

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\  
 Data File : VX004857.D  
 Acq On : 29 Sep 2018 08:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2018 1:31:31 PM

Quant Time: Oct 01 01:34:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 242225   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 350631   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 330857   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 204646   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 174973   | 50.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.14% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 141495   | 47.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.24%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 519267   | 52.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.12% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 193542   | 54.38 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.76% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 195532  | 59.204  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 211013  | 52.662  | ug/l | 94     |
| 4) Vinyl Chloride             | 1.41 | 62  | 205415  | 54.659  | ug/l | 96     |
| 5) Bromomethane               | 1.64 | 94  | 103551  | 46.466  | ug/l | 99     |
| 6) Chloroethane               | 1.71 | 64  | 121111  | 59.580  | ug/l | 91     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 265832  | 57.137  | ug/l | 98     |
| 8) Diethyl Ether              | 2.19 | 74  | 102989  | 50.955  | ug/l | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 145859  | 55.037  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 141419  | 39.877  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 251050  | 259.483 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 134768  | 51.348  | ug/l | 97     |
| 13) Acrolein                  | 2.29 | 56  | 114342  | 166.105 | ug/l | 94     |
| 14) Allyl chloride            | 2.73 | 41  | 289134  | 50.490  | ug/l | 96     |
| 15) Acrylonitrile             | 3.15 | 53  | 544759  | 255.775 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 490383  | 242.749 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 404071  | 51.235  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 280080  | 54.722  | ug/l | 93     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 501466  | 55.392  | ug/l | 97     |
| 20) Methylene Chloride        | 2.85 | 84  | 166145  | 56.678  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 148621  | 51.729  | ug/l | 95     |
| 22) Diisopropyl ether         | 3.87 | 45  | 527124  | 54.663  | ug/l | 94     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2401582 | 272.074 | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 285095  | 49.562  | ug/l | 98     |
| 25) 2-Butanone                | 4.70 | 43  | 774232  | 260.008 | ug/l | 94     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 134606  | 33.604  | ug/l | 95     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 170941  | 53.259  | ug/l | 98     |
| 28) Bromochloromethane        | 5.02 | 49  | 140229  | 51.768  | ug/l | 88     |
| 29) Tetrahydrofuran           | 5.16 | 42  | 492169  | 265.928 | ug/l | 93     |
| 30) Chloroform                | 5.21 | 83  | 268738  | 49.433  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 247501  | 56.217  | ug/l | 90     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 233065  | 52.494  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 206064  | 50.824  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.86 | 43  | 275160  | 51.127  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 206388  | 48.426  | ug/l | 86     |

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 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2018 1:31:31 PM

Quant Time: Oct 01 01:34:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 227951   | 55.060   | ug/l  | 95       |
| 40) Benzene                    | 6.14  | 78   | 617330   | 48.635   | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 152079   | 50.954   | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 222287   | 49.538   | ug/l  | 96       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 400552   | 51.565   | ug/l  | 95       |
| 44) Trichloroethene            | 7.21  | 130  | 155952   | 49.979   | ug/l  | 96       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 160879   | 51.684   | ug/l  | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 101863   | 52.071   | ug/l  | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 198351   | 54.156   | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 203265   | 57.652   | ug/l  | 93       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 89881    | 1026.122 | ug/l  | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1358486  | 277.751  | ug/l  | 95       |
| 52) Toluene                    | 8.79  | 92   | 369848   | 53.027   | ug/l  | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 207687   | 50.179   | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 226298   | 52.200   | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 152429   | 49.893   | ug/l  | 97       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 241124   | 48.715   | ug/l  | 93       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 258053   | 50.750   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 665088   | 252.500  | ug/l  | 93       |
| 59) 2-Hexanone                 | 9.50  | 43   | 1073939  | 263.493  | ug/l  | 93       |
| 60) Dibromochloromethane       | 9.59  | 129  | 157332   | 51.493   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 158202   | 48.352   | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 156895   | 48.181   | ug/l  | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 413184   | 48.701   | ug/l  | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 149942   | 50.271   | ug/l  | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 703792   | 52.250   | ug/l  | 97       |
| 68) m/p-Xylenes                | 10.36 | 106  | 547285   | 103.977  | ug/l  | 94       |
| 69) o-Xylene                   | 10.70 | 106  | 266215   | 55.065   | ug/l  | 97       |
| 70) Styrene                    | 10.71 | 104  | 450574   | 49.838   | ug/l  | 97       |
| 71) Bromoform                  | 10.86 | 173  | 129684   | 50.786   | ug/l  | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 708488   | 54.925   | ug/l  | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 349411   | 49.308   | ug/l  | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 253450   | 48.269   | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 232626m  | 50.716   | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 189299   | 50.525   | ug/l  | 96       |
| 78) n-propylbenzene            | 11.36 | 91   | 818354   | 55.293   | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 488965   | 53.003   | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 605020   | 51.180   | ug/l  | 96       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 63684    | 38.349   | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 580002   | 53.414   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 591049   | 55.653   | ug/l  | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 623671   | 51.158   | ug/l  | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 711635   | 55.013   | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 639470   | 54.563   | ug/l  | 98       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 352085   | 50.326   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 354445   | 49.079   | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 571104   | 53.655   | ug/l  | 97       |
| 90) Hexachloroethane           | 12.60 | 117  | 100698   | 51.605   | ug/l  | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 356481   | 48.758   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 58066    | 50.365   | ug/l  | 95       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

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Quant Time: Oct 01 01:34:48 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 26 14:17:02 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 264358   | 51.545 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 124244   | 46.717 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 845782   | 49.691 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 270587   | 51.073 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

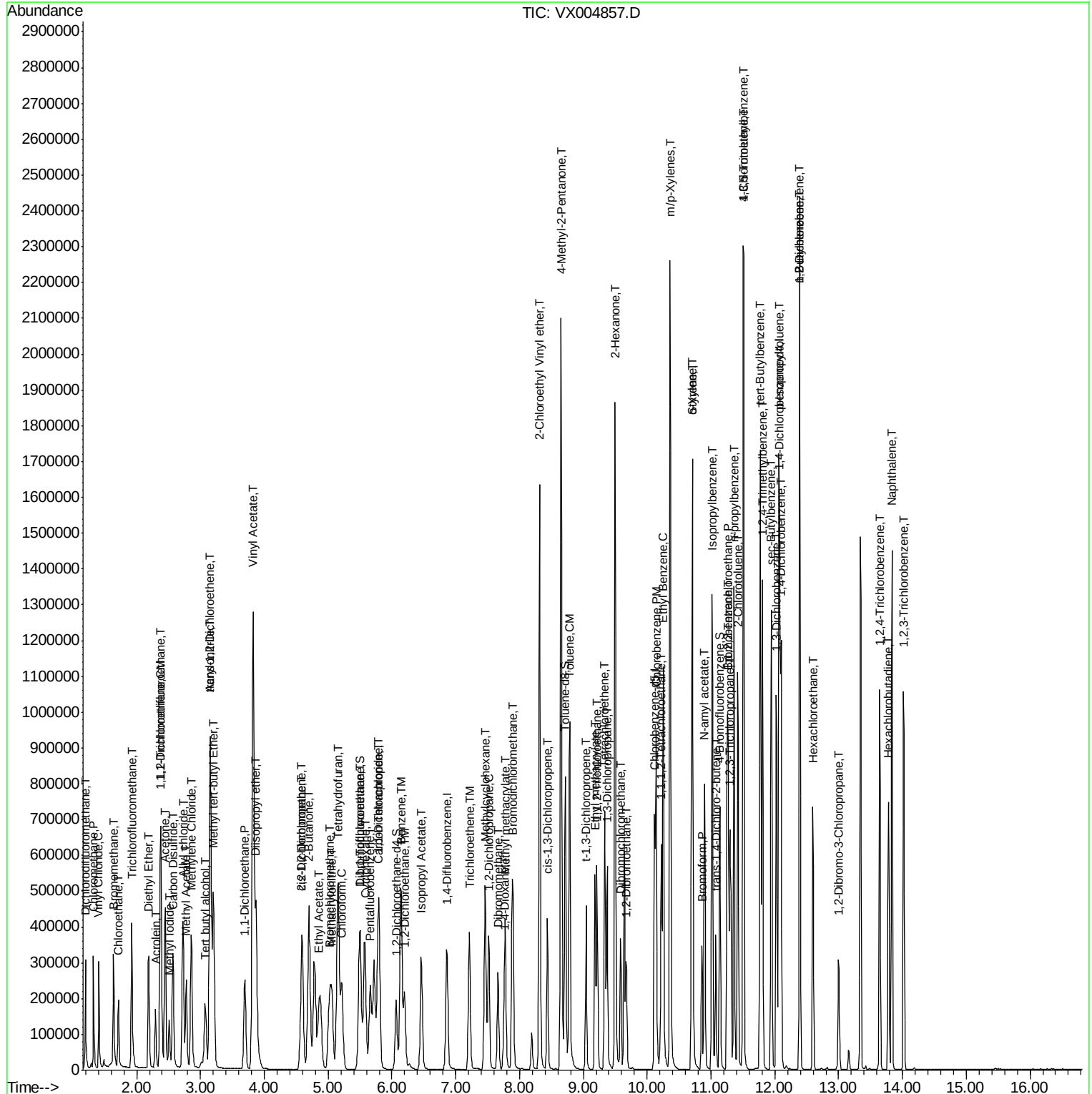
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Data File : VX004857.D  
Acq On : 29 Sep 2018 08:05  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 49 Sample Multiplier: 1

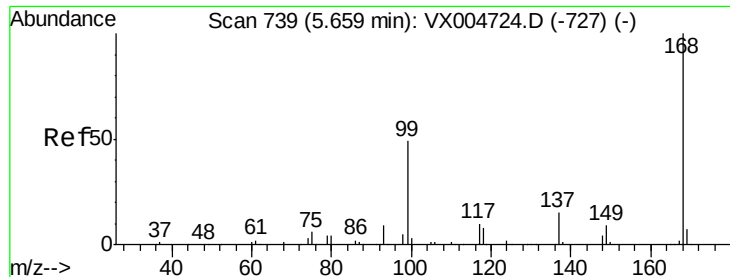
Instrument :  
MSVOA\_X  
ClientSampleID :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
10/1/2018 1:31:31 PM

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 242225

Ion Ratio Lower Upper

168 100

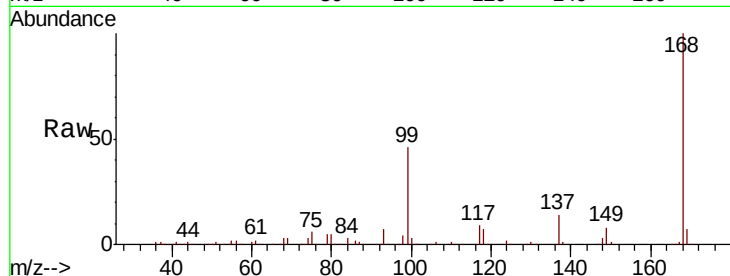
99 45.7 39.9 59.9

Manual Integrations

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10/1/2018 1:31:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

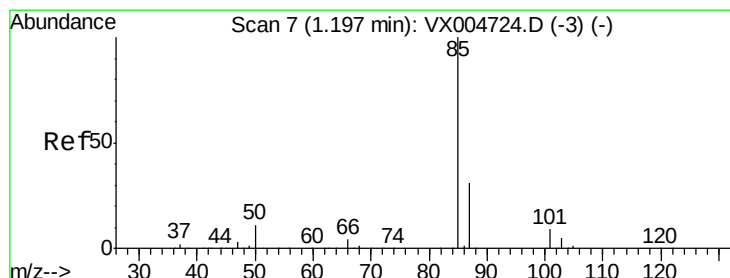
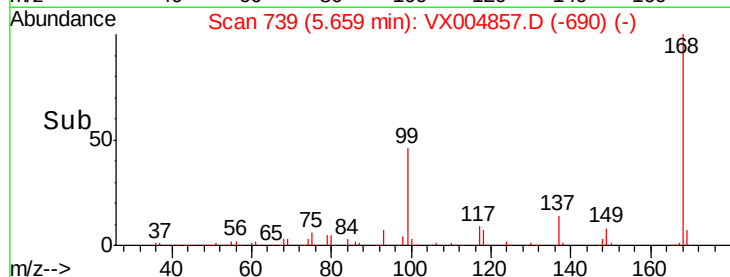
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 59.204 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004857.D

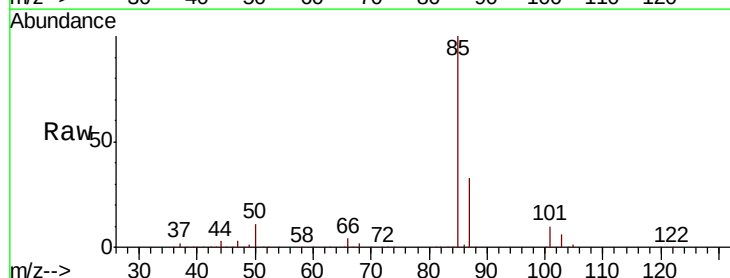
Acq: 29 Sep 2018 08:05

Tgt Ion: 85 Resp: 195532

Ion Ratio Lower Upper

85 100

87 33.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

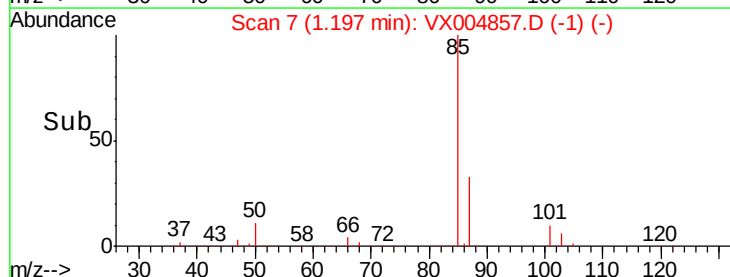
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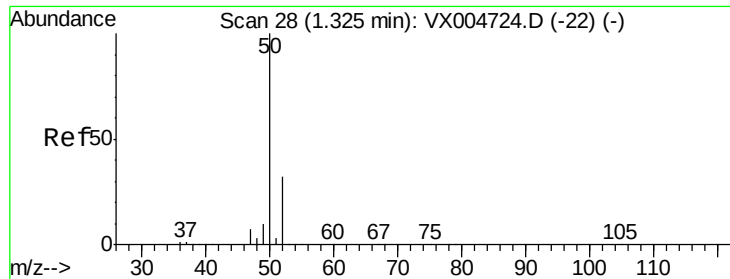
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0

1.20 1.30

Time-->





#3

Chloromethane

Concen: 52.662 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 211013

Ion Ratio Lower Upper

50 100

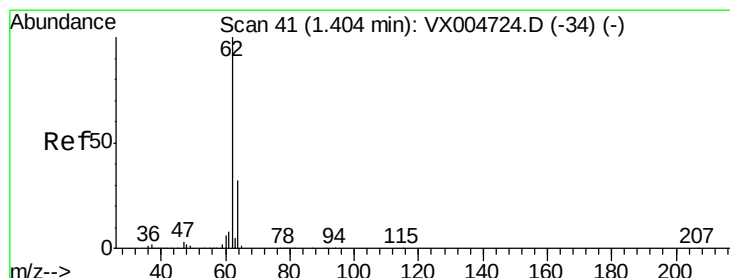
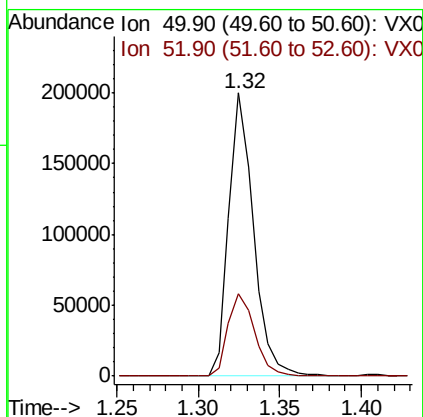
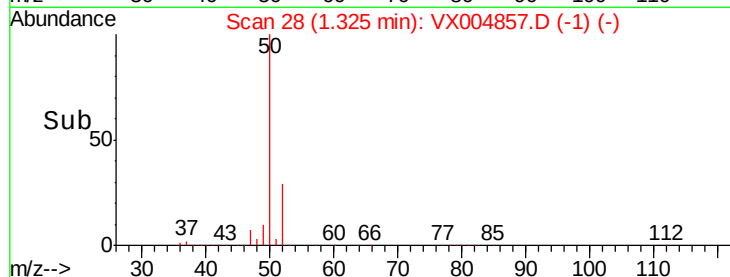
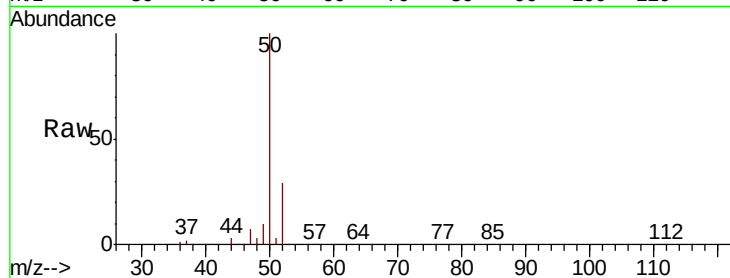
52 29.1 26.2 39.2

Manual Integrations

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10/1/2018 1:31:31 PM



#4

Vinyl Chloride

Concen: 54.659 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX004857.D

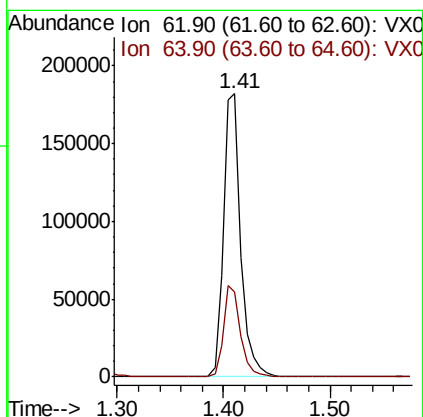
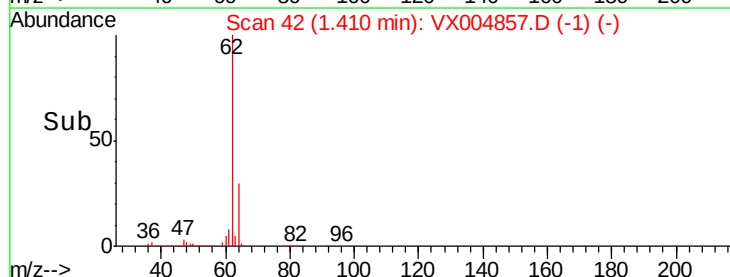
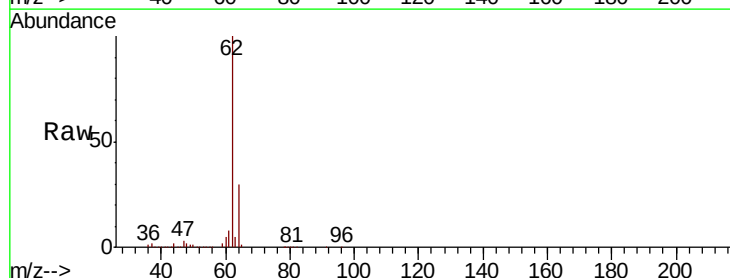
Acq: 29 Sep 2018 08:05

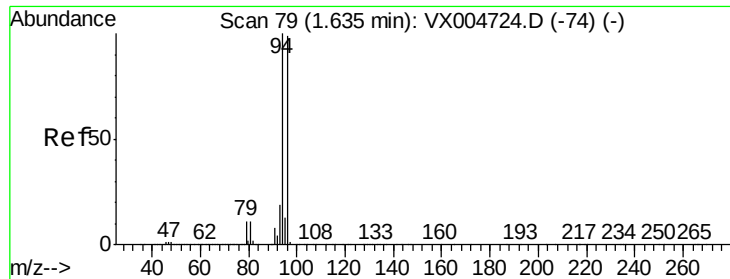
Tgt Ion: 62 Resp: 205415

Ion Ratio Lower Upper

62 100

64 29.8 25.8 38.8





#5

Bromomethane

Concen: 46.466 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 103551

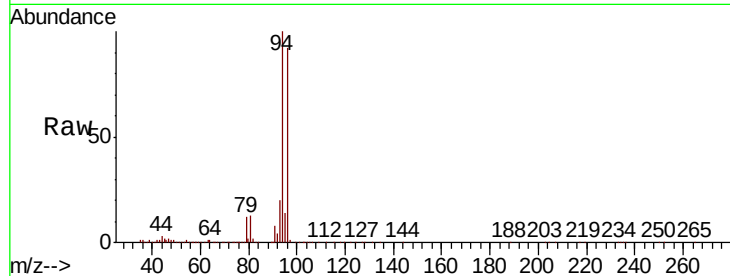
Ion Ratio Lower Upper

94 100

96 92.0 74.5 111.7

Manual Integrations  
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10/1/2018 1:31:31 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

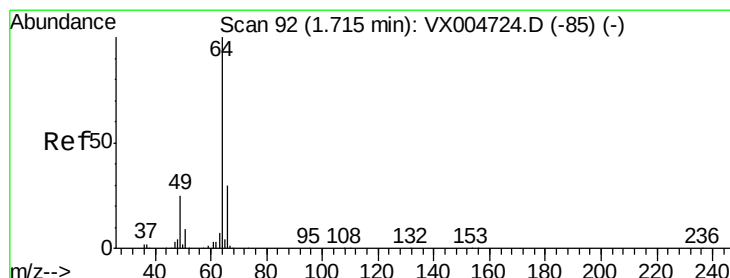
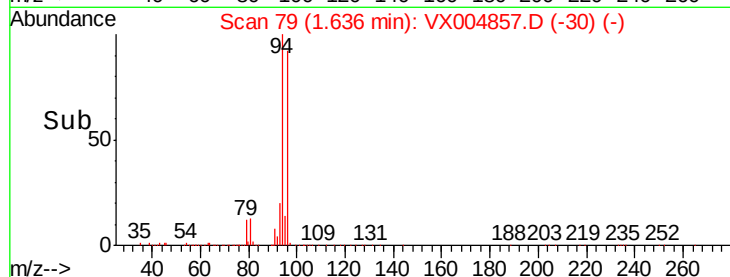
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 59.580 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004857.D

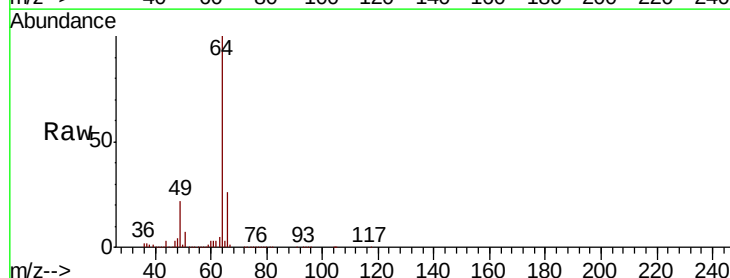
Acq: 29 Sep 2018 08:05

Tgt Ion: 64 Resp: 121111

Ion Ratio Lower Upper

64 100

66 25.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

120000

100000

80000

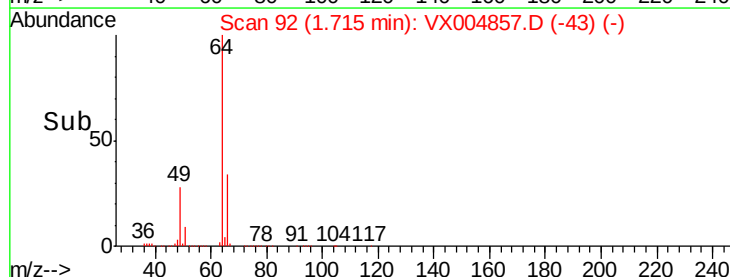
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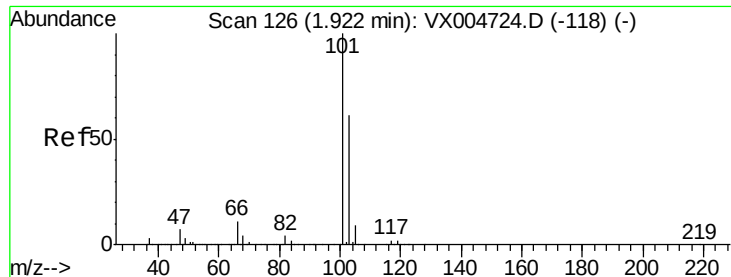
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0

Time-->







#7

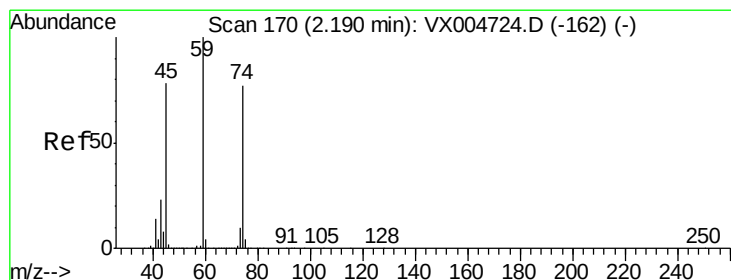
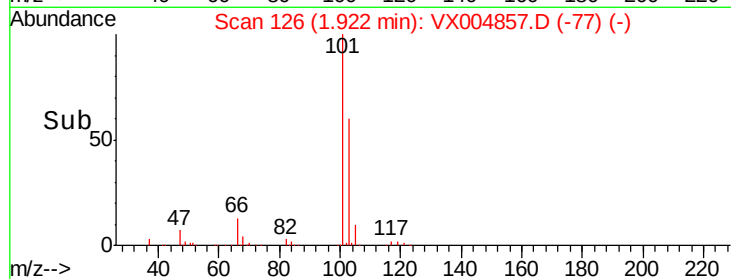
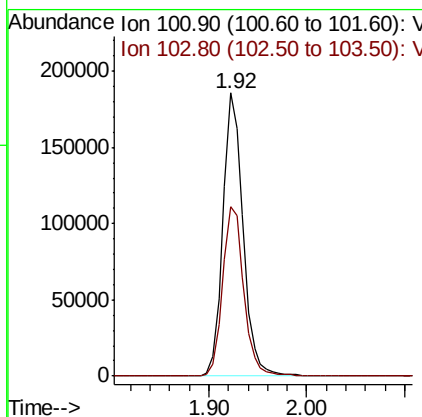
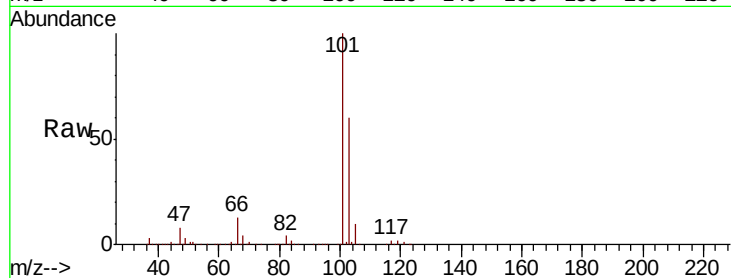
Trichlorofluoromethane  
Concen: 57.137 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 59.7  | 48.9  | 73.3  |

Manual Integrations  
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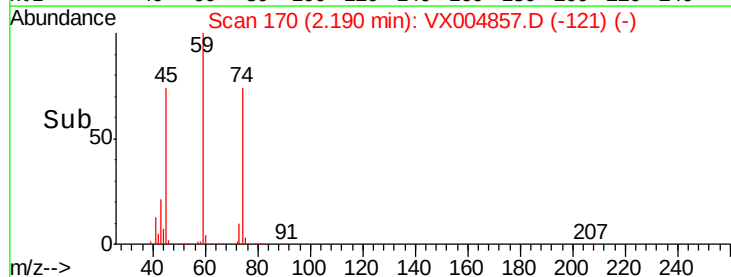
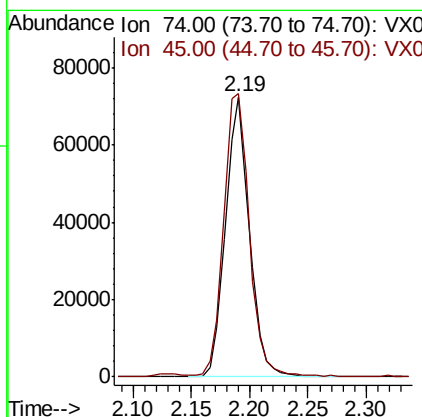
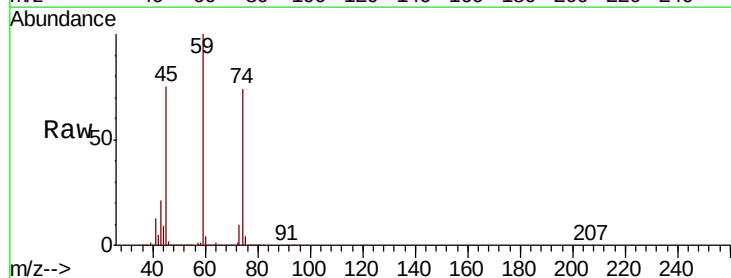
MMDadoda  
10/1/2018 1:31:31 PM



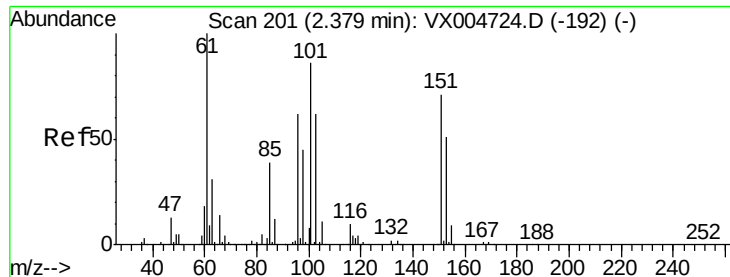
#8

Diethyl Ether  
Concen: 50.955 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 107.5 | 48.3  | 144.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.037 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

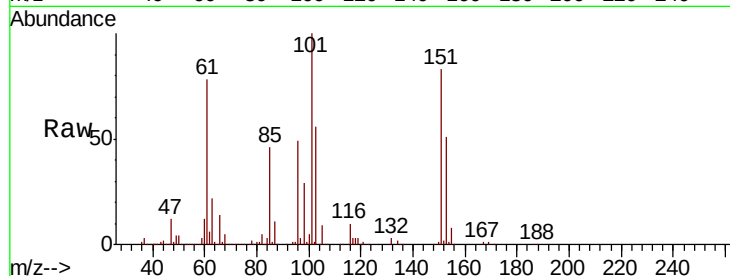
ClientSampleId :

VSTDCCC050EC

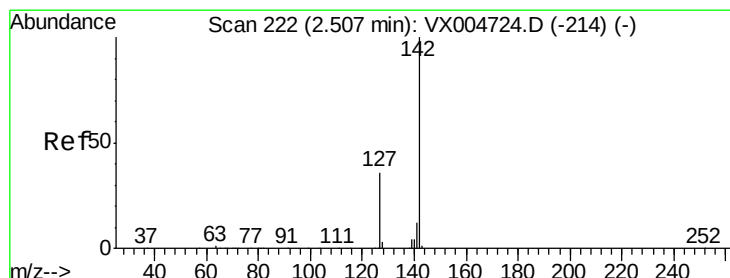
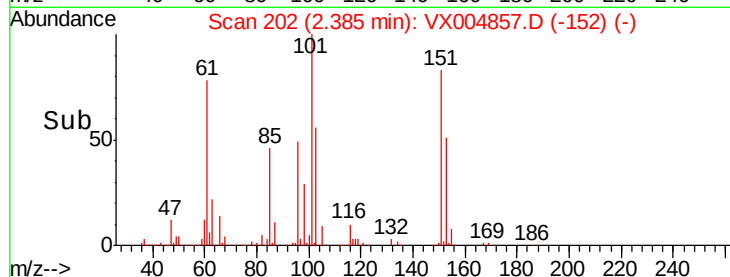
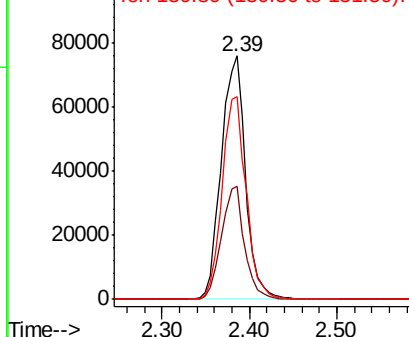
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 145859 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.1  | 34.2  | 51.4   |
| 151       | 82.3  | 65.0  | 97.6   |

Manual Integrations  
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MMDadoda  
10/1/2018 1:31:31 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.877 ug/l

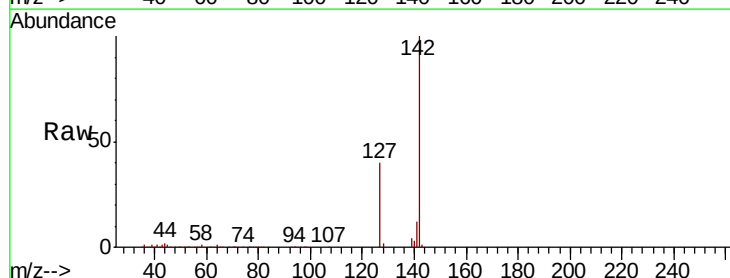
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

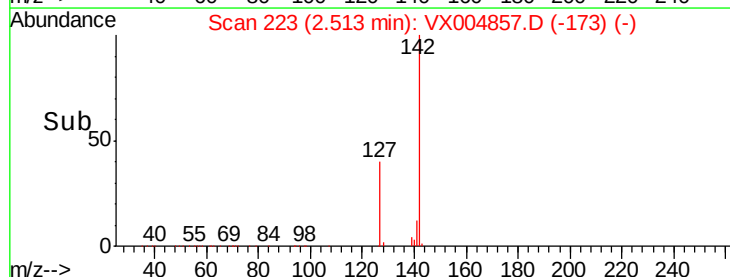
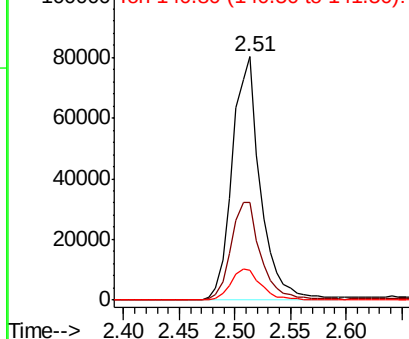
Lab File: VX004857.D

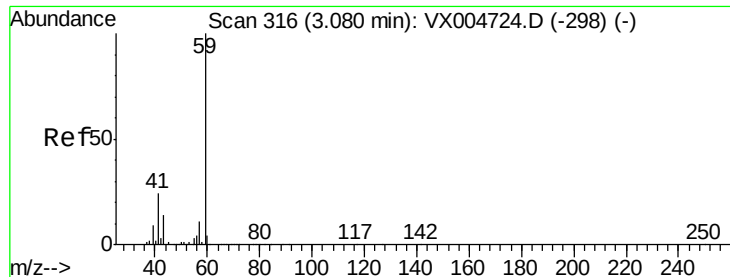
Acq: 29 Sep 2018 08:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 141419 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.6  | 33.8  | 50.6   |
| 141       | 14.0  | 11.4  | 17.0   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

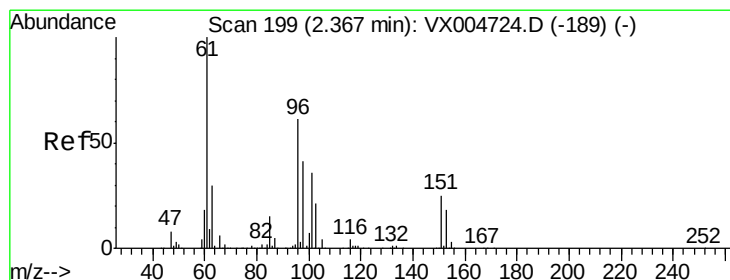
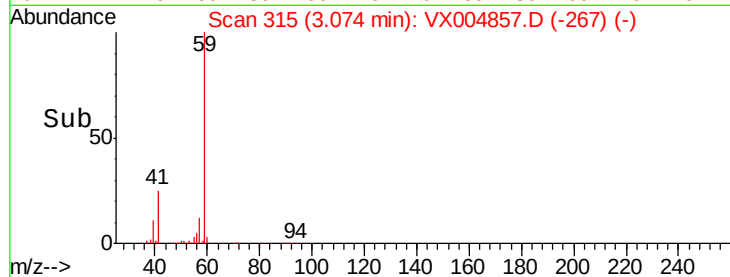
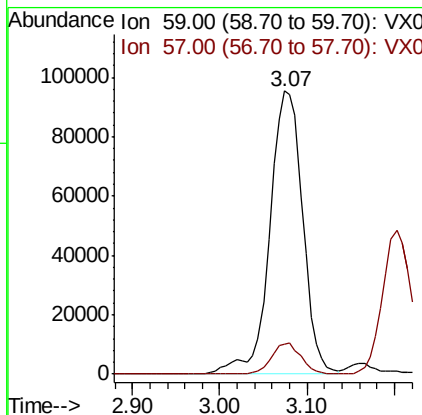
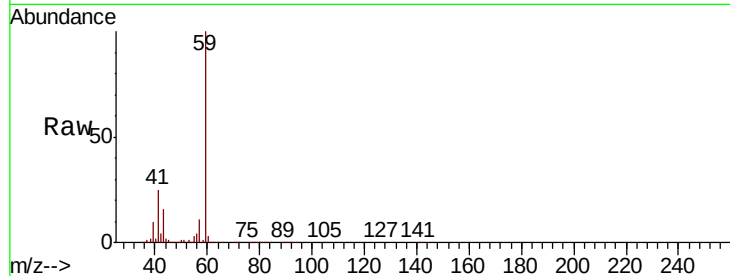
Tert butyl alcohol  
 Concen: 259.483 ug/l  
 RT: 3.07 min Scan# 315  
 Delta R.T. -0.01 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.2   | 12.4  |

Manual Integrations  
 APPROVED

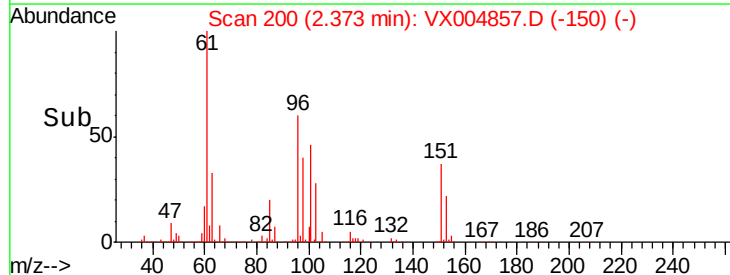
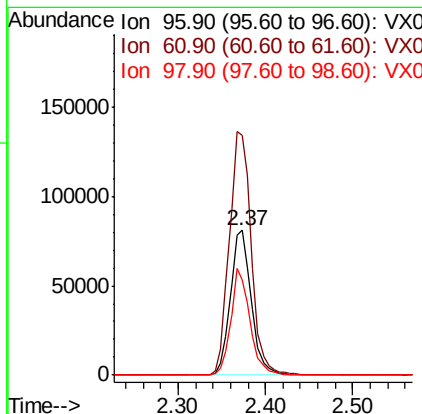
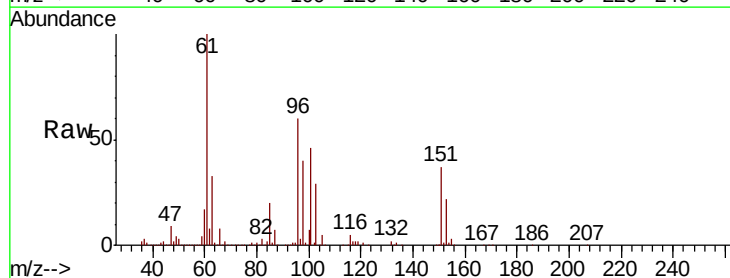
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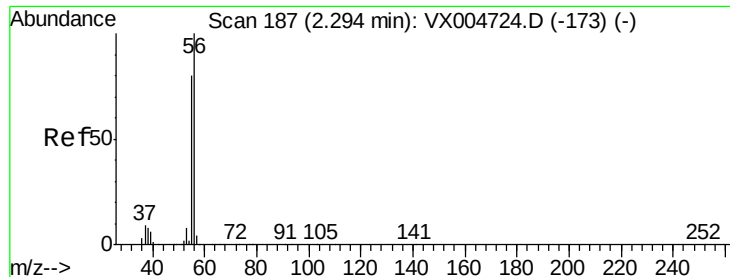


#12

1,1-Dichloroethene  
 Concen: 51.348 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. 0.01 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.0 | 128.8 | 193.2 |
| 98      | 65.8  | 52.2  | 78.2  |





#13

Acrolein

Concen: 166.105 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 114342

Ion Ratio Lower Upper

56 100

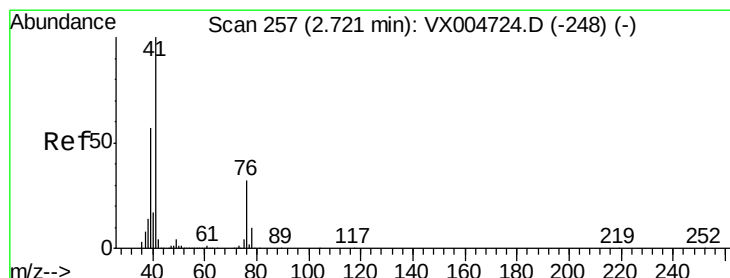
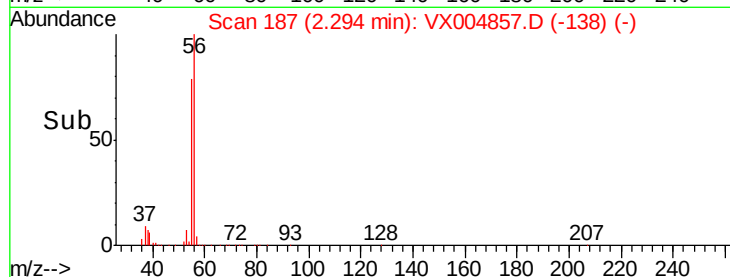
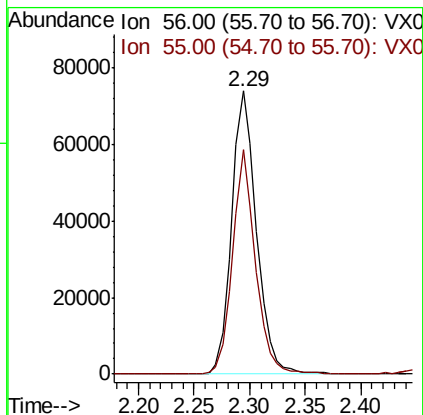
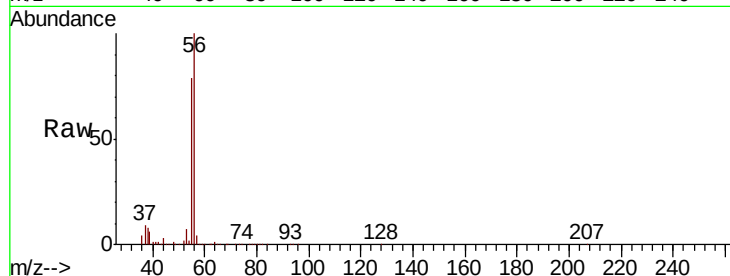
55 72.9 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.490 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

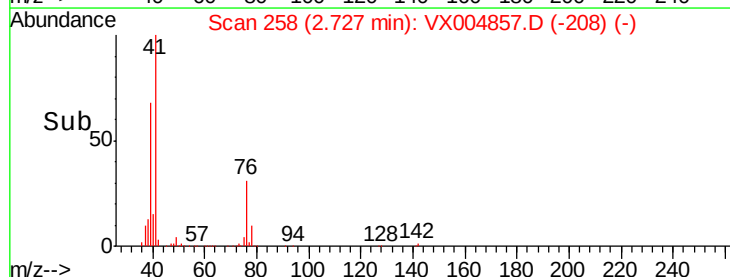
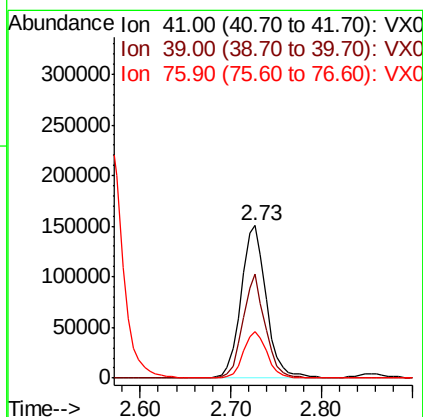
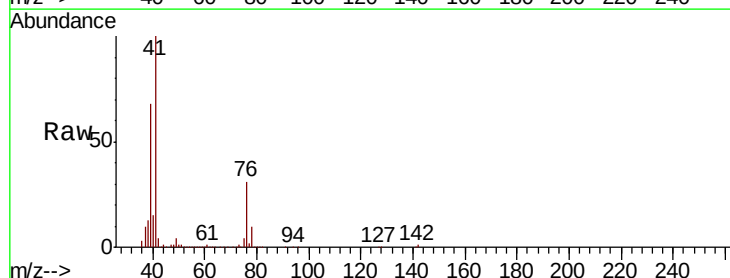
Tgt Ion: 41 Resp: 289134

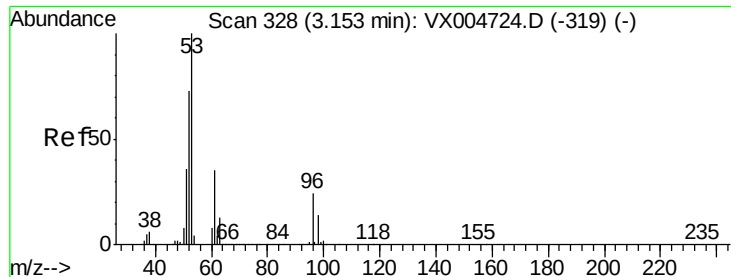
Ion Ratio Lower Upper

41 100

39 60.3 48.9 73.3

76 28.4 26.7 40.1





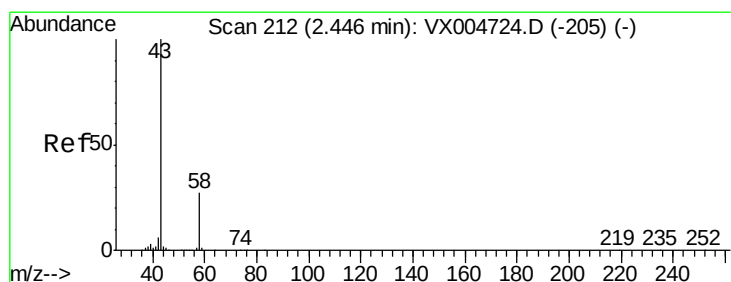
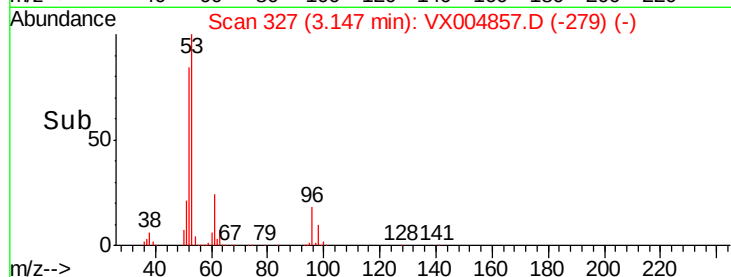
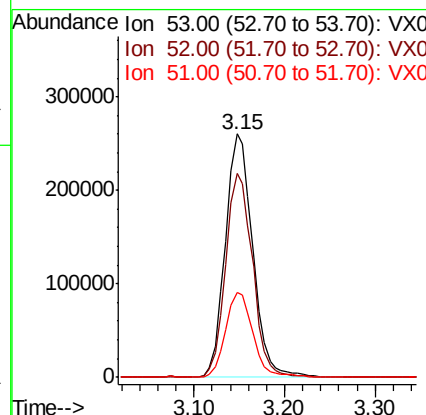
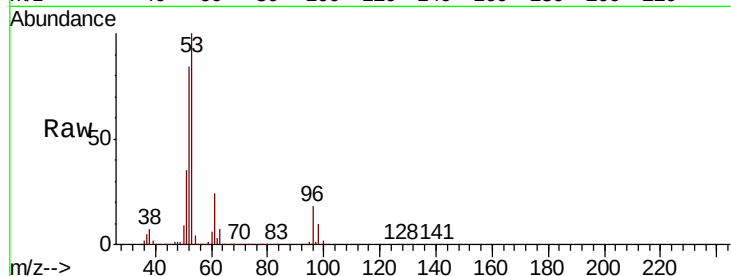
#15  
 Acrylonitrile  
 Concen: 255.775 ug/l  
 RT: 3.15 min Scan# 327  
 Delta R.T. -0.01 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 544759 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.5  | 65.2  | 97.8   |
| 51       | 35.0  | 28.2  | 42.2   |

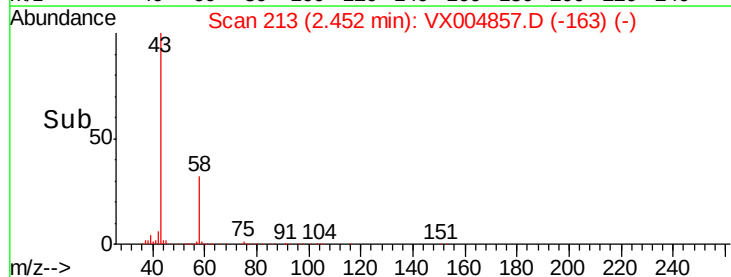
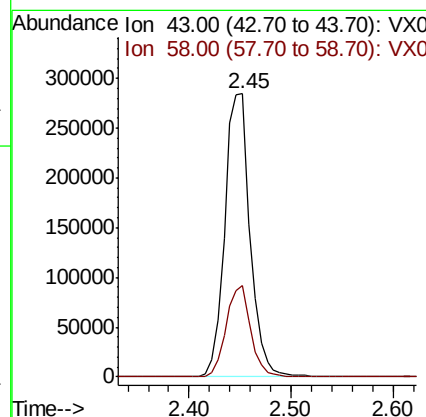
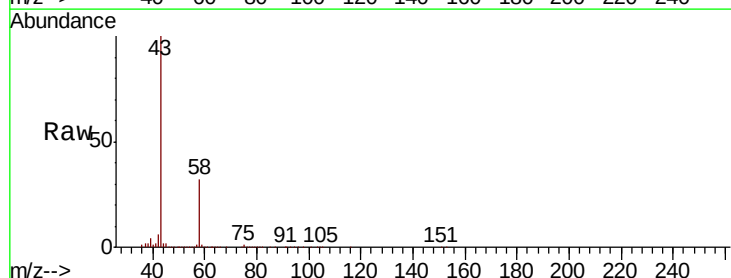
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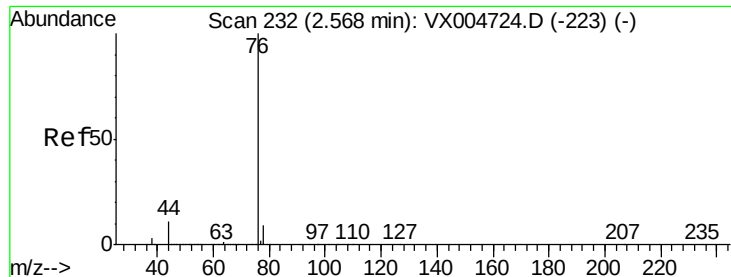
MMDadoda  
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#16  
 Acetone  
 Concen: 242.749 ug/l  
 RT: 2.45 min Scan# 213  
 Delta R.T. 0.01 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 490383 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.2  | 26.2  | 39.4   |





#17

Carbon Disulfide

Concen: 51.235 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 404071

Ion Ratio Lower Upper

76 100

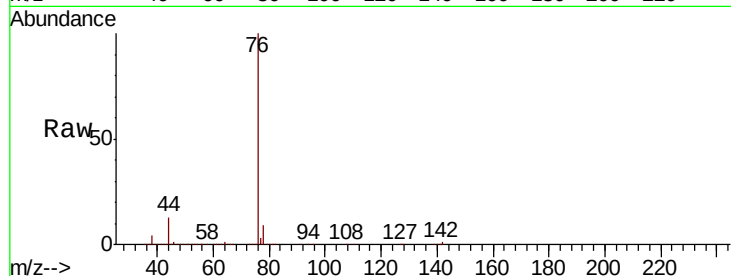
78 8.7 7.0 10.6

Manual Integrations

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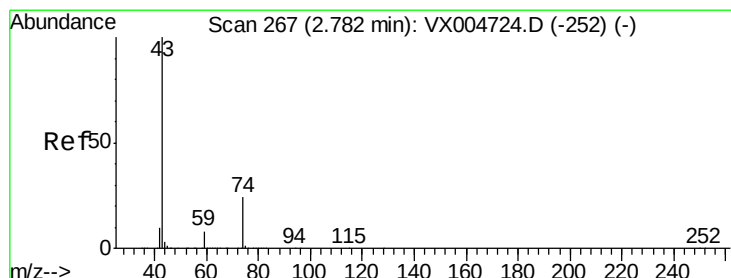
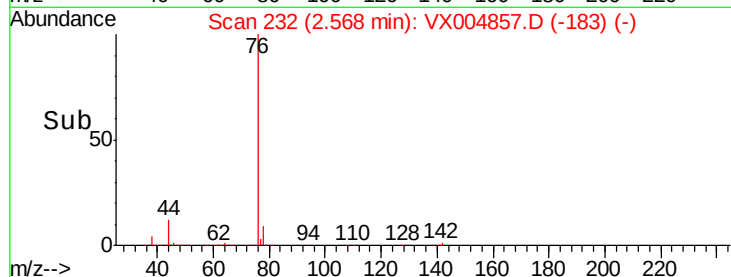
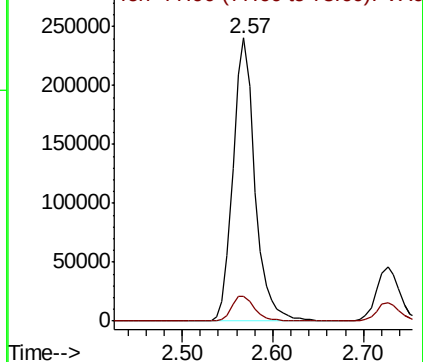
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 54.722 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX004857.D

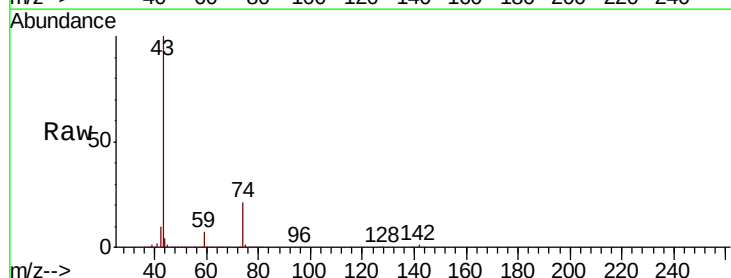
Acq: 29 Sep 2018 08:05

Tgt Ion: 43 Resp: 280080

Ion Ratio Lower Upper

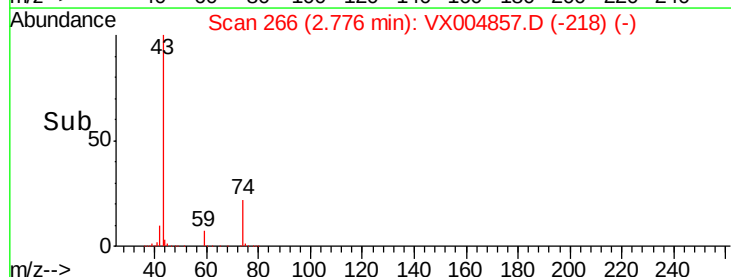
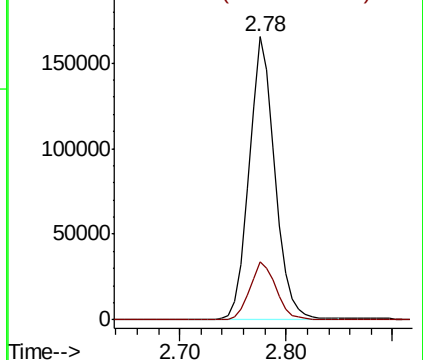
43 100

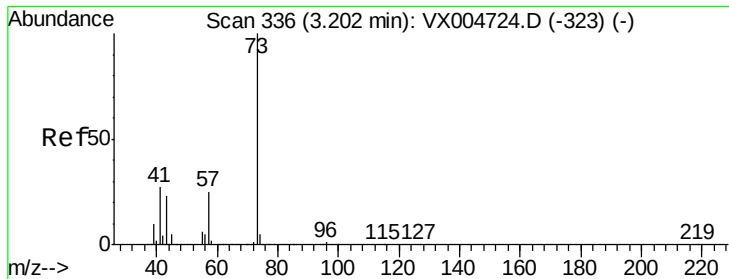
74 20.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





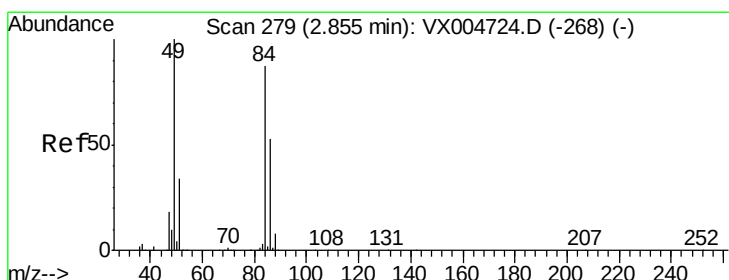
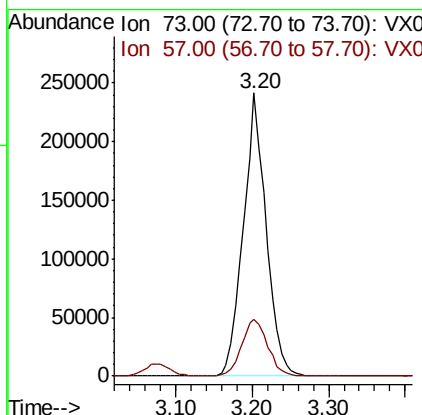
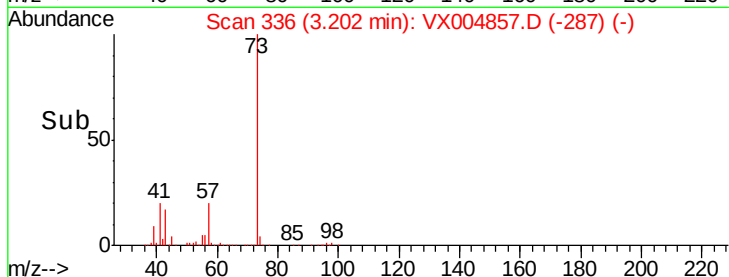
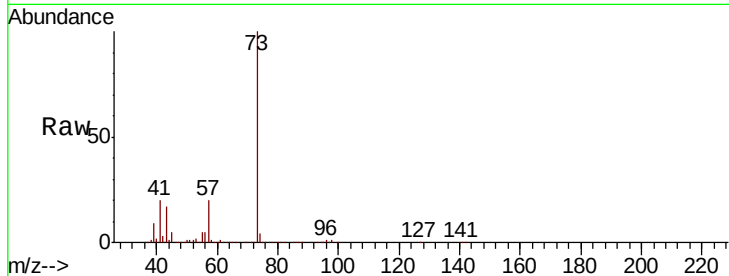
#19  
Methyl tert-butyl Ether  
Concen: 55.392 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.0  | 17.1  | 25.7  |

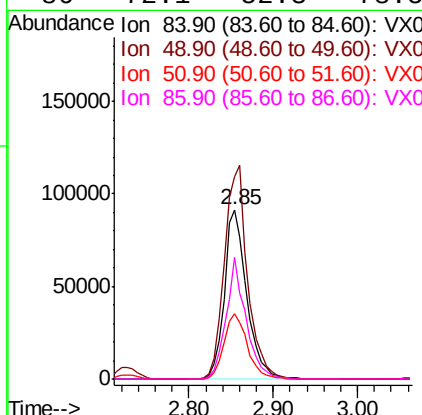
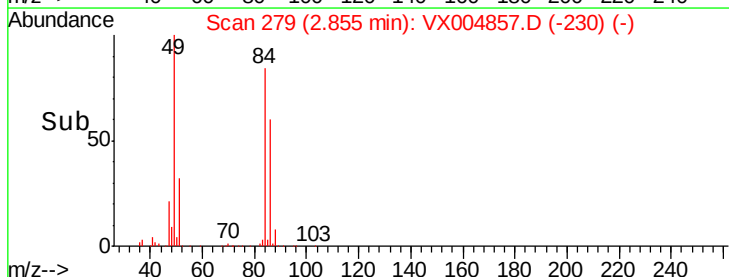
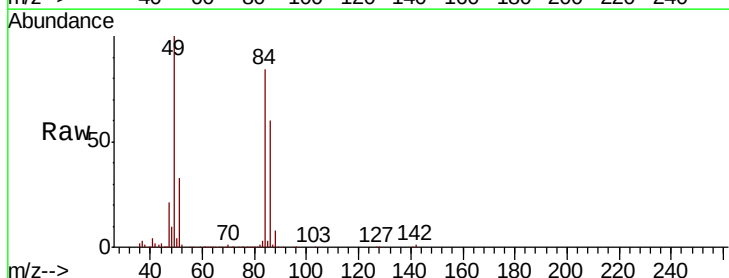
Manual Integrations  
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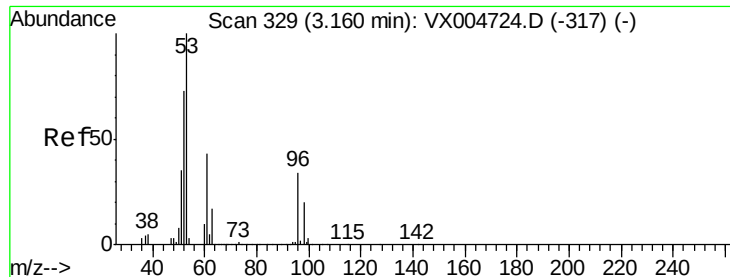
MMDadoda  
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#20  
Methylene Chloride  
Concen: 56.678 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 119.4 | 101.2 | 151.8 |
| 51      | 38.8  | 29.5  | 44.3  |
| 86      | 72.1  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 51.729 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

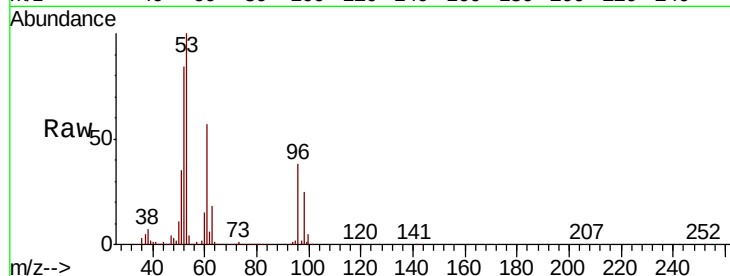
ClientSampleId :

VSTDCCC050EC

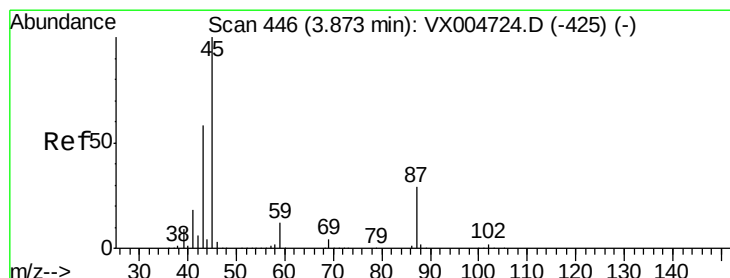
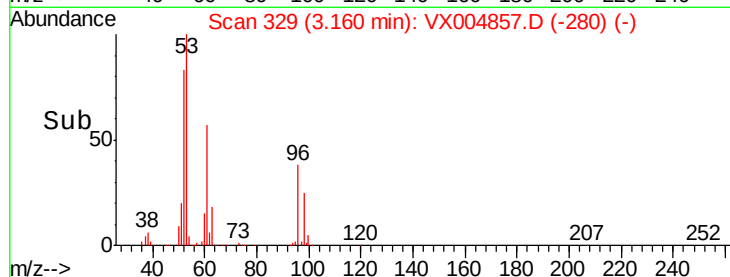
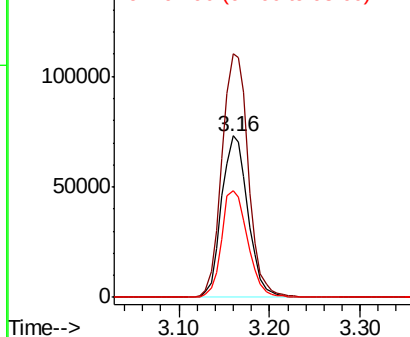
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 148621 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 150.7 | 113.8 | 170.6  |
| 98       | 66.0  | 51.8  | 77.8   |

Manual Integrations  
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MMDadoda  
10/1/2018 1:31:31 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.663 ug/l

RT: 3.87 min Scan# 446

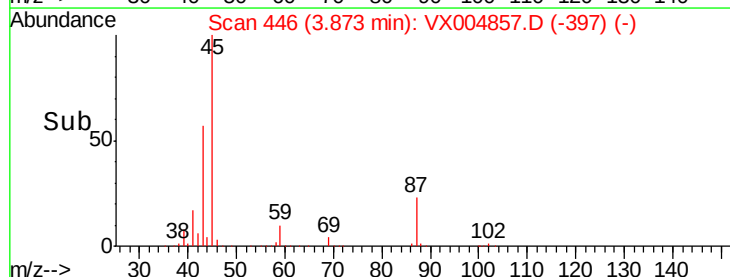
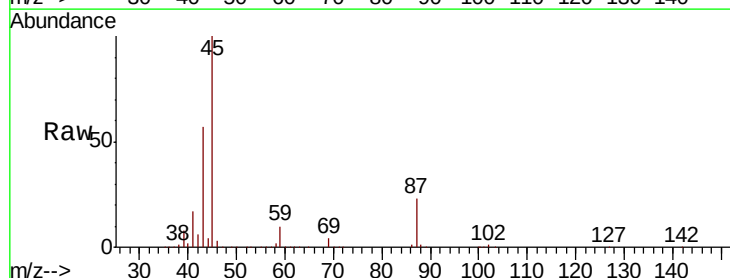
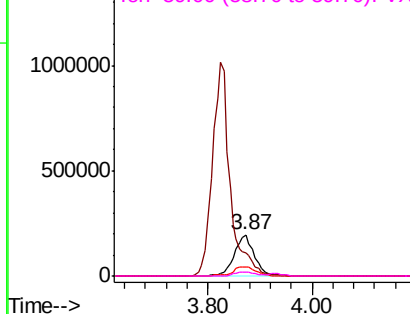
Delta R.T. 0.00 min

Lab File: VX004857.D

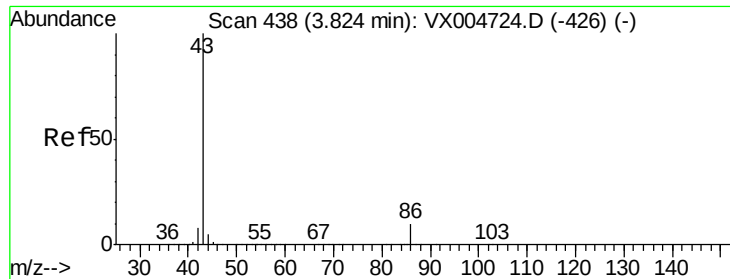
Acq: 29 Sep 2018 08:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 527124 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.5  | 42.8  | 64.2   |
| 87       | 23.2  | 22.6  | 34.0   |
| 59       | 10.0  | 9.6   | 14.4   |

Abundance Ion 45.00 (44.70 to 45.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0  
Ion 59.00 (58.70 to 59.70): VX0







#23

Vinyl Acetate

Concen: 272.074 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2401582

Ion Ratio Lower Upper

43 100

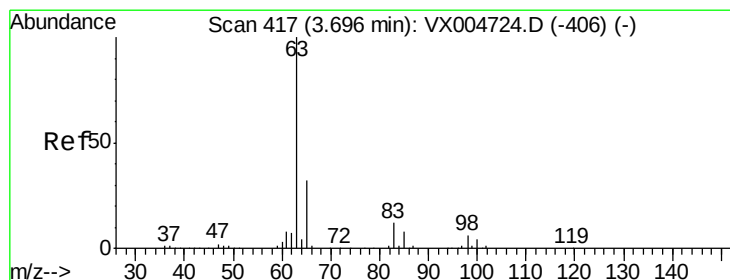
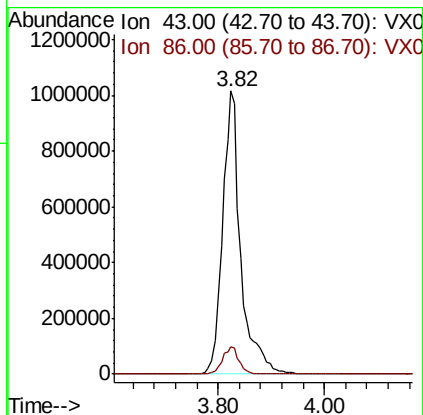
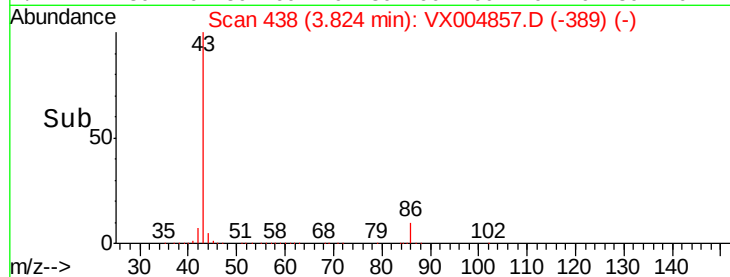
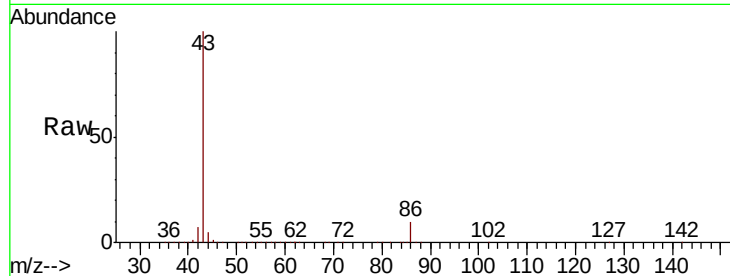
86 9.9 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.562 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

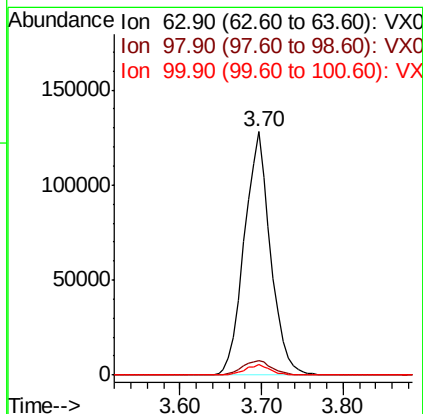
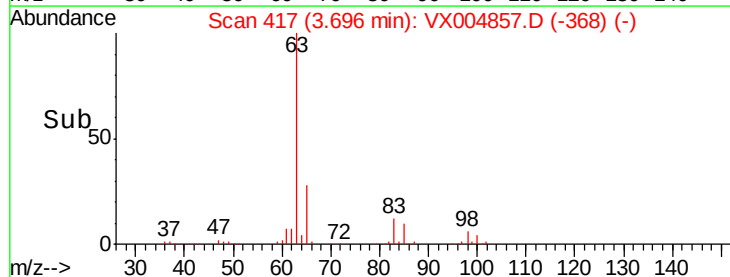
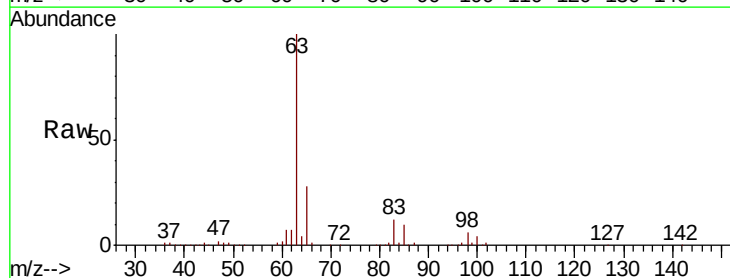
Tgt Ion: 63 Resp: 285095

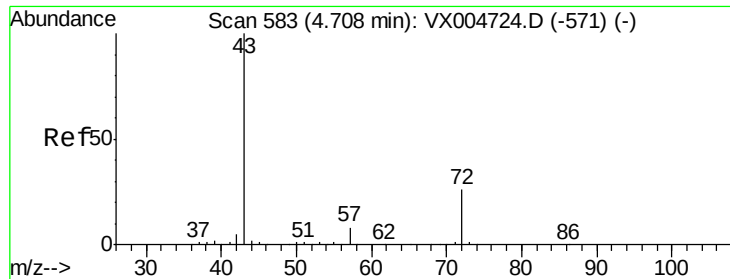
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 260.008 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 774232

Ion Ratio Lower Upper

43 100

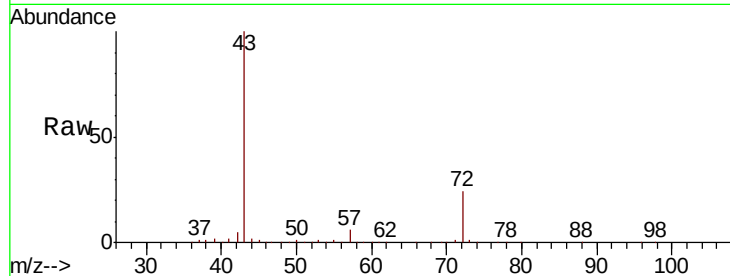
72 24.2 22.0 33.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

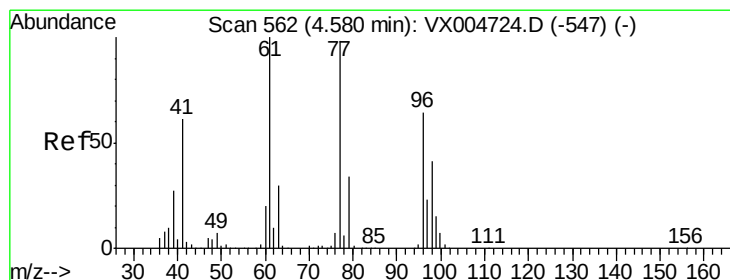
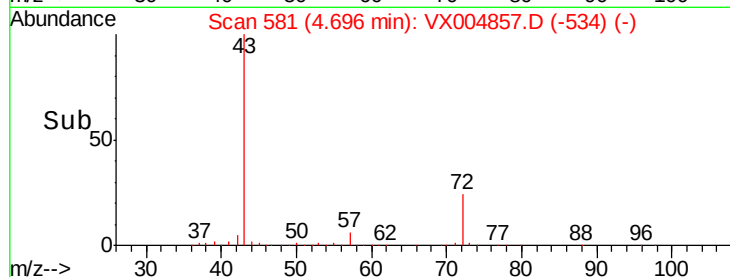
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 33.604 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004857.D

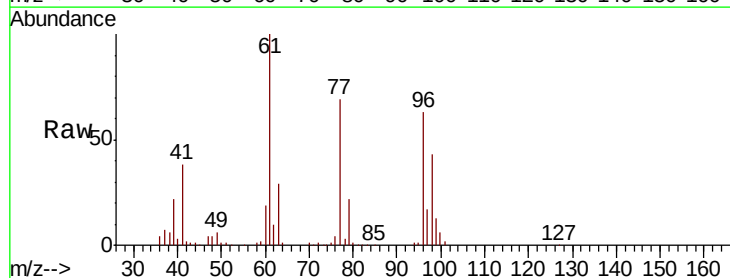
Acq: 29 Sep 2018 08:05

Tgt Ion: 77 Resp: 134606

Ion Ratio Lower Upper

77 100

97 25.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

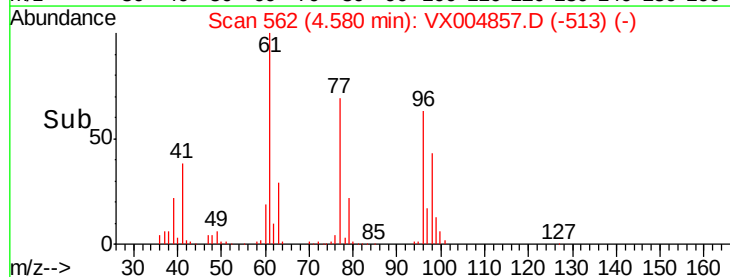
20000

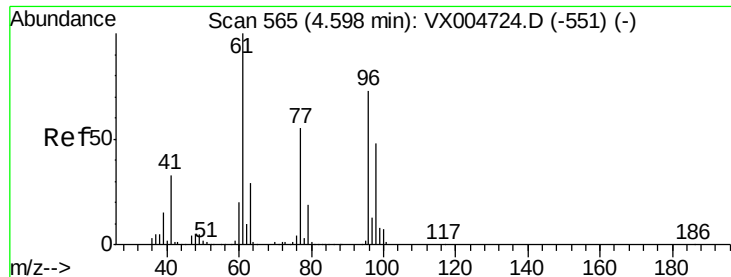
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

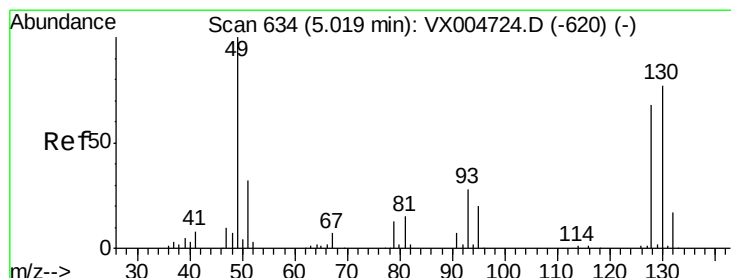
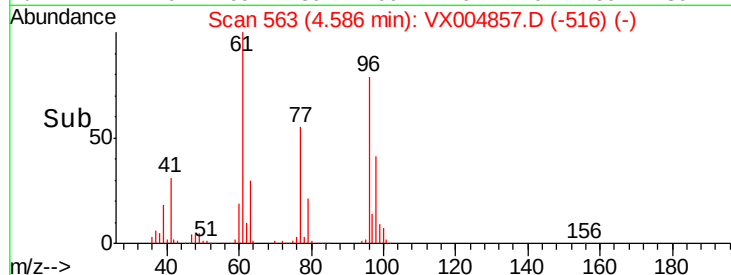
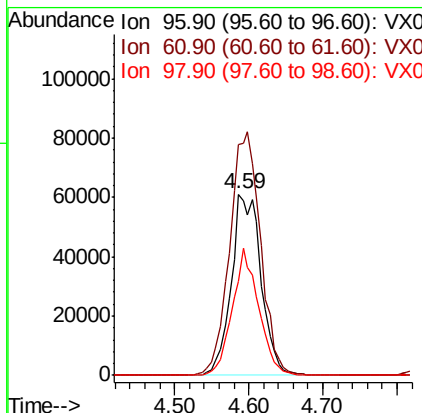
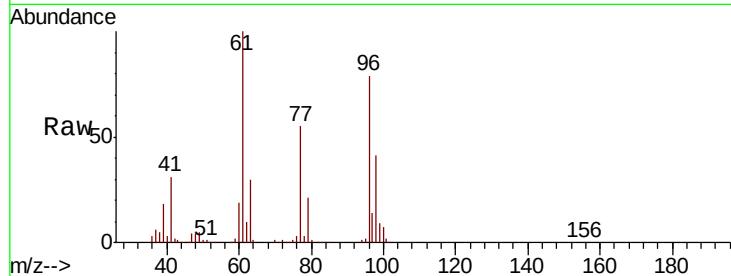
cis-1,2-Dichloroethene  
Concen: 53.259 ug/l  
RT: 4.59 min Scan# 563  
Delta R.T. -0.01 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 170941 |       |       |
| 61      | 139.2 | 0.0    | 282.6 |       |
| 98      | 62.3  | 0.0    | 130.2 |       |

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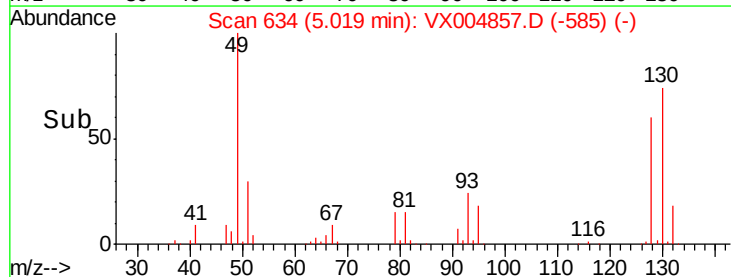
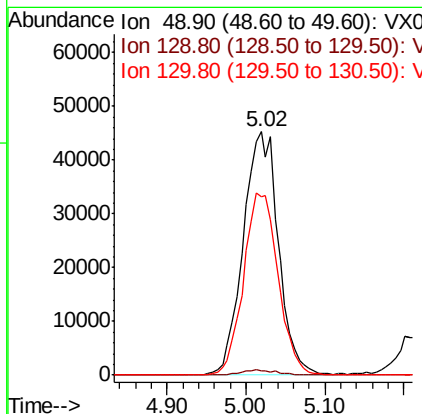
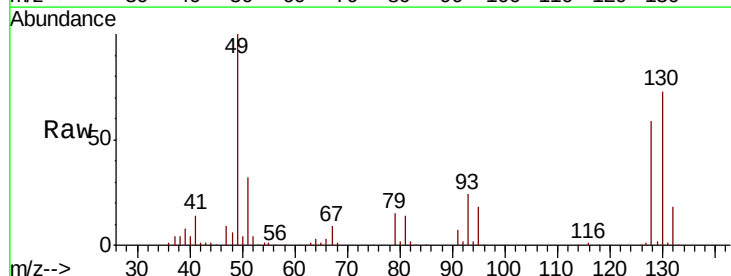
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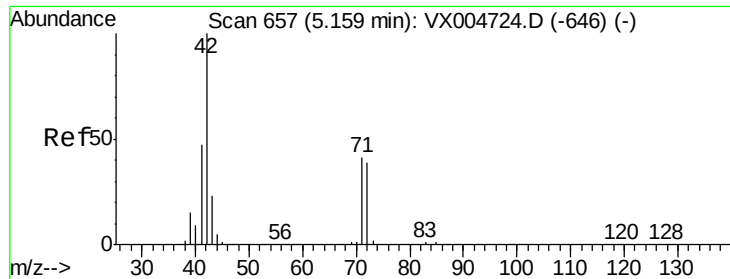


#28

Bromochloromethane  
Concen: 51.768 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 140229 |       |       |
| 129     | 2.0   | 0.0    | 4.2   |       |
| 130     | 73.5  | 67.5   | 101.3 |       |





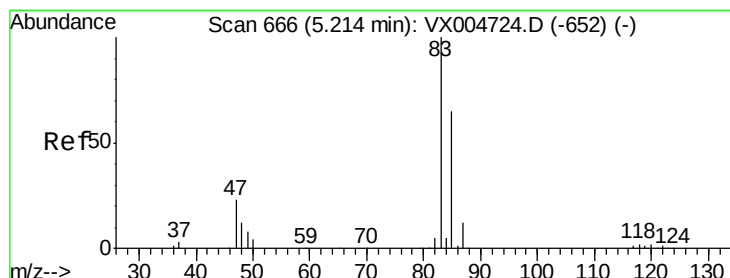
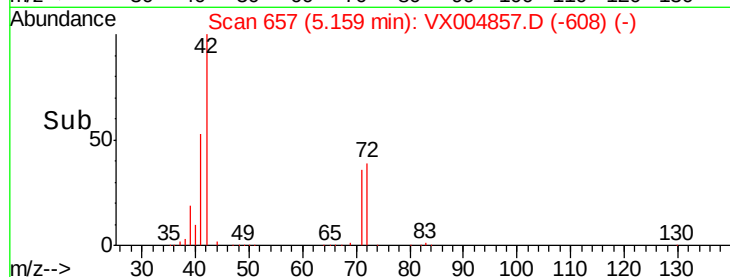
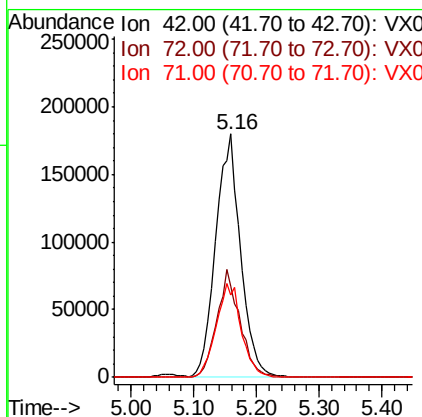
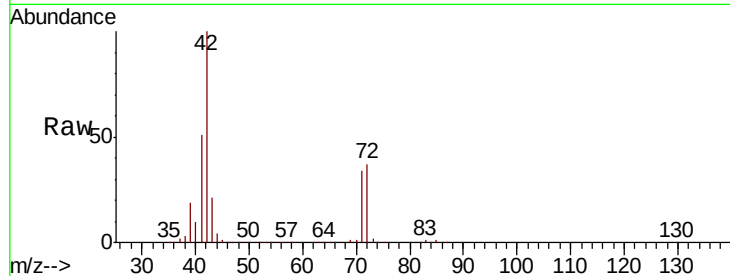
#29  
Tetrahydrofuran  
Concen: 265.928 ug/l  
RT: 5.16 min Scan# 657  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.4  | 37.4  | 56.0  |
| 71      | 38.9  | 34.5  | 51.7  |

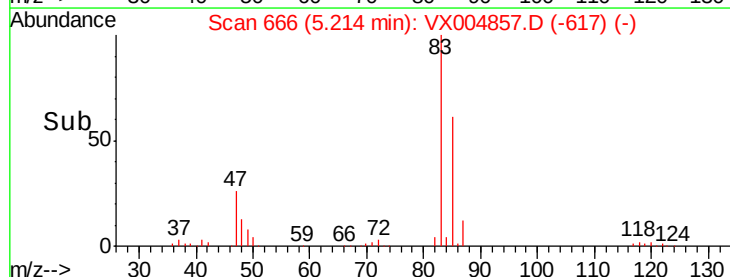
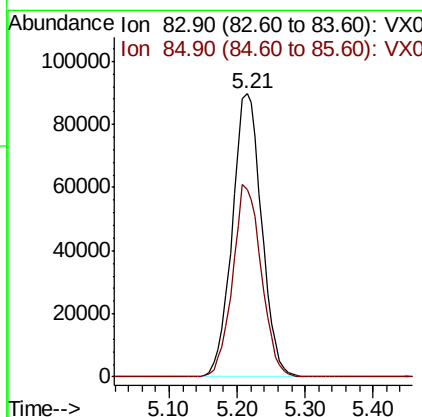
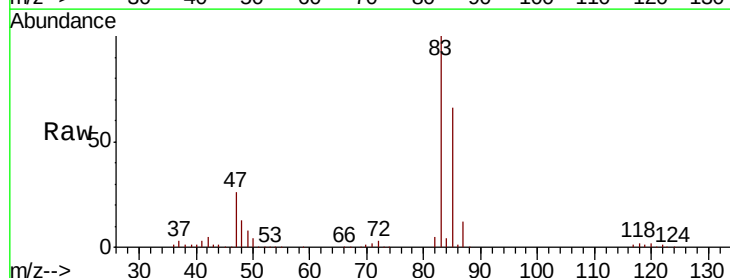
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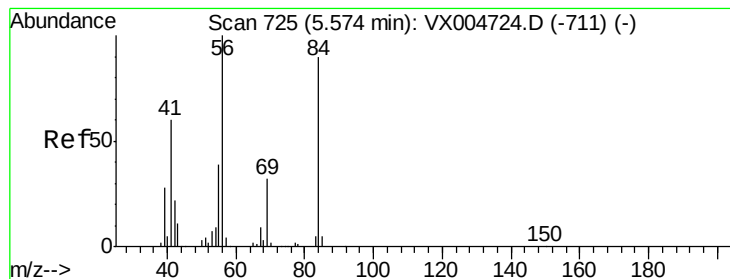
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#30  
Chloroform  
Concen: 49.433 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.4  | 52.6  | 79.0  |





#31

Cyclohexane

Concen: 56.217 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

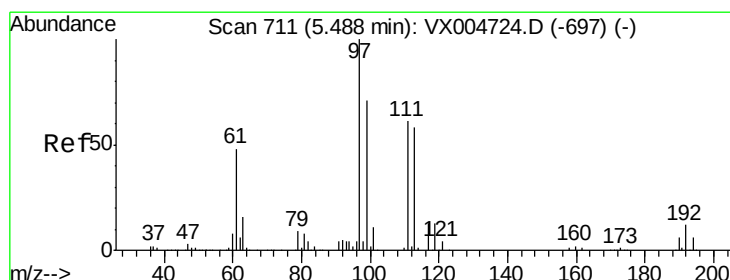
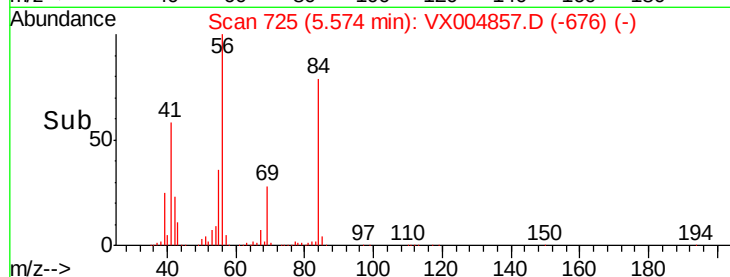
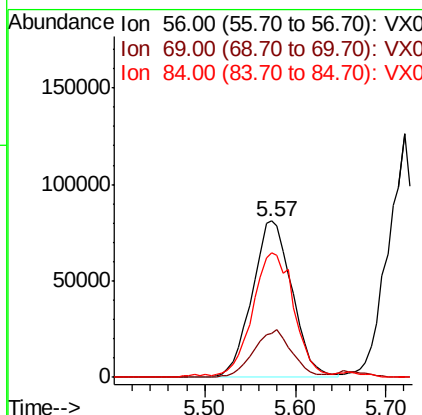
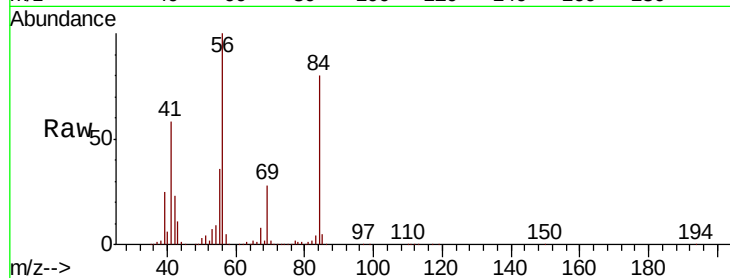
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 247501 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.3  | 25.4  | 38.2   |
| 84       | 78.4  | 71.4  | 107.2  |

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#32

1,1,1-Trichloroethane

Concen: 52.494 ug/l

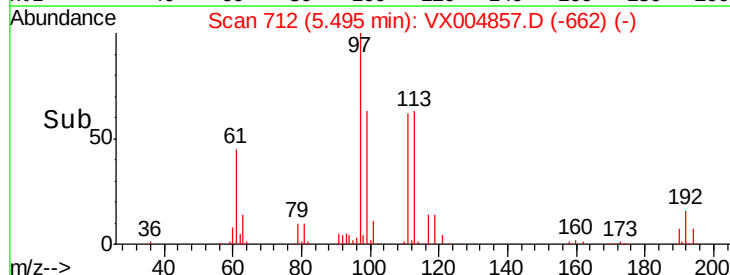
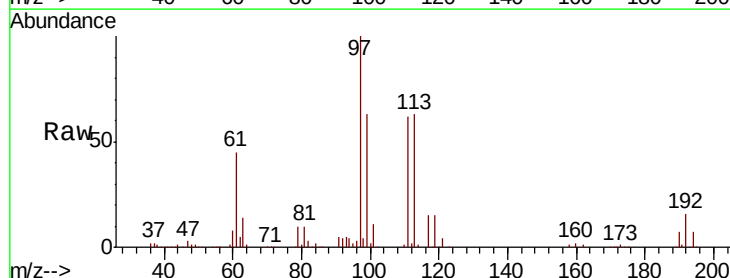
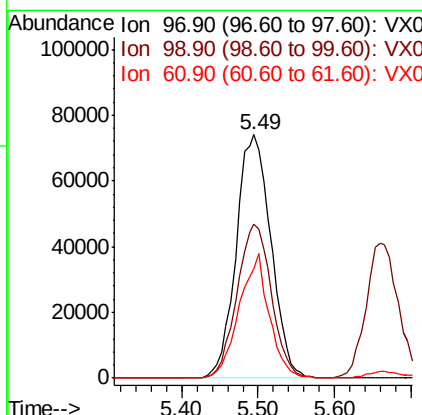
RT: 5.49 min Scan# 712

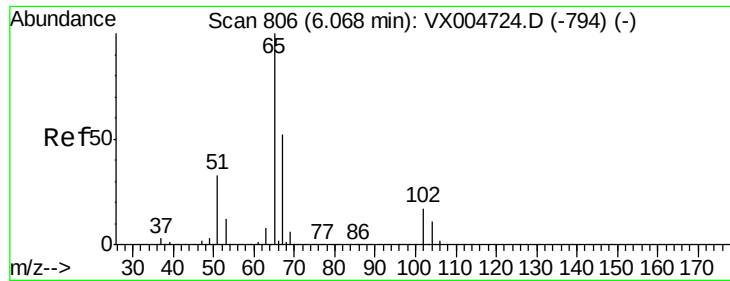
Delta R.T. 0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 233065 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.7  | 52.0  | 78.0   |
| 61       | 44.2  | 34.9  | 52.3   |





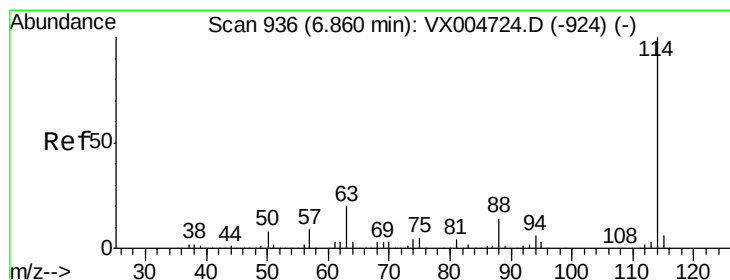
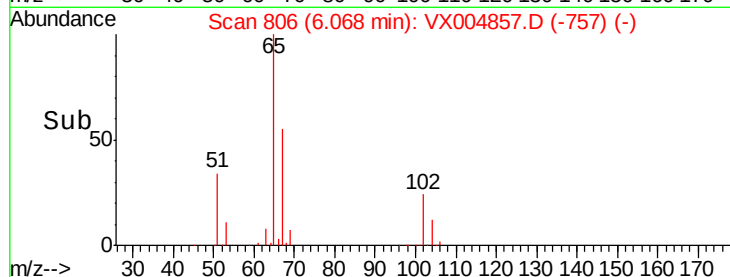
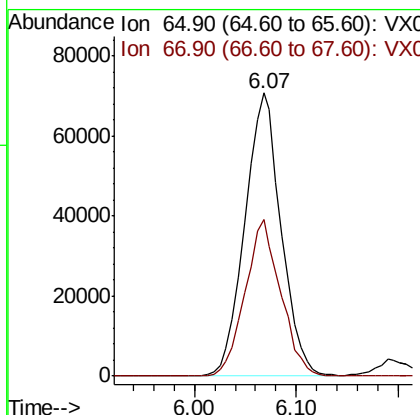
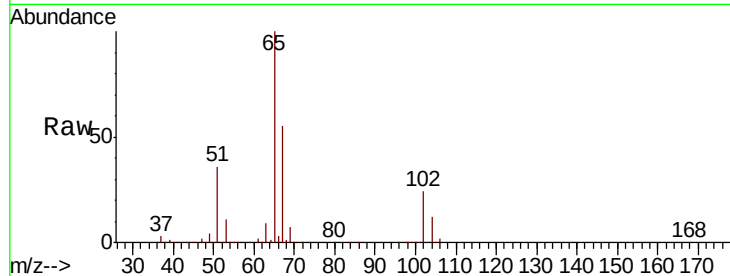
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.567 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 65 Resp: 174973  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 106.8

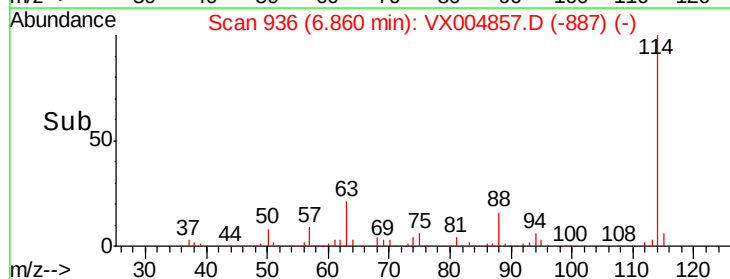
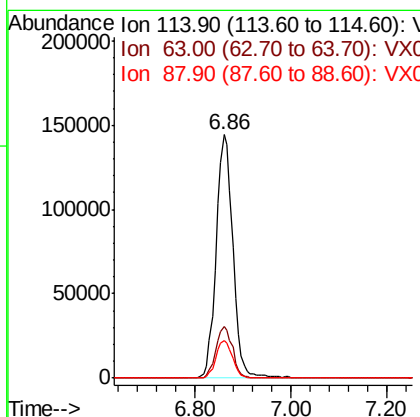
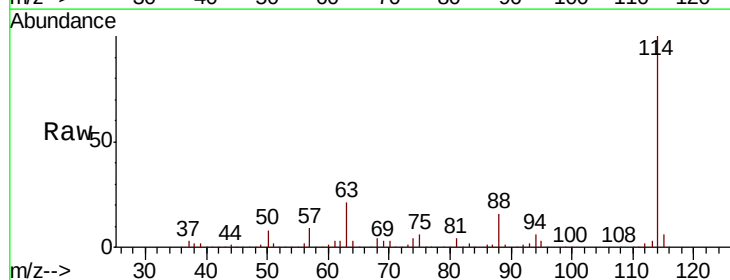
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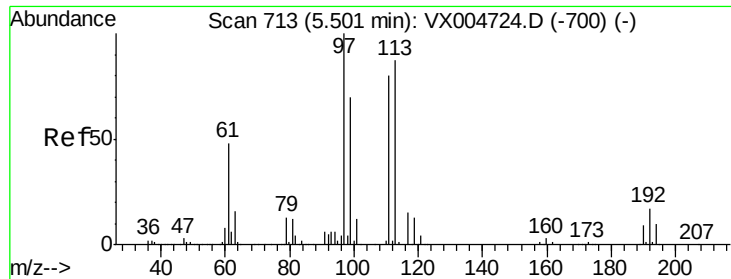
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Tgt Ion: 114 Resp: 350631  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 39.0  
 88 15.7 0.0 30.4





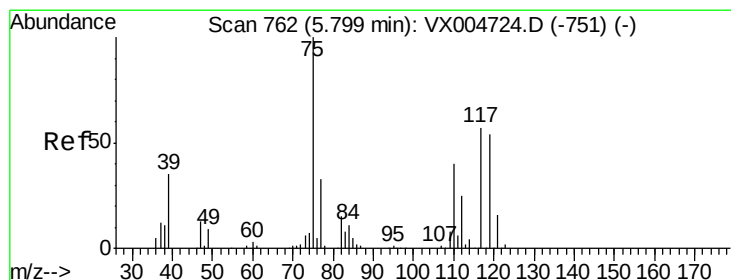
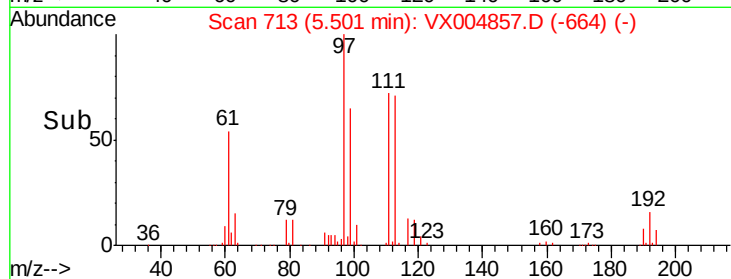
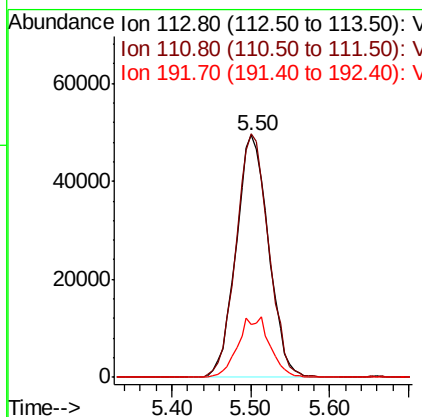
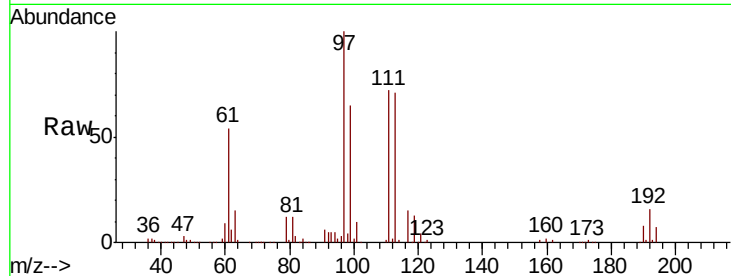
#35  
Dibromofluoromethane  
Concen: 47.615 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.8 | 82.4  | 123.6 |
| 192     | 24.3  | 19.4  | 29.2  |

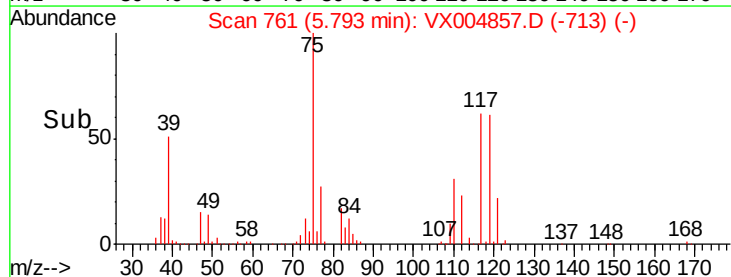
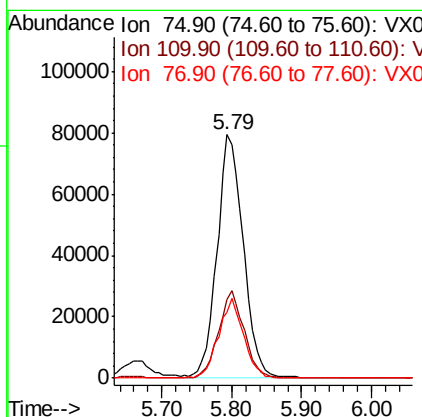
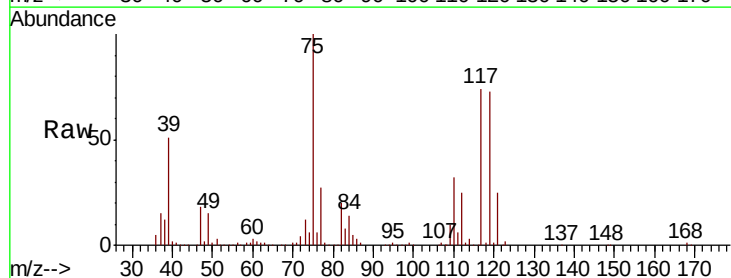
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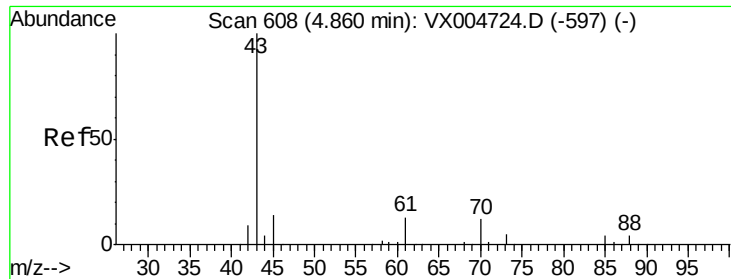
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#36  
1,1-Dichloropropene  
Concen: 50.824 ug/l  
RT: 5.79 min Scan# 761  
Delta R.T. -0.01 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.0  | 18.0  | 54.0  |
| 77      | 31.6  | 24.6  | 36.8  |





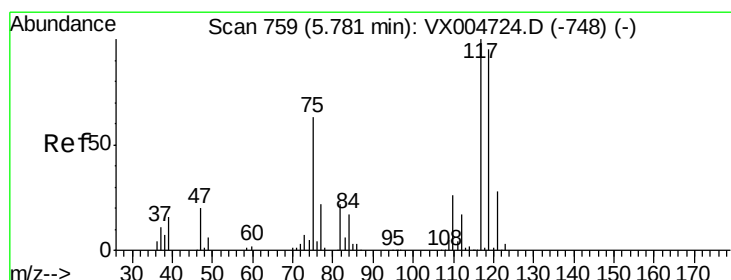
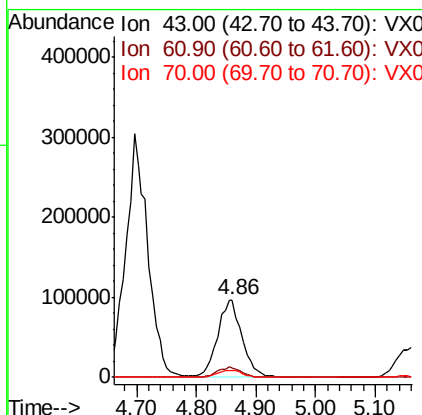
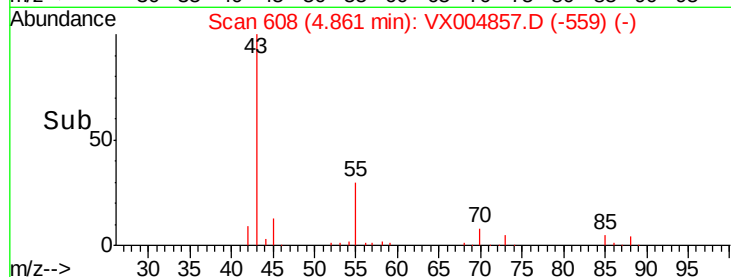
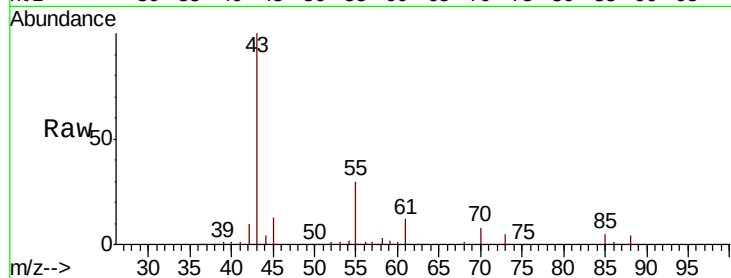
#37  
Ethyl Acetate  
Concen: 51.127 ug/l  
RT: 4.86 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.2  | 11.5  | 17.3  |
| 70      | 9.6   | 9.0   | 13.6  |

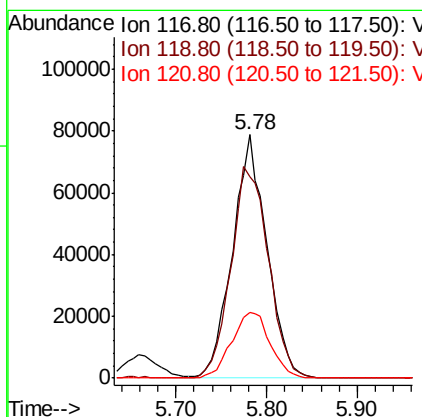
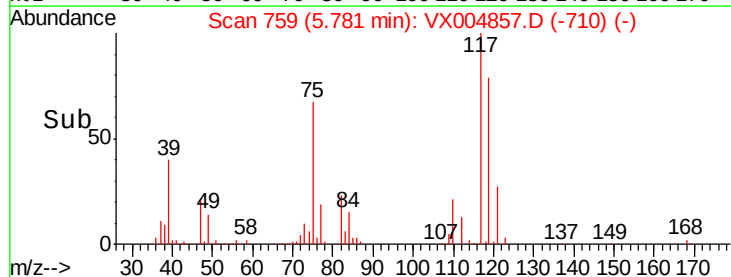
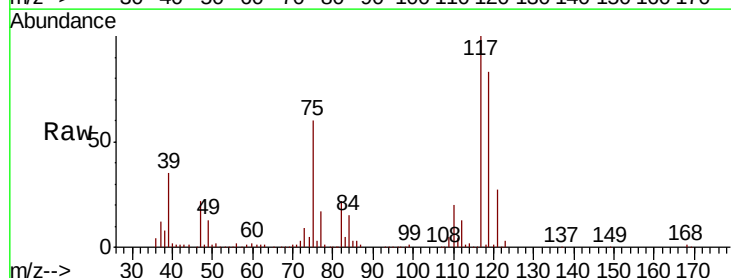
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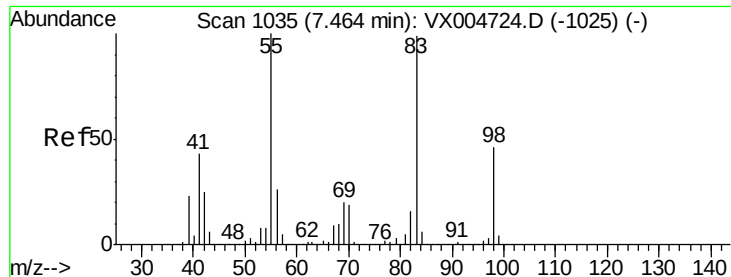


#38  
Carbon Tetrachloride  
Concen: 48.426 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 82.4  | 78.8  | 118.2 |
| 121     | 27.2  | 24.9  | 37.3  |







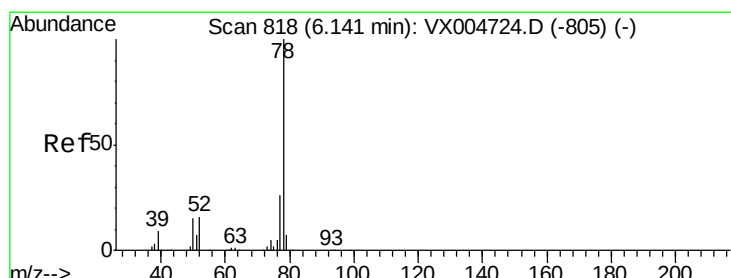
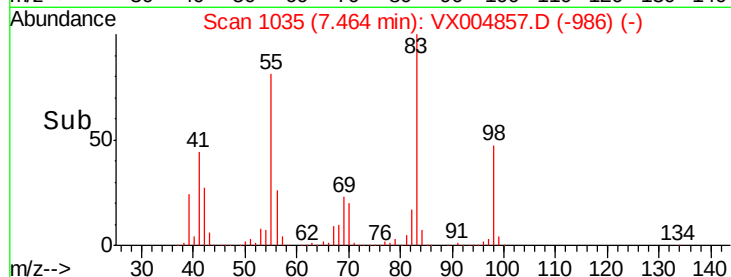
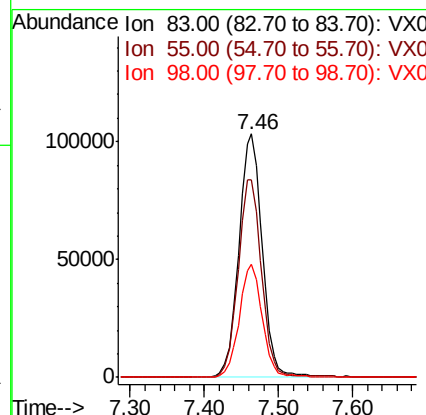
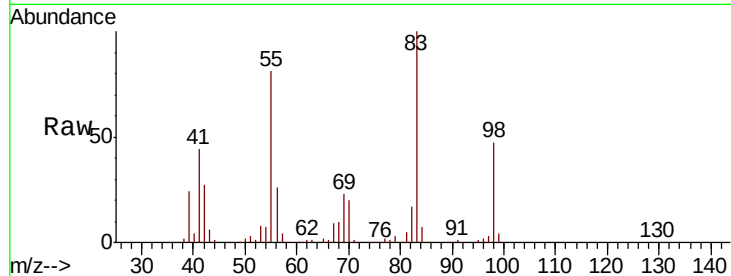
#39  
Methylvlcyclohexane  
Concen: 55.060 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 81.3  | 61.0 | 91.4  |       |
| 98      | 46.7  | 39.6 | 59.4  |       |

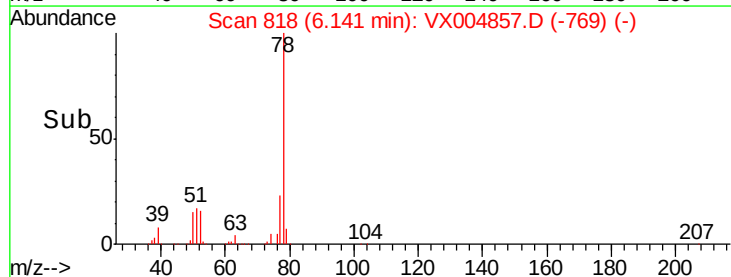
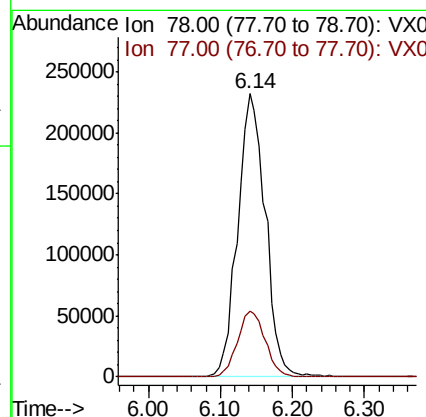
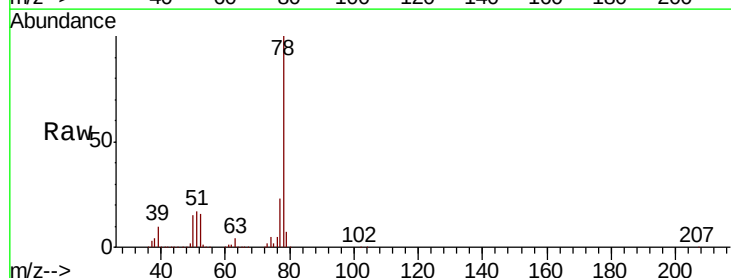
Manual Integrations  
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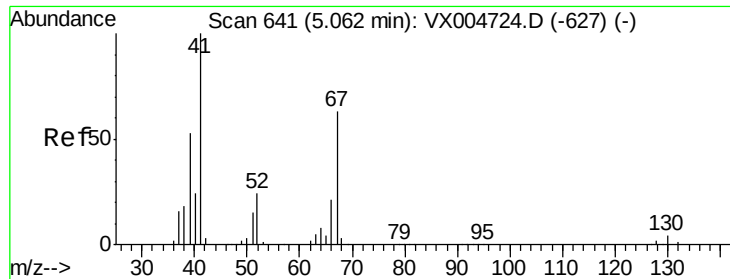
MMDadoda  
10/1/2018 1:31:31 PM



#40  
Benzene  
Concen: 48.635 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.4  | 19.0 | 28.4  |       |





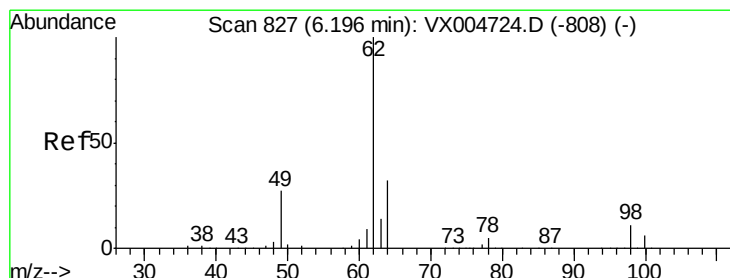
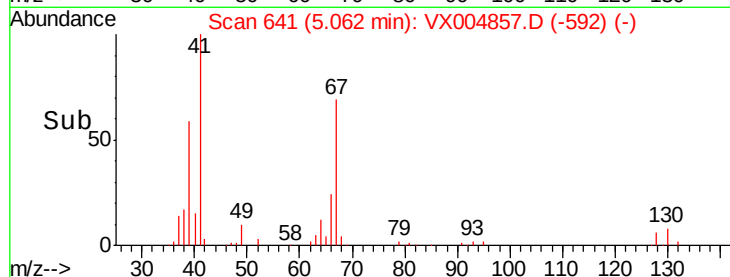
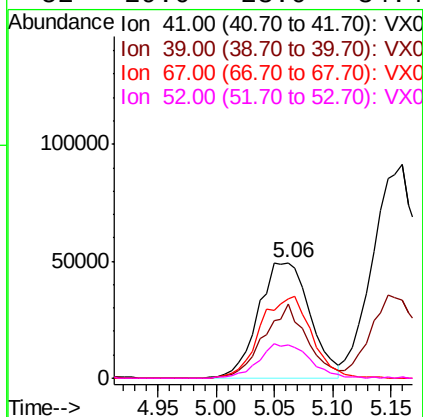
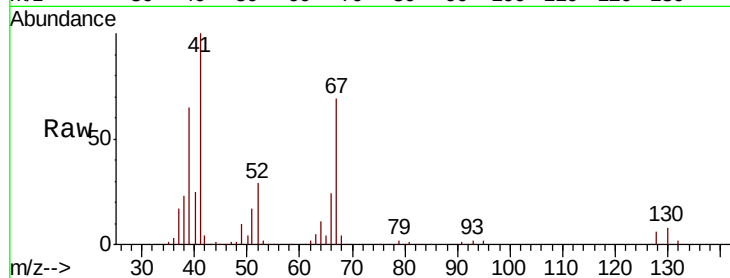
#41  
Methacrylonitrile  
Concen: 50.954 ug/l  
RT: 5.06 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.3 | 42.4  | 63.6  |       |
| 67      | 70.6 | 59.2  | 88.8  |       |
| 52      | 29.0 | 23.0  | 34.4  |       |

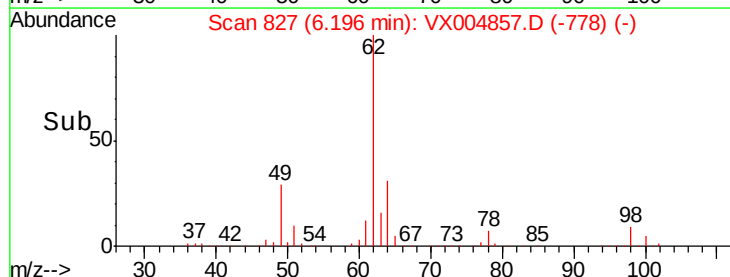
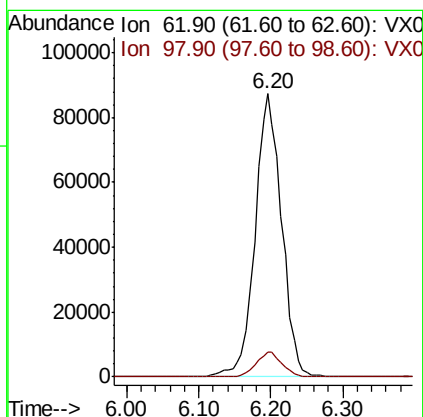
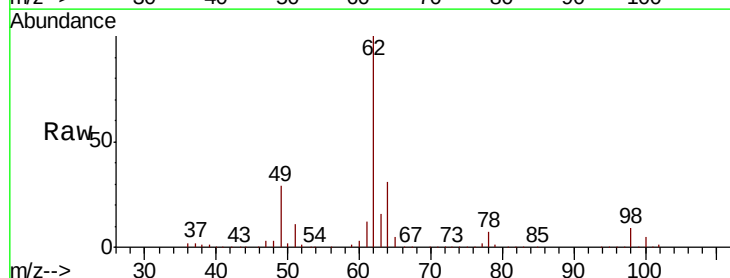
Manual Integrations  
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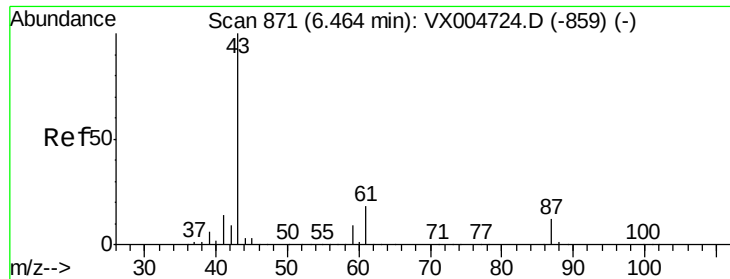
MMDadoda  
10/1/2018 1:31:31 PM



#42  
1,2-Dichloroethane  
Concen: 49.538 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.6 | 0.0   | 20.6  |       |





#43

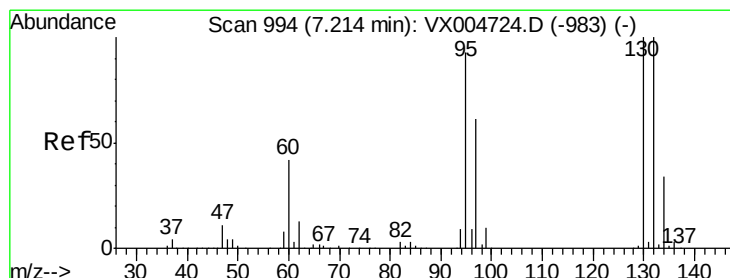
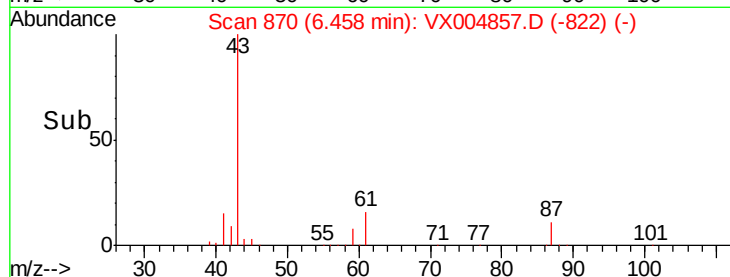
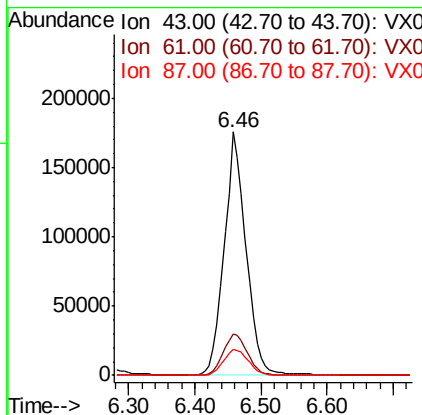
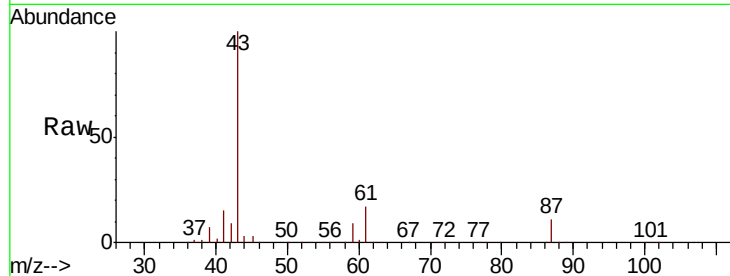
Isopropyl Acetate  
 Concen: 51.565 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. -0.01 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | 43    | Resp  | 400552 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 61      | 18.9  | 17.0  | 25.4   |
| 87      | 12.2  | 11.4  | 17.2   |

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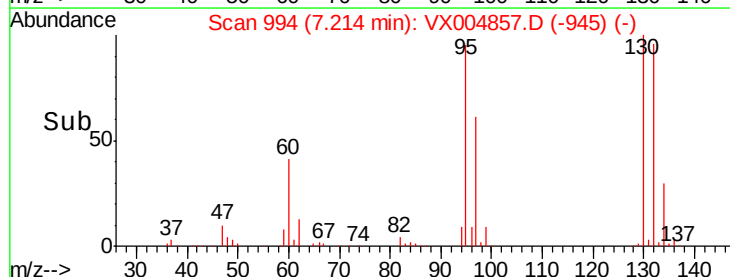
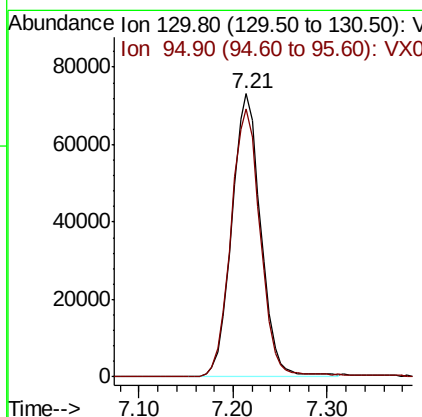
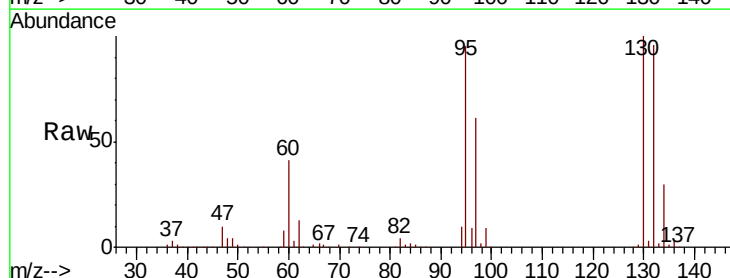
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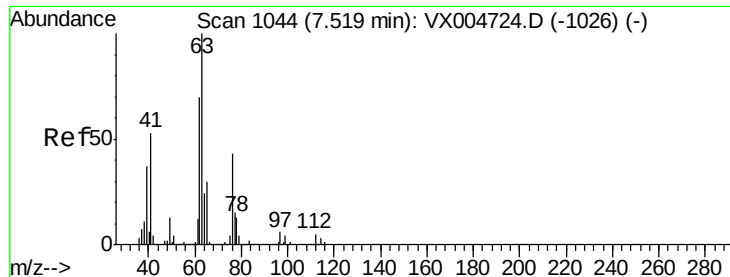


#44

Trichloroethene  
 Concen: 49.979 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

| Tgt Ion | 130   | Resp  | 155952 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 130     | 100   |       |        |
| 95      | 94.6  | 0.0   | 181.6  |





#45

1,2-Dichloropropane

Concen: 51.684 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 160879

Ion Ratio Lower Upper

63 100

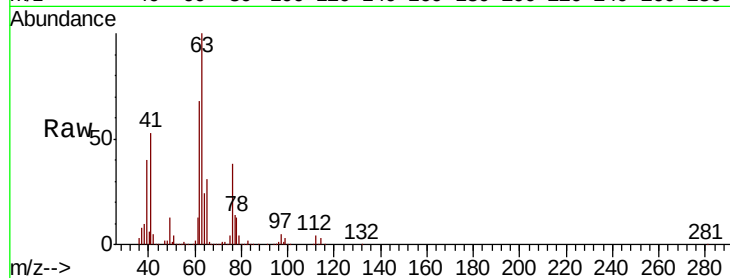
65 30.7 24.3 36.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

80000

60000

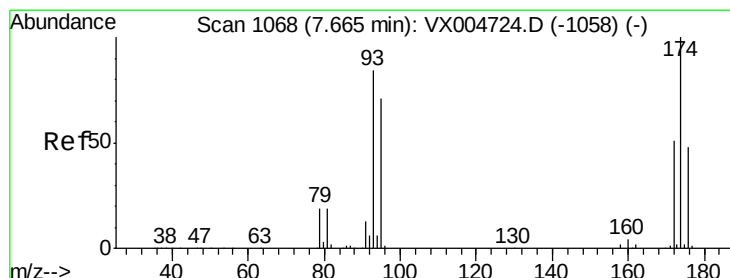
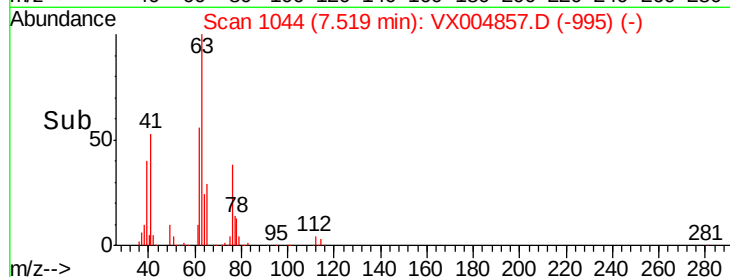
40000

20000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 52.071 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

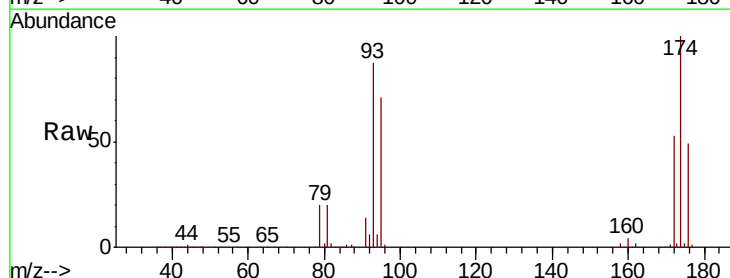
Tgt Ion: 93 Resp: 101863

Ion Ratio Lower Upper

93 100

95 82.4 65.5 98.3

174 112.7 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

80000

60000

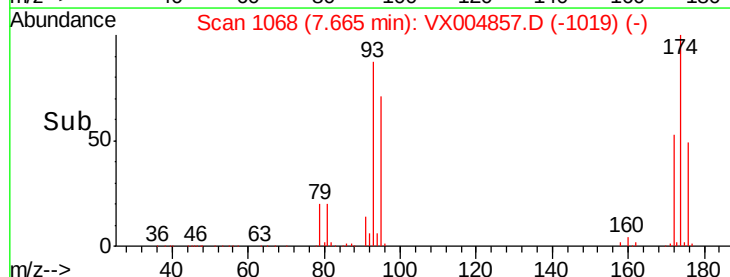
40000

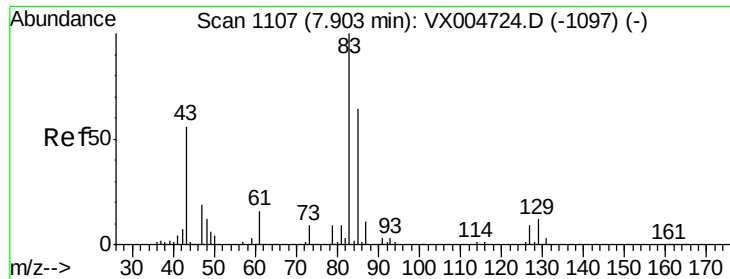
20000

0

Time-->

7.60 7.70





#47

Bromodichloromethane

Concen: 54.156 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

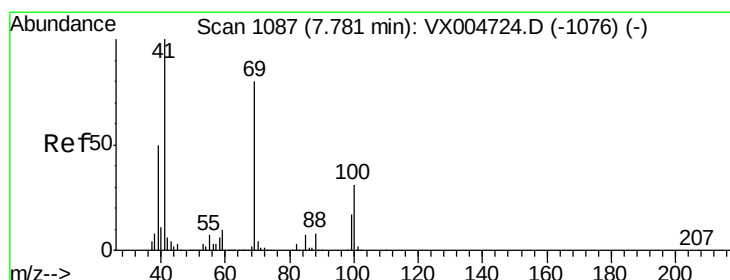
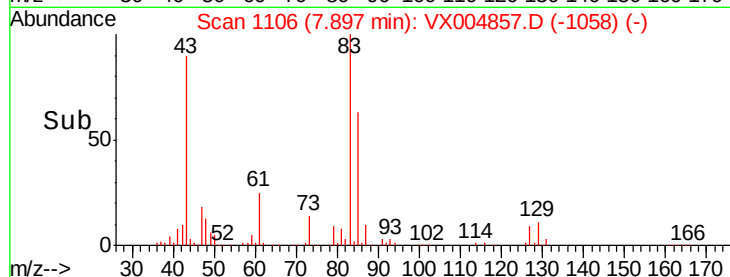
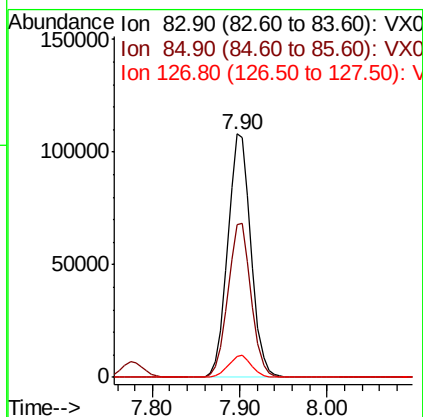
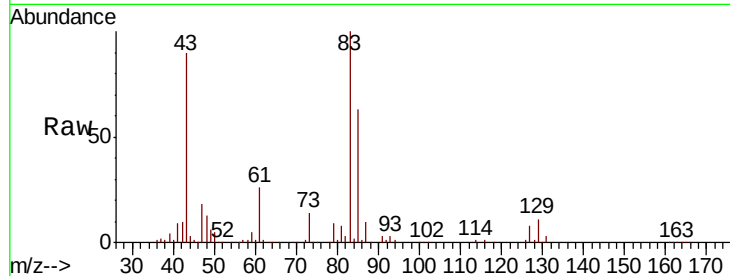
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 198351 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.6  | 50.9  | 76.3   |
| 127       | 8.5   | 7.3   | 10.9   |

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#48

Methyl methacrylate

Concen: 57.652 ug/l

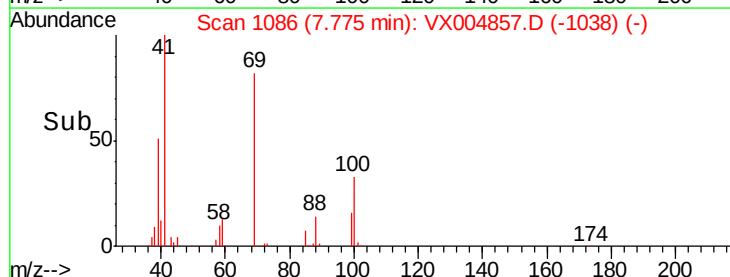
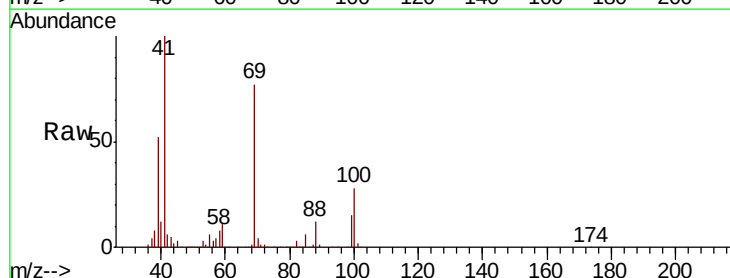
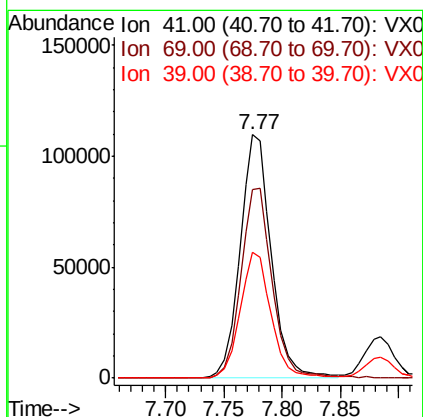
RT: 7.77 min Scan# 1086

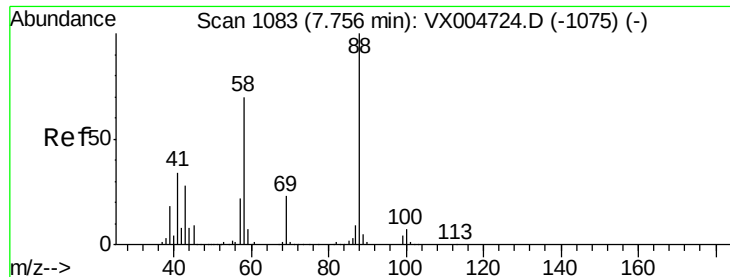
Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 203265 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 79.0  | 70.2  | 105.4  |
| 39        | 51.5  | 42.7  | 64.1   |





#49

1,4-Dioxane

Concen: 1026.122 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

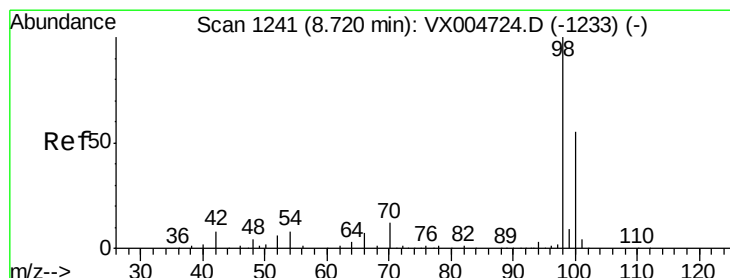
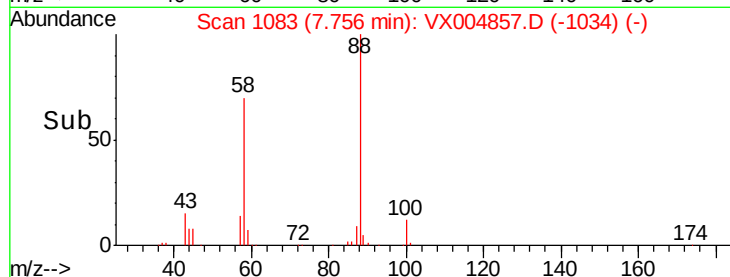
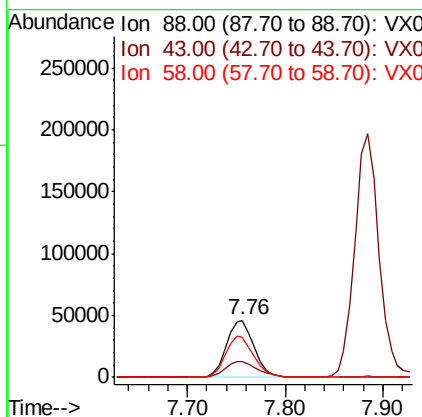
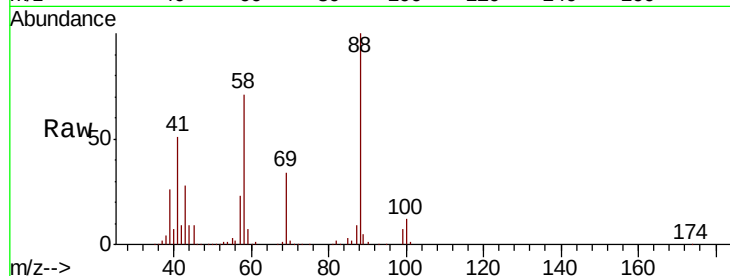
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 89881 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 33.3  | 24.7  | 37.1  |
| 58       | 74.2  | 55.3  | 82.9  |

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#50

Toluene-d8

Concen: 52.562 ug/l

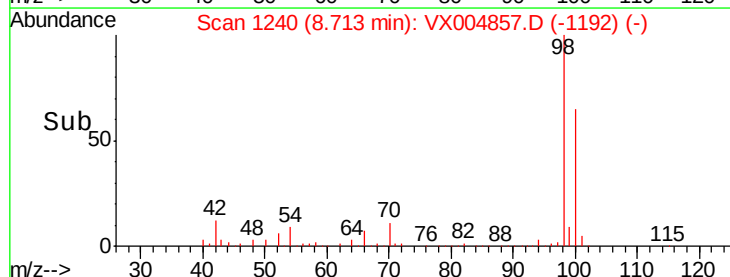
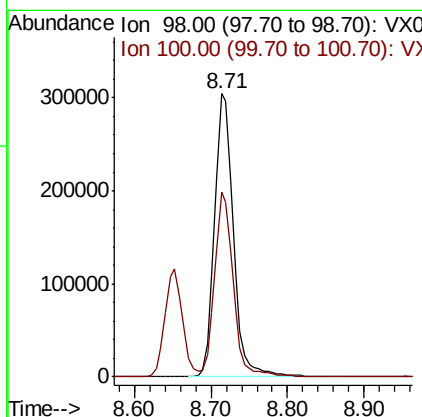
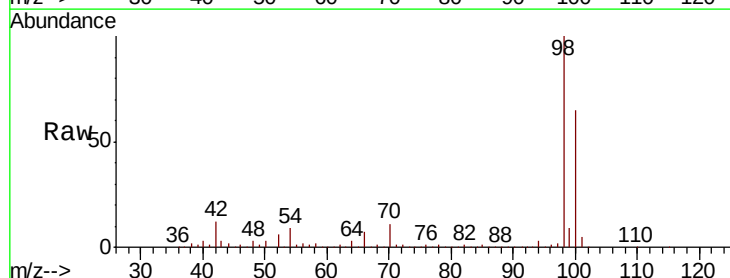
RT: 8.71 min Scan# 1240

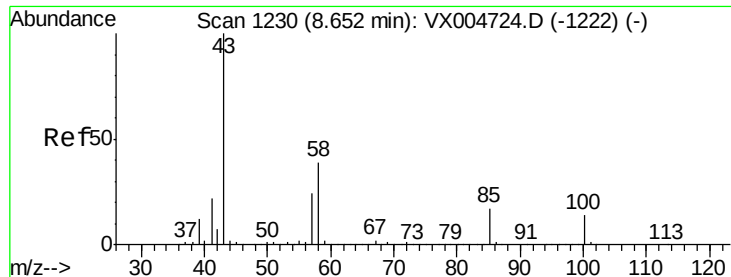
Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 519267 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.8  | 52.9  | 79.3   |





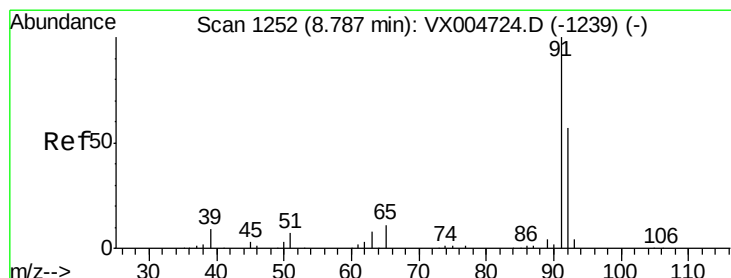
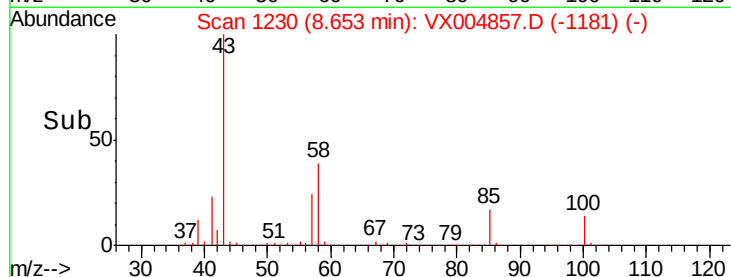
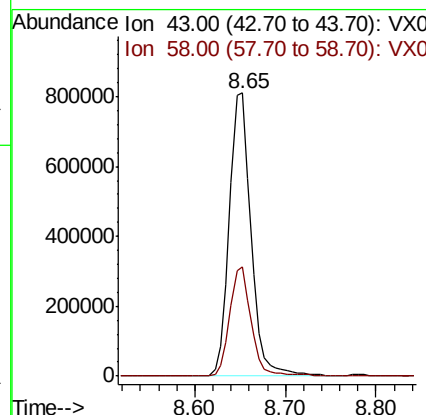
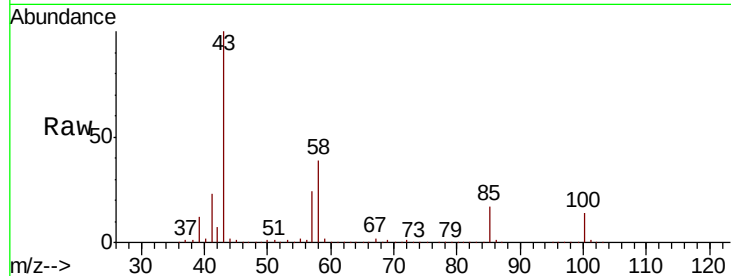
#51  
4-Methyl-2-Pentanone  
Concen: 277.751 ug/l  
RT: 8.65 min Scan# 1230  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1358486  
Ion Ratio Lower Upper  
43 100  
58 38.4 33.1 49.7

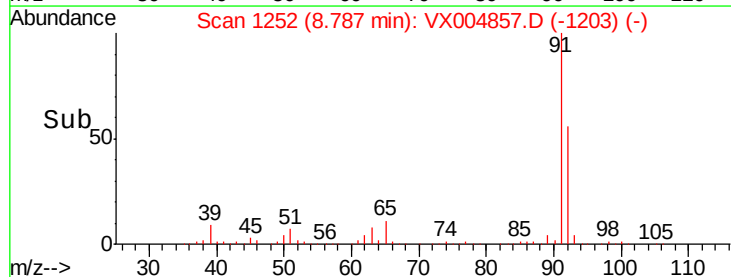
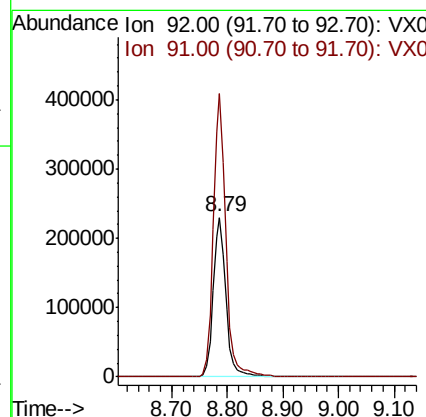
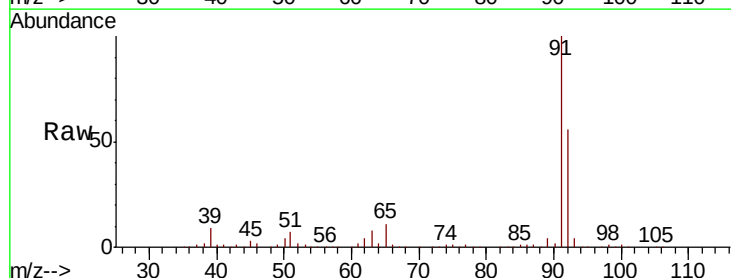
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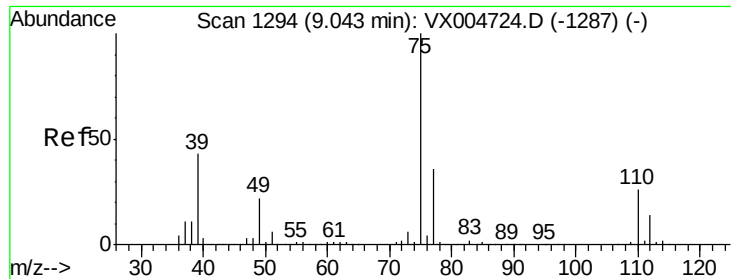
MMDadoda  
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#52  
Toluene  
Concen: 53.027 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Tgt Ion: 92 Resp: 369848  
Ion Ratio Lower Upper  
92 100  
91 174.7 136.4 204.6





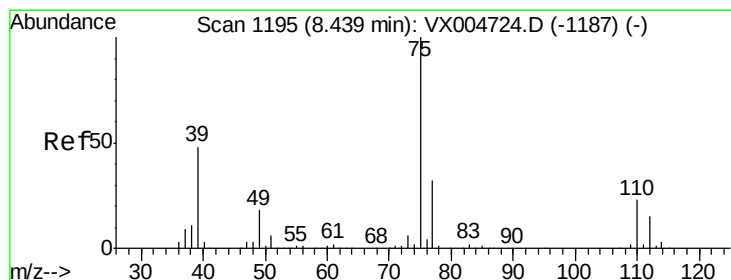
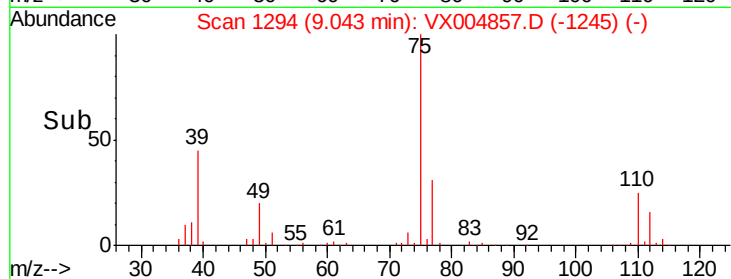
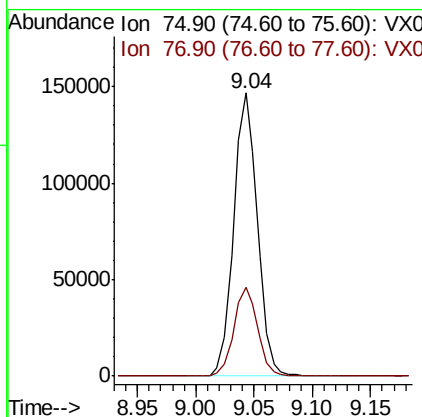
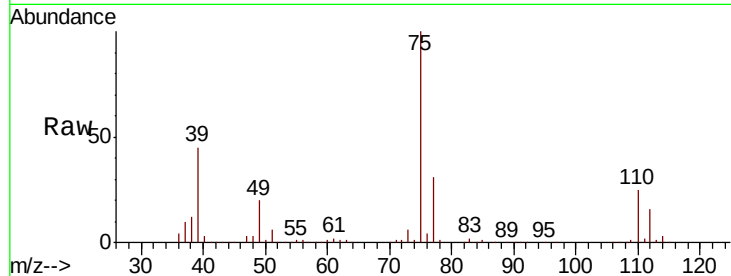
#53  
 t-1,3-Dichloropropene  
 Concen: 50.179 ug/l  
 RT: 9.04 min Scan# 1294  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 75 Resp: 207687  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 24.6 37.0

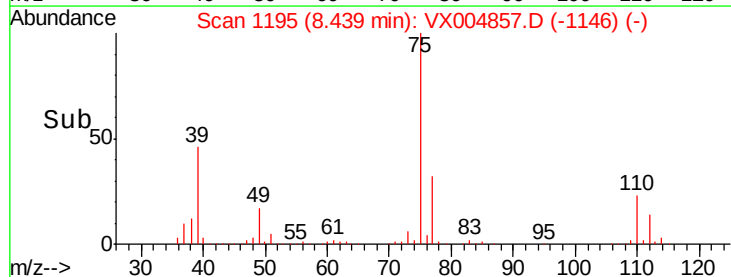
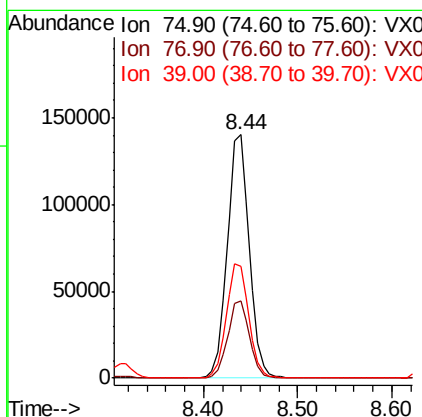
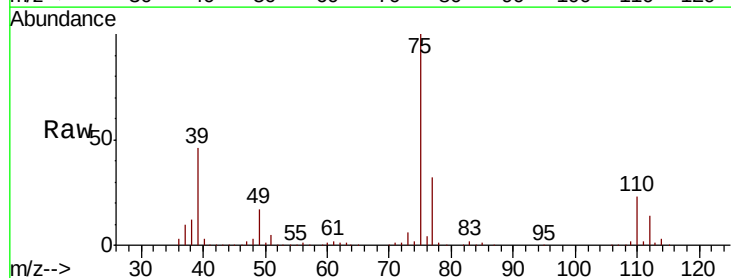
Manual Integrations  
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MMDadoda  
 10/1/2018 1:31:31 PM

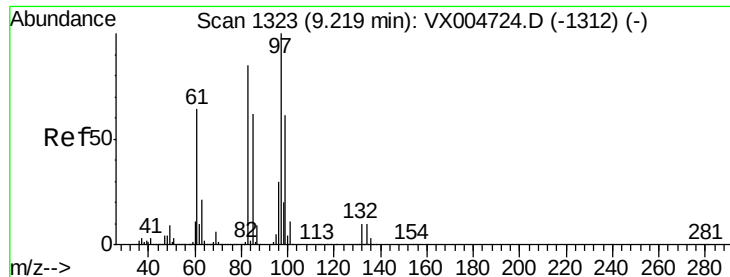


#54  
 cis-1,3-Dichloropropene  
 Concen: 52.200 ug/l  
 RT: 8.44 min Scan# 1195  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Tgt Ion: 75 Resp: 226298  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 26.2 39.2  
 39 46.0 36.4 54.6







#55

1,1,2-Trichloroethane

Concen: 49.893 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

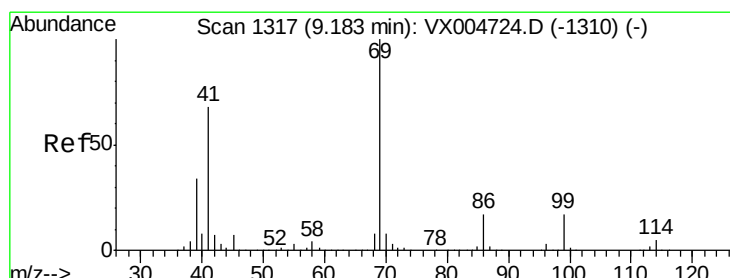
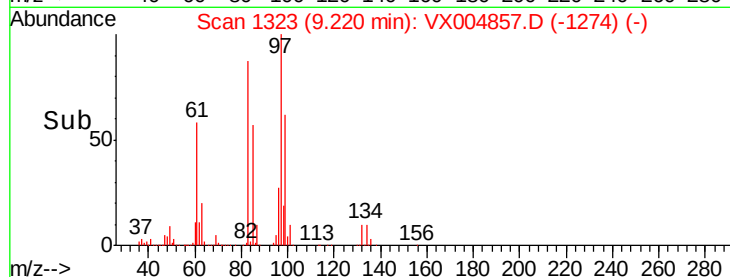
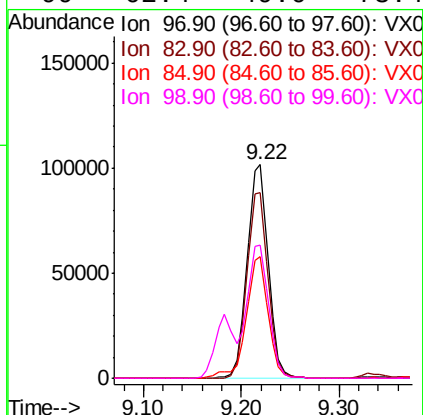
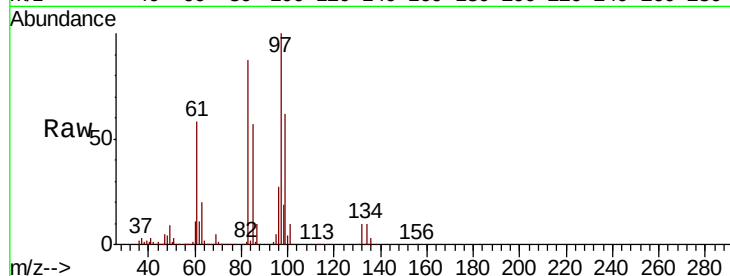
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 152429 |       |       |
| 83      | 86.8 | 66.4  | 99.6   |       |       |
| 85      | 56.7 | 43.3  | 64.9   |       |       |
| 99      | 62.4 | 49.0  | 73.4   |       |       |

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#56

Ethyl methacrylate

Concen: 48.715 ug/l

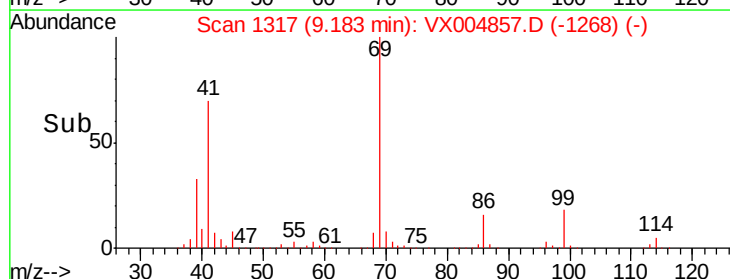
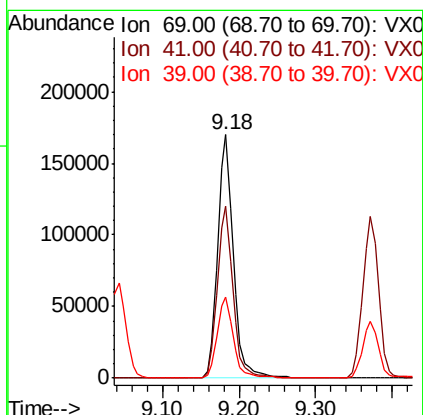
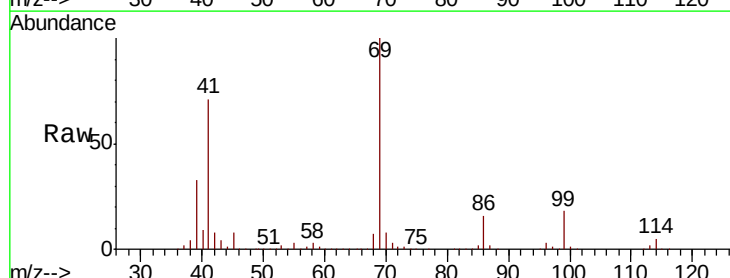
RT: 9.18 min Scan# 1317

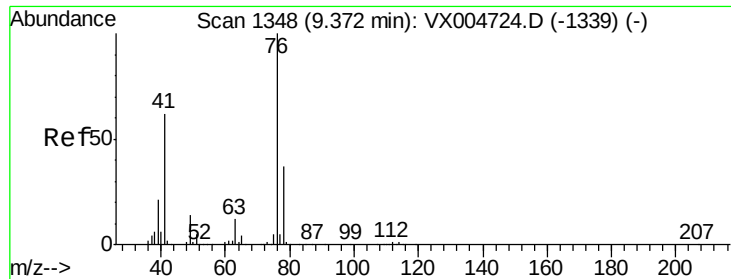
Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 241124 |       |       |
| 41      | 70.6 | 51.0  | 76.4   |       |       |
| 39      | 34.2 | 26.1  | 39.1   |       |       |





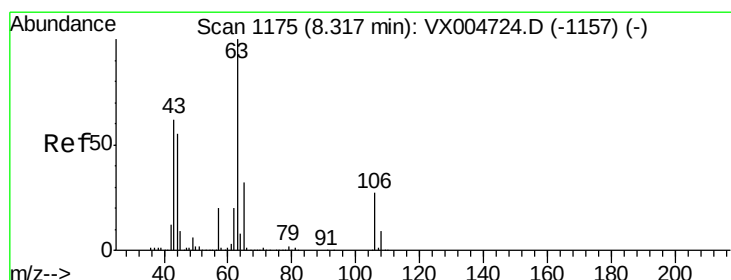
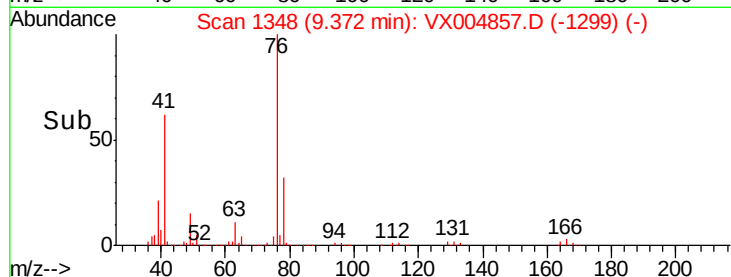
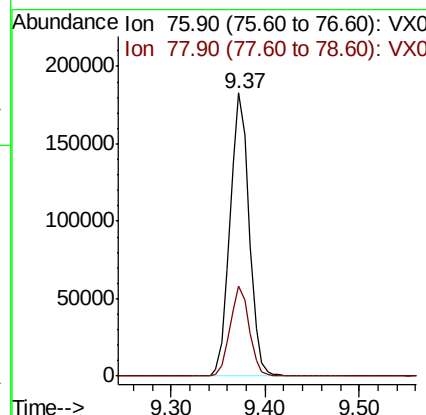
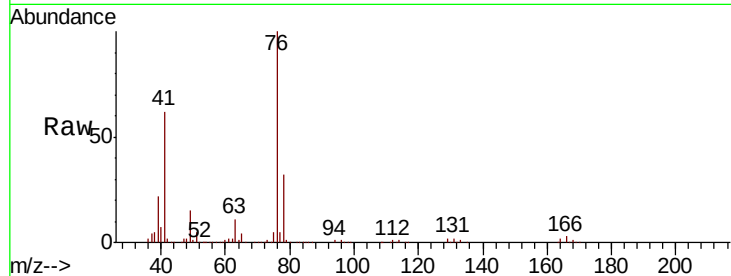
#57  
 1,3-Dichloropropane  
 Concen: 50.750 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.9  | 25.5  | 38.3  |

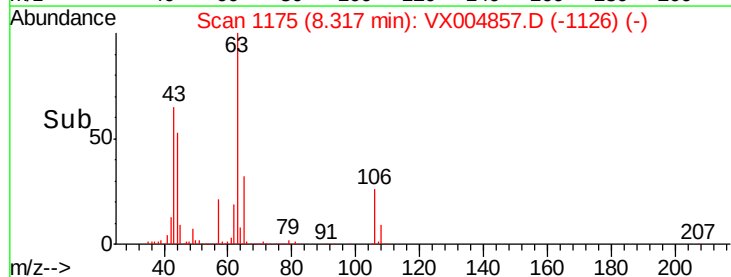
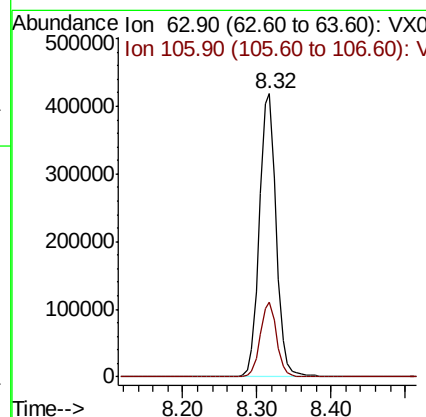
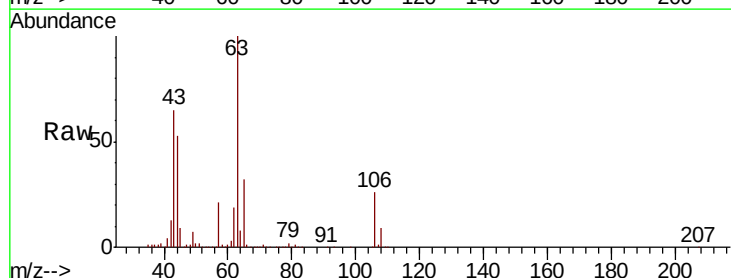
Manual Integrations  
 APPROVED

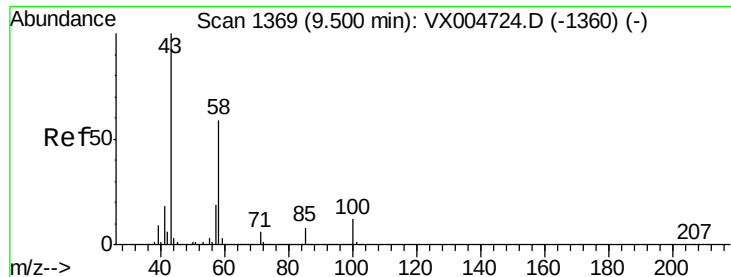
MMDadoda  
 10/1/2018 1:31:31 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 252.500 ug/l  
 RT: 8.32 min Scan# 1175  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.0  | 23.9  | 35.9  |





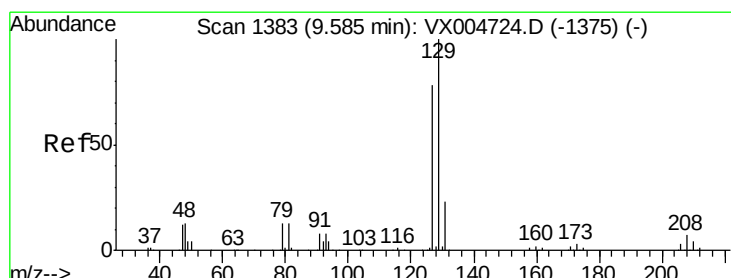
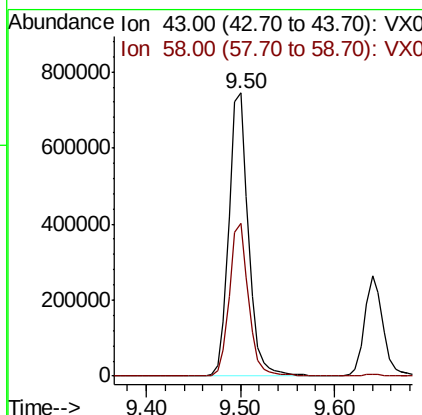
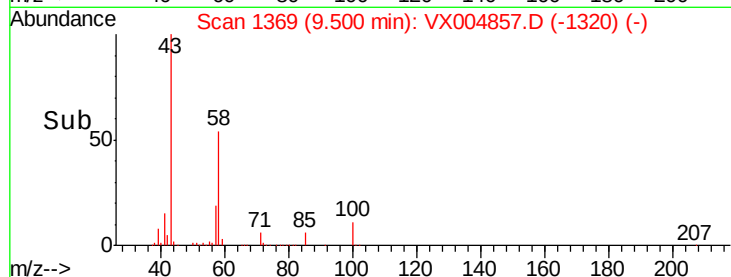
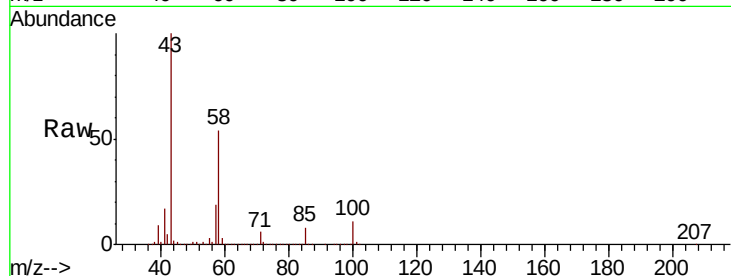
#59  
2-Hexanone  
Concen: 263.493 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1073939  
Ion Ratio Lower Upper  
43 100  
58 53.0 29.0 87.0

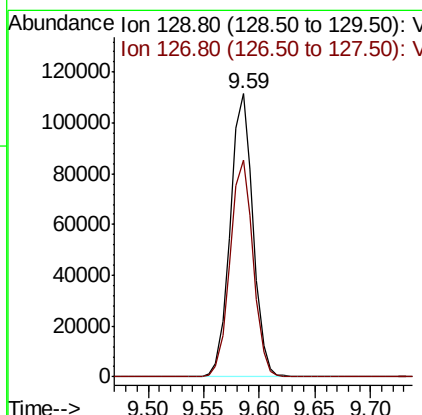
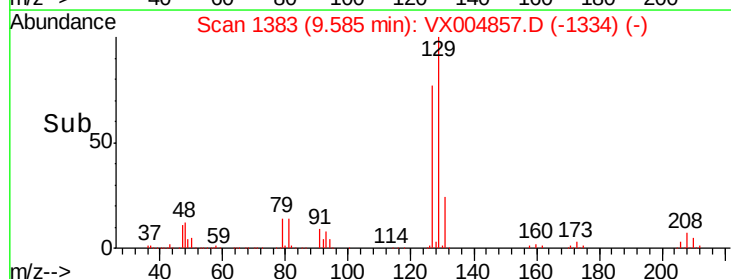
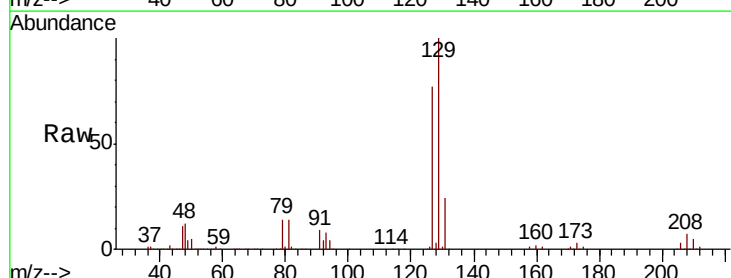
Manual Integrations  
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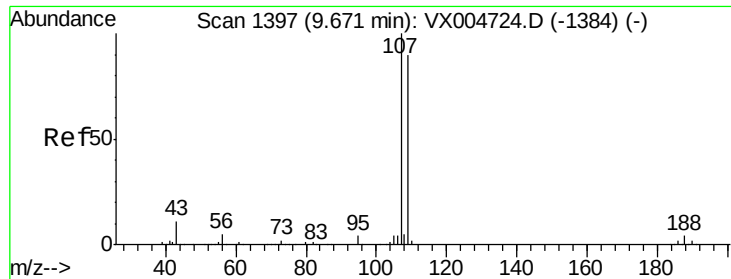
MMDadoda  
10/1/2018 1:31:31 PM



#60  
Dibromochloromethane  
Concen: 51.493 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Tgt Ion: 129 Resp: 157332  
Ion Ratio Lower Upper  
129 100  
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.352 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 158202

Ion Ratio Lower Upper

107 100

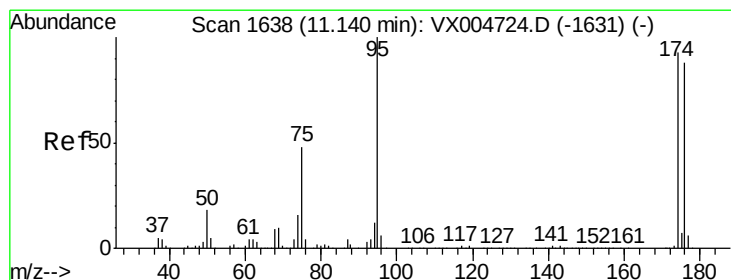
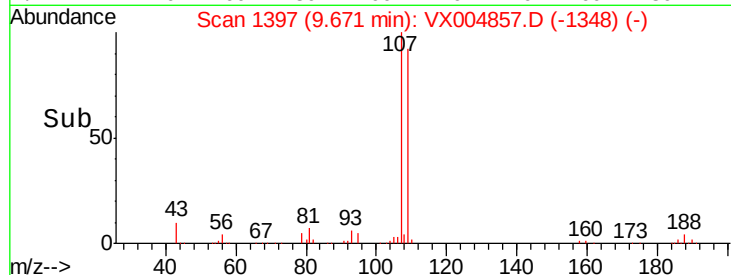
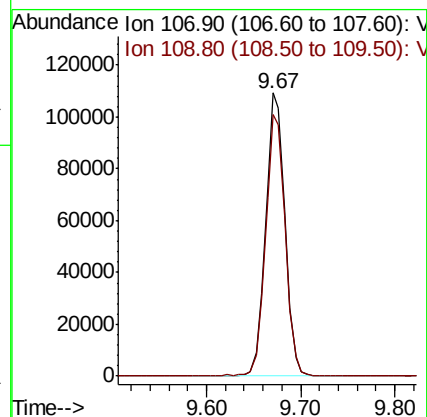
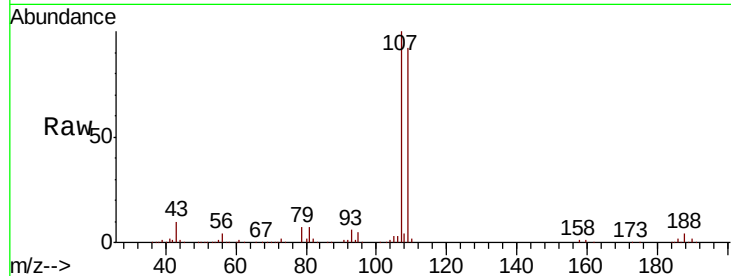
109 94.1 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 54.380 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

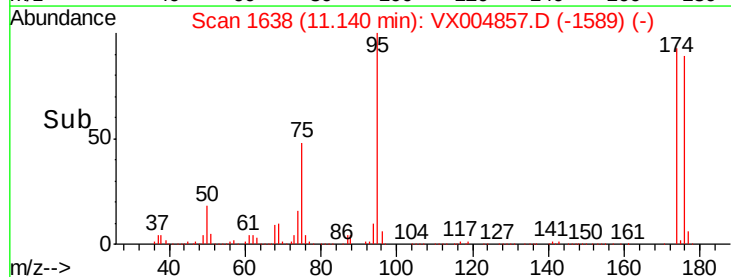
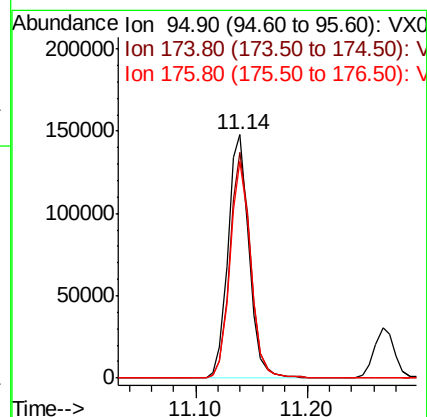
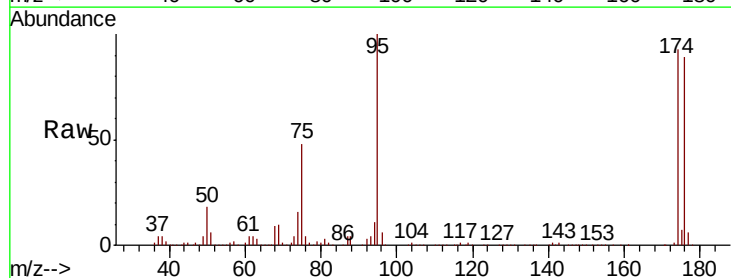
Tgt Ion: 95 Resp: 193542

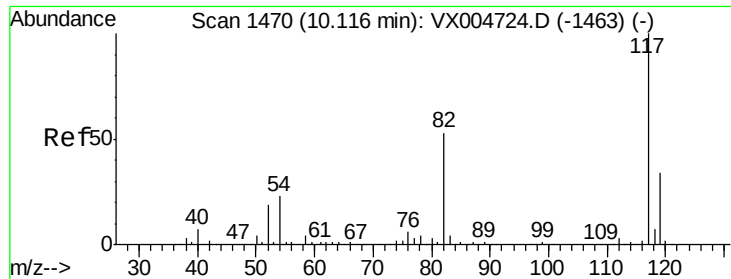
Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

176 87.8 0.0 178.6





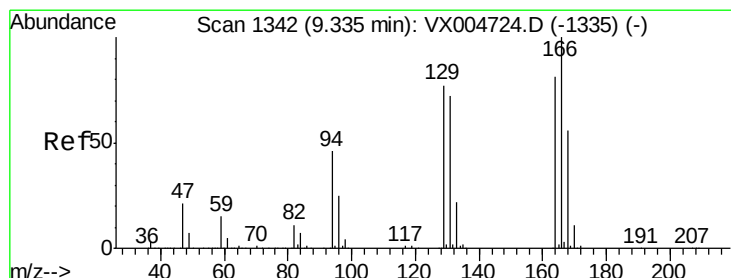
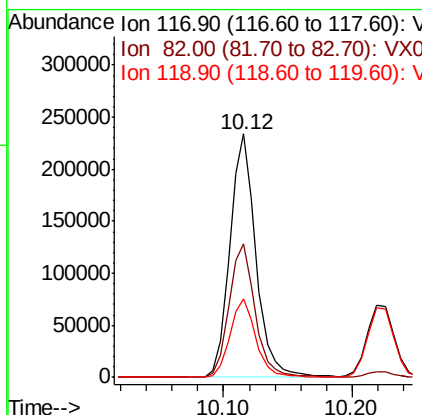
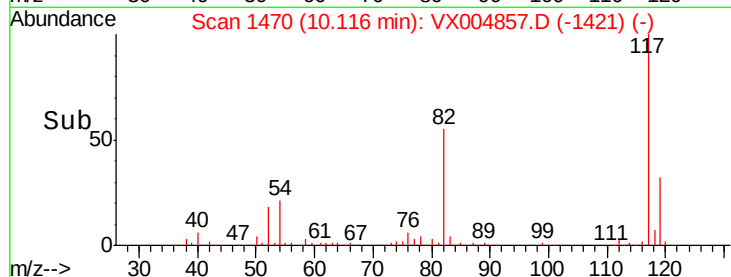
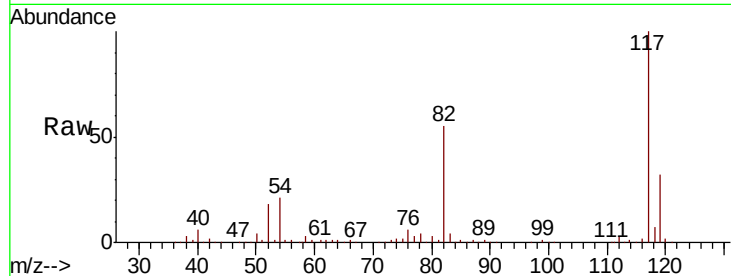
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.0  | 47.8  | 71.6  |
| 119     | 32.2  | 29.3  | 43.9  |

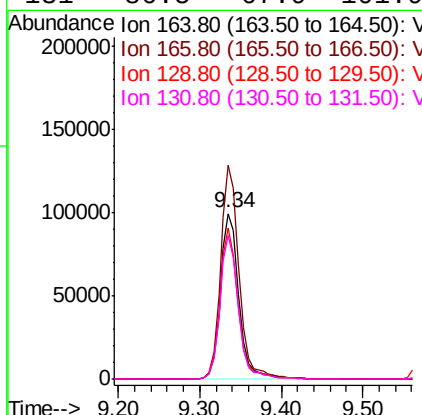
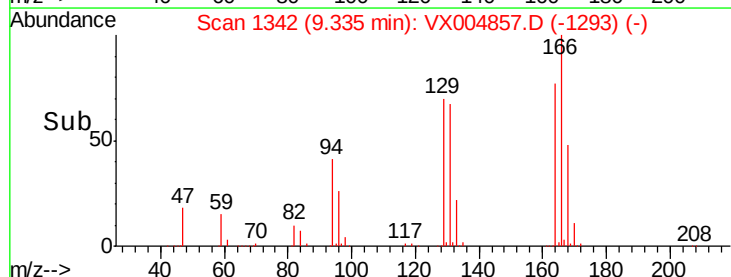
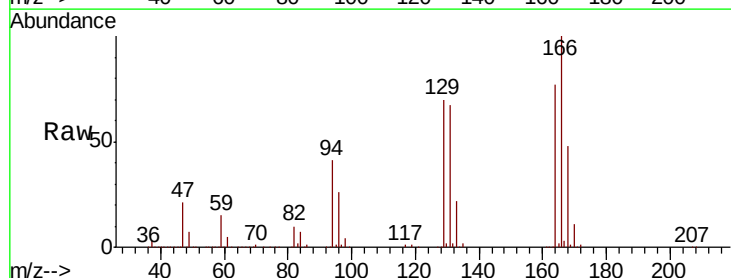
Manual Integrations  
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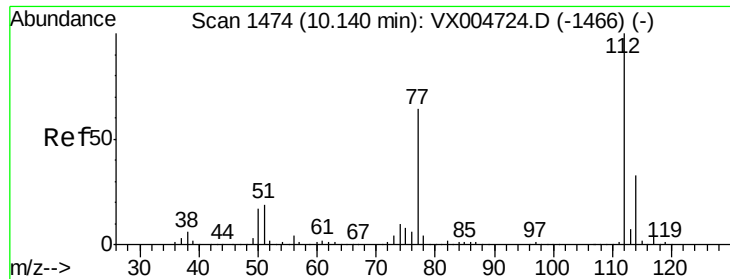
MMDadoda  
10/1/2018 1:31:31 PM



#64  
Tetrachloroethene  
Concen: 48.181 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.1 | 102.8 | 154.2 |
| 129     | 91.0  | 69.4  | 104.0 |
| 131     | 86.5  | 67.9  | 101.9 |





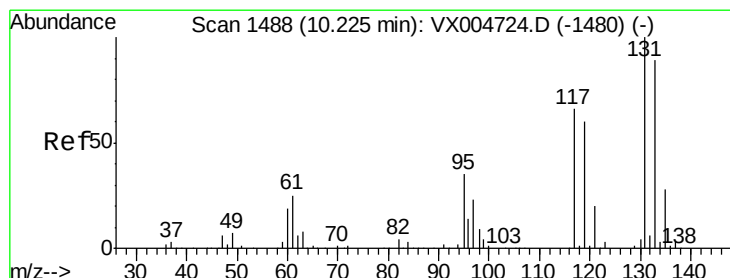
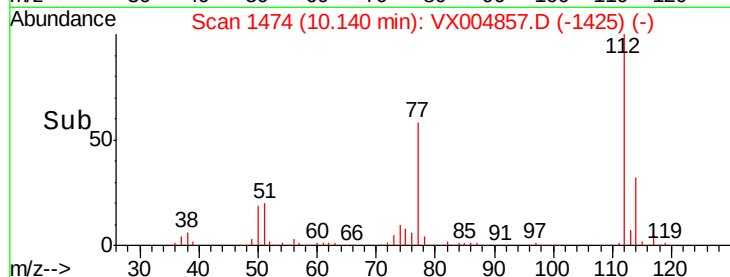
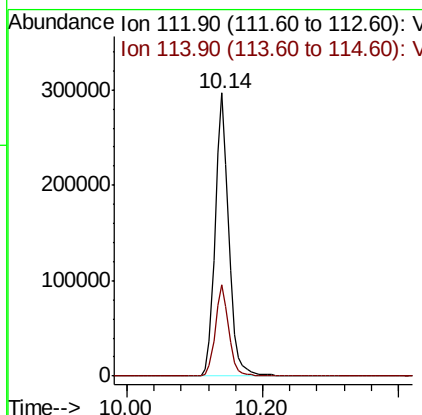
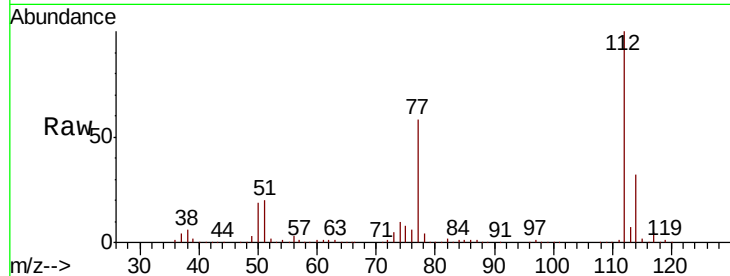
#65  
Chlorobenzene  
Concen: 48.701 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.3  | 27.8  | 41.8  |

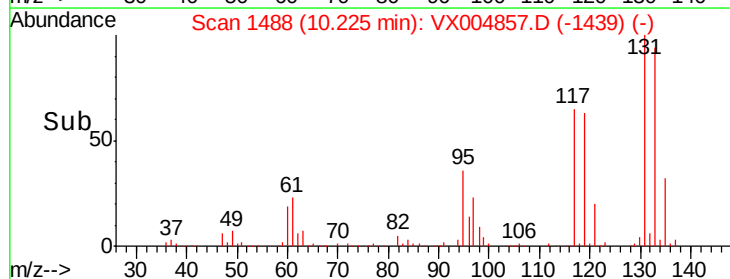
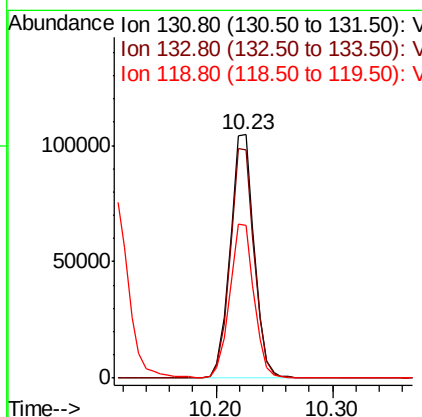
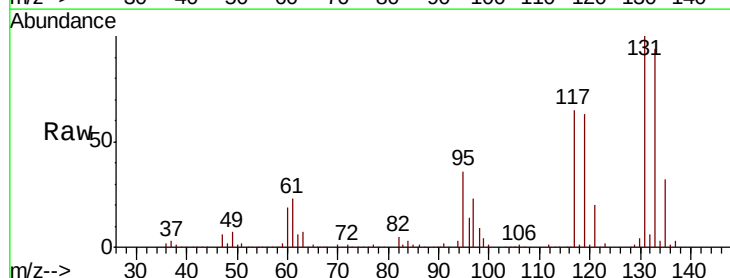
Manual Integrations  
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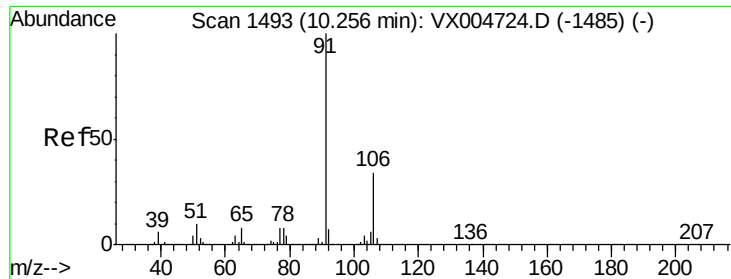
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.271 ug/l  
RT: 10.23 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.5  | 48.1  | 144.4 |
| 119     | 64.0  | 32.9  | 98.6  |





#67

Ethyl Benzene

Concen: 52.250 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 703792

Ion Ratio Lower Upper

91 100

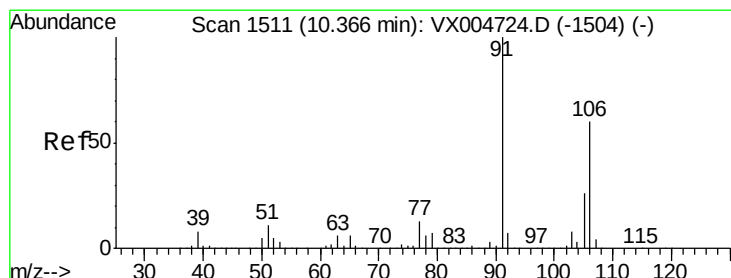
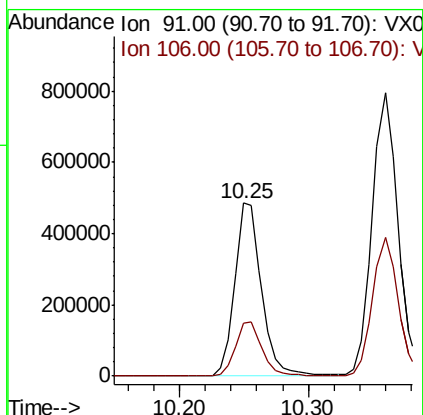
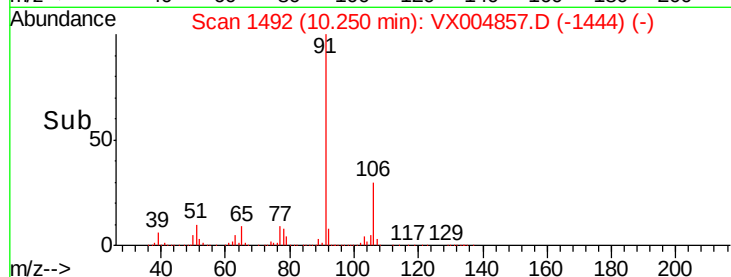
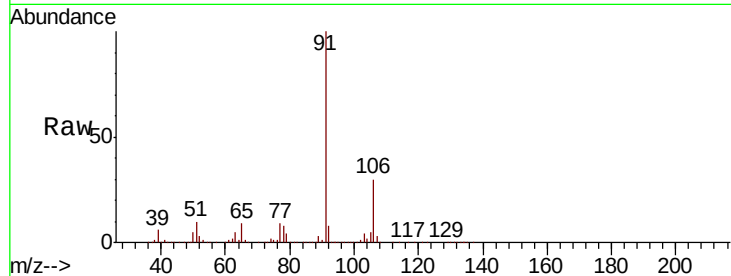
106 30.5 25.9 38.9

Manual Integrations

APPROVED

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10/1/2018 1:31:31 PM



#68

m/p-Xylenes

Concen: 103.977 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004857.D

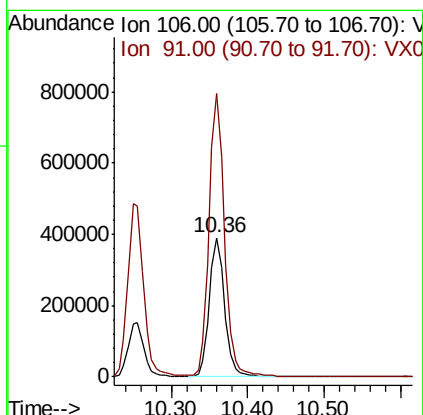
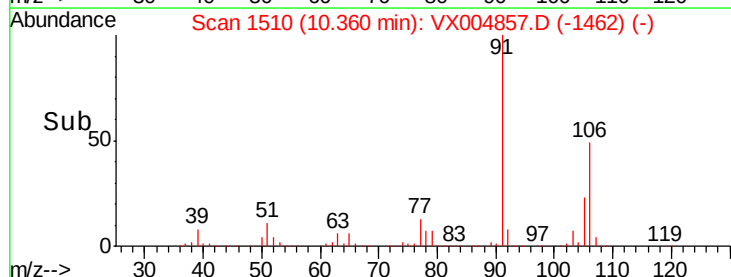
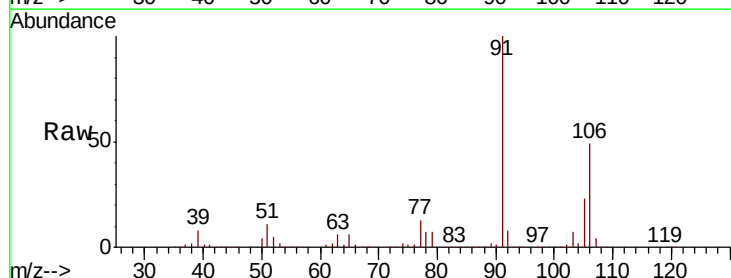
Acq: 29 Sep 2018 08:05

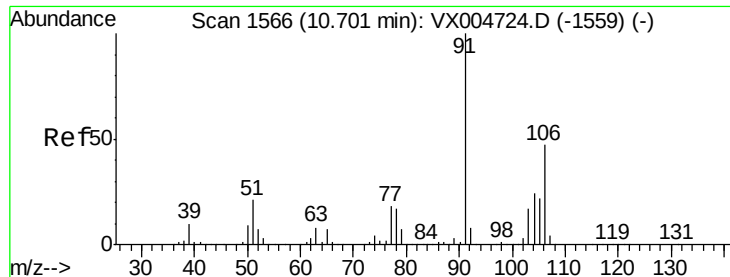
Tgt Ion: 106 Resp: 547285

Ion Ratio Lower Upper

106 100

91 205.1 157.1 235.7





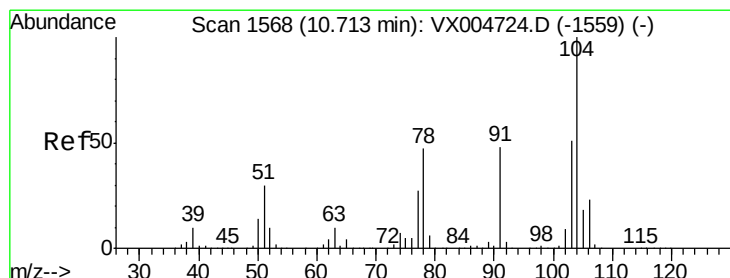
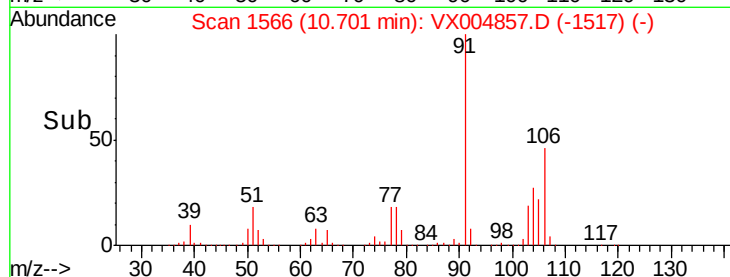
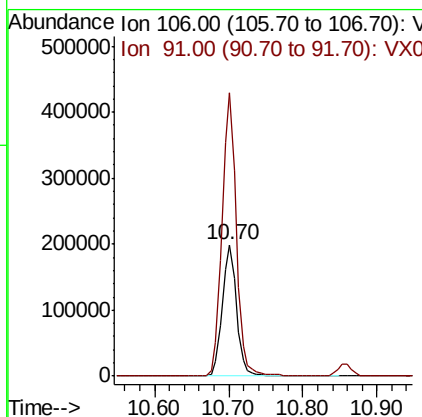
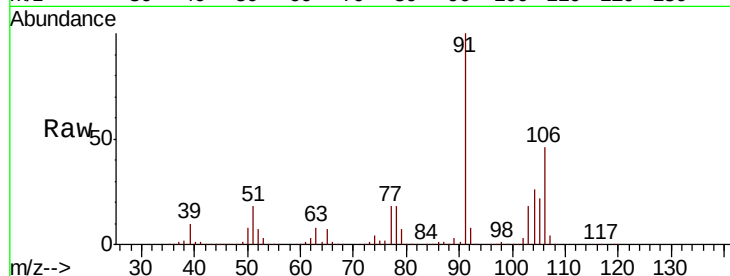
#69  
o-Xylene  
Concen: 55.065 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 215.0 | 105.1 | 315.1 |

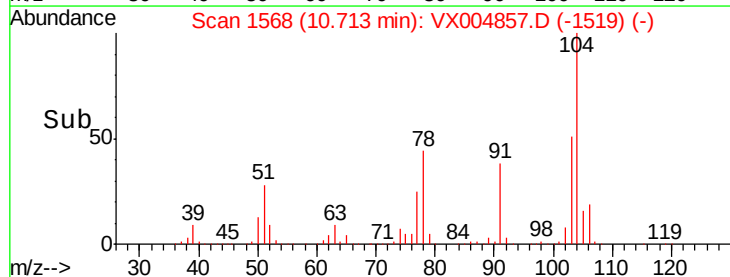
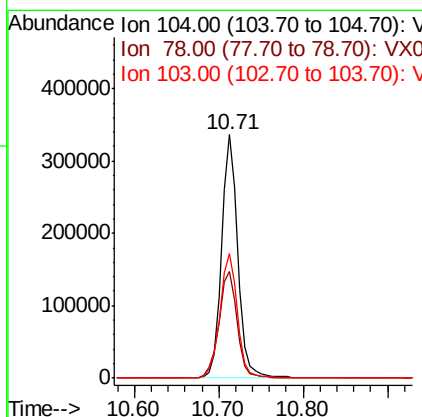
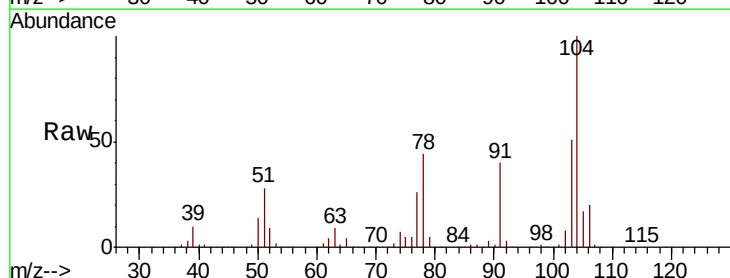
Manual Integrations  
APPROVED

MMDadoda  
10/1/2018 1:31:31 PM

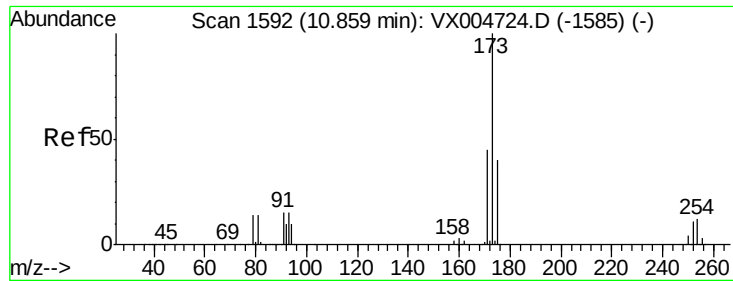


#70  
Styrene  
Concen: 49.838 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.4  | 37.4  | 56.0  |
| 103     | 55.6  | 43.8  | 65.6  |







#71

Bromoform

Concen: 50.786 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

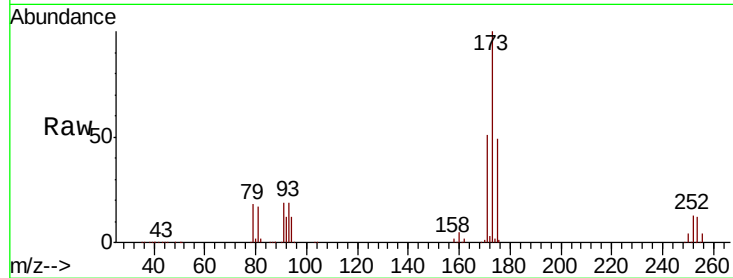
ClientSampleId :

VSTDCCC050EC

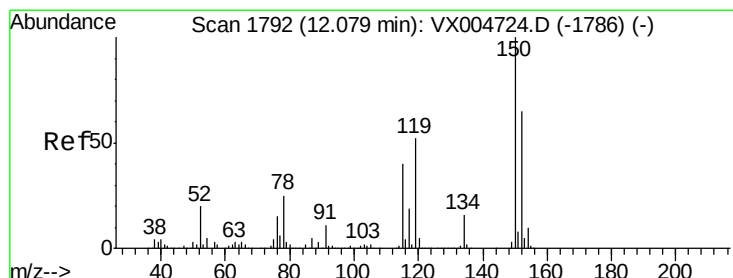
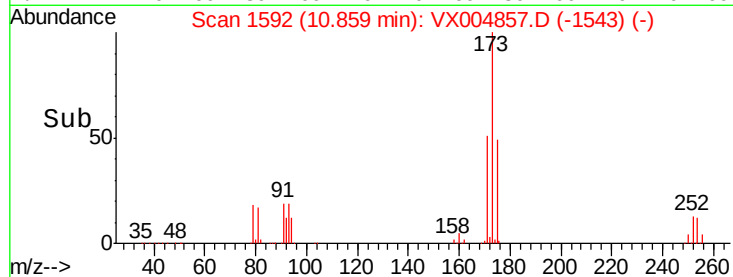
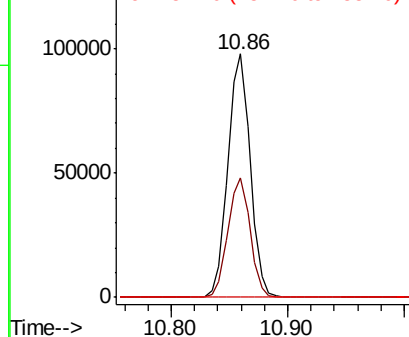
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 129684 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 49.0  | 24.1  | 72.3   |
| 254       | 0.2   | 0.2   | 0.2    |

Manual Integrations  
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

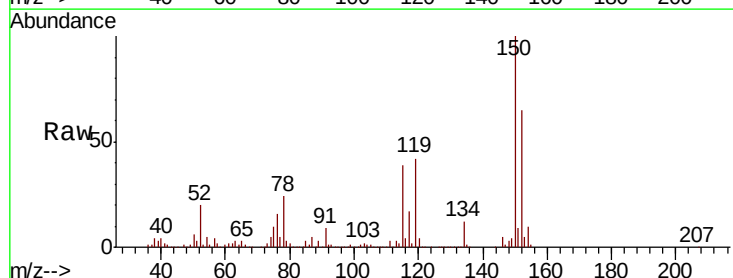
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

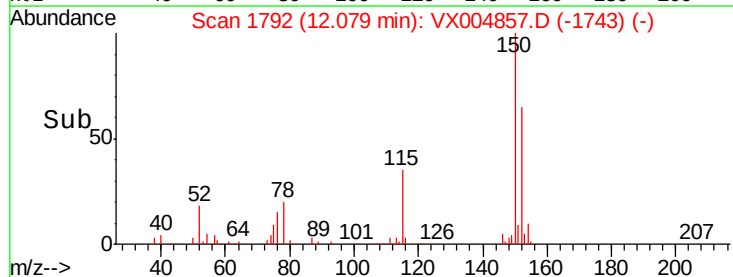
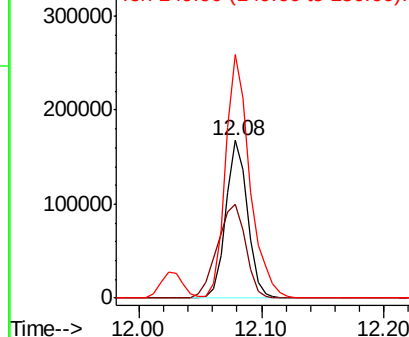
Lab File: VX004857.D

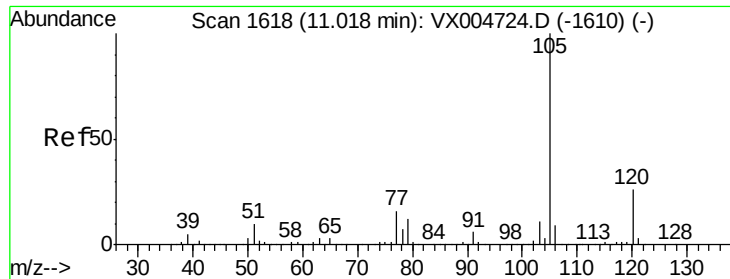
Acq: 29 Sep 2018 08:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 204646 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 79.2  | 39.0  | 117.0  |
| 150       | 173.2 | 0.0   | 351.0  |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.925 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 708488

Ion Ratio Lower Upper

105 100

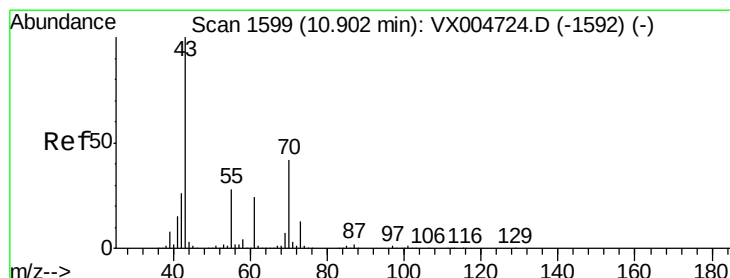
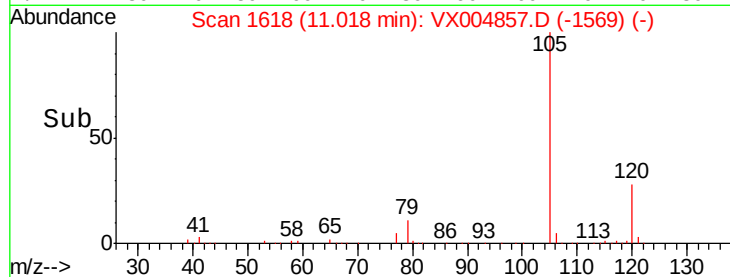
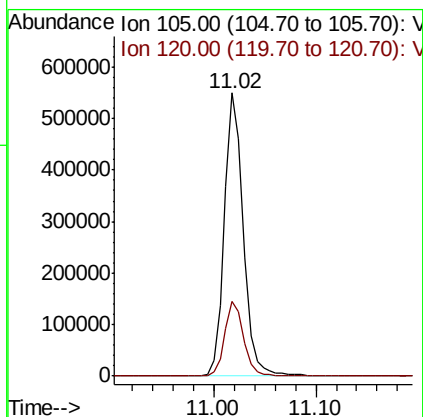
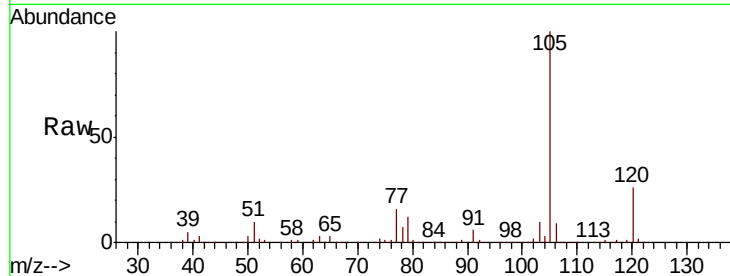
120 26.5 13.5 40.4

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#74

N-ethyl acetate

Concen: 49.308 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Tgt Ion: 43 Resp: 349411

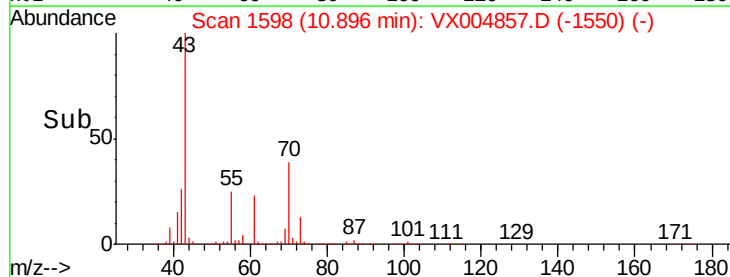
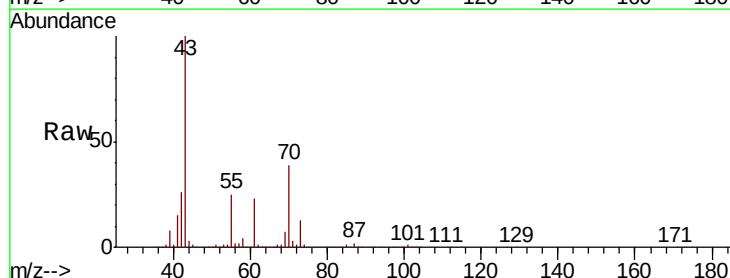
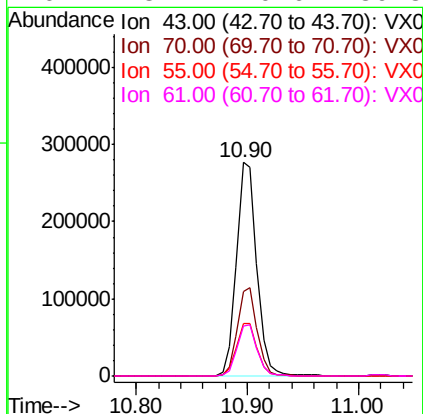
Ion Ratio Lower Upper

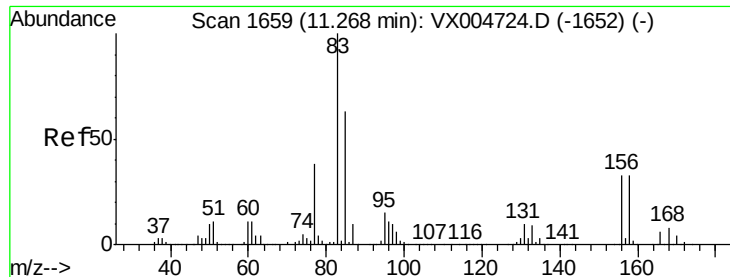
43 100

70 40.4 37.4 56.0

55 25.3 21.8 32.8

61 23.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.269 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

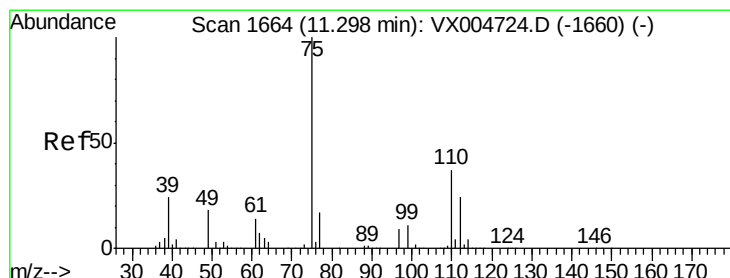
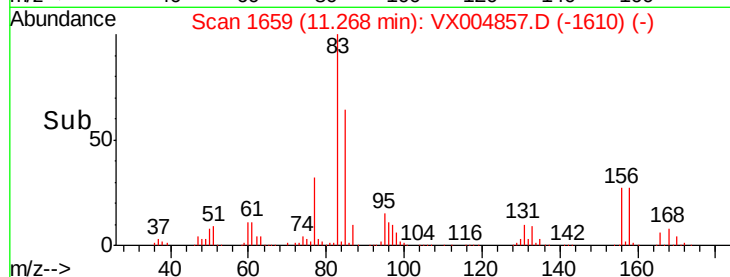
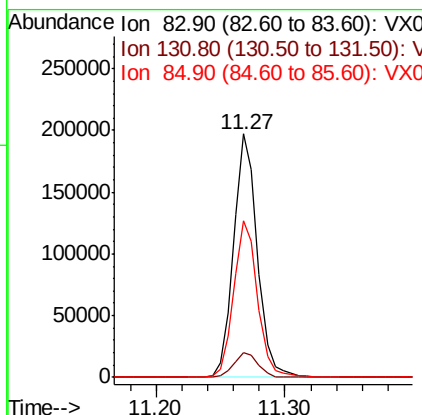
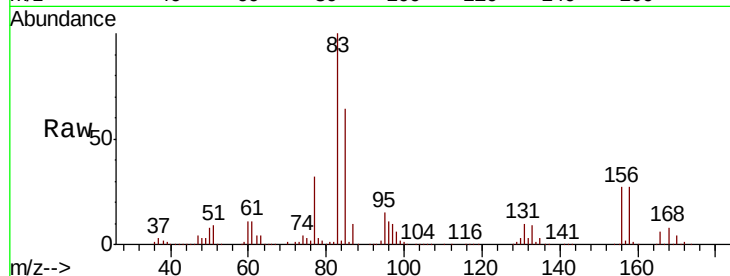
ClientSampled :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 253450 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.2  | 5.2   | 15.6   |
| 85        | 64.9  | 32.3  | 96.8   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 50.716 ug/l m

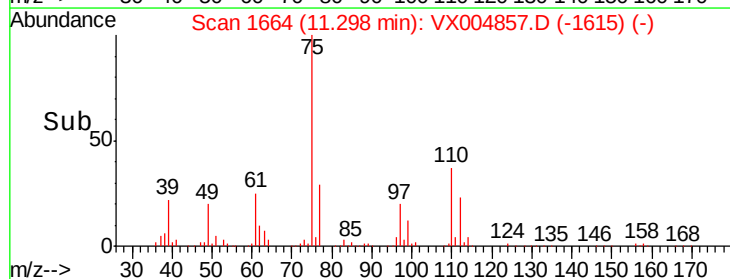
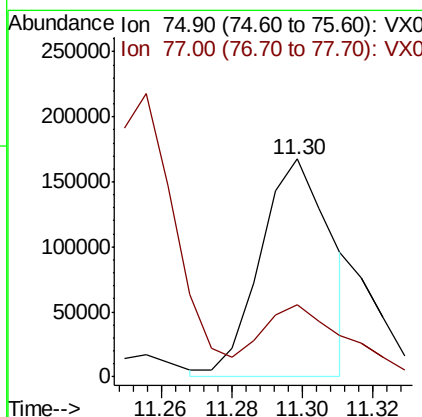
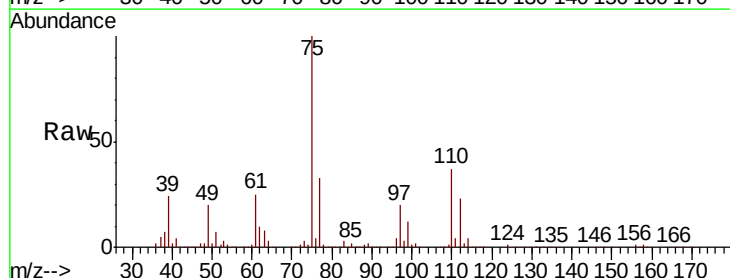
RT: 11.30 min Scan# 1664

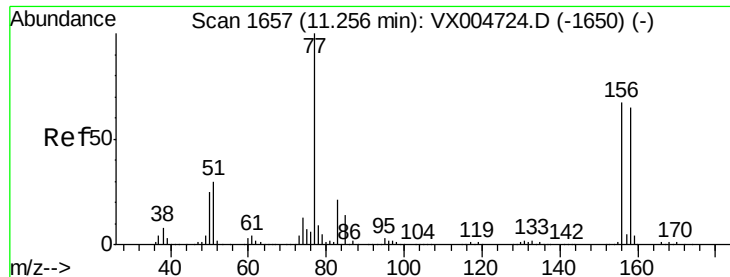
Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 232626 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 39.7  | 20.2  | 60.6   |





#77

Bromobenzene

Concen: 50.525 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

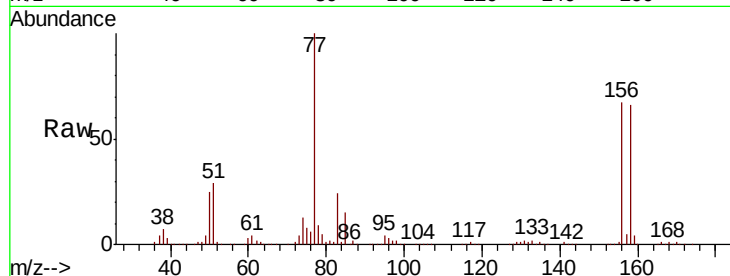
ClientSampleId :

VSTDCCC050EC

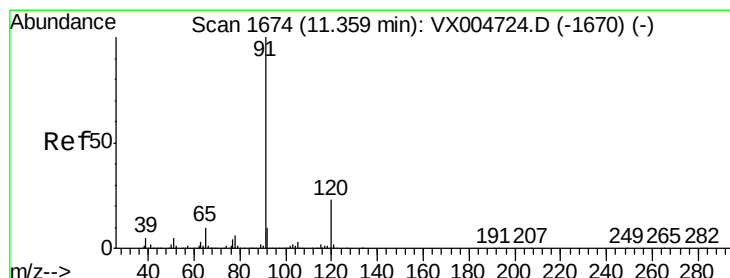
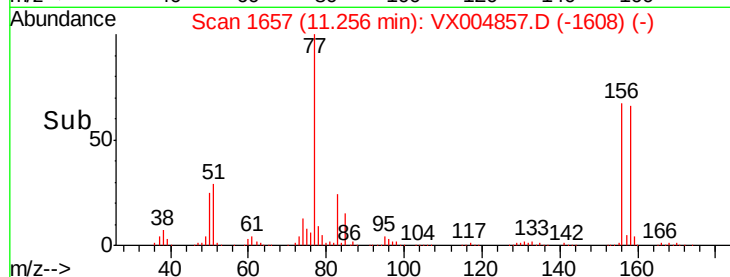
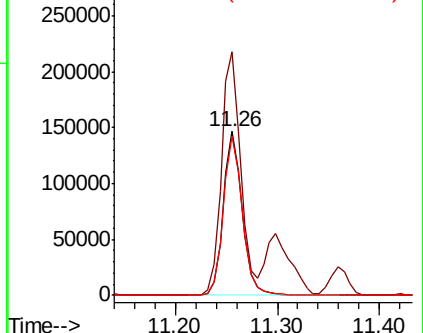
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 189299 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 151.1 | 71.5  | 214.3  |
| 158       | 98.1  | 48.9  | 146.8  |

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.293 ug/l

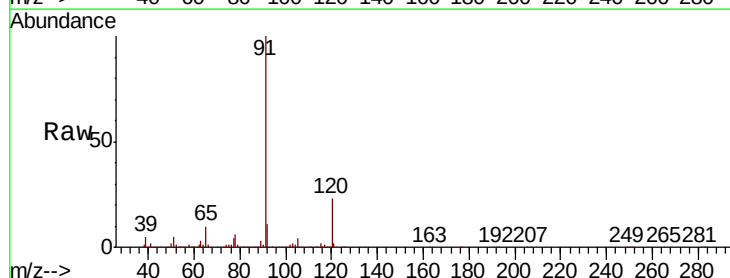
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

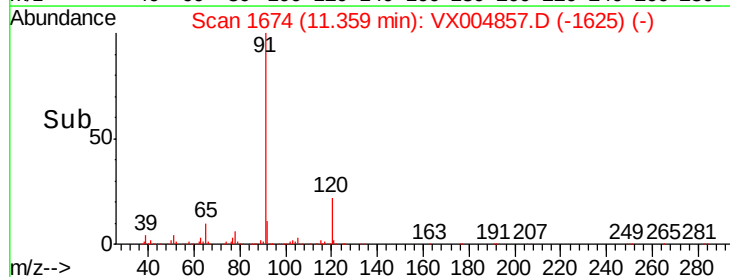
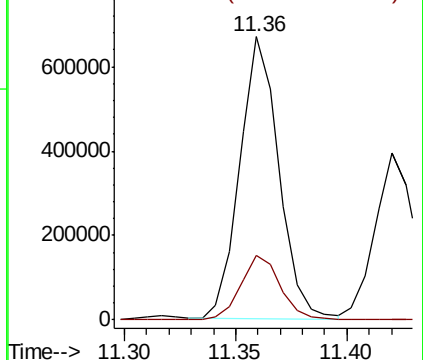
Lab File: VX004857.D

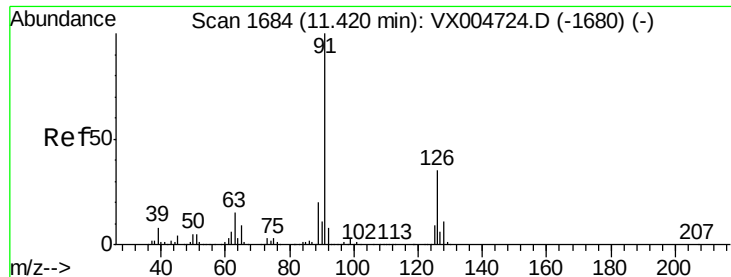
Acq: 29 Sep 2018 08:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 818354 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.3  | 11.9  | 35.9   |



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.003 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 488965

Ion Ratio Lower Upper

91 100

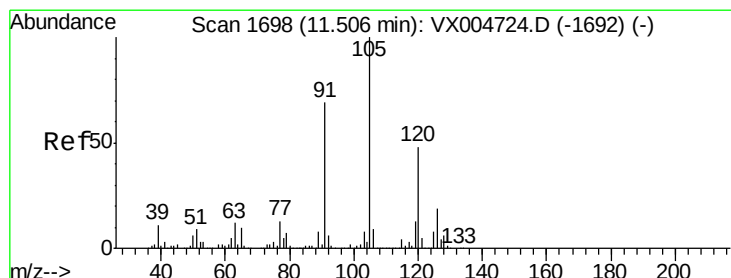
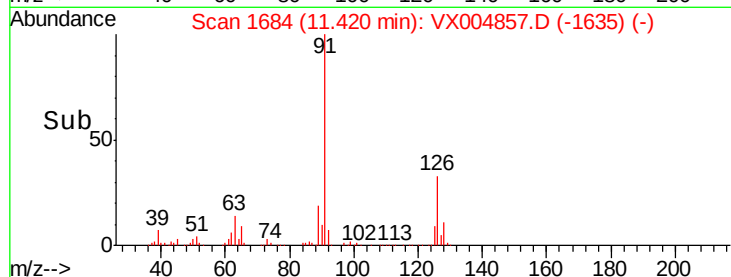
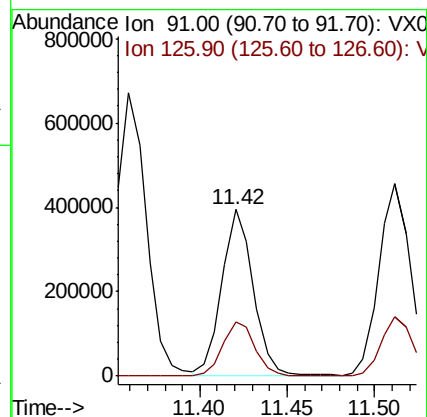
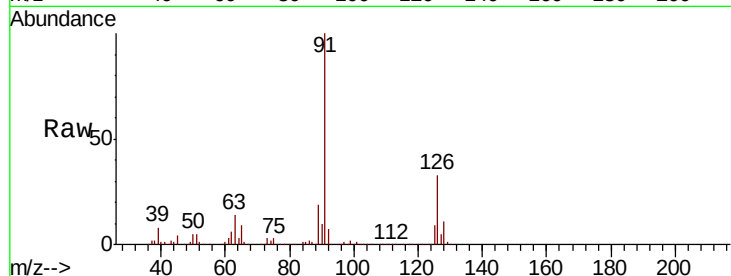
126 34.5 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.180 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004857.D

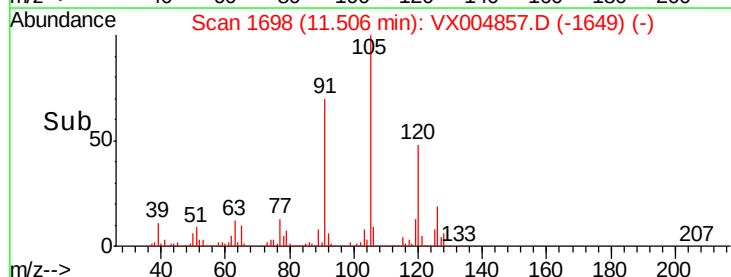
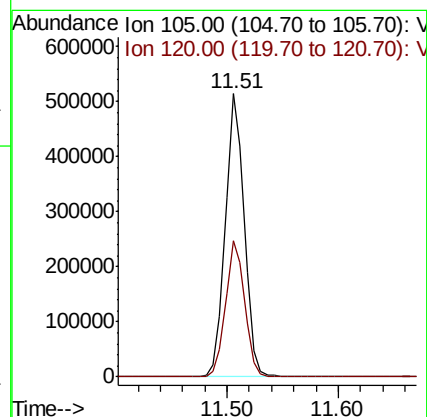
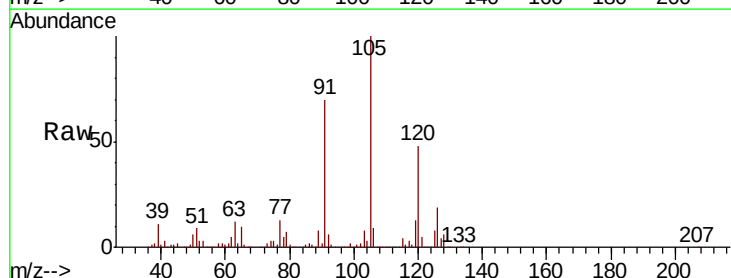
Acq: 29 Sep 2018 08:05

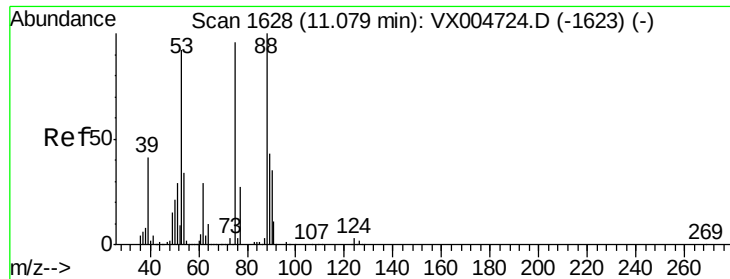
Tgt Ion: 105 Resp: 605020

Ion Ratio Lower Upper

105 100

120 48.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 38.349 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 63684

Ion Ratio Lower Upper

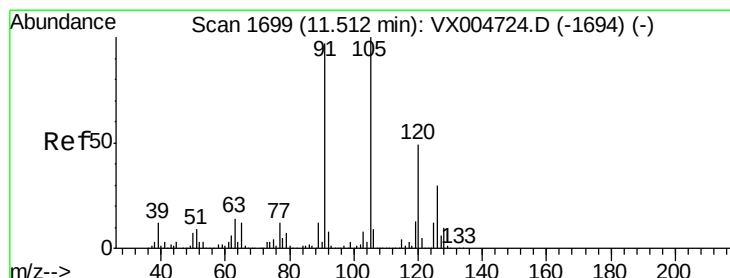
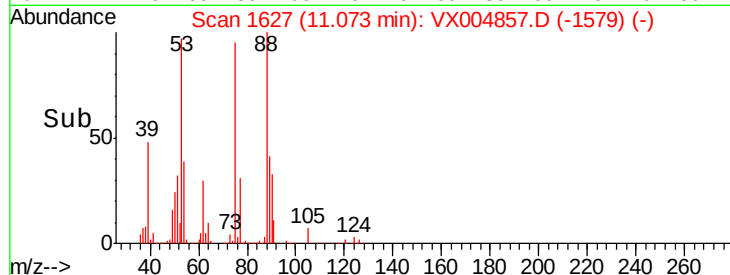
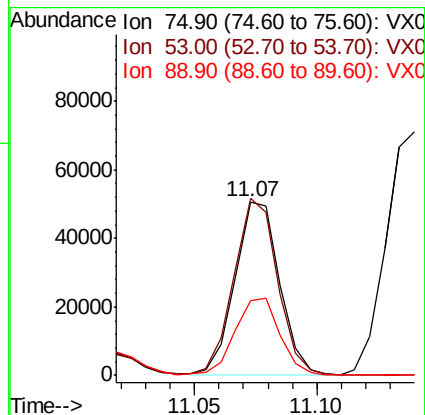
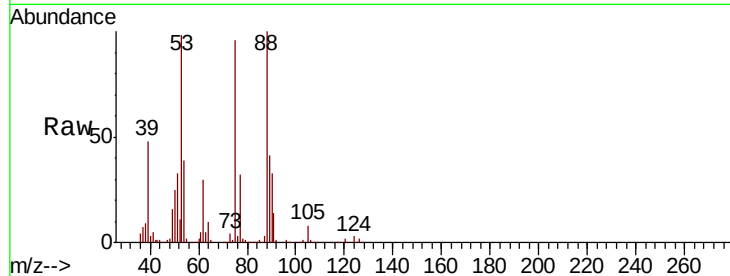
75 100

53 100.6 80.1 120.1

89 45.5 37.2 55.8

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#82

4-Chlorotoluene

Concen: 53.414 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004857.D

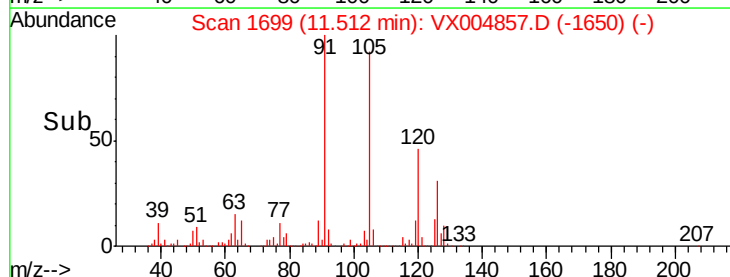
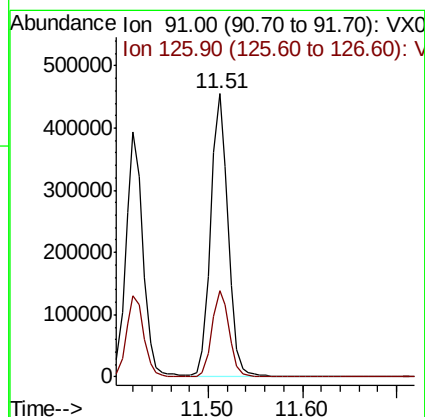
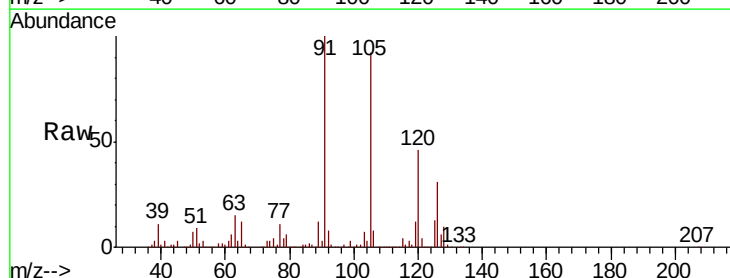
Acq: 29 Sep 2018 08:05

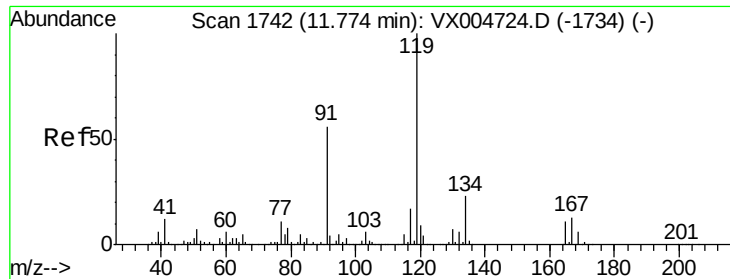
Tgt Ion: 91 Resp: 580002

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5





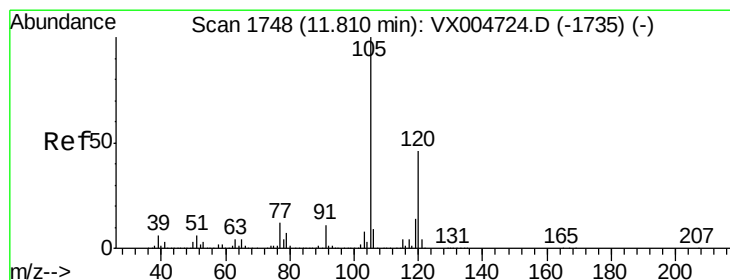
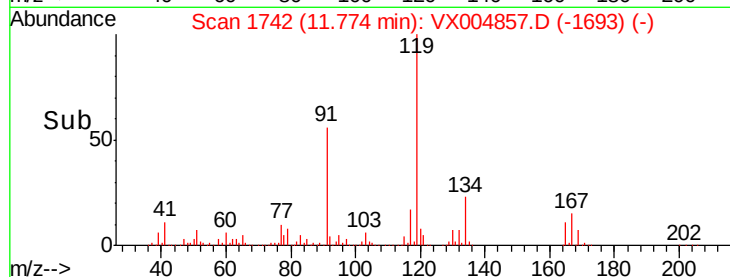
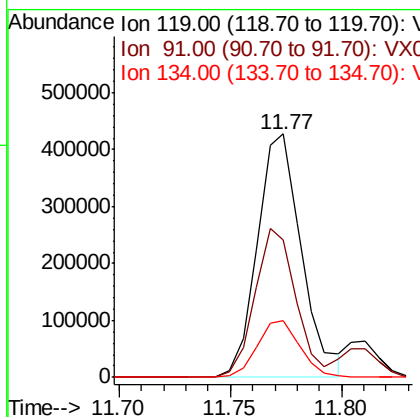
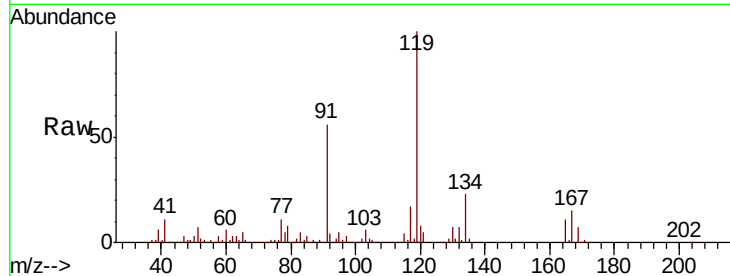
#83  
 tert-Butylbenzene  
 Concen: 55.653 ug/l  
 RT: 11.77 min Scan# 1742  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 56.4  | 27.0  | 81.0  |
| 134     | 22.7  | 11.7  | 35.1  |

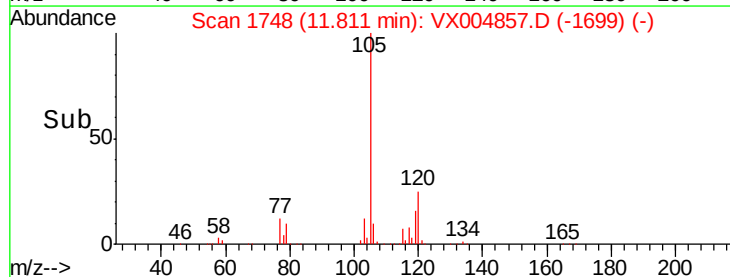
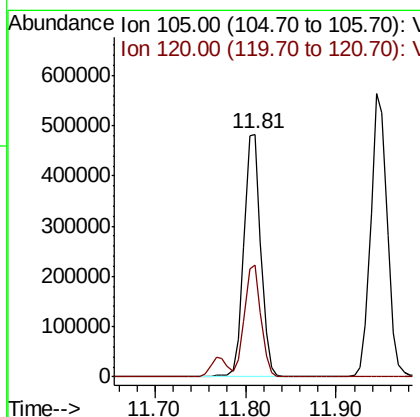
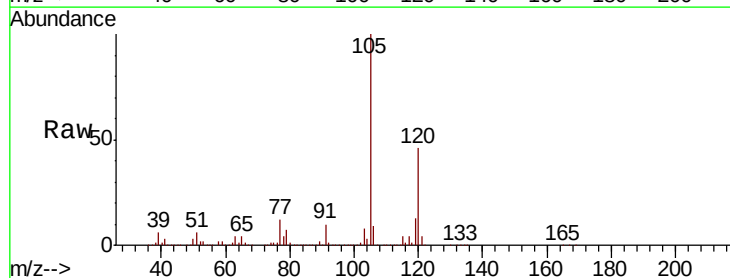
Manual Integrations  
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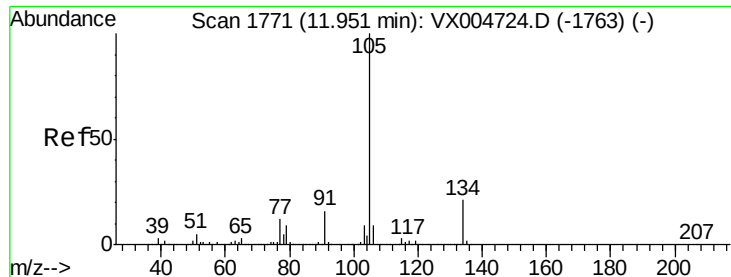
MMDadoda  
 10/1/2018 1:31:31 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.158 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.9  | 23.2  | 69.6  |





#85

sec-Butylbenzene

Concen: 55.013 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 711635

Ion Ratio Lower Upper

105 100

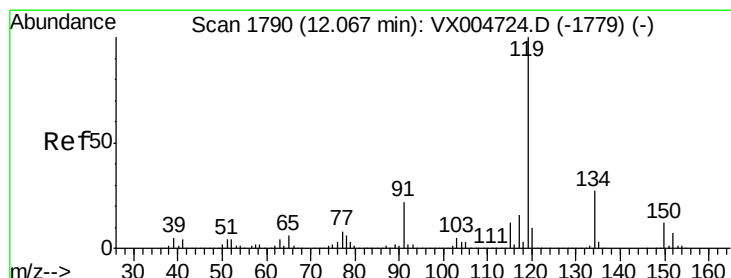
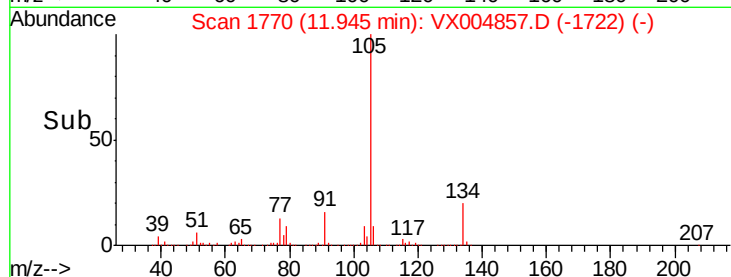
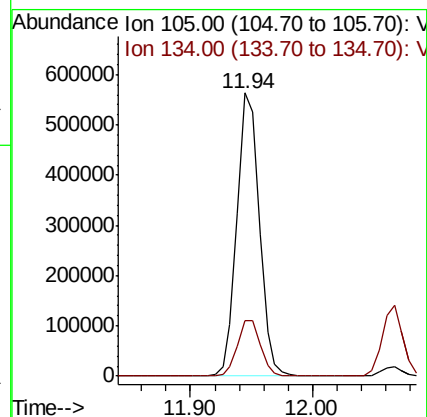
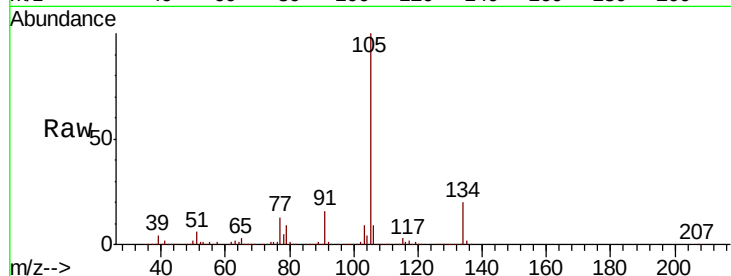
134 20.3 10.5 31.5

Manual Integrations

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10/1/2018 1:31:31 PM



#86

p-Isopropyltoluene

Concen: 54.563 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

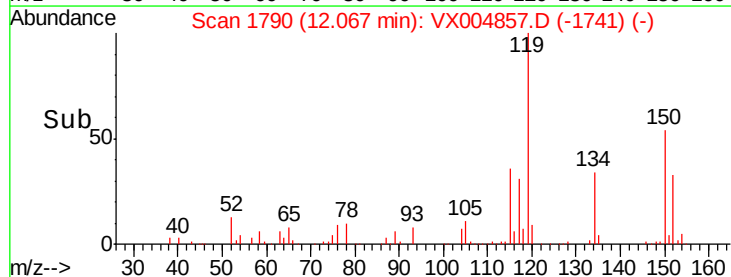
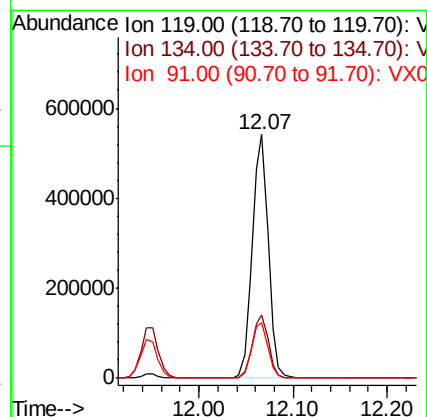
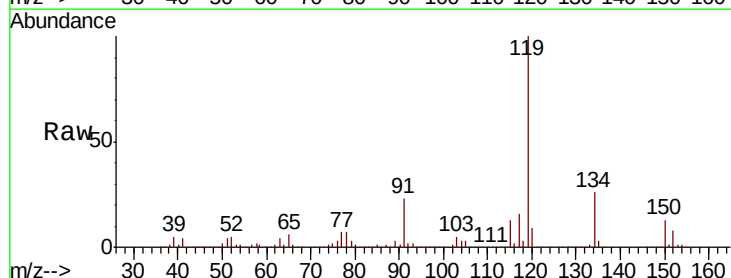
Tgt Ion:119 Resp: 639470

Ion Ratio Lower Upper

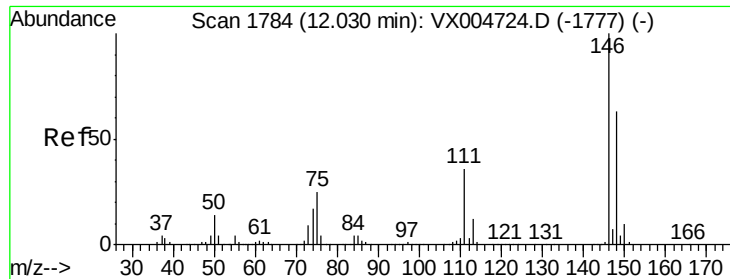
119 100

134 26.2 13.4 40.2

91 23.2 10.9 32.7







#87

1,3-Dichlorobenzene

Concen: 50.326 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

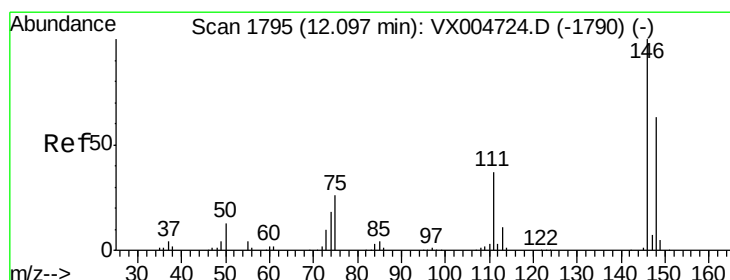
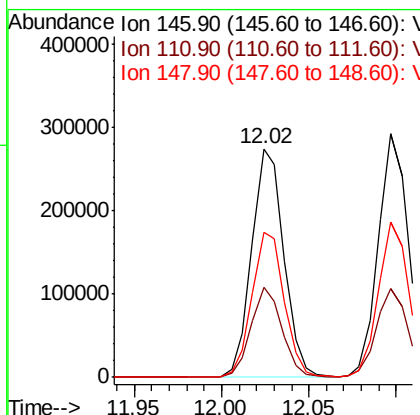
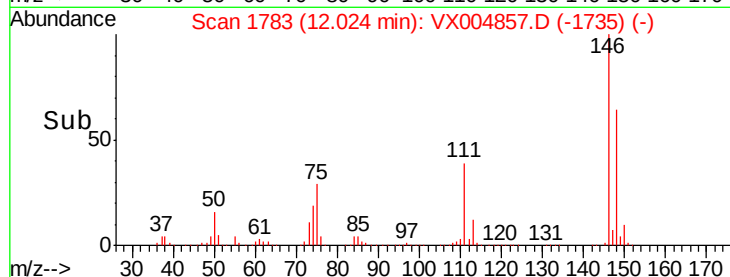
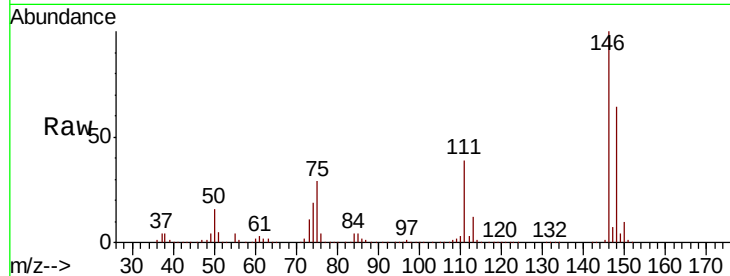
ClientSampled :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 352085 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.0  | 18.7  | 56.1   |
| 148       | 63.8  | 32.1  | 96.5   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 49.079 ug/l

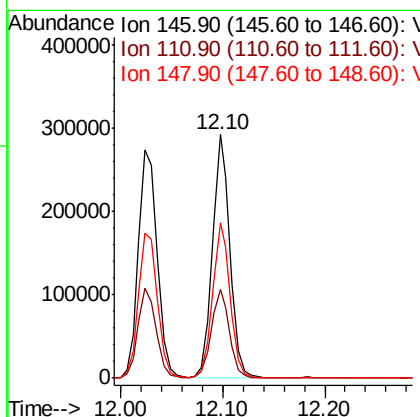
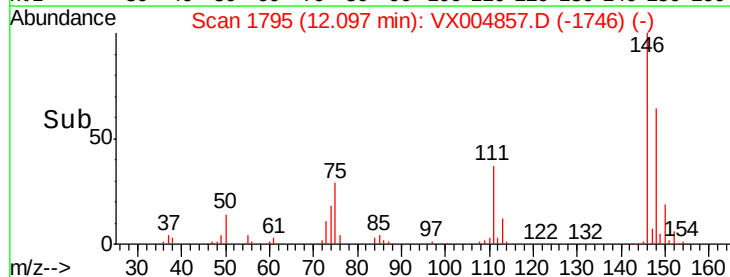
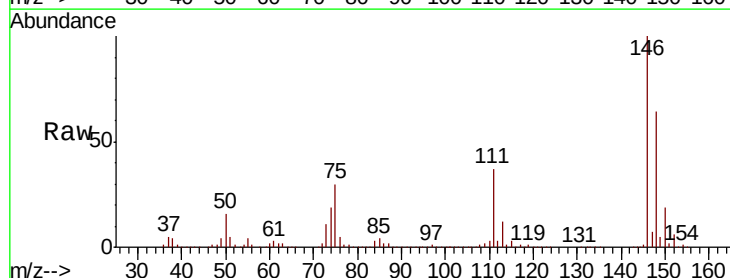
RT: 12.10 min Scan# 1795

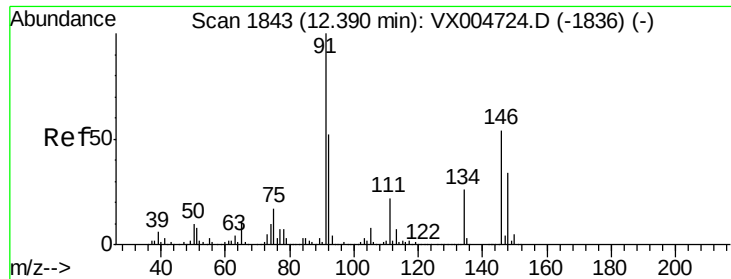
Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 354445 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.7  | 18.1  | 54.1   |
| 148       | 64.4  | 32.0  | 96.0   |





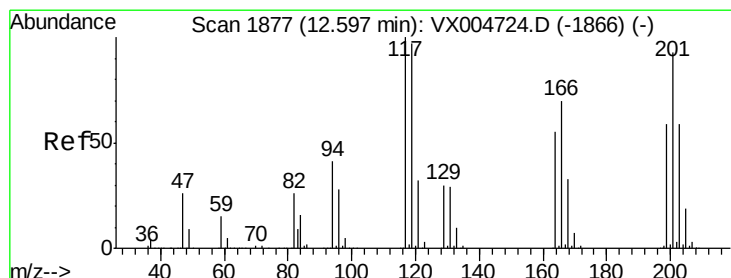
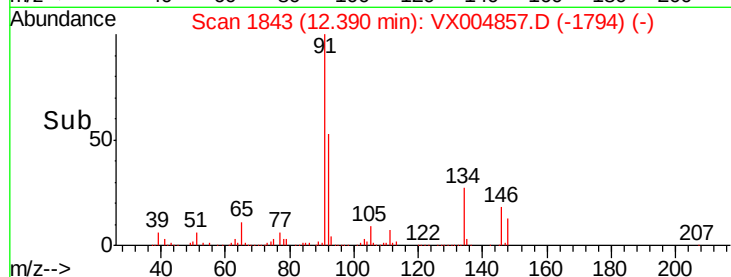
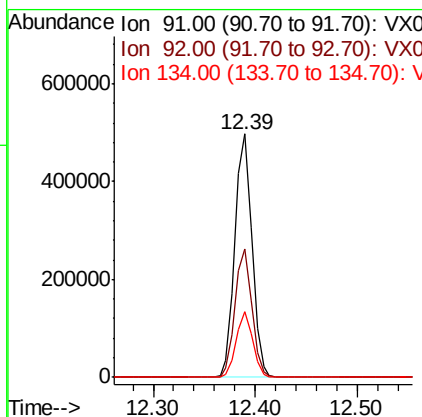
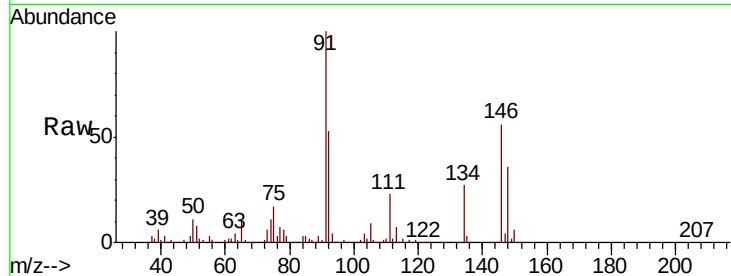
#89  
n-Butylbenzene  
Concen: 53.655 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 27.3  | 81.9  |
| 134     | 26.1  | 13.6  | 40.7  |

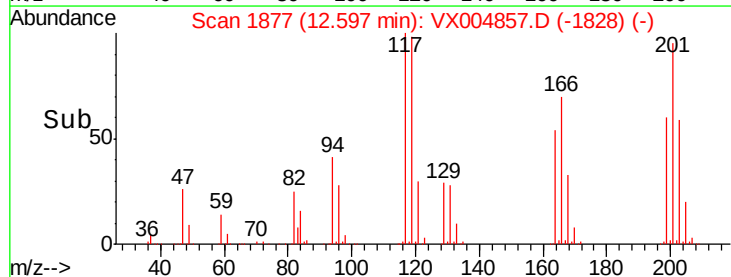
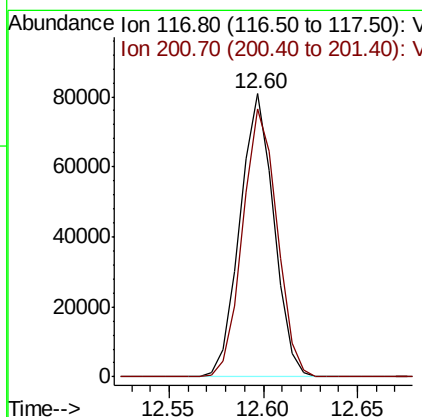
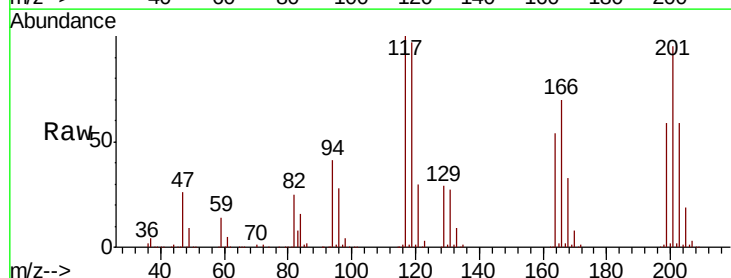
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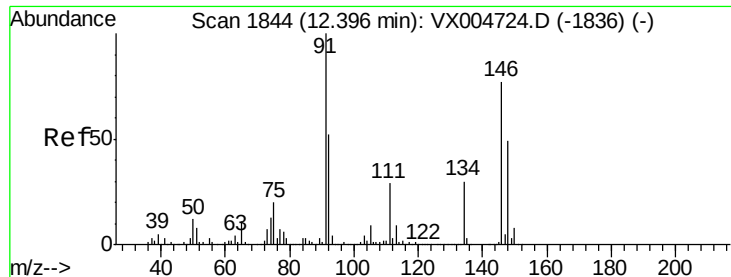
MMDadoda  
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#90  
Hexachloroethane  
Concen: 51.605 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 96.3  | 46.9  | 140.6 |





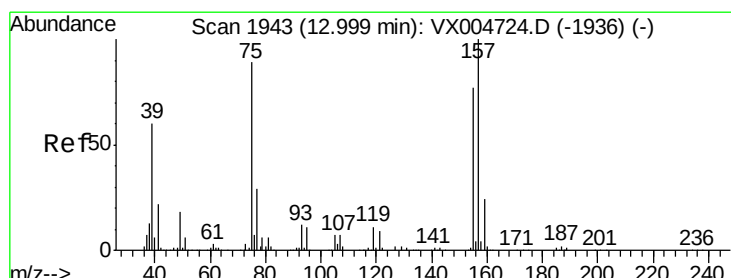
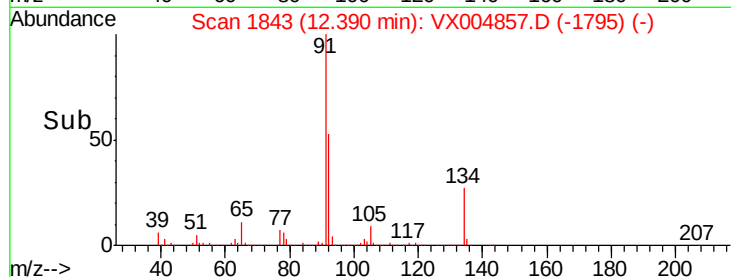
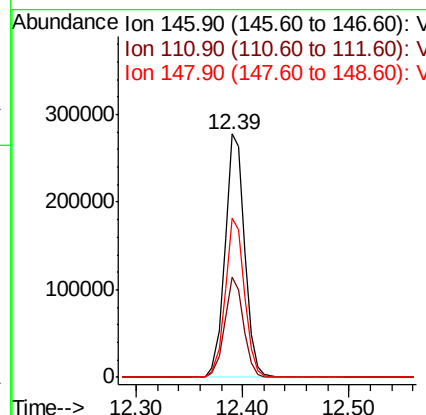
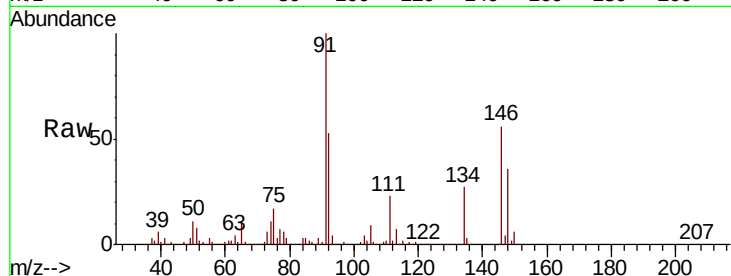
#91  
 1,2-Dichlorobenzene  
 Concen: 48.758 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.01 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 19.4  | 58.1  |
| 148     | 64.4  | 32.8  | 98.3  |

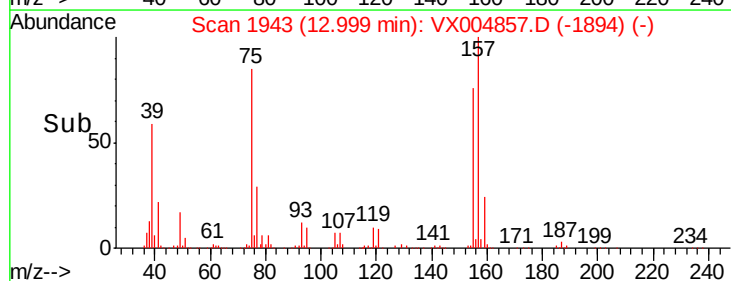
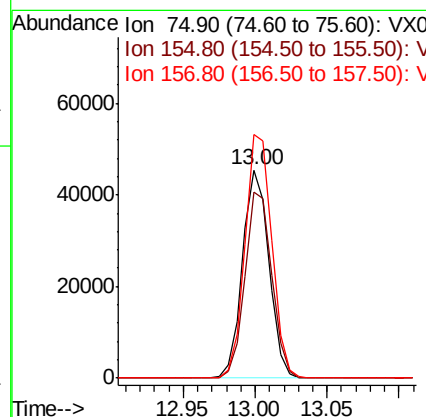
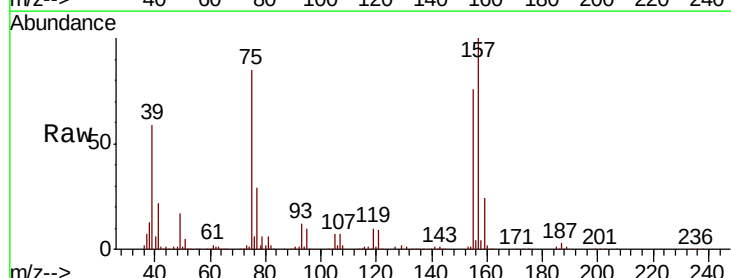
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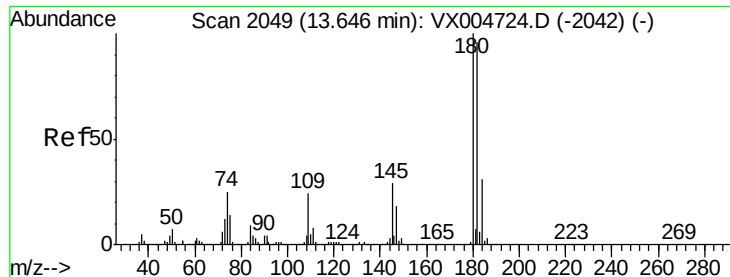
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.365 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX004857.D  
 Acq: 29 Sep 2018 08:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.1  | 48.0  | 144.2 |
| 157     | 117.9 | 61.4  | 184.1 |





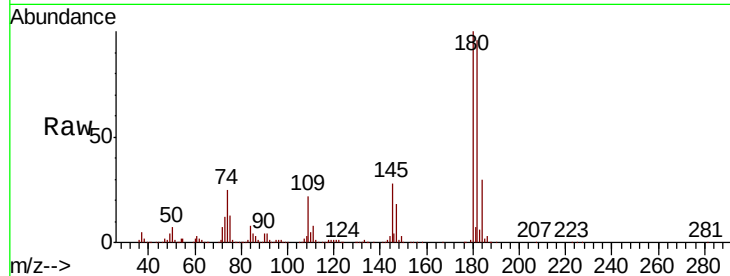
#93  
1,2,4-Trichlorobenzene  
Concen: 51.545 ug/l  
RT: 13.65 min Scan# 2049  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

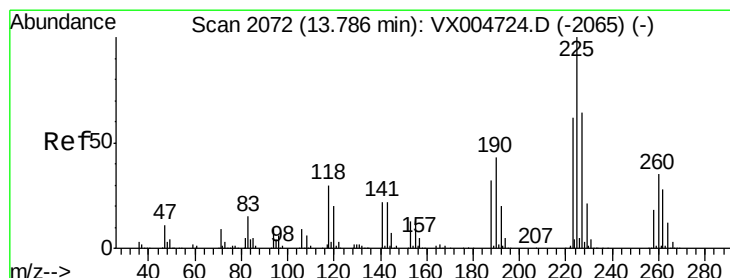
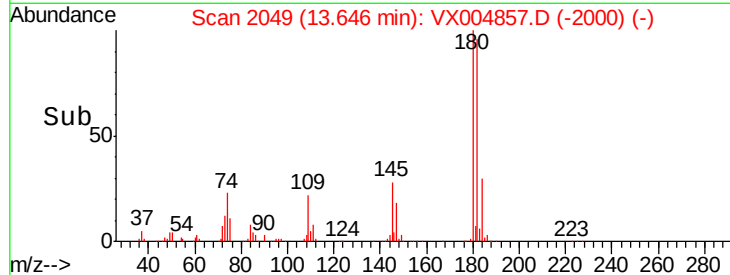
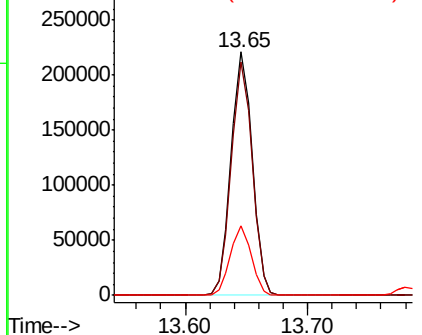
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 264358 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 48.4  | 145.0  |
| 145       | 28.4  | 14.3  | 42.9   |

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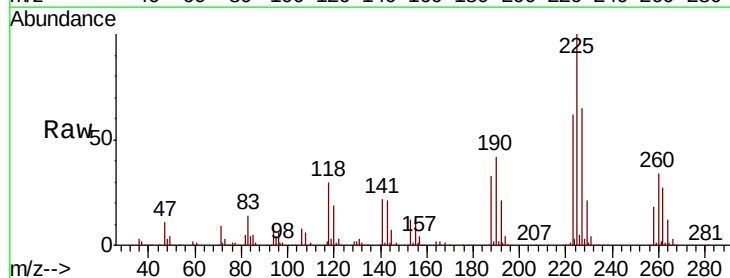


Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V

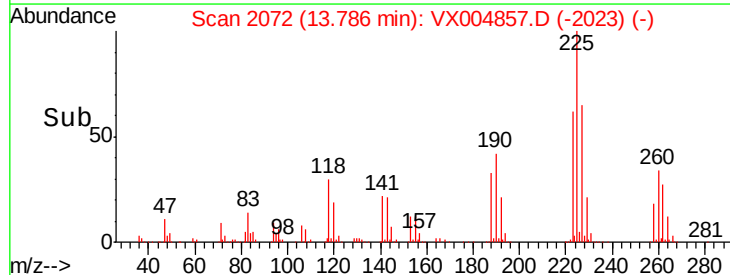
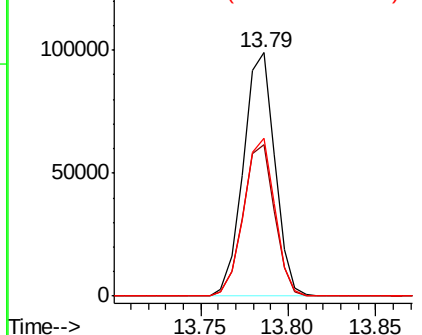


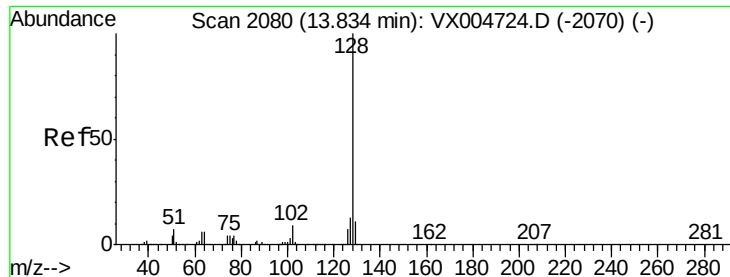
#94  
Hexachlorobutadiene  
Concen: 46.717 ug/l  
RT: 13.79 min Scan# 2072  
Delta R.T. 0.00 min  
Lab File: VX004857.D  
Acq: 29 Sep 2018 08:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 124244 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.0  | 30.1  | 90.5   |
| 227       | 64.0  | 30.8  | 92.4   |



Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.691 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

Instrument :

MSVOA\_X

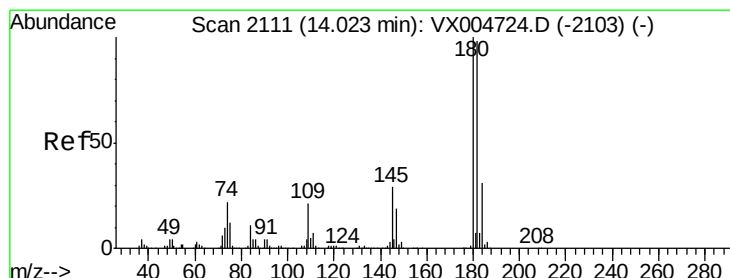
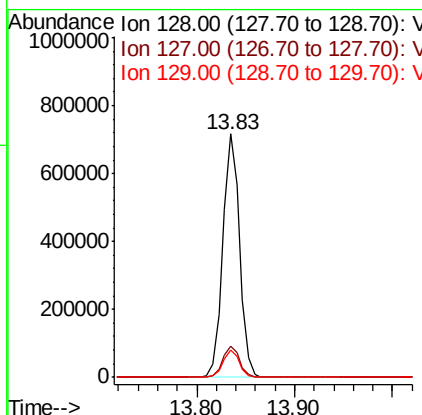
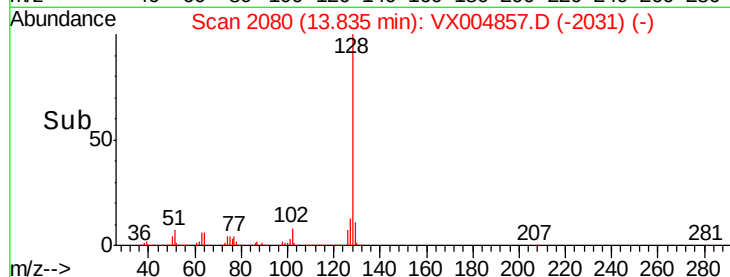
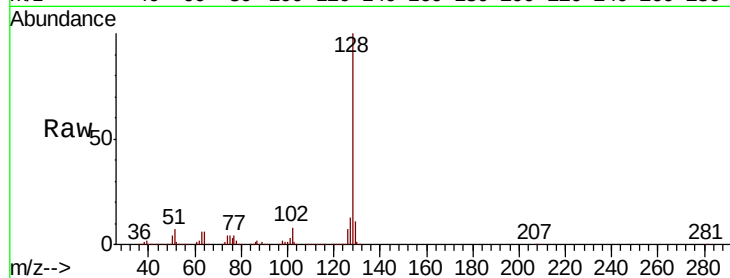
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 845782 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.2  | 15.2   |
| 129       | 11.0  | 8.6   | 12.8   |

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#96

1,2,3-Trichlorobenzene

Concen: 51.073 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX004857.D

Acq: 29 Sep 2018 08:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 270587 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 48.5  | 145.6  |
| 145       | 29.7  | 14.9  | 44.9   |

