

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092719\  
 Data File : VX012693.D  
 Acq On : 27 Sep 2019 14:18  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/30/2019 8:24:31 AM

Quant Time: Sep 28 04:23:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 198870   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 340808   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 301379   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 144325   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 143434   | 49.53 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.06%  |       |
| 35) Dibromofluoromethane  | 5.48   | 113 | 108041   | 53.23 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.46% |       |
| 50) Toluene-d8            | 8.71   | 98  | 410444   | 52.51 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.02% |       |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 164801   | 53.62 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.24% |       |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 108135  | 48.334  | ug/l | 97     |
| 3) Chloromethane              | 1.32 | 50  | 114923  | 44.735  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 123101  | 48.209  | ug/l | 99     |
| 5) Bromomethane               | 1.63 | 94  | 47515   | 47.327  | ug/l | 94     |
| 6) Chloroethane               | 1.71 | 64  | 77278   | 44.893  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 176598  | 49.259  | ug/l | 99     |
| 8) Diethyl Ether              | 2.17 | 74  | 72274   | 49.193  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 104273  | 47.752  | ug/l | 96     |
| 10) Methyl Iodide             | 2.50 | 142 | 103254  | 45.392  | ug/l | 93     |
| 11) Tert butyl alcohol        | 3.03 | 59  | 156901  | 216.887 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 98818   | 46.216  | ug/l | 97     |
| 13) Acrolein                  | 2.28 | 56  | 24500   | 68.540  | ug/l | 92     |
| 14) Allyl chloride            | 2.72 | 41  | 204758  | 48.267  | ug/l | 98     |
| 15) Acrylonitrile             | 3.12 | 53  | 340169  | 231.774 | ug/l | 99     |
| 16) Acetone                   | 2.43 | 43  | 349408  | 227.788 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 272719  | 45.496  | ug/l | 98     |
| 18) Methyl Acetate            | 2.76 | 43  | 163907  | 45.380  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 394981  | 48.803  | ug/l | 97     |
| 20) Methylene Chloride        | 2.84 | 84  | 122805  | 47.334  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 114659  | 48.403  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.84 | 45  | 398312  | 48.592  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.80 | 43  | 1753577 | 243.943 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.68 | 63  | 216440  | 48.576  | ug/l | 100    |
| 25) 2-Butanone                | 4.65 | 43  | 506740  | 230.398 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 194641  | 49.116  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 133353  | 48.517  | ug/l | 95     |
| 28) Bromochloromethane        | 5.00 | 49  | 90518   | 55.949  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.11 | 42  | 302755  | 225.844 | ug/l | 97     |
| 30) Chloroform                | 5.19 | 83  | 219609  | 48.175  | ug/l | 99     |
| 31) Cyclohexane               | 5.56 | 56  | 197784  | 49.066  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 195945  | 48.499  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.78 | 75  | 163942  | 49.906  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.81 | 43  | 182929  | 47.631  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 166508  | 49.897  | ug/l | 99     |

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 Sample : VSTDCCC050  
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/30/2019 8:24:31 AM

Quant Time: Sep 28 04:23:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 201491   | 50.949  | ug/l   | 99       |
| 40) Benzene                    | 6.13  | 78   | 482255   | 49.895  | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.02  | 41   | 102462   | 47.550  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 179819   | 48.992  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 305751   | 47.606  | ug/l   | 98       |
| 44) Trichloroethene            | 7.20  | 130  | 124322   | 50.314  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 123649   | 49.968  | ug/l   | 100      |
| 46) Dibromomethane             | 7.65  | 93   | 82589    | 49.019  | ug/l   | 96       |
| 47) Bromodichloromethane       | 7.89  | 83   | 169948   | 50.469  | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.76  | 41   | 149138   | 48.428  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 66482    | 951.774 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 932857   | 235.300 | ug/l   | 96       |
| 52) Toluene                    | 8.78  | 92   | 305617   | 50.309  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 193002   | 51.803  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 208854   | 51.343  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 122039   | 50.530  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 203773   | 50.221  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 212080   | 50.173  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 475733   | 261.204 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 722657   | 238.138 | ug/l   | 95       |
| 60) Dibromochloromethane       | 9.57  | 129  | 127995   | 52.353  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 128738   | 51.218  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 110027   | 52.362  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.13 | 112  | 318325   | 50.158  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 117728   | 51.198  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 596786   | 51.846  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.35 | 106  | 448028   | 103.904 | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 214438   | 51.395  | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 374939   | 53.604  | ug/l   | 98       |
| 71) Bromoform                  | 10.85 | 173  | 84616    | 52.848  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.01 | 105  | 584082   | 49.689  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 271942   | 48.493  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 185466   | 47.641  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 160003m  | 41.910  | ug/l   |          |
| 77) Bromobenzene               | 11.25 | 156  | 129910   | 48.830  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.35 | 91   | 679876   | 51.374  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 401633   | 48.650  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 494315   | 50.147  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 65098    | 48.865  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 461969   | 49.089  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 472692   | 49.711  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 498853   | 50.167  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 565430   | 51.125  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 523622   | 52.470  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 244903   | 51.152  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 245134   | 50.669  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 463863   | 52.749  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.59 | 117  | 89130    | 50.097  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 239556   | 49.978  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 46054    | 47.292  | ug/l   | 98       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092719\  
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Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

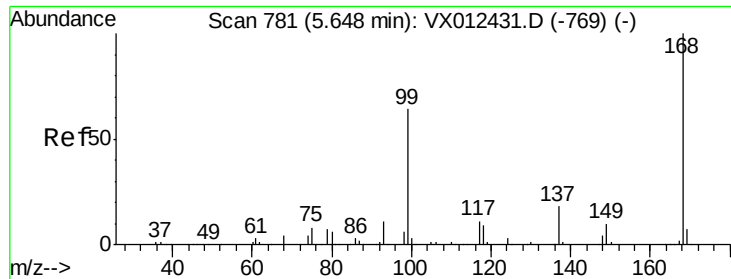
MMDadoda  
9/30/2019 8:24:31 AM

Quant Time: Sep 28 04:23:43 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 156164   | 53.423 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 70384    | 55.969 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 547347   | 51.753 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 158296   | 54.059 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 198870

Ion Ratio Lower Upper

168 100

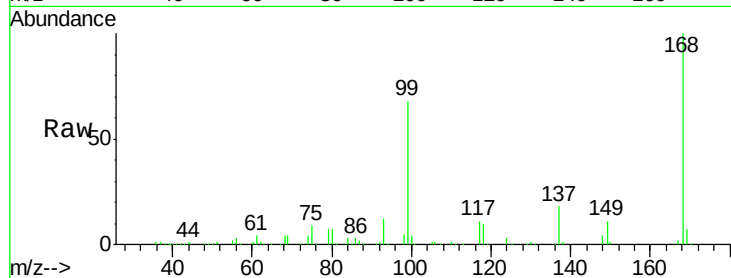
99 67.5 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

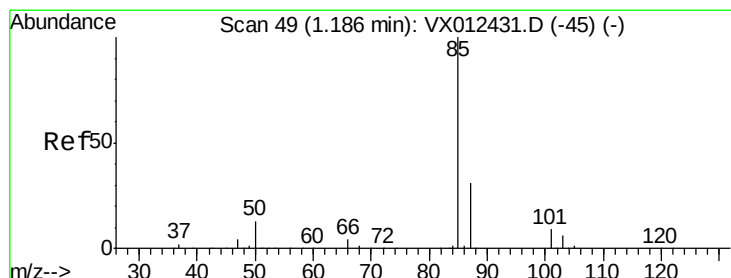
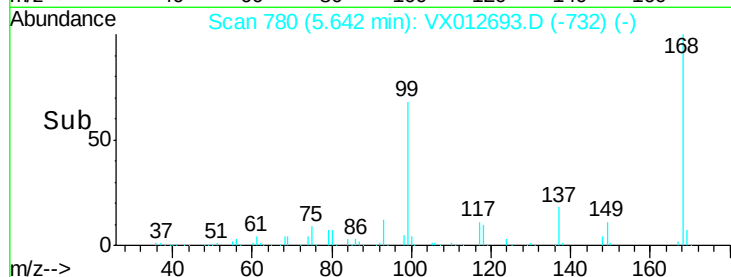
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.334 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012693.D

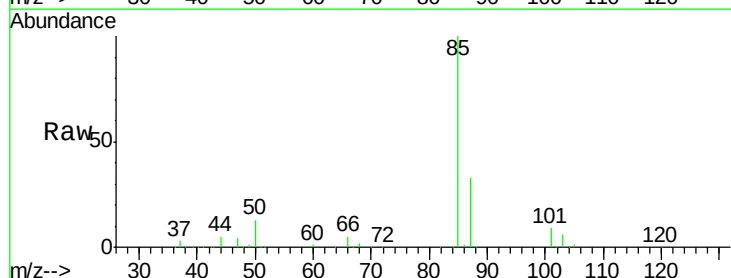
Acq: 27 Sep 2019 14:18

Tgt Ion: 85 Resp: 108135

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

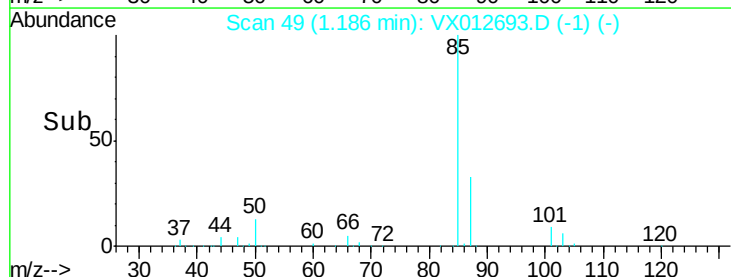
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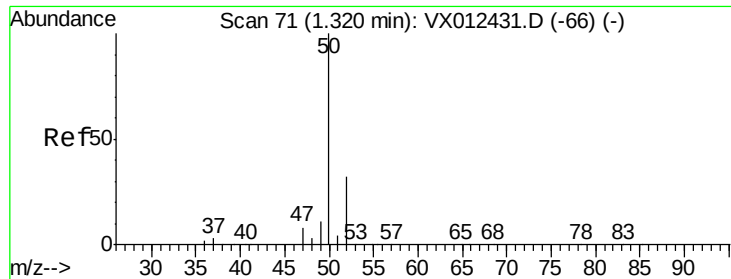
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.735 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 114923

Ion Ratio Lower Upper

50 100

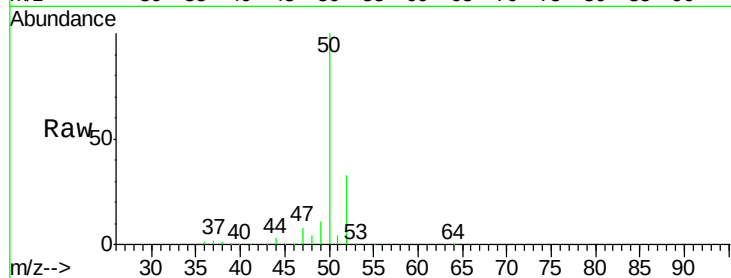
52 33.5 25.7 38.5

Manual Integrations

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9/30/2019 8:24:31 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

40000

20000

0

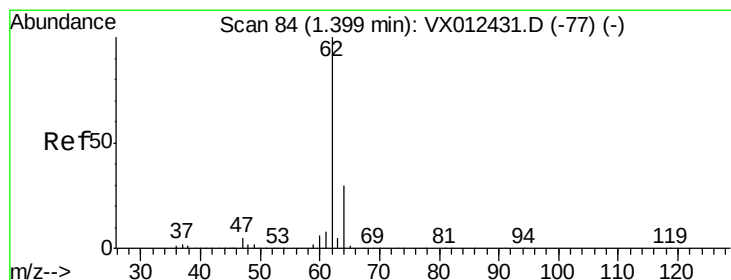
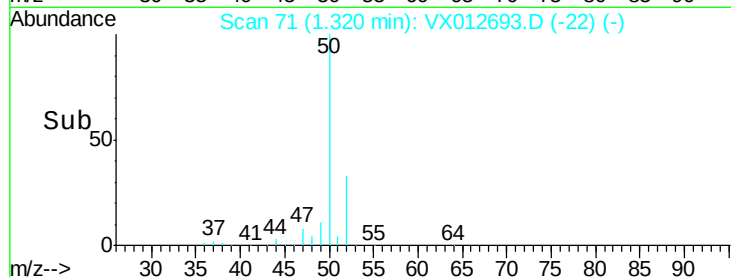
1.25

1.30

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 48.209 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012693.D

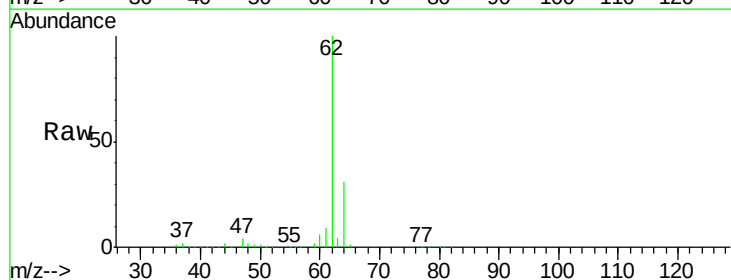
Acq: 27 Sep 2019 14:18

Tgt Ion: 62 Resp: 123101

Ion Ratio Lower Upper

62 100

64 30.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

50000

0

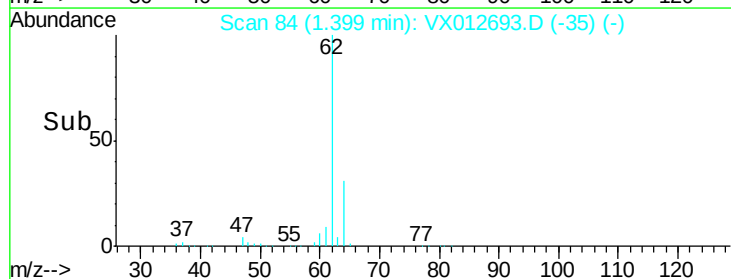
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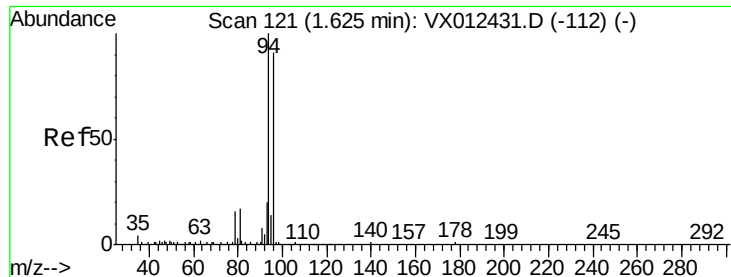
1.40

1.45

1.50

Time-->





#5

Bromomethane

Concen: 47.327 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 47515

Ion Ratio Lower Upper

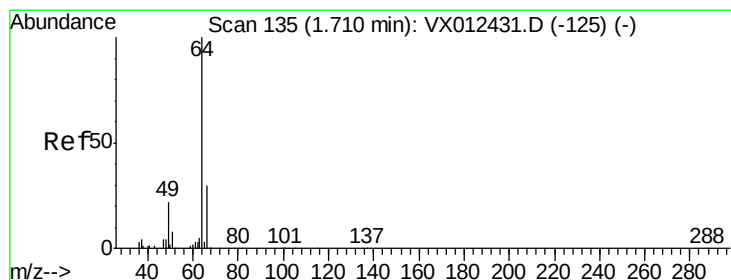
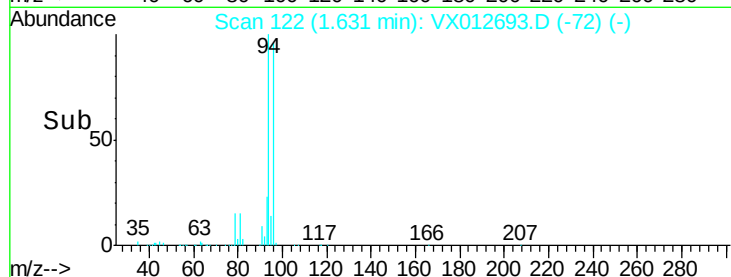
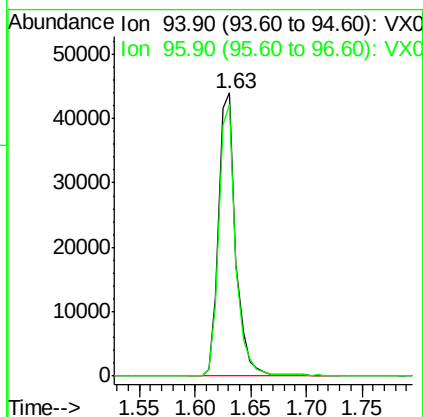
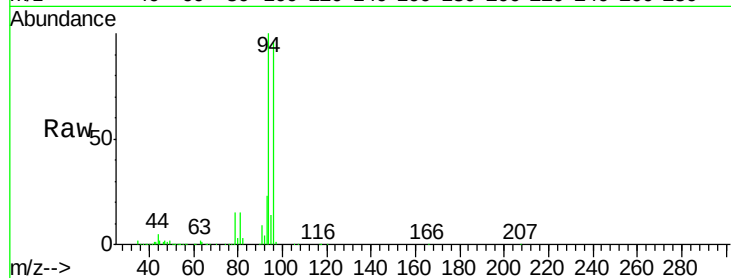
94 100

96 96.2 72.8 109.2

Manual Integrations  
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9/30/2019 8:24:31 AM



#6

Chloroethane

Concen: 44.893 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012693.D

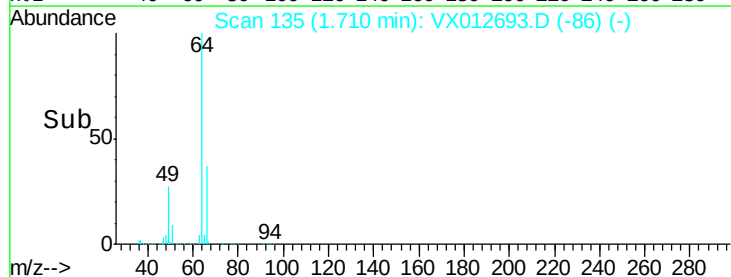
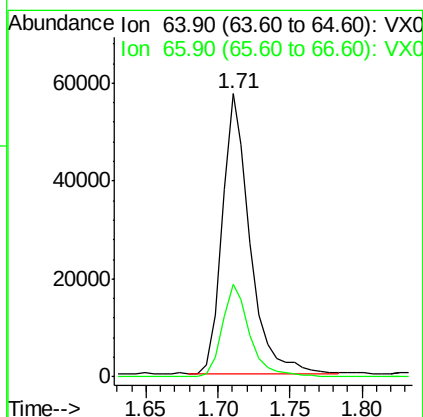
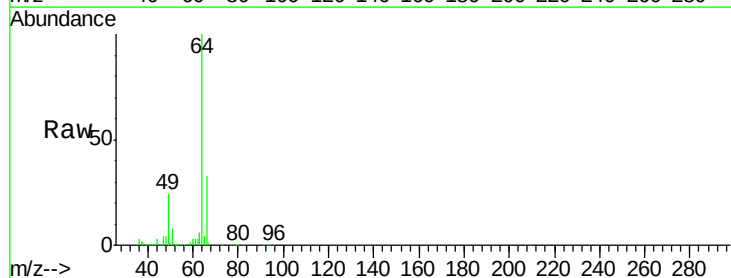
Acq: 27 Sep 2019 14:18

Tgt Ion: 64 Resp: 77278

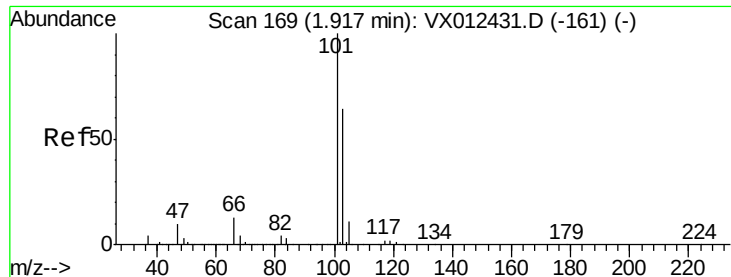
Ion Ratio Lower Upper

64 100

66 32.8 24.0 36.0







#7

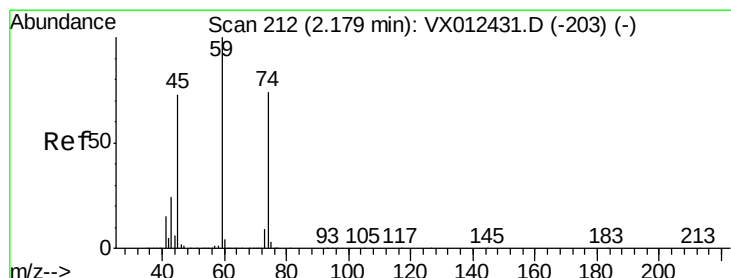
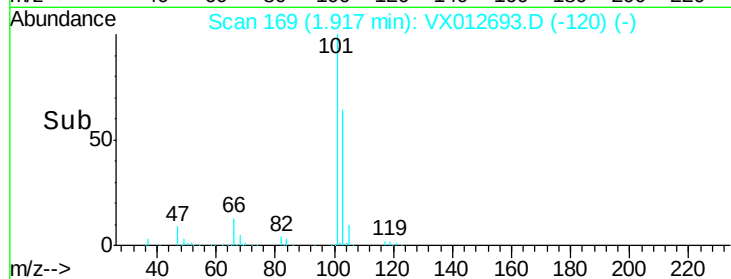
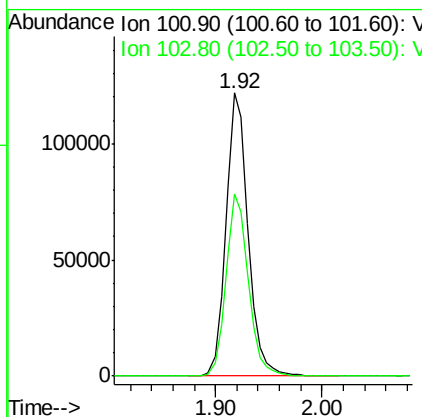
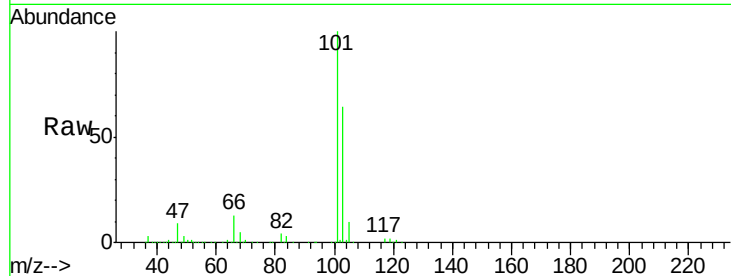
Trichlorofluoromethane  
Concen: 49.259 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
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ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 176598 |       |       |
| 103     | 64.4  | 51.0   | 76.4  |       |

Manual Integrations  
APPROVED

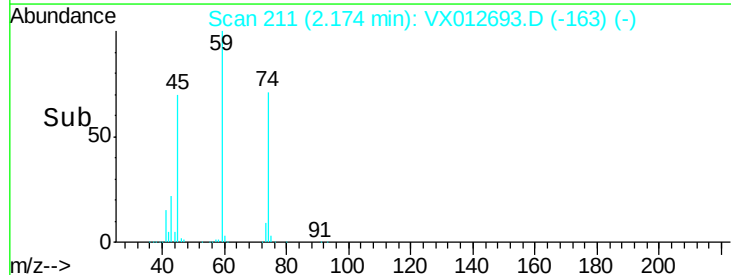
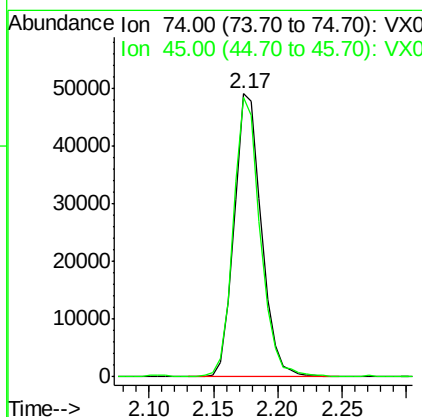
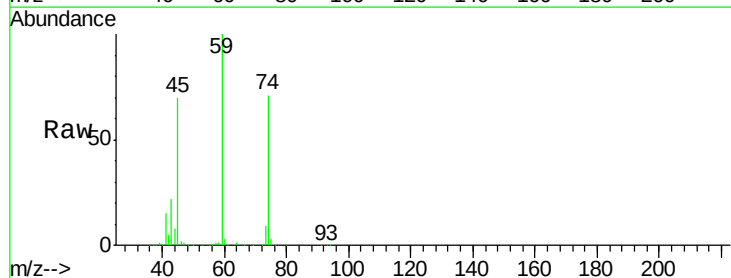
MMDadoda  
9/30/2019 8:24:31 AM



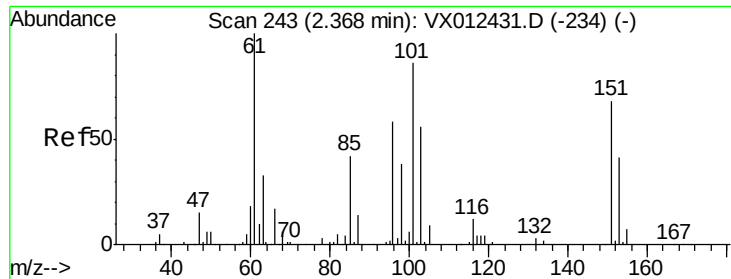
#8

Diethyl Ether  
Concen: 49.193 ug/l  
RT: 2.17 min Scan# 211  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 72274 |       |       |
| 45      | 96.9  | 49.9  | 149.7 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.752 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

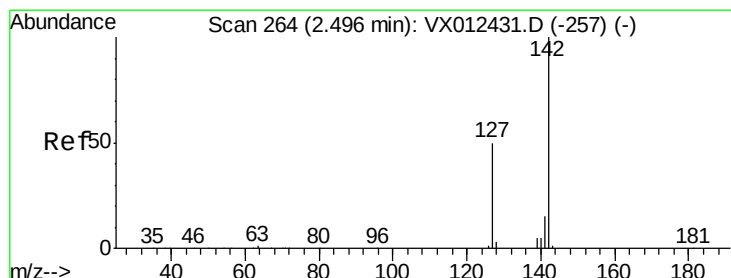
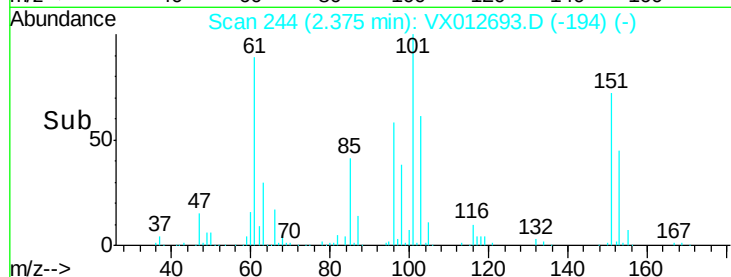
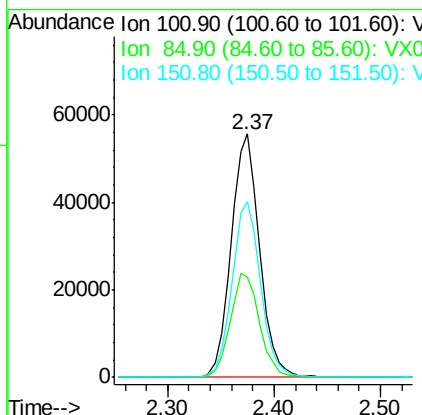
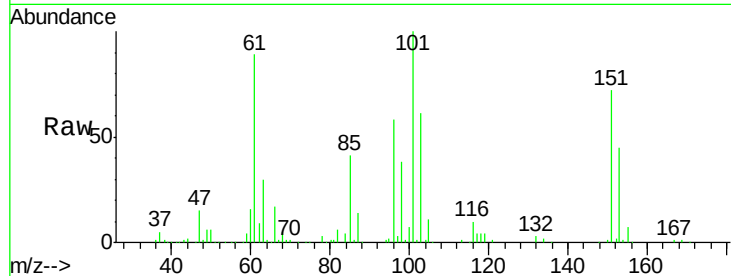
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 104273 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.9  | 37.3  | 55.9   |
| 151       | 72.6  | 61.0  | 91.4   |

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#10

Methyl Iodide

Concen: 45.392 ug/l

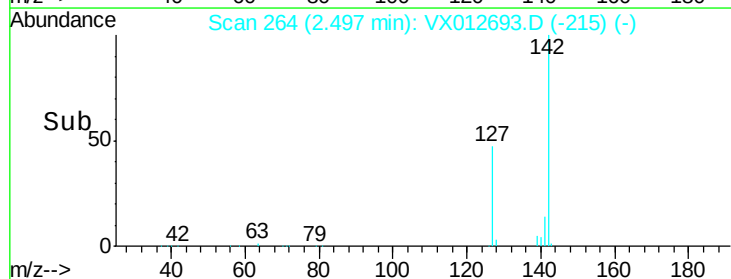
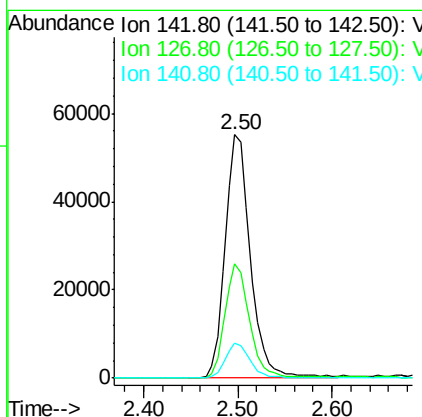
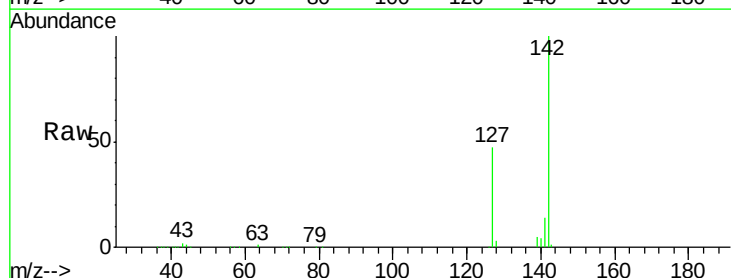
RT: 2.50 min Scan# 264

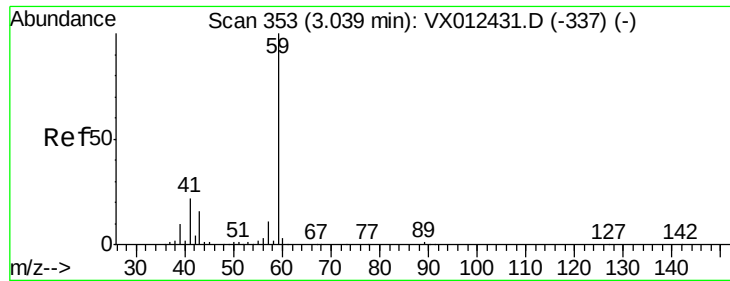
Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 103254 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 45.4  | 40.8  | 61.2   |
| 141       | 14.0  | 12.1  | 18.1   |





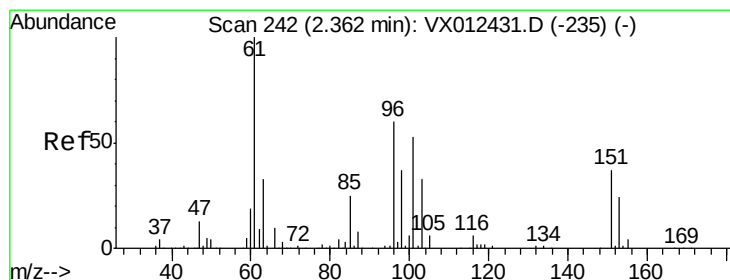
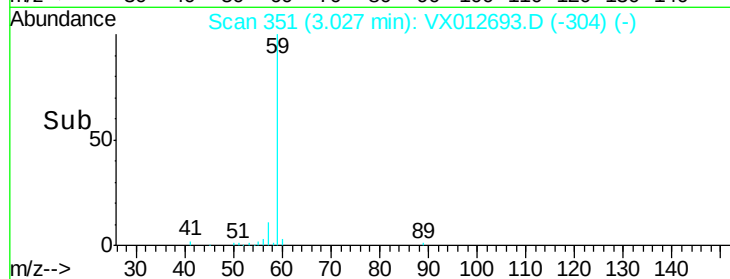
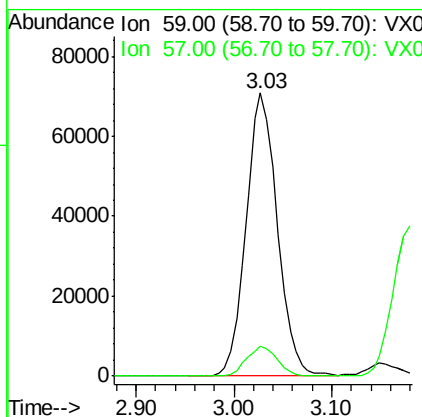
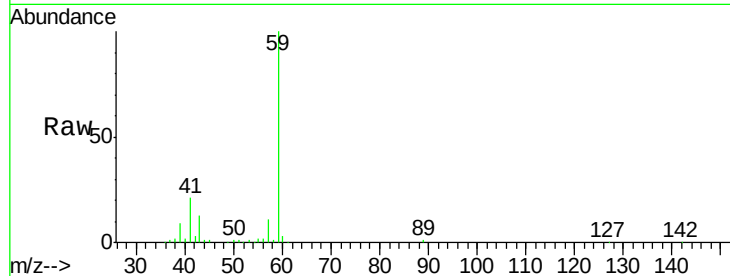
#11  
Tert butyl alcohol  
Concen: 216.887 ug/l  
RT: 3.03 min Scan# 351  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 59 Resp: 156901  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.3 12.5

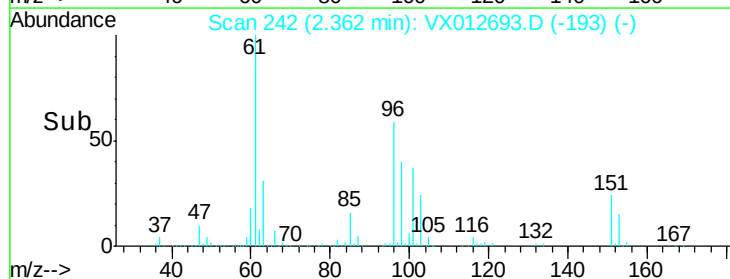
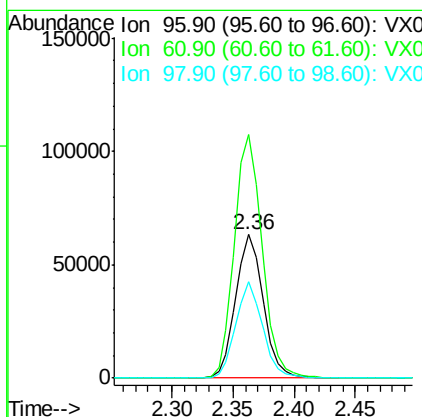
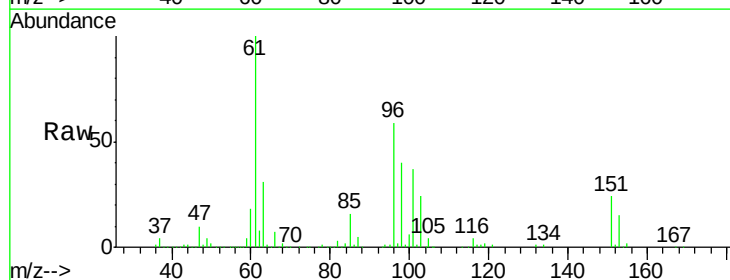
Manual Integrations  
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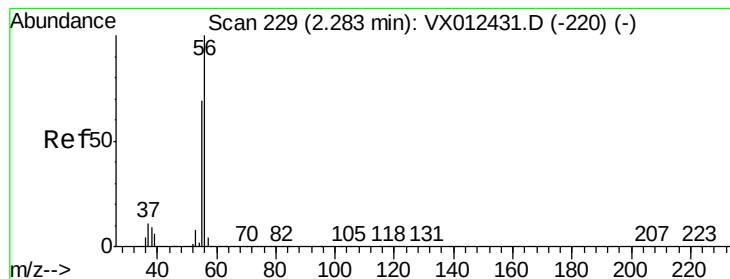
MMDadoda  
9/30/2019 8:24:31 AM



#12  
1,1-Dichloroethene  
Concen: 46.216 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Tgt Ion: 96 Resp: 98818  
Ion Ratio Lower Upper  
96 100  
61 169.8 133.8 200.6  
98 67.7 49.9 74.9





#13

Acrolein

Concen: 68.540 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 24500

Ion Ratio Lower Upper

56 100

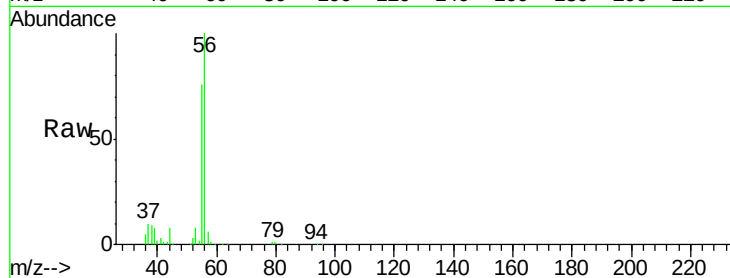
55 76.1 55.8 83.8

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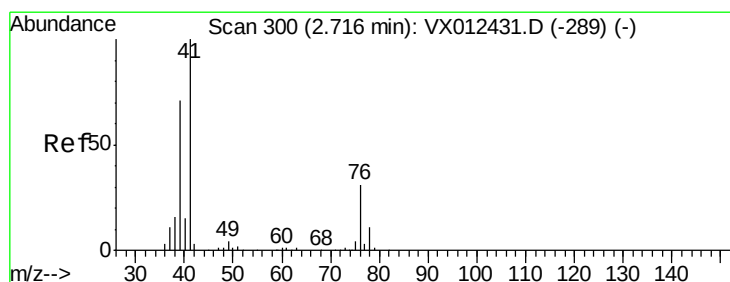
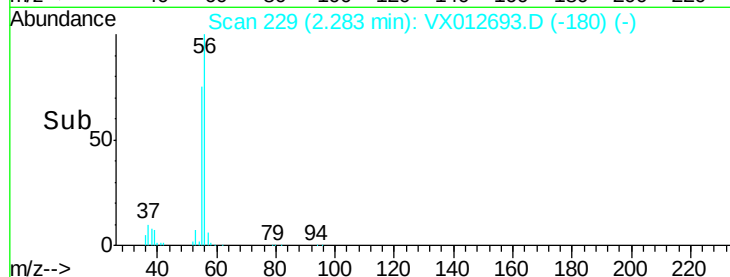
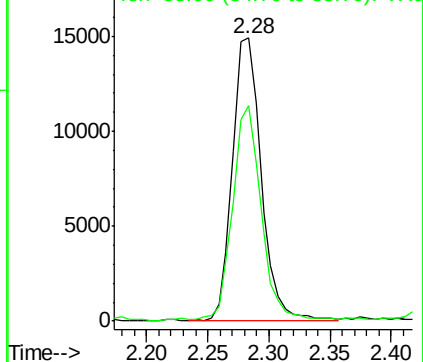
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.267 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

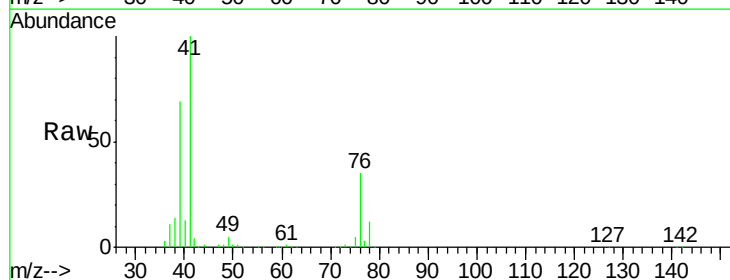
Tgt Ion: 41 Resp: 204758

Ion Ratio Lower Upper

41 100

39 64.6 51.3 76.9

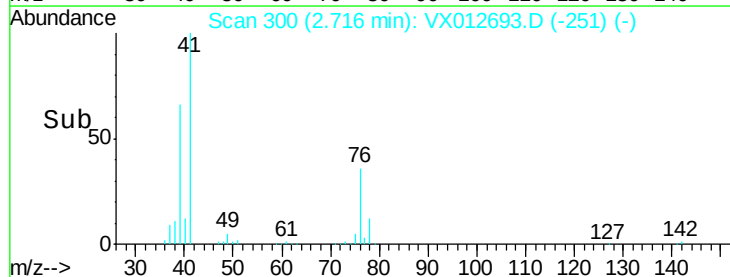
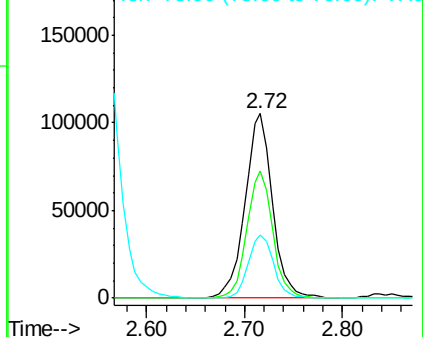
76 31.6 22.6 33.8

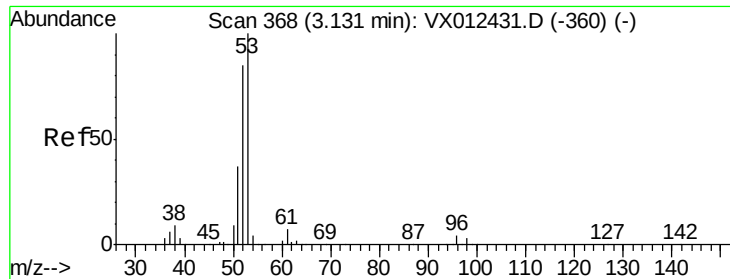


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 231.774 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

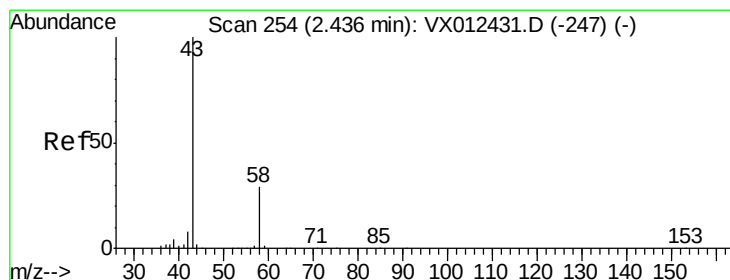
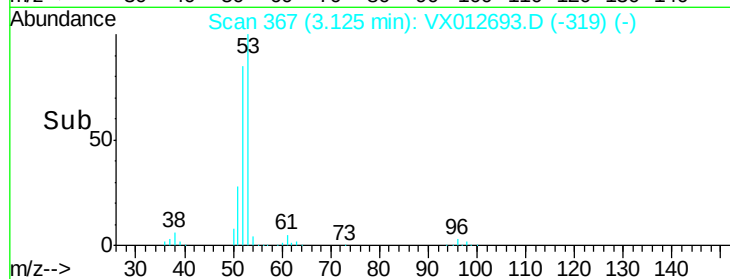
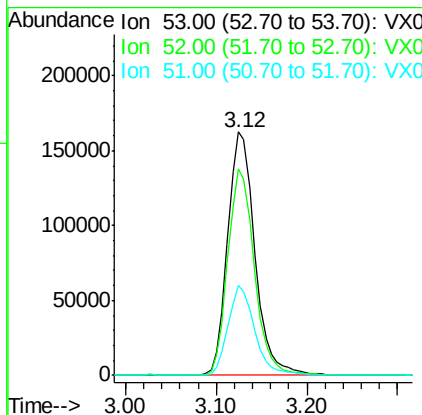
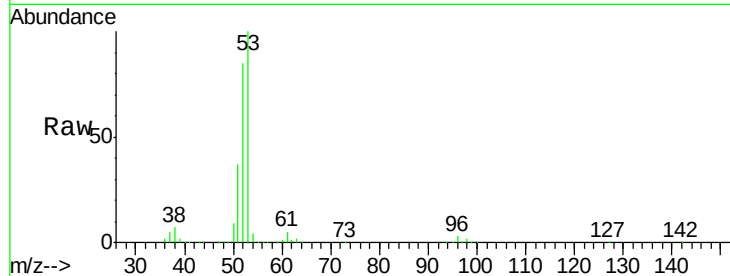
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 340169 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.9  | 67.0  | 100.4  |
| 51       | 36.2  | 29.6  | 44.4   |

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#16

Acetone

Concen: 227.788 ug/l

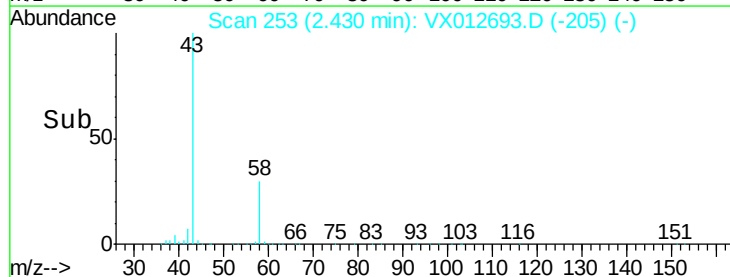
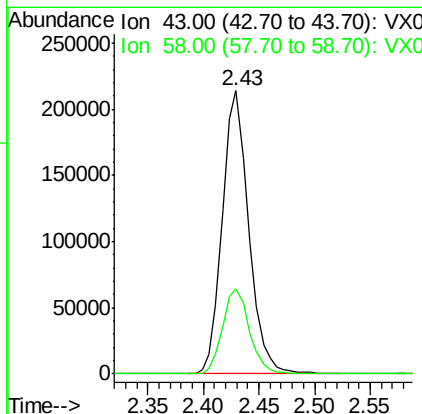
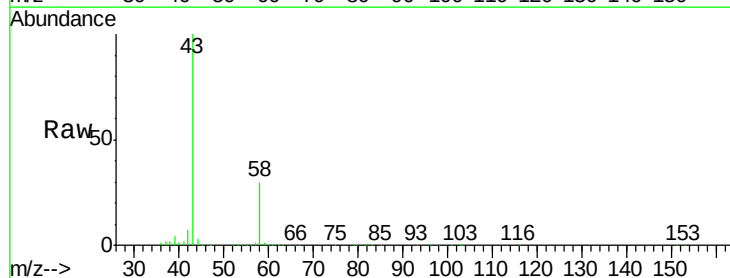
RT: 2.43 min Scan# 253

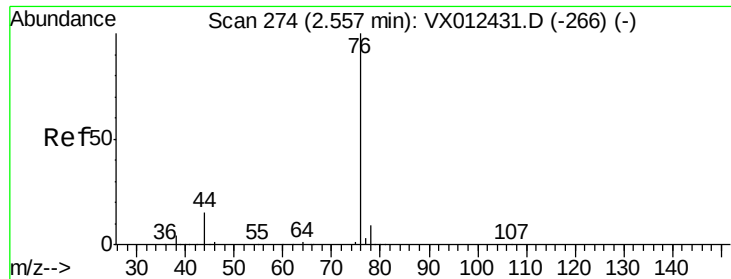
Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 349408 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.9  | 23.3  | 34.9   |





#17

Carbon Disulfide

Concen: 45.496 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 272719

Ion Ratio Lower Upper

76 100

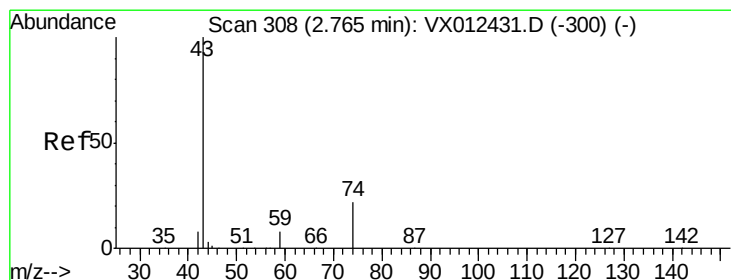
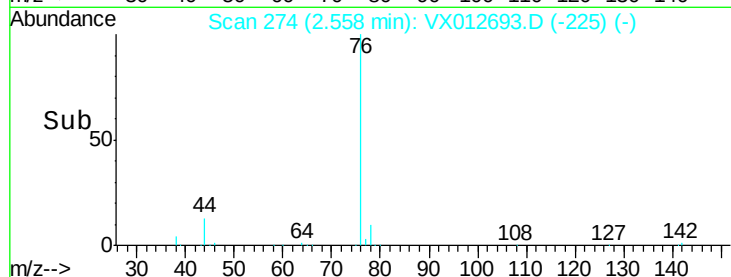
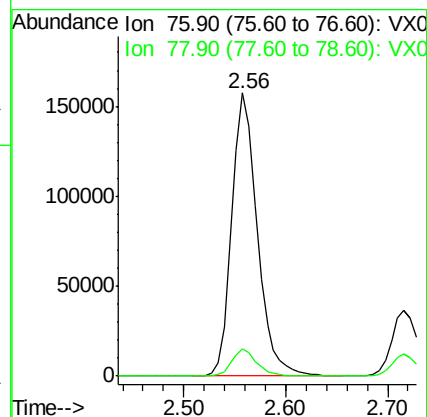
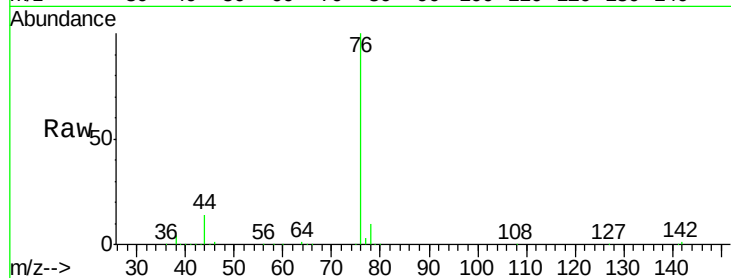
78 9.7 7.3 10.9

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#18

Methyl Acetate

Concen: 45.380 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012693.D

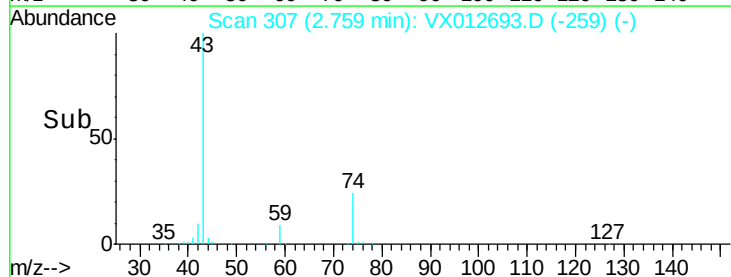
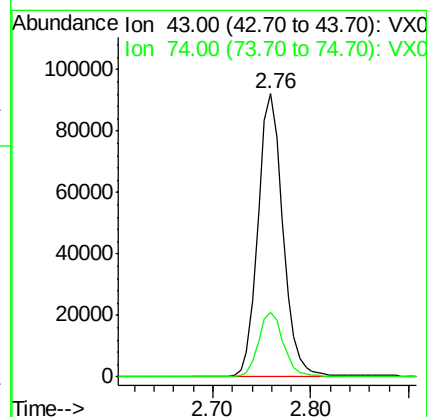
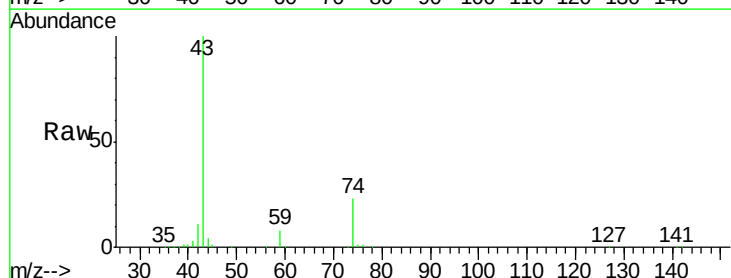
Acq: 27 Sep 2019 14:18

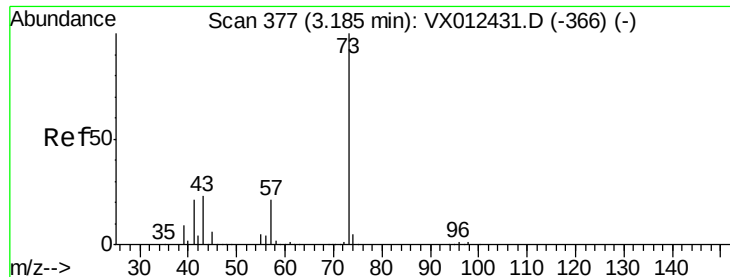
Tgt Ion: 43 Resp: 163907

Ion Ratio Lower Upper

43 100

74 23.3 17.7 26.5





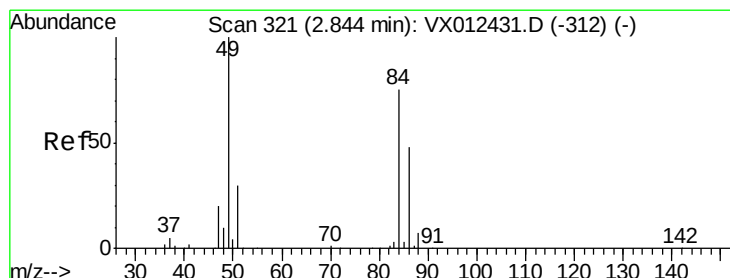
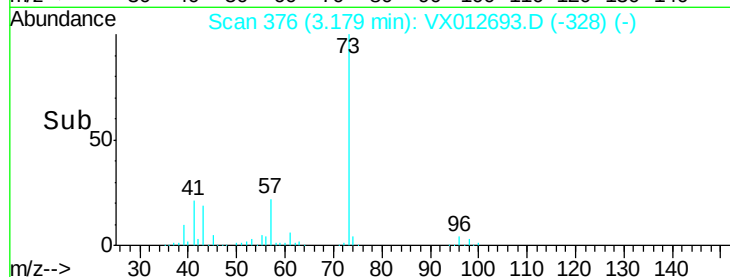
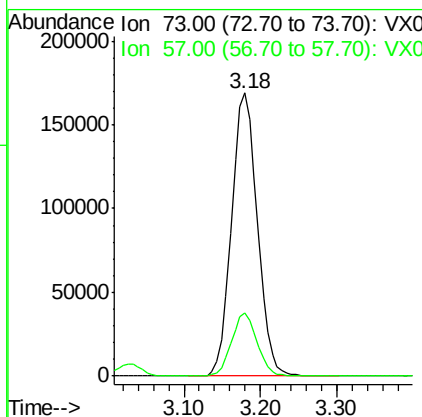
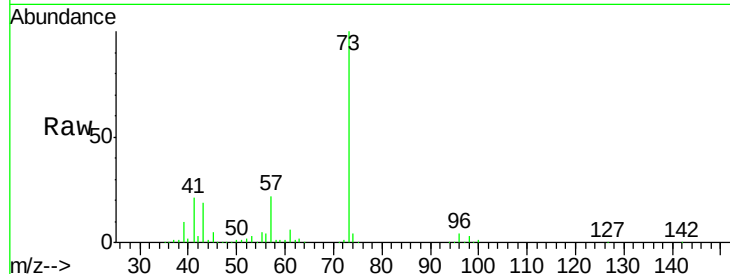
#19  
Methyl tert-butyl Ether  
Concen: 48.803 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.2  | 16.8  | 25.2  |

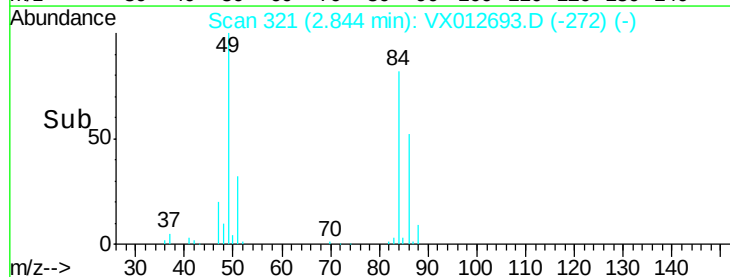
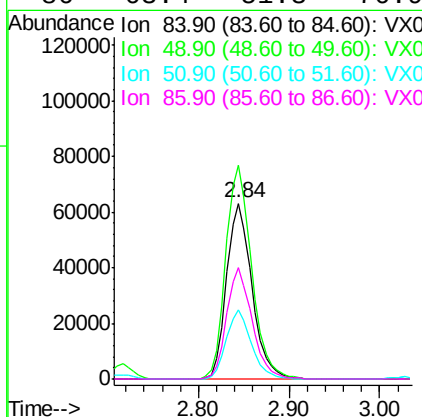
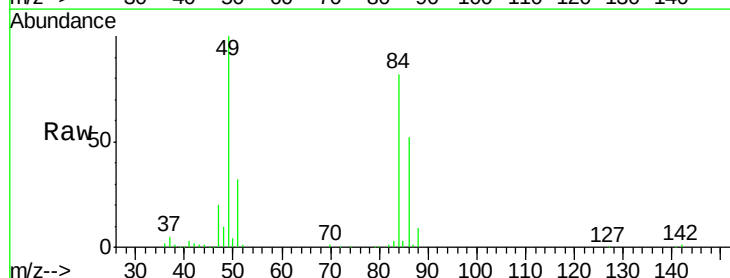
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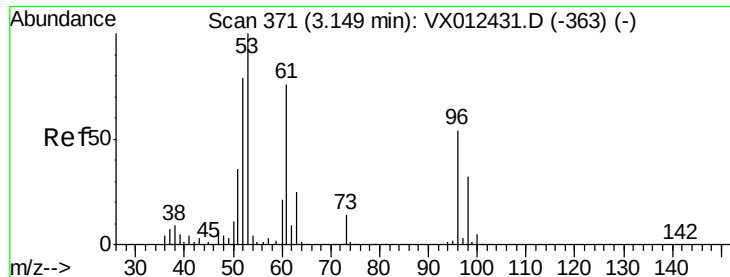
MMDadoda  
9/30/2019 8:24:31 AM



#20  
Methylene Chloride  
Concen: 47.334 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 121.8 | 106.8 | 160.2 |
| 51      | 39.2  | 32.3  | 48.5  |
| 86      | 63.4  | 51.3  | 76.9  |





#21

trans-1,2-Dichloroethene

Concen: 48.403 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 114659

Ion Ratio Lower Upper

96 100

61 137.8 112.0 168.0

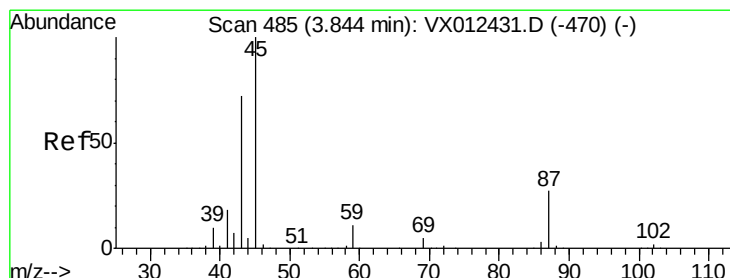
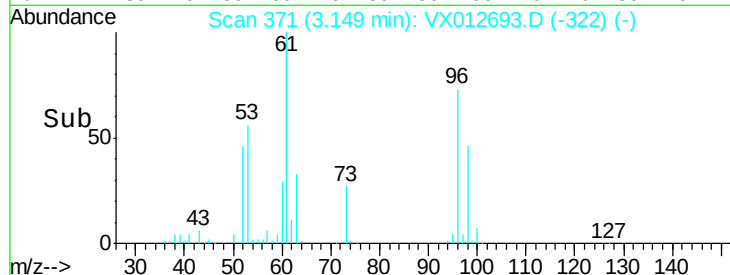
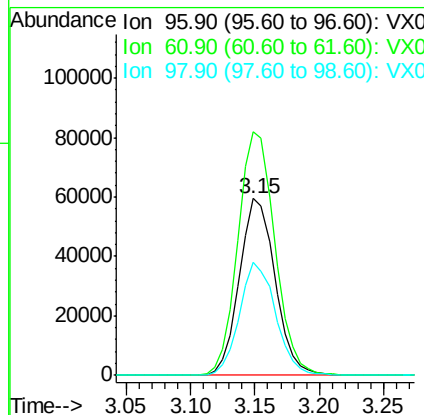
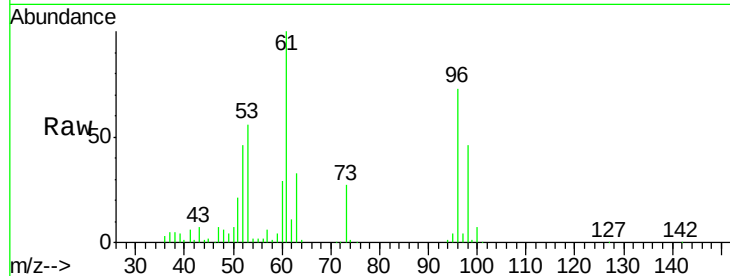
98 63.9 47.8 71.8

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#22

Diisopropyl ether

Concen: 48.592 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Tgt Ion: 45 Resp: 398312

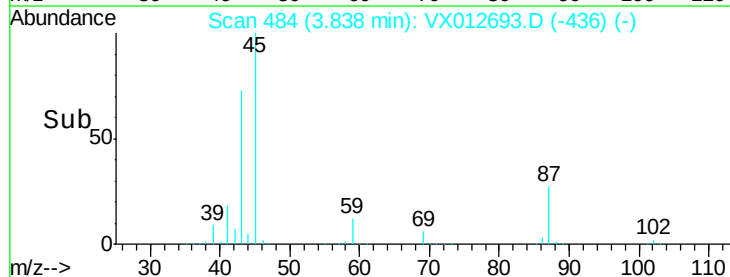
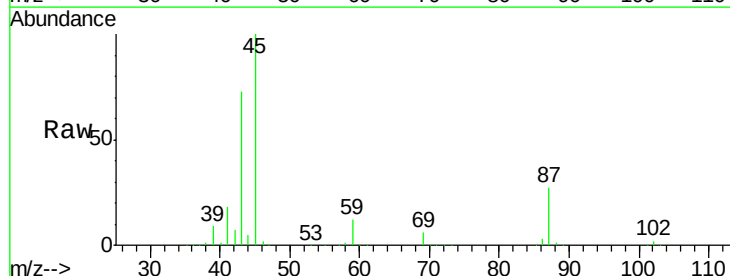
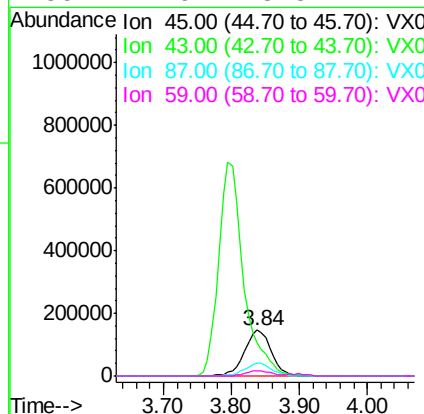
Ion Ratio Lower Upper

45 100

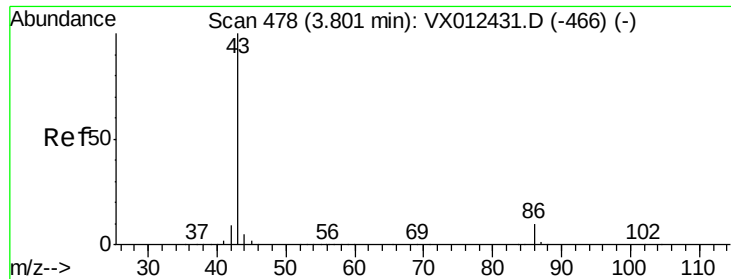
43 73.0 57.8 86.8

87 27.3 21.3 31.9

59 11.6 8.5 12.7







#23

Vinyl Acetate

Concen: 243.943 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1753577

Ion Ratio Lower Upper

43 100

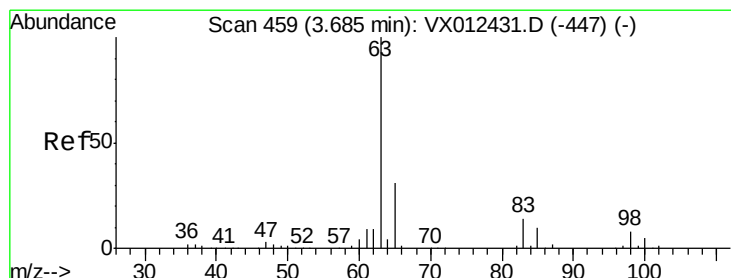
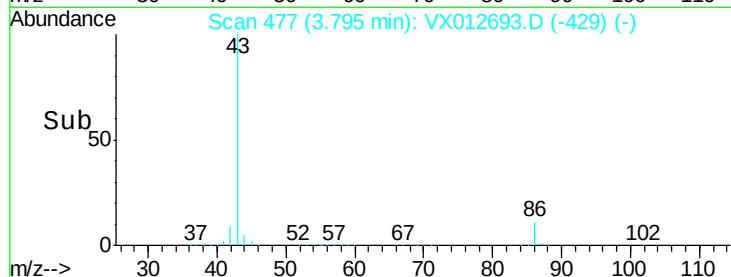
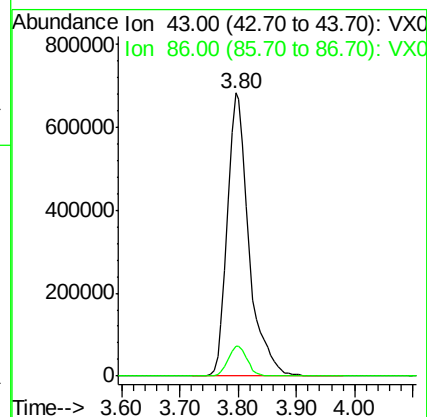
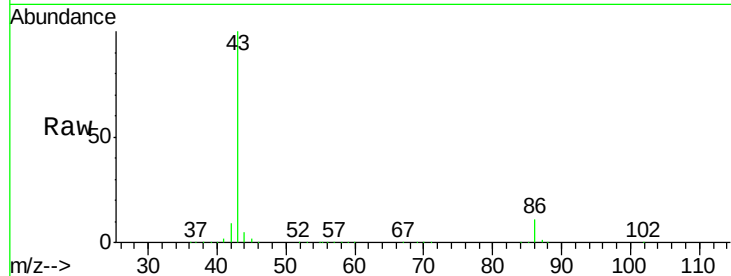
86 10.6 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.576 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

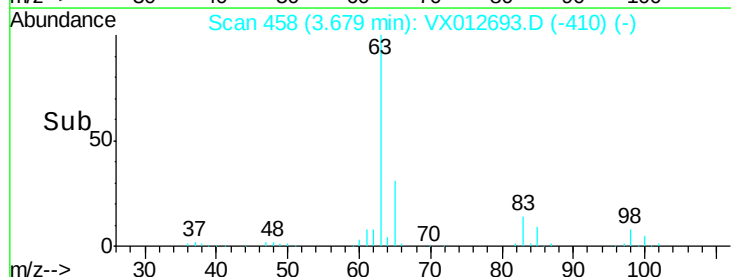
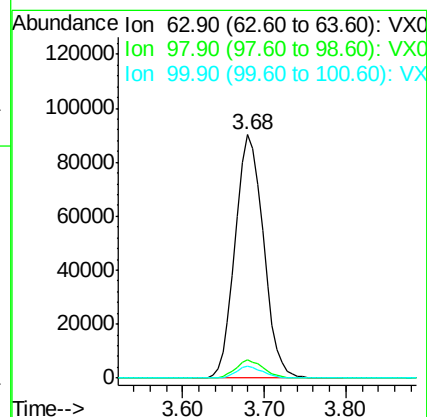
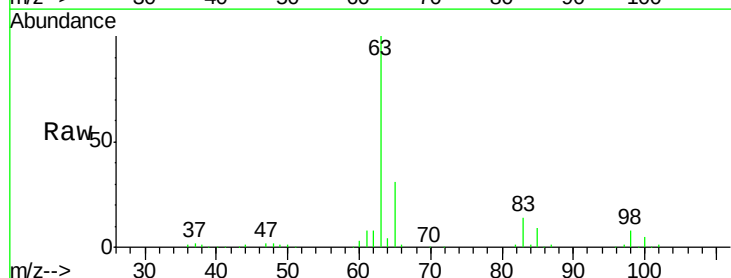
Tgt Ion: 63 Resp: 216440

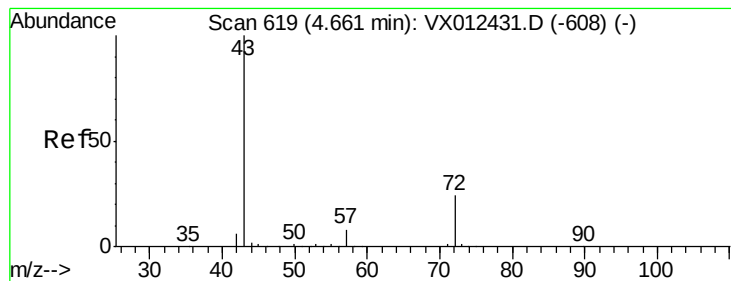
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 4.7 2.3 6.9





#25

2-Butanone

Concen: 230.398 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 506740

Ion Ratio Lower Upper

43 100

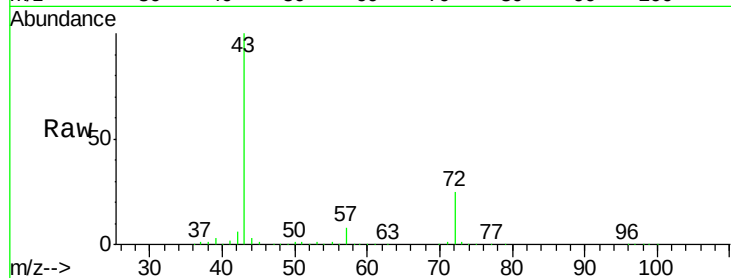
72 25.0 19.2 28.8

Manual Integrations

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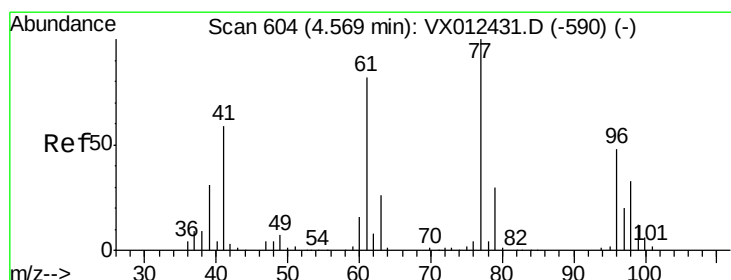
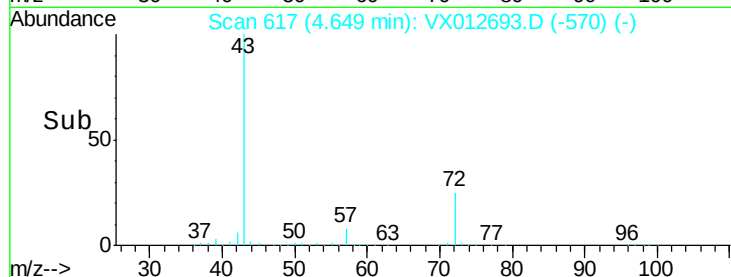
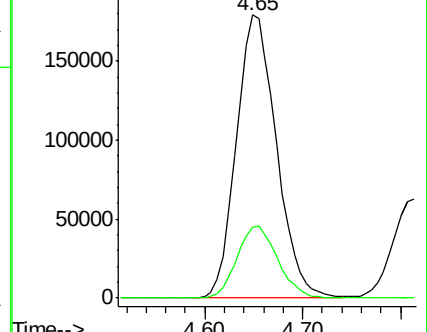
MMDadoda

9/30/2019 8:24:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.116 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012693.D

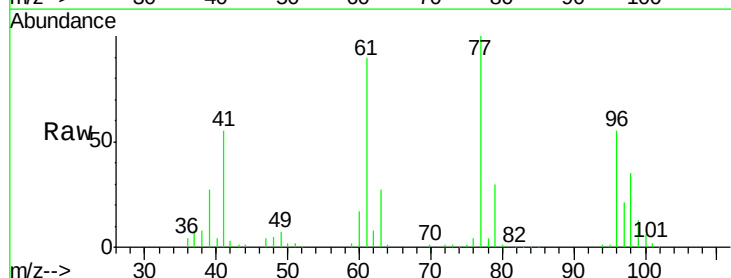
Acq: 27 Sep 2019 14:18

Tgt Ion: 77 Resp: 194641

Ion Ratio Lower Upper

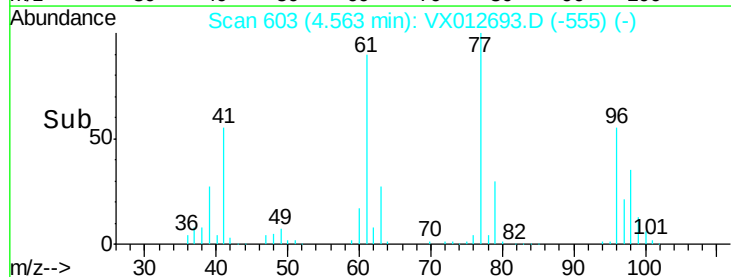
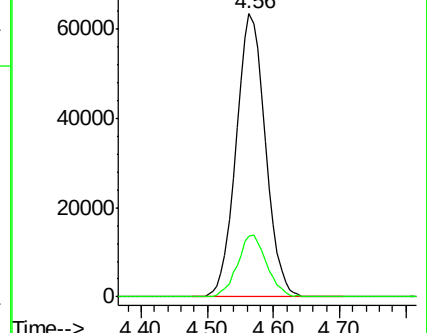
77 100

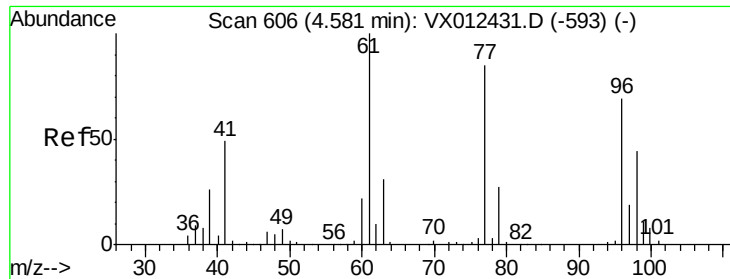
97 21.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

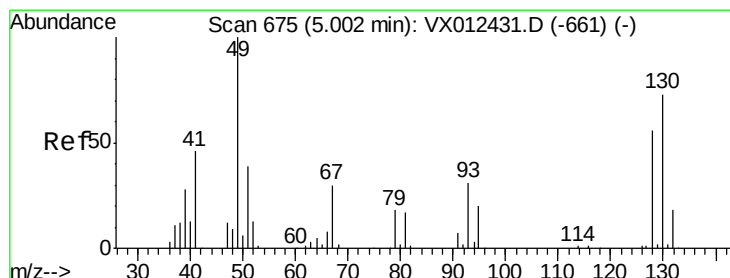
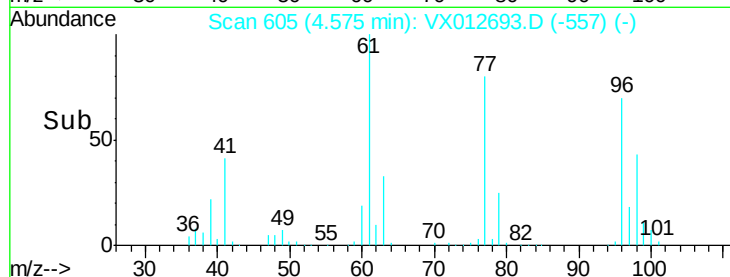
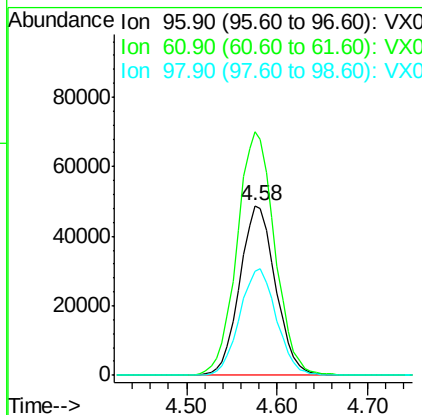
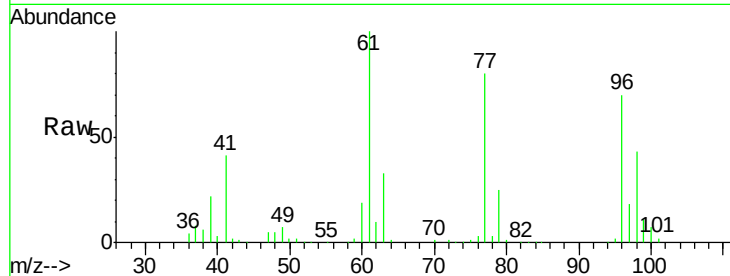
cis-1,2-Dichloroethene  
Concen: 48.517 ug/l  
RT: 4.58 min Scan# 605  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 133353 |       |       |
| 61      | 151.5 | 0.0    | 319.4 |       |
| 98      | 64.4  | 0.0    | 130.6 |       |

Manual Integrations  
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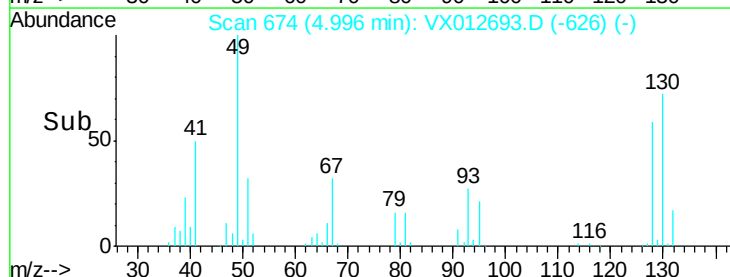
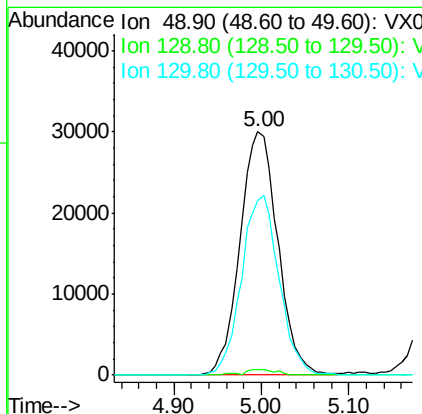
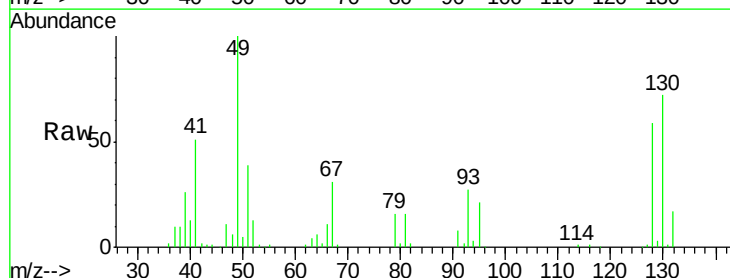
MMDadoda  
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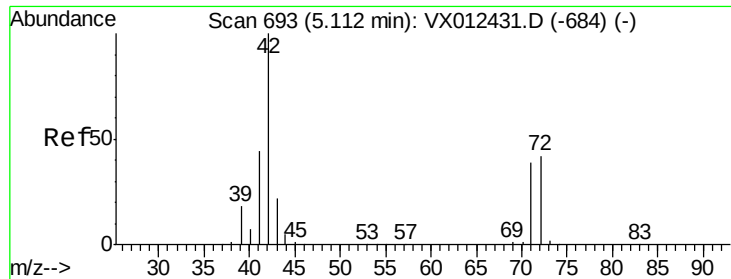


#28

Bromochloromethane  
Concen: 55.949 ug/l  
RT: 5.00 min Scan# 674  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 90518 |       |       |
| 129     | 2.0   | 0.0   | 3.8   |       |
| 130     | 73.0  | 58.2  | 87.4  |       |





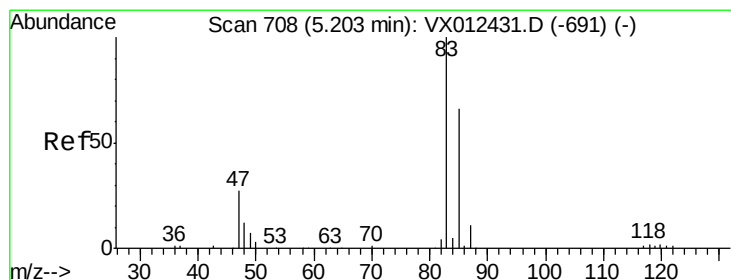
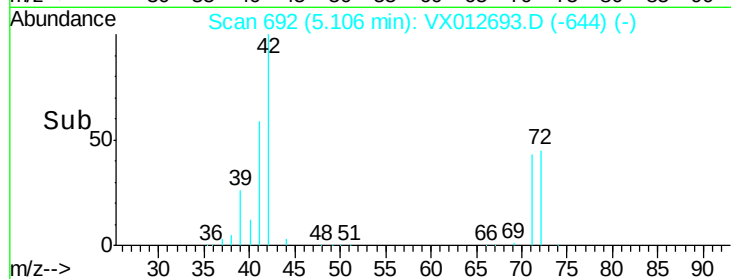
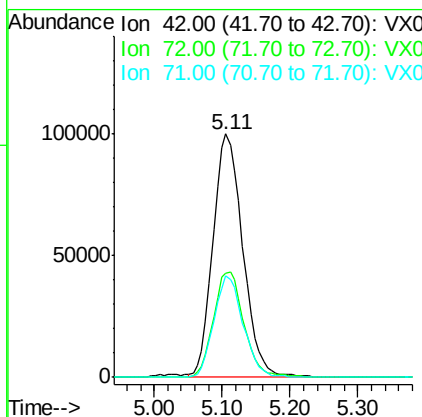
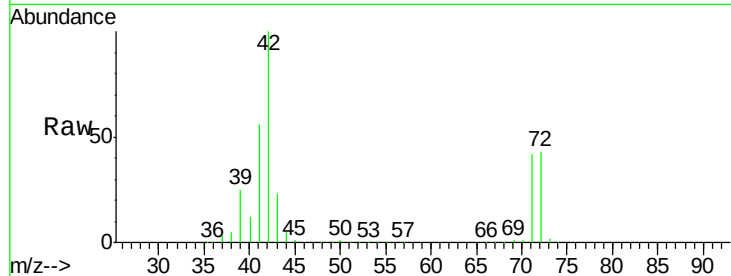
#29  
Tetrahydrofuran  
Concen: 225.844 ug/l  
RT: 5.11 min Scan# 692  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.6  | 34.0  | 51.0  |
| 71      | 41.1  | 31.5  | 47.3  |

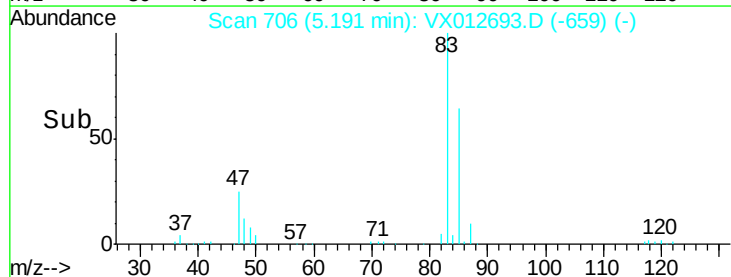
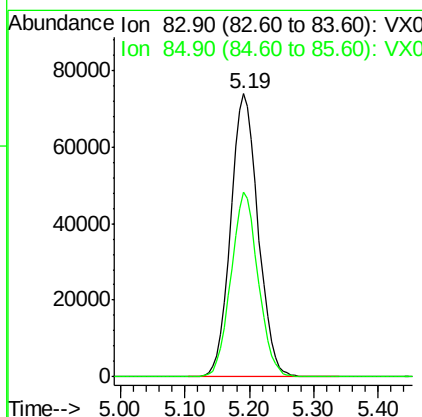
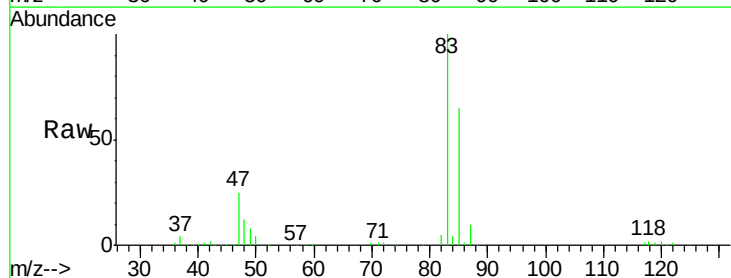
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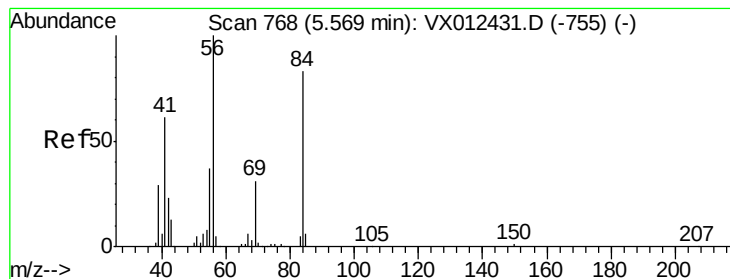
MMDadoda  
9/30/2019 8:24:31 AM



#30  
Chloroform  
Concen: 48.175 ug/l  
RT: 5.19 min Scan# 706  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 53.0  | 79.4  |





#31

Cyclohexane

Concen: 49.066 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

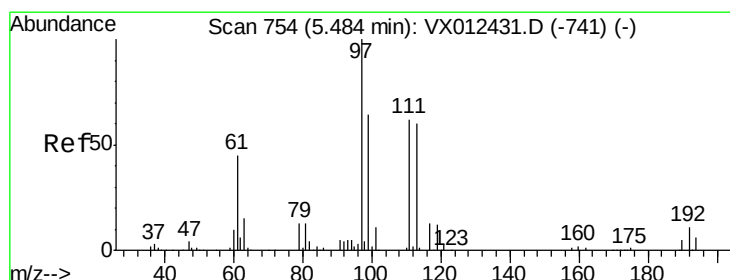
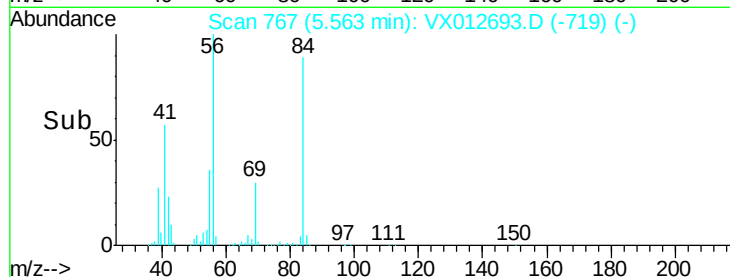
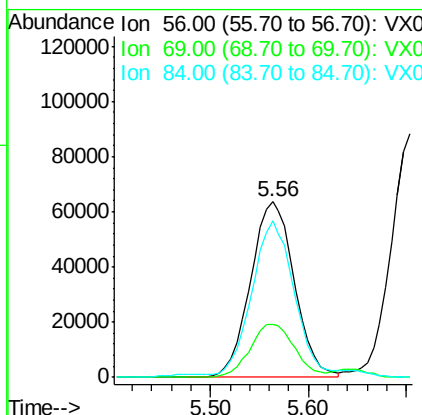
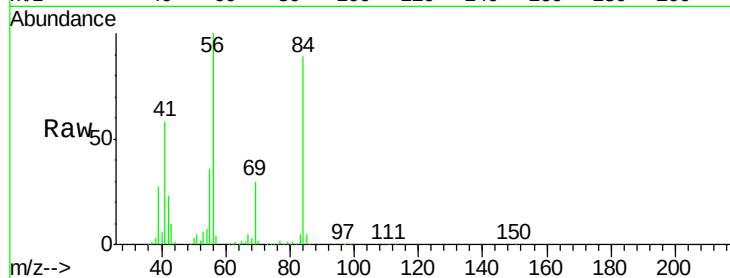
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 197784 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 30.0  | 25.0  | 37.6   |
| 84        | 87.4  | 66.4  | 99.6   |

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#32

1,1,1-Trichloroethane

Concen: 48.499 ug/l

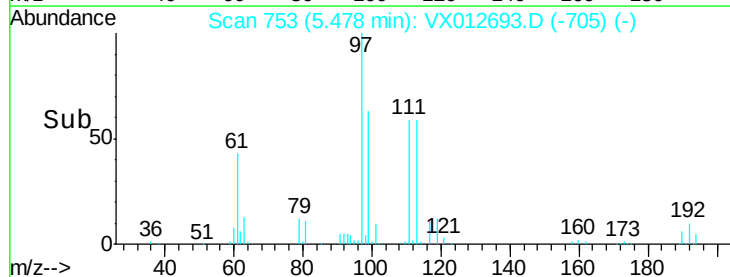
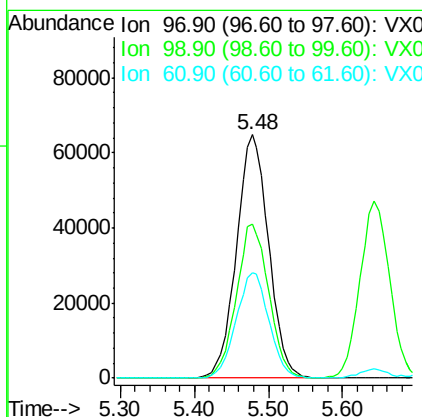
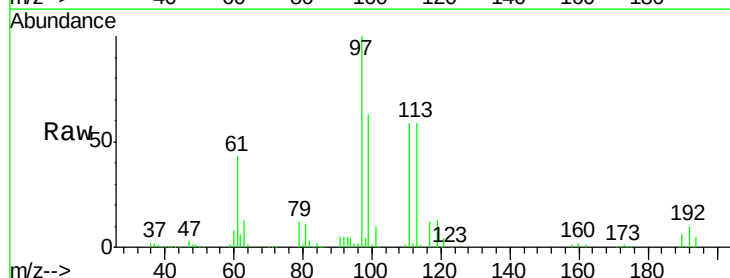
RT: 5.48 min Scan# 753

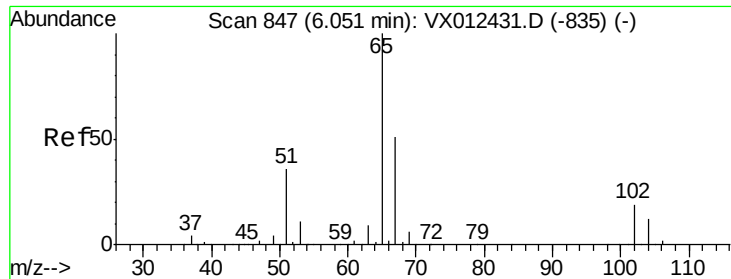
Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 195945 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.9  | 51.3  | 76.9   |
| 61        | 44.3  | 36.1  | 54.1   |





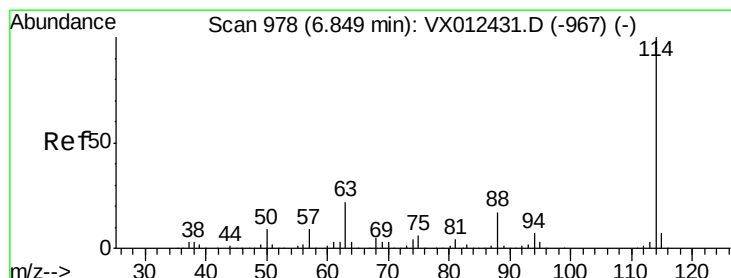
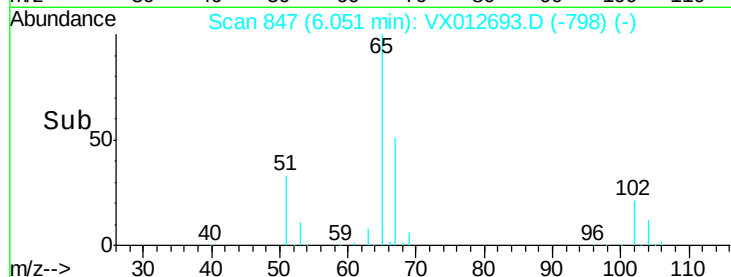
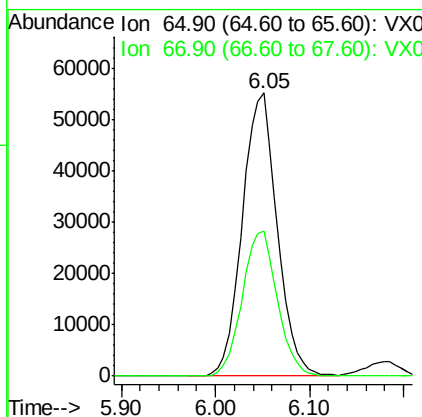
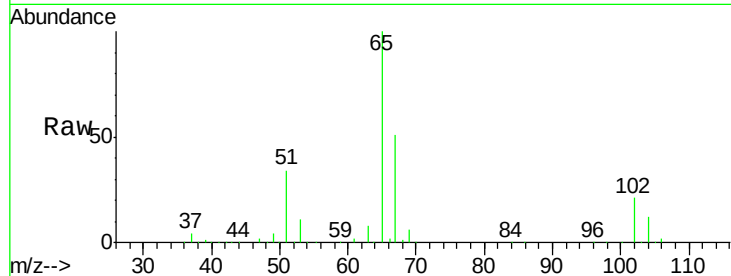
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.529 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.7  | 0.0   | 101.2 |

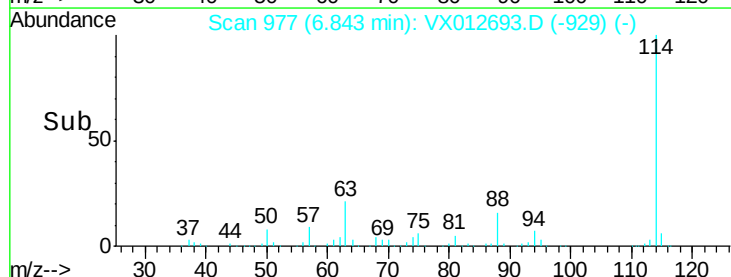
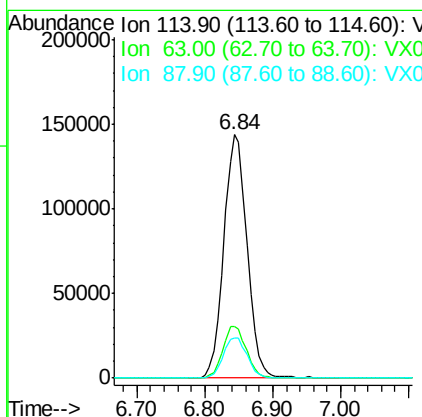
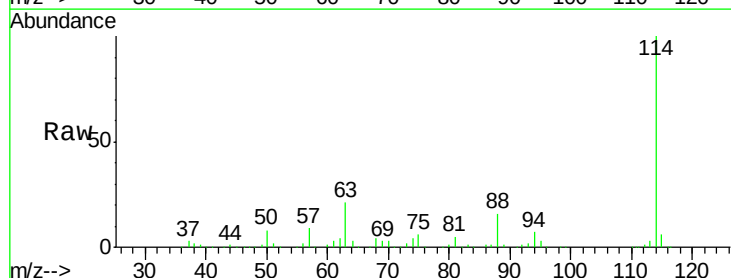
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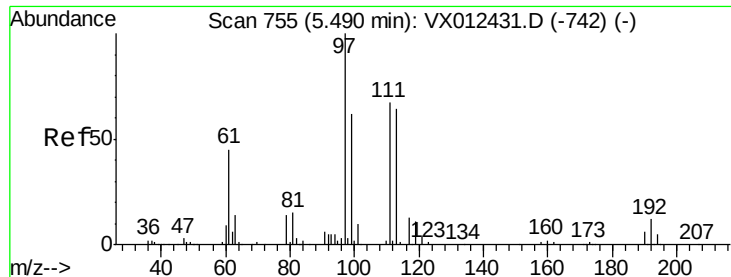
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.2  | 0.0   | 43.2  |
| 88      | 16.4  | 0.0   | 33.2  |





#35

Dibromofluoromethane

Concen: 53.231 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

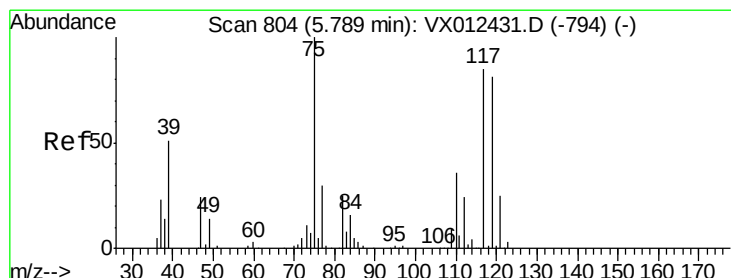
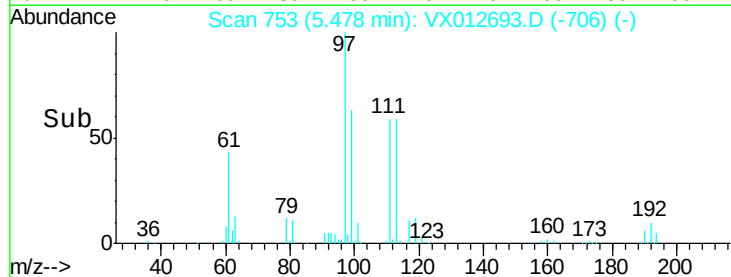
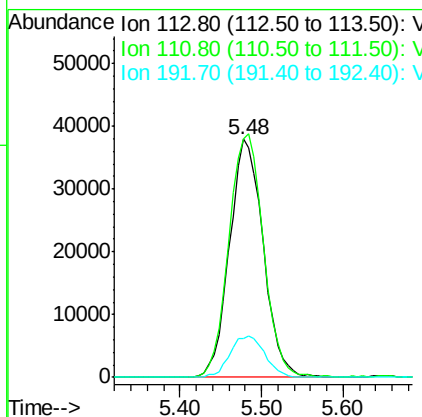
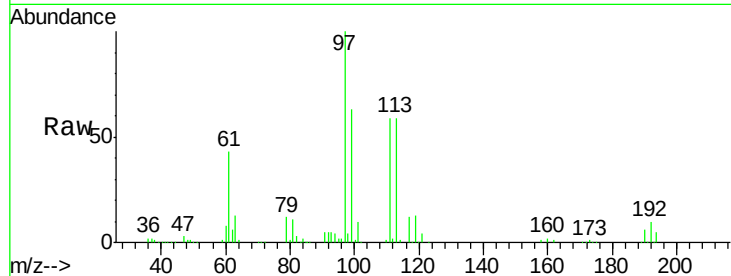
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 108041 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.7 | 83.4  | 125.2  |
| 192       | 18.0  | 14.4  | 21.6   |

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#36

1,1-Dichloropropene

Concen: 49.906 ug/l

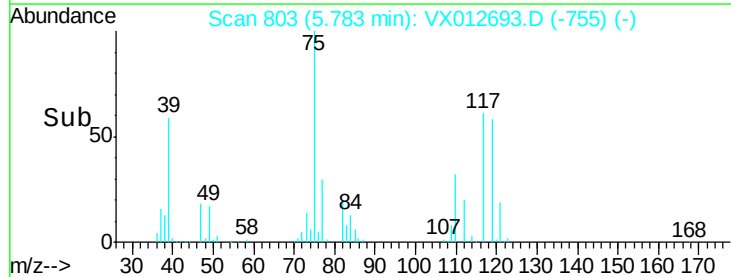
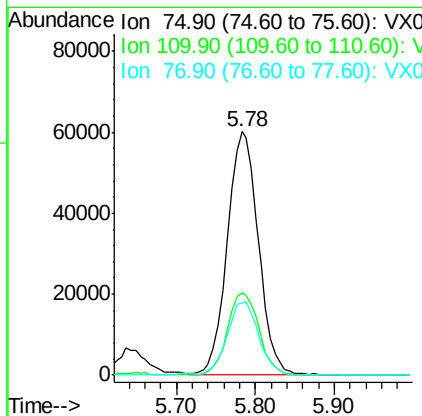
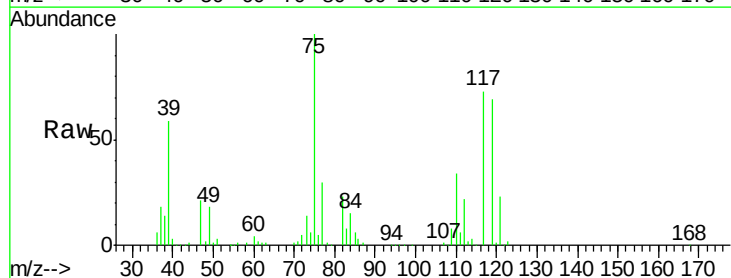
RT: 5.78 min Scan# 803

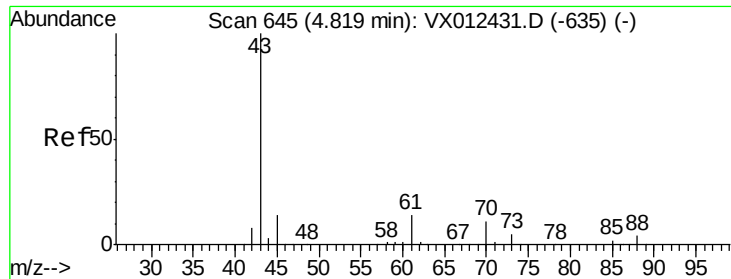
Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 163942 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 34.5  | 16.7  | 50.0   |
| 77        | 31.2  | 24.2  | 36.2   |





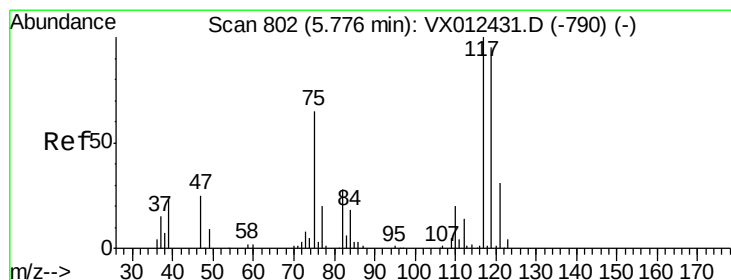
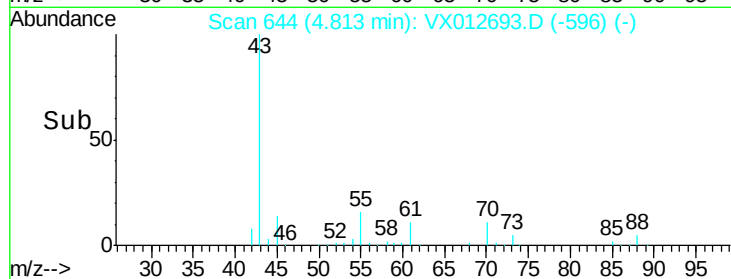
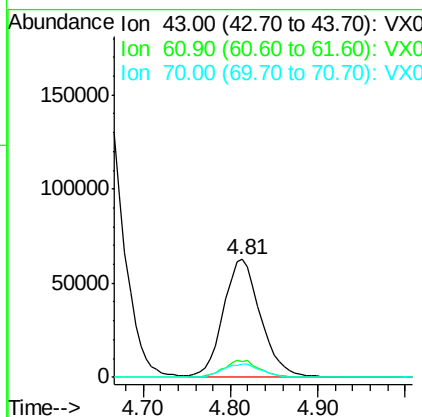
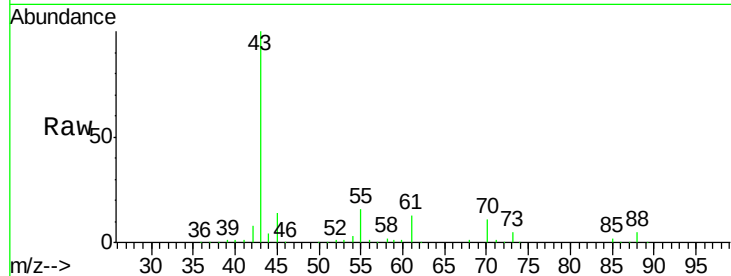
#37  
Ethyl Acetate  
Concen: 47.631 ug/l  
RT: 4.81 min Scan# 644  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.7  | 10.2  | 15.4  |
| 70      | 11.9  | 8.7   | 13.1  |

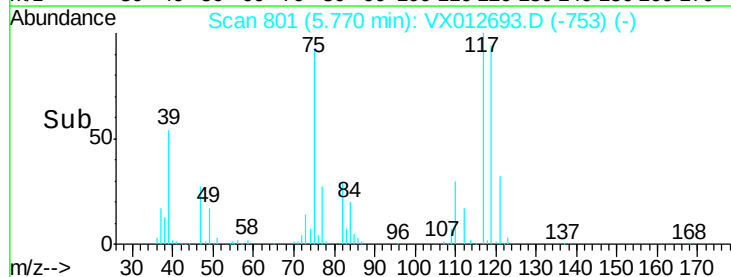
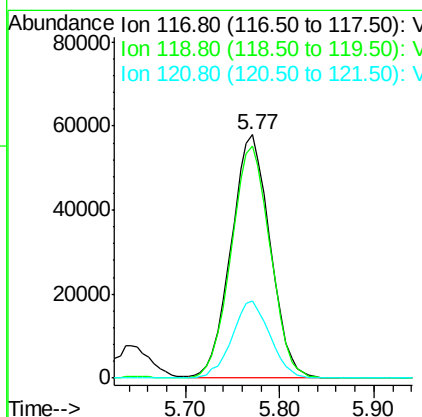
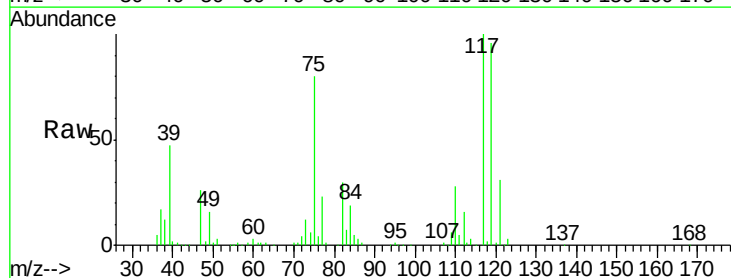
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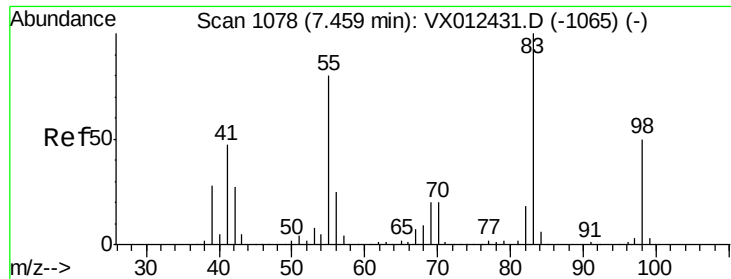


#38  
Carbon Tetrachloride  
Concen: 49.897 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.7  | 75.7  | 113.5 |
| 121     | 31.5  | 24.2  | 36.4  |







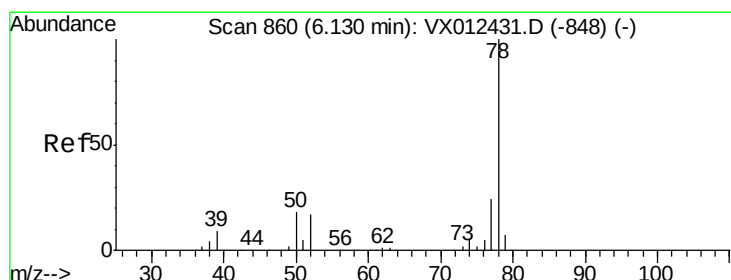
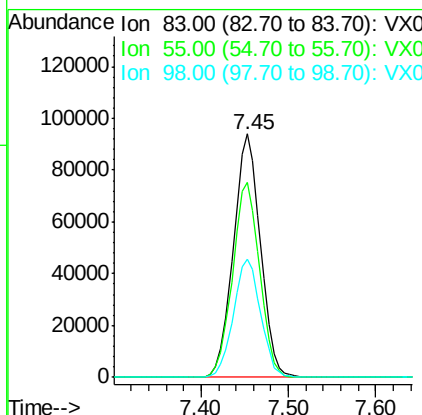
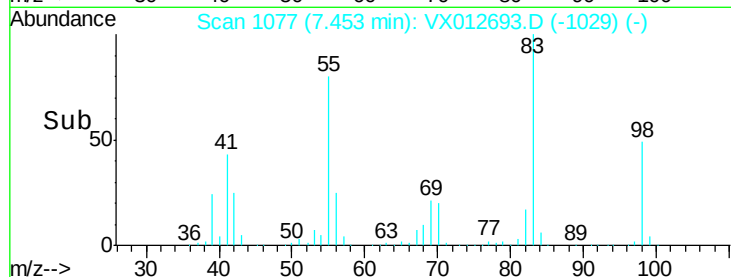
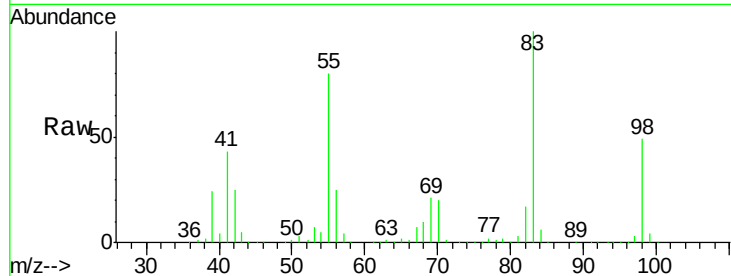
#39  
Methylvlcyclohexane  
Concen: 50.949 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 201491 |       |       |
| 55      | 80.1  | 64.4   | 96.6  |       |
| 98      | 48.6  | 40.1   | 60.1  |       |

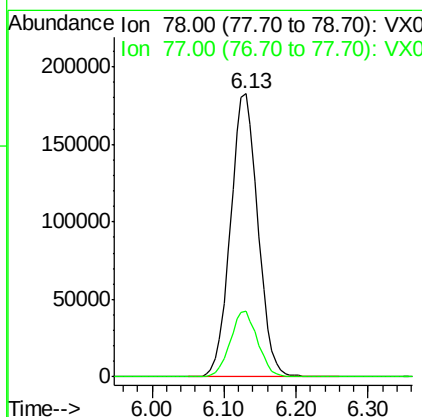
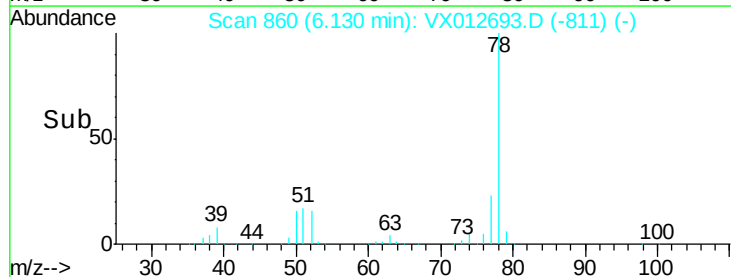
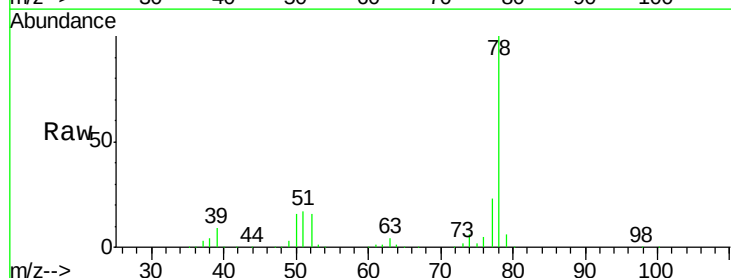
Manual Integrations  
APPROVED

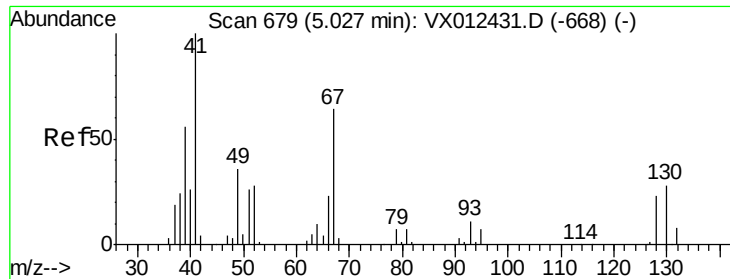
MMDadoda  
9/30/2019 8:24:31 AM



#40  
Benzene  
Concen: 49.895 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 482255 |       |       |
| 77      | 23.3  | 19.2   | 28.8  |       |





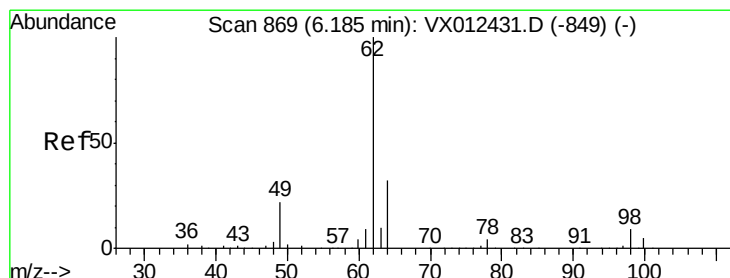
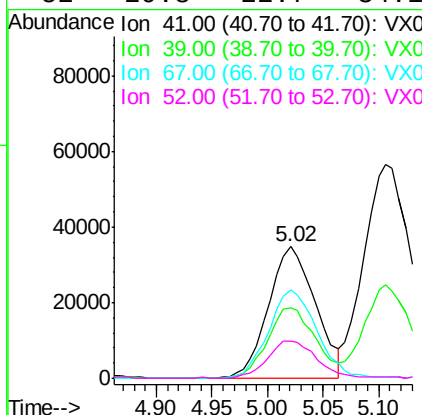
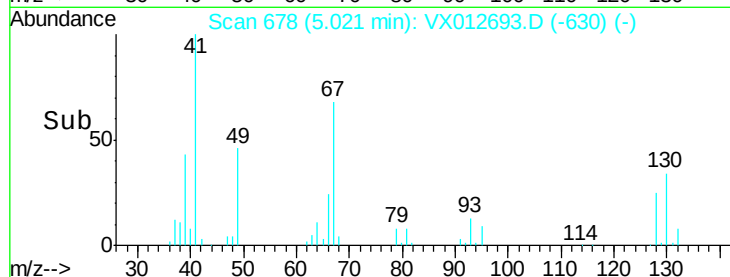
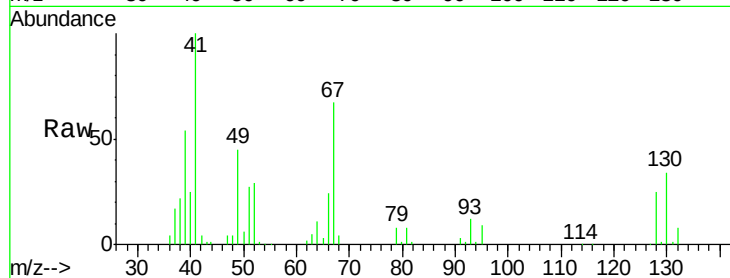
#41  
Methacrylonitrile  
Concen: 47.550 ug/l  
RT: 5.02 min Scan# 678  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.6 | 46.0  | 69.0  |       |
| 67      | 69.1 | 52.2  | 78.2  |       |
| 52      | 29.8 | 22.7  | 34.1  |       |

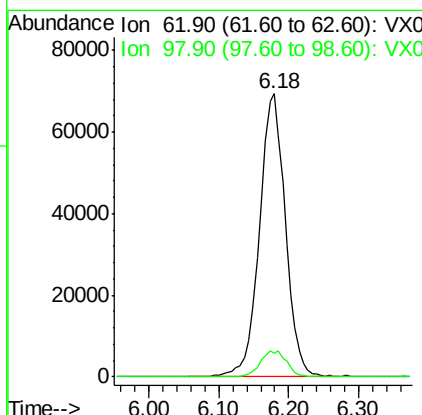
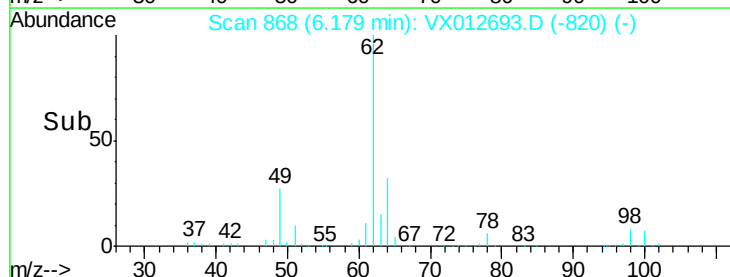
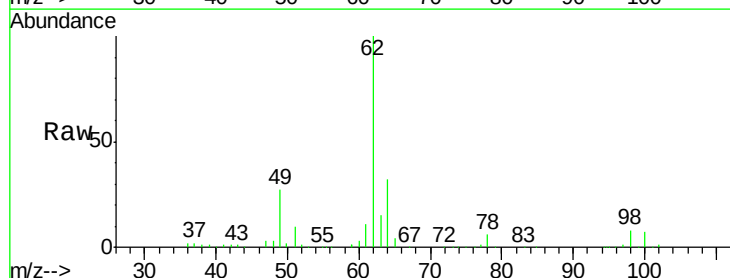
Manual Integrations  
APPROVED

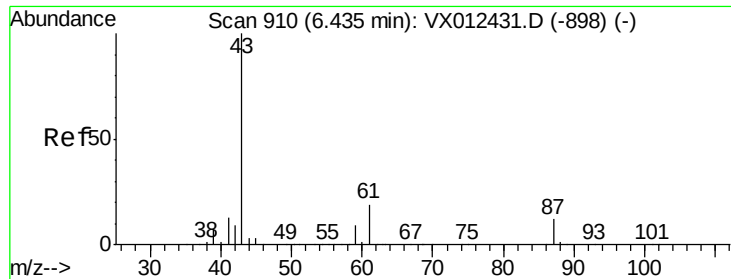
MMDadoda  
9/30/2019 8:24:31 AM



#42  
1,2-Dichloroethane  
Concen: 48.992 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.6 | 0.0   | 17.8  |       |





#43

Isopropyl Acetate

Concen: 47.606 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

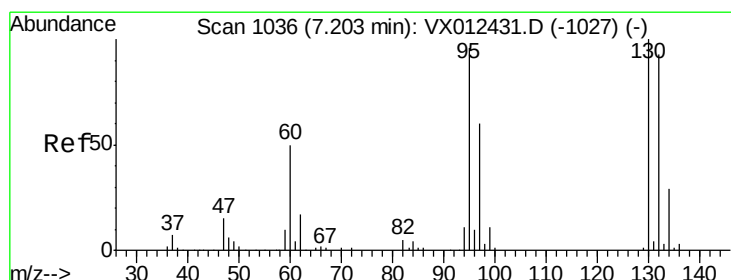
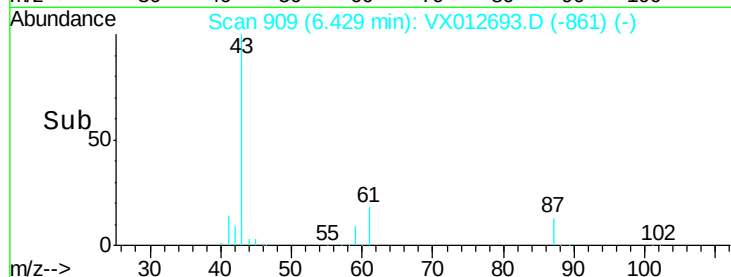
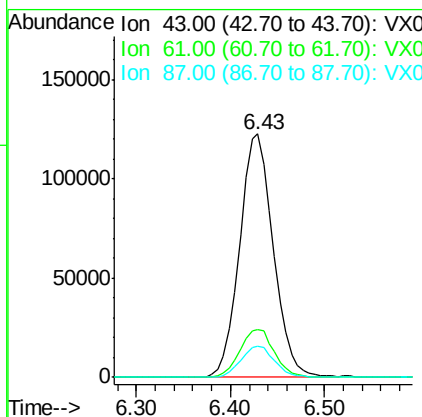
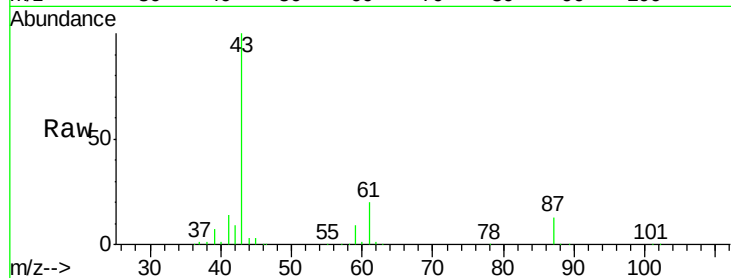
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 305751 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 20.3  | 15.4  | 23.0   |
| 87       | 13.0  | 9.8   | 14.8   |

Manual Integrations  
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9/30/2019 8:24:31 AM



#44

Trichloroethene

Concen: 50.314 ug/l

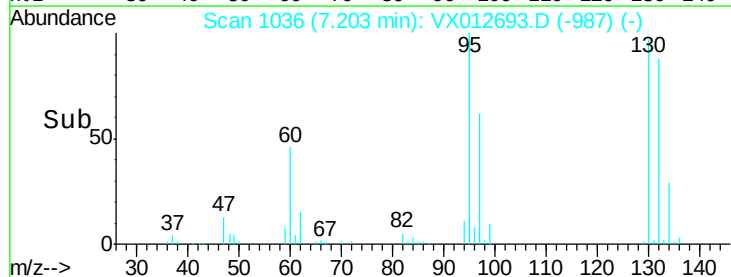
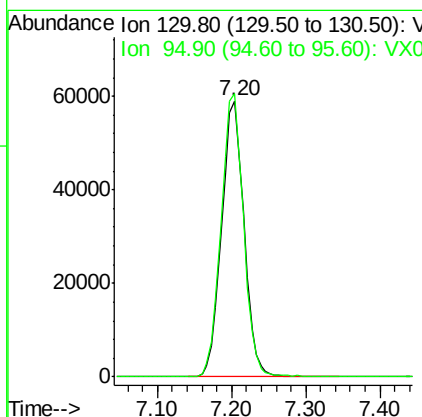
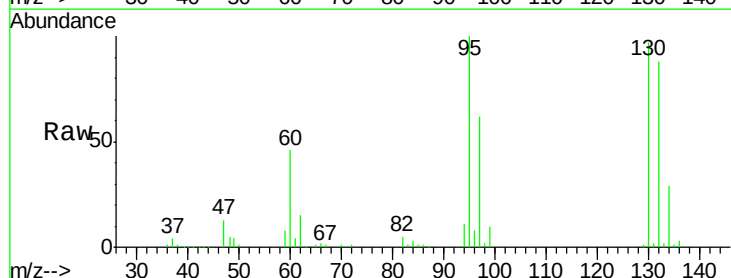
RT: 7.20 min Scan# 1036

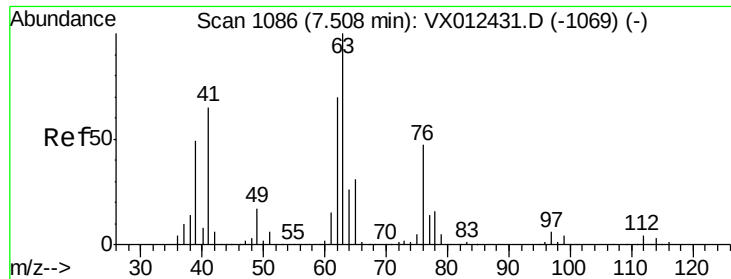
Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 124322 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 102.6 | 0.0   | 193.0  |





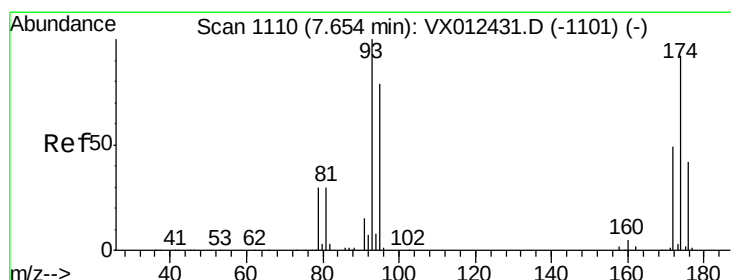
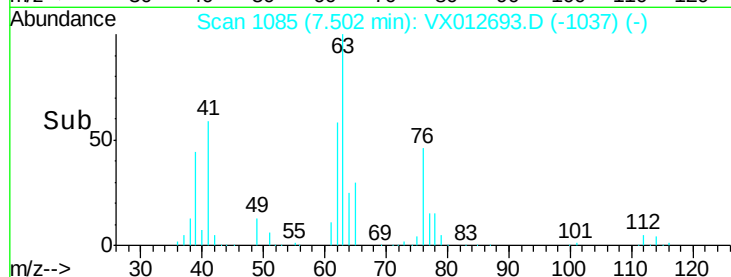
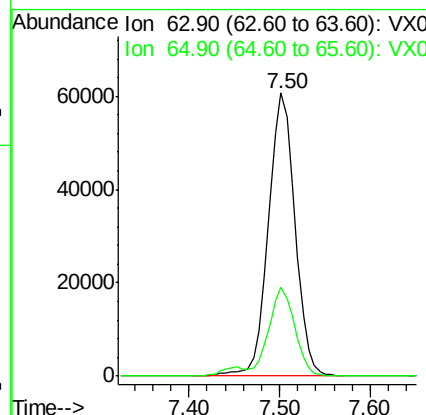
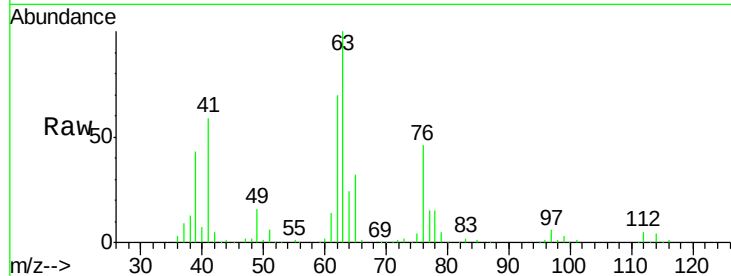
#45  
 1,2-Dichloropropane  
 Concen: 49.968 ug/l  
 RT: 7.50 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.5  | 25.0  | 37.6  |

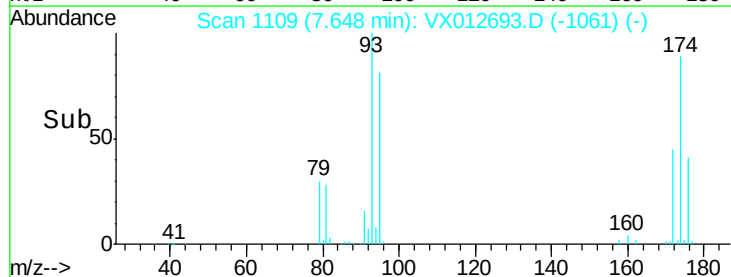
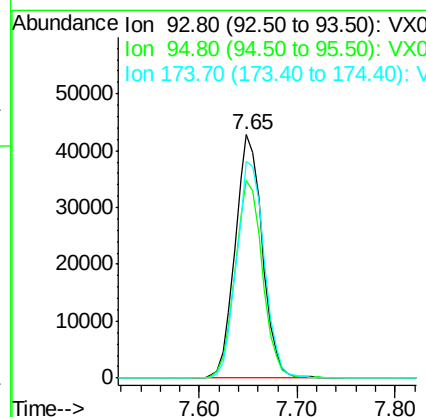
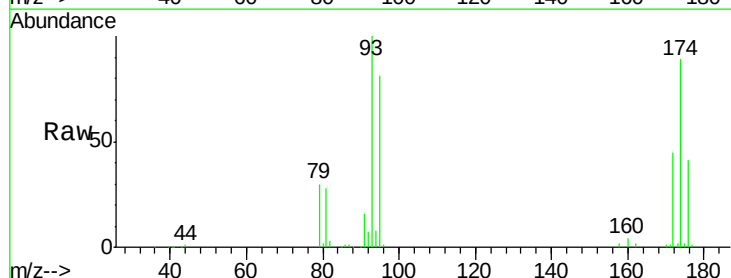
Manual Integrations  
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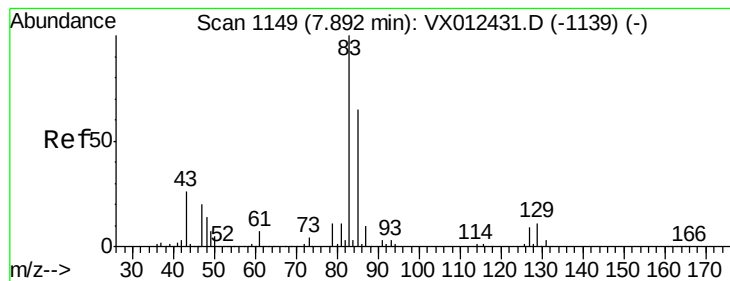
MMDadoda  
 9/30/2019 8:24:31 AM



#46  
 Dibromomethane  
 Concen: 49.019 ug/l  
 RT: 7.65 min Scan# 1109  
 Delta R.T. -0.01 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 81.9  | 66.6  | 100.0 |
| 174     | 90.7  | 77.4  | 116.0 |





#47

Bromodichloromethane

Concen: 50.469 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

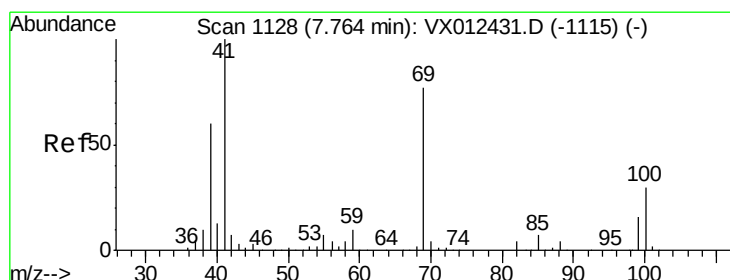
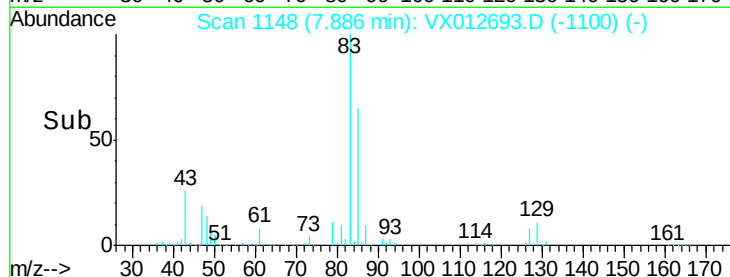
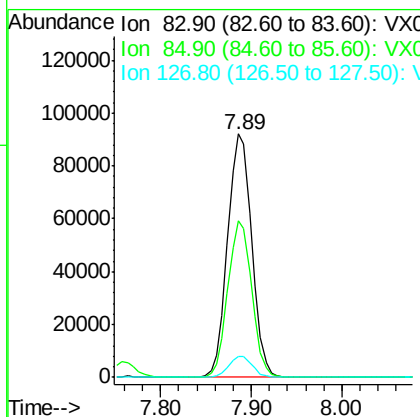
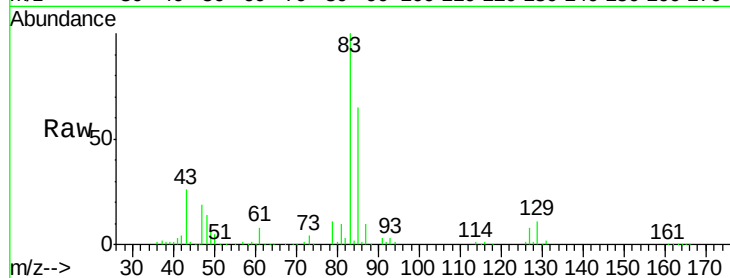
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 169948 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.6  | 51.8  | 77.6   |
| 127      | 8.5   | 7.3   | 10.9   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 48.428 ug/l

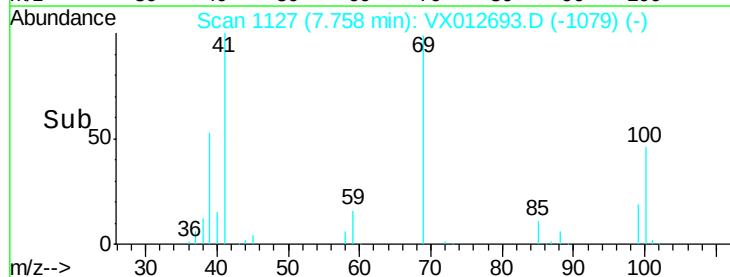
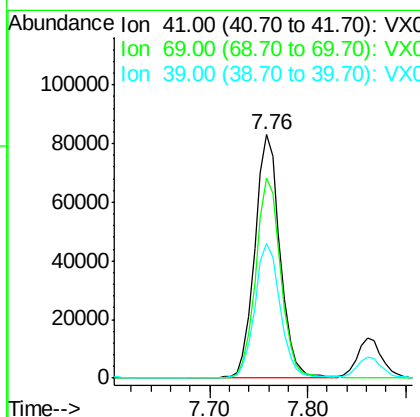
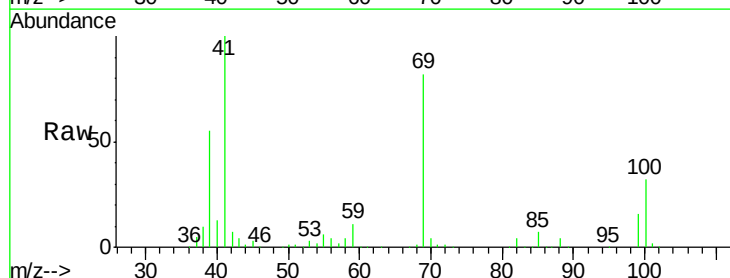
RT: 7.76 min Scan# 1127

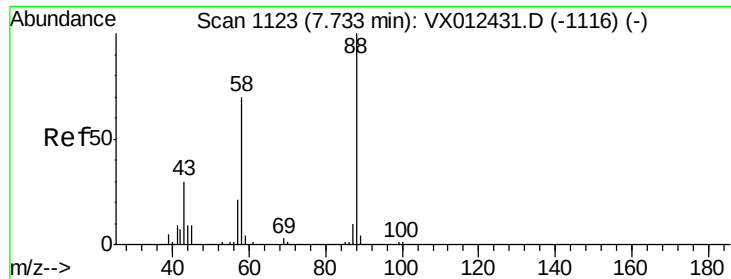
Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 149138 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 81.3  | 59.9  | 89.9   |
| 39       | 55.6  | 47.8  | 71.6   |





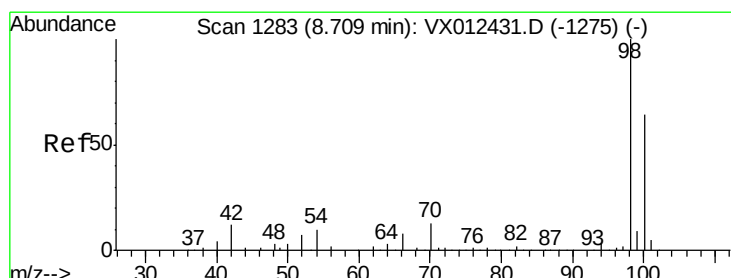
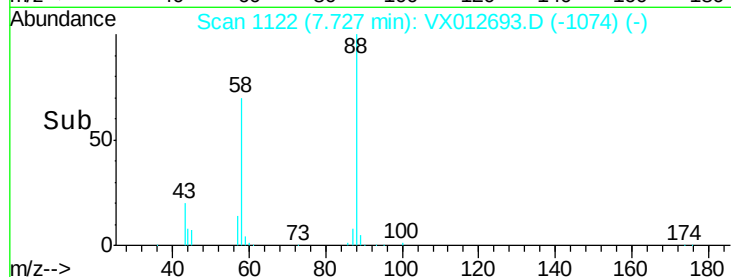
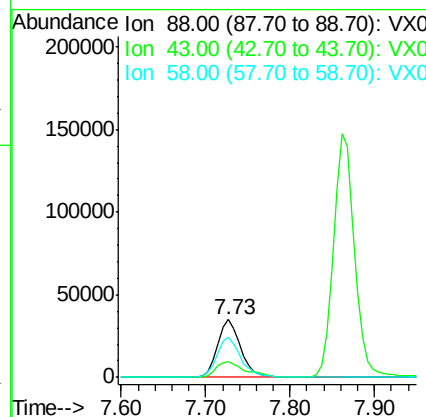
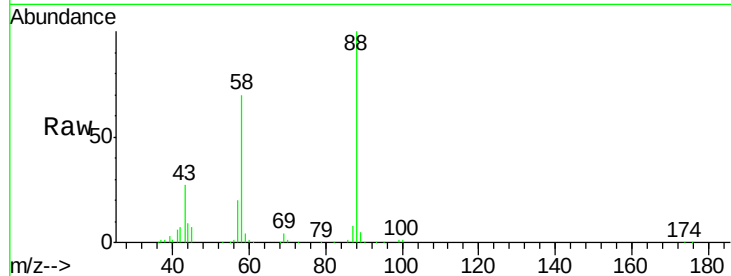
#49  
1,4-Dioxane  
Concen: 951.774 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.8  | 29.4  | 44.0  |
| 58      | 72.6  | 57.5  | 86.3  |

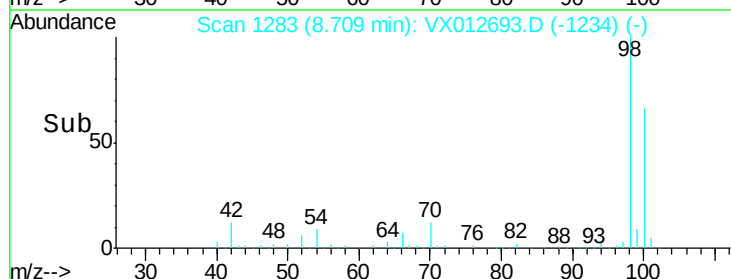
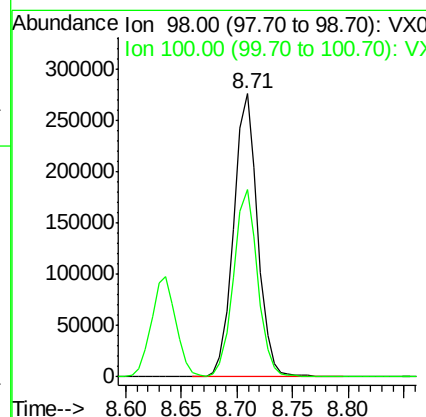
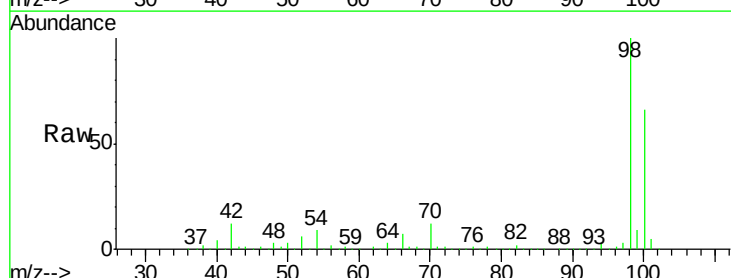
Manual Integrations  
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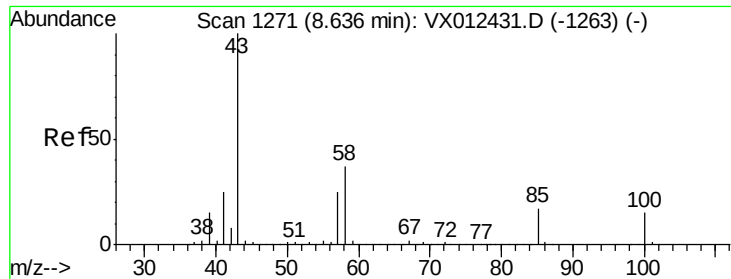
MMDadoda  
9/30/2019 8:24:31 AM



#50  
Toluene-d8  
Concen: 52.511 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.1  | 53.4  | 80.2  |





#51

4-Methyl-2-Pentanone

Concen: 235.300 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 932857

Ion Ratio Lower Upper

43 100

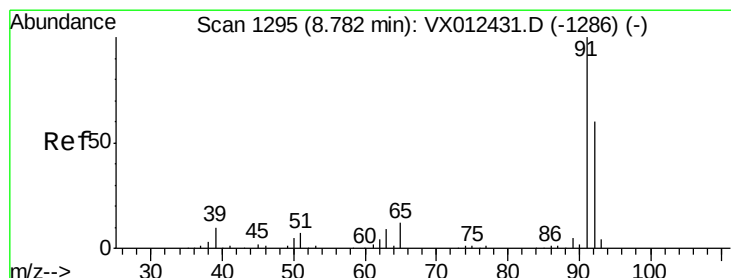
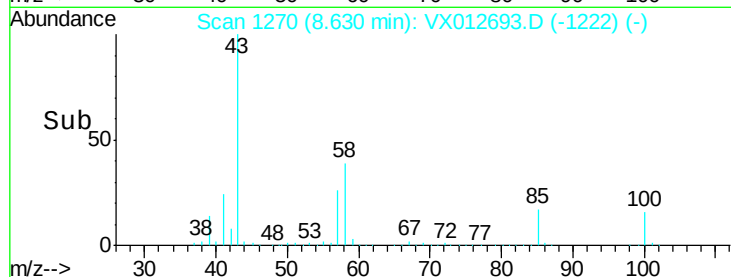
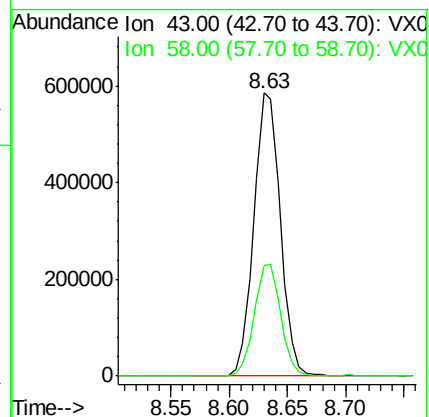
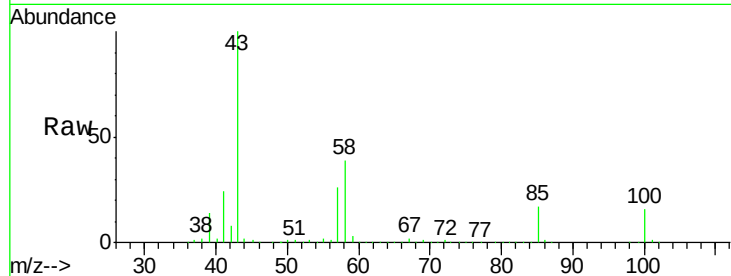
58 39.4 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 50.309 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012693.D

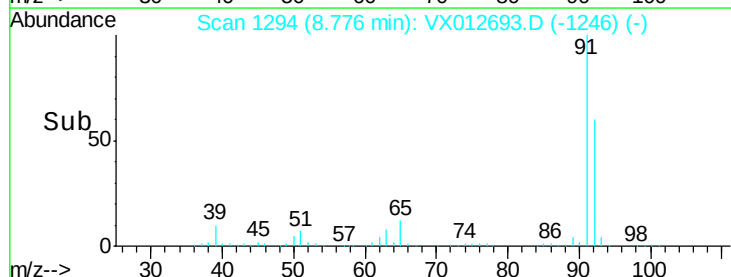
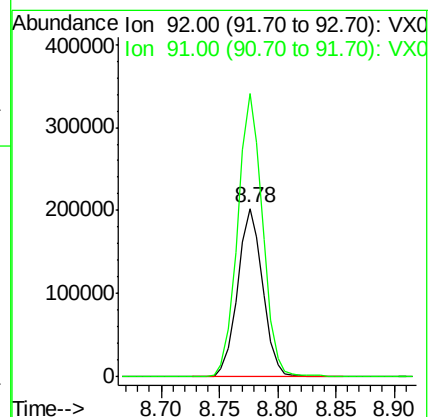
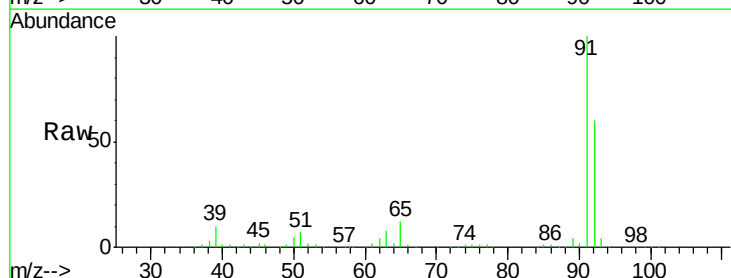
Acq: 27 Sep 2019 14:18

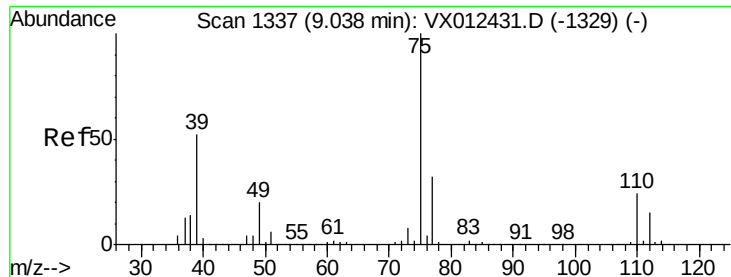
Tgt Ion: 92 Resp: 305617

Ion Ratio Lower Upper

92 100

91 167.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 51.803 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Tot Ion: 75 Resp: 193002

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

Instrument :

MSVOA\_X

ClientSampleId :

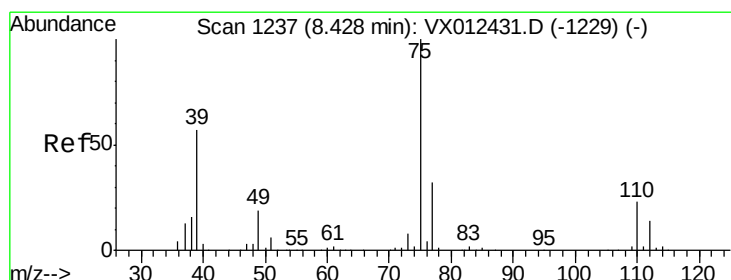
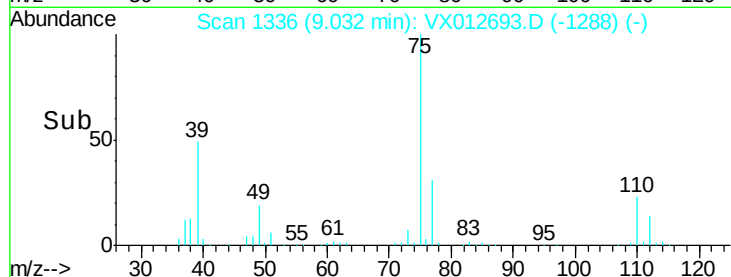
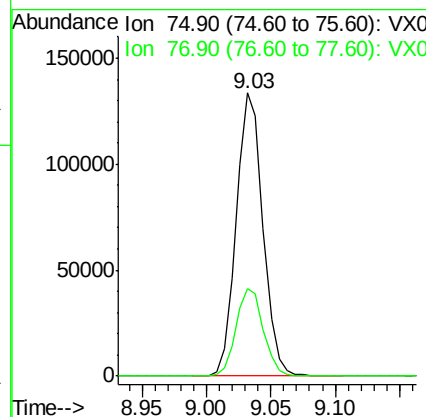
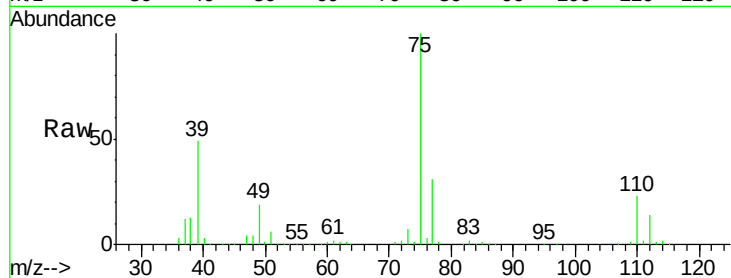
VSTDCCC050EC

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.343 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

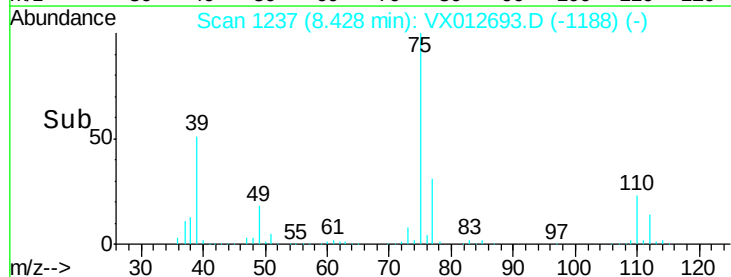
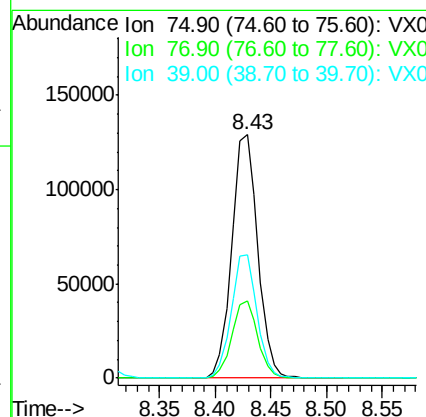
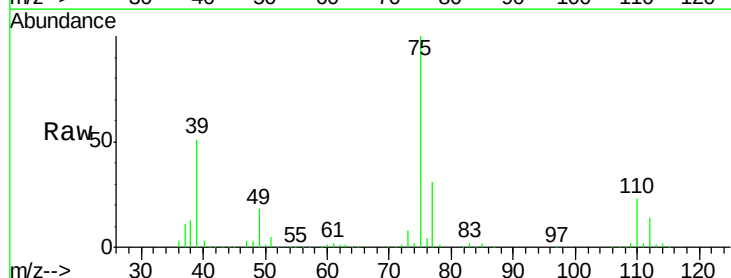
Tgt Ion: 75 Resp: 208854

Ion Ratio Lower Upper

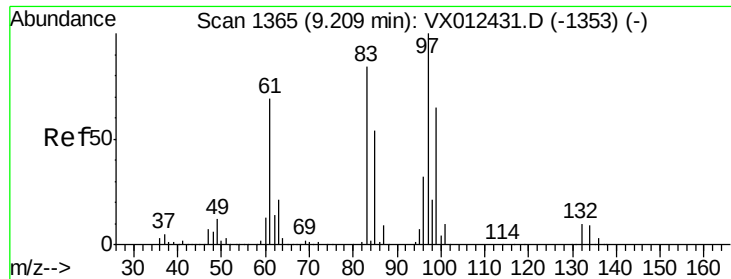
75 100

77 31.5 25.8 38.8

39 50.8 45.5 68.3







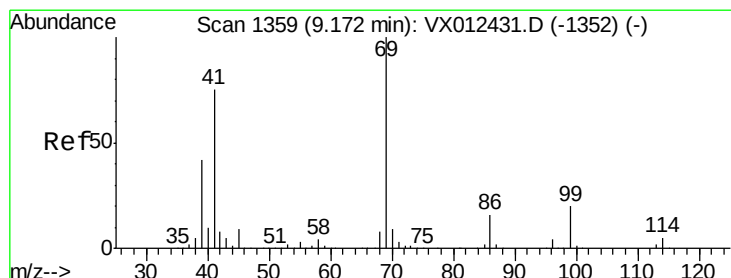
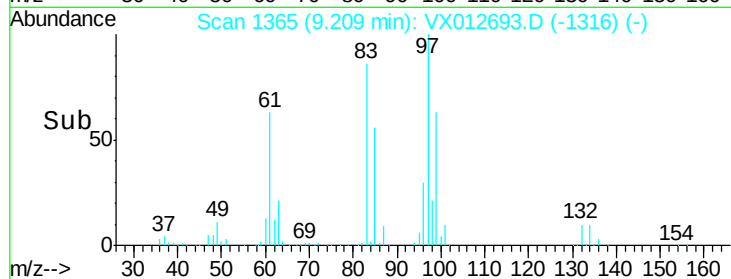
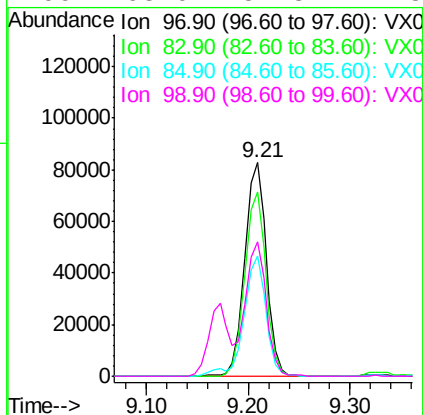
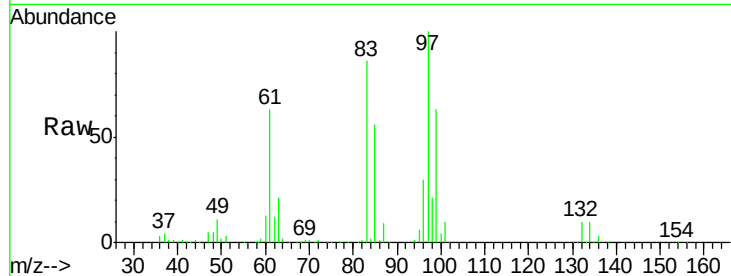
#55  
 1,1,2-Trichloroethane  
 Concen: 50.530 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 122039 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.5  | 67.4  | 101.2  |
| 85       | 56.1  | 43.5  | 65.3   |
| 99       | 63.0  | 51.8  | 77.8   |

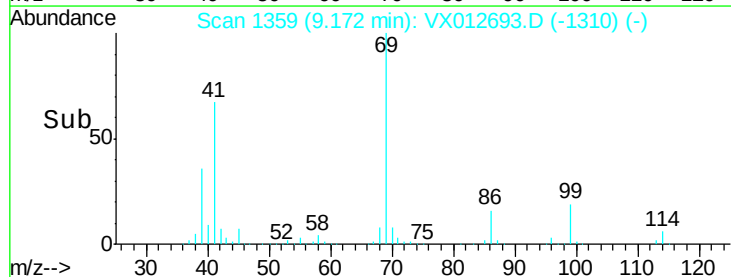
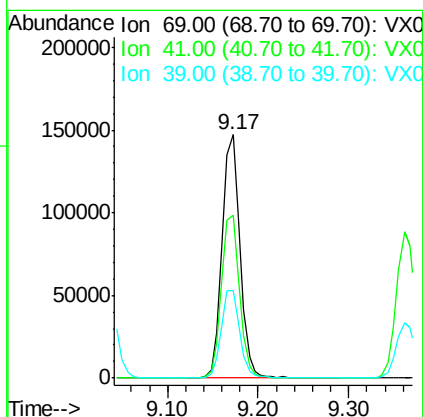
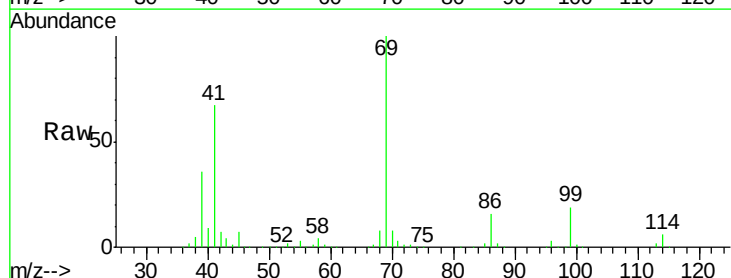
Manual Integrations  
 APPROVED

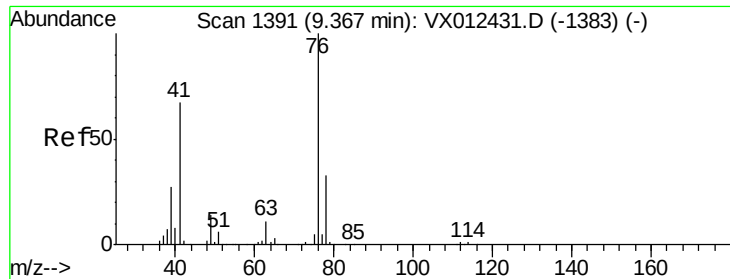
MMDadoda  
 9/30/2019 8:24:31 AM



#56  
 Ethyl methacrylate  
 Concen: 50.221 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 203773 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 68.3  | 58.4  | 87.6   |
| 39       | 36.8  | 33.4  | 50.0   |





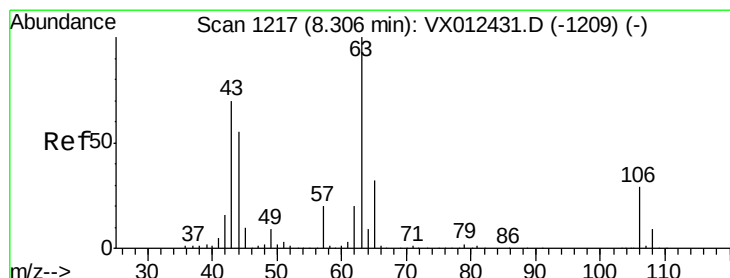
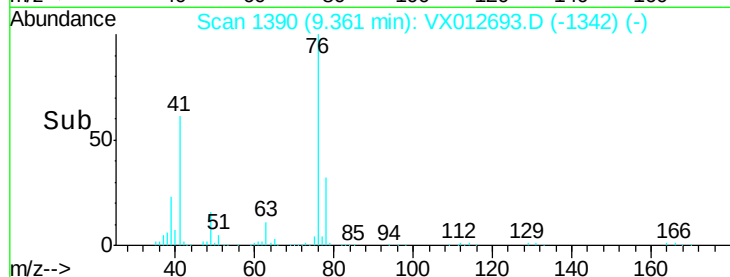
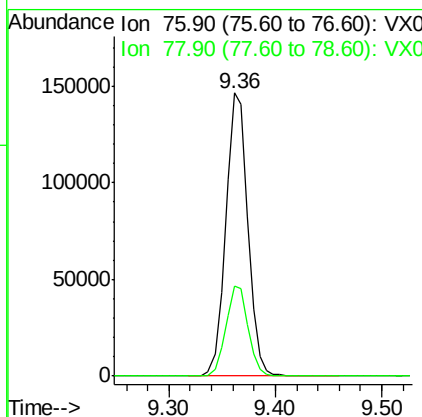
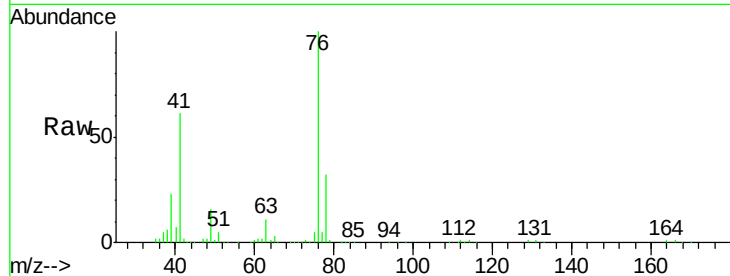
#57  
 1,3-Dichloropropane  
 Concen: 50.173 ug/l  
 RT: 9.36 min Scan# 1390  
 Delta R.T. -0.01 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 212080  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 26.2 39.2

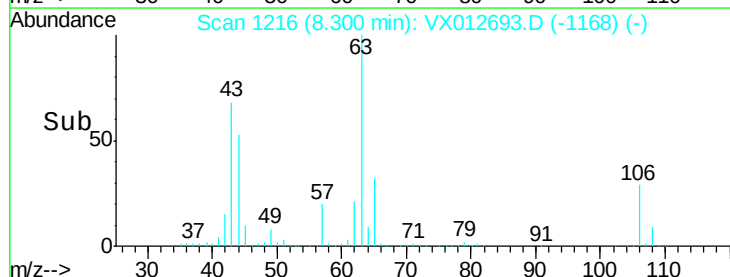
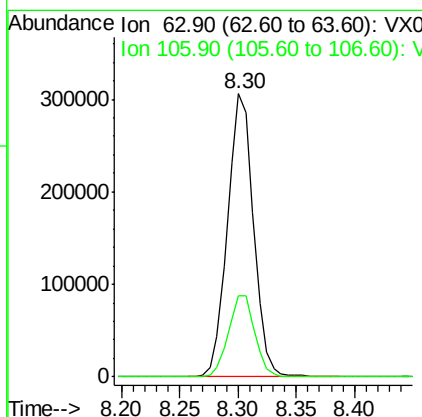
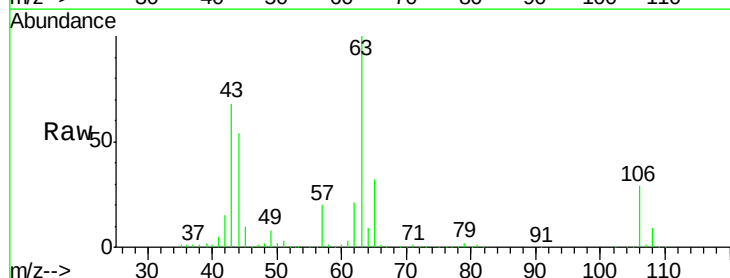
Manual Integrations  
 APPROVED

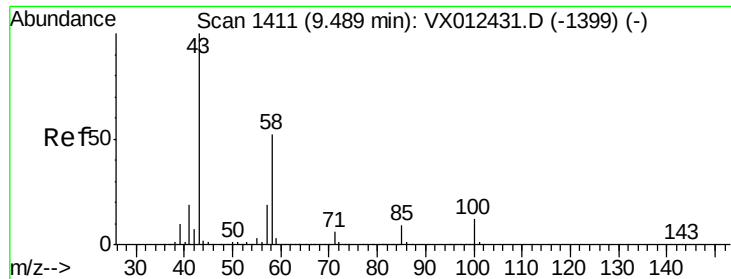
MMDadoda  
 9/30/2019 8:24:31 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 261.204 ug/l  
 RT: 8.30 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Tgt Ion: 63 Resp: 475733  
 Ion Ratio Lower Upper  
 63 100  
 106 29.3 23.8 35.6





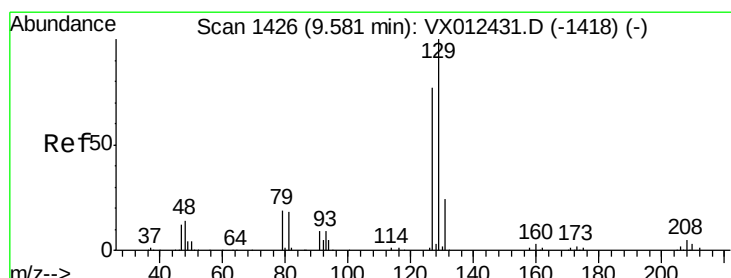
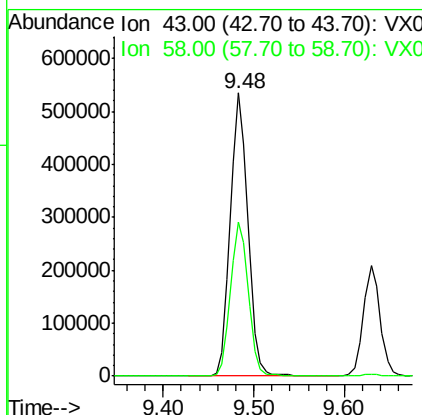
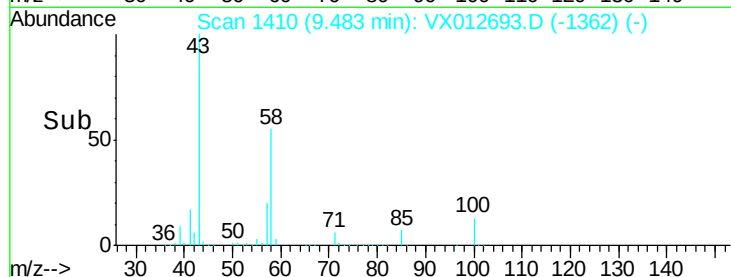
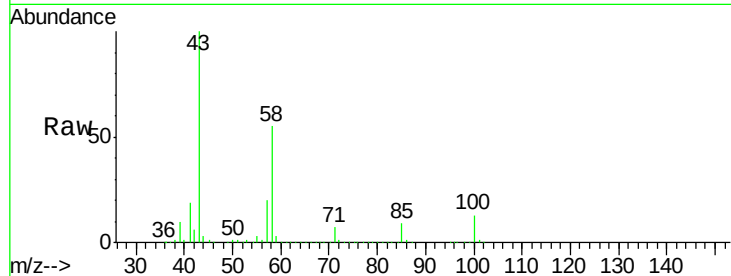
#59  
2-Hexanone  
Concen: 238.138 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 722657  
Ion Ratio Lower Upper  
43 100  
58 55.2 25.7 77.1

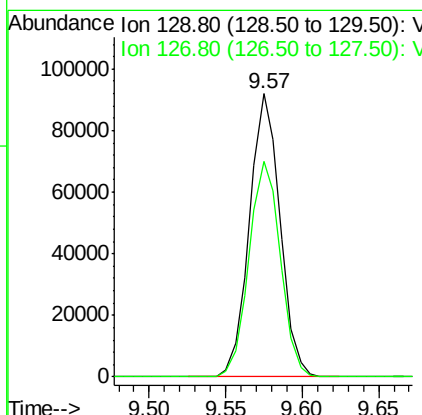
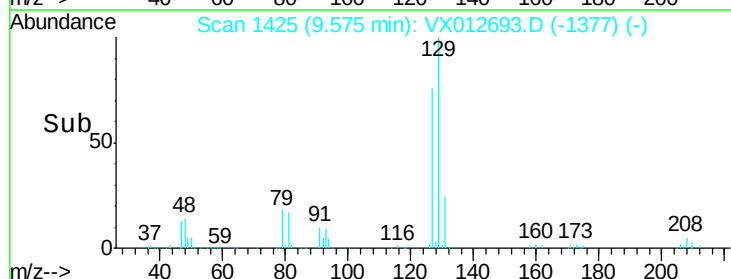
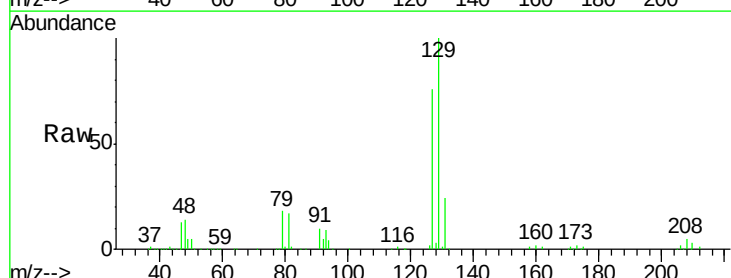
Manual Integrations  
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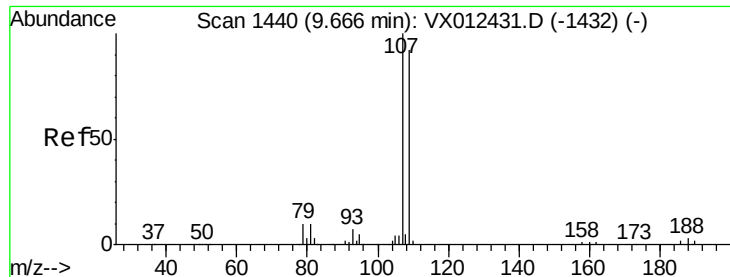
MMDadoda  
9/30/2019 8:24:31 AM



#60  
Dibromochloromethane  
Concen: 52.353 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Tgt Ion: 129 Resp: 127995  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 51.218 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 128738

Ion Ratio Lower Upper

107 100

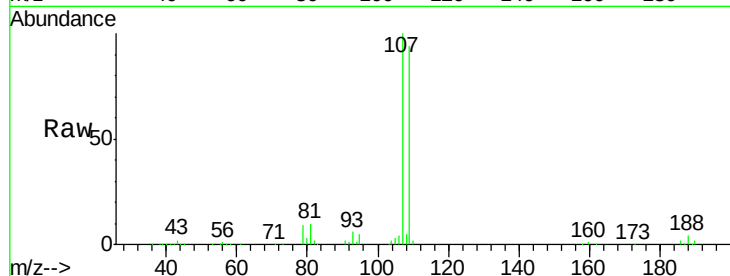
109 92.4 74.7 112.1

Manual Integrations

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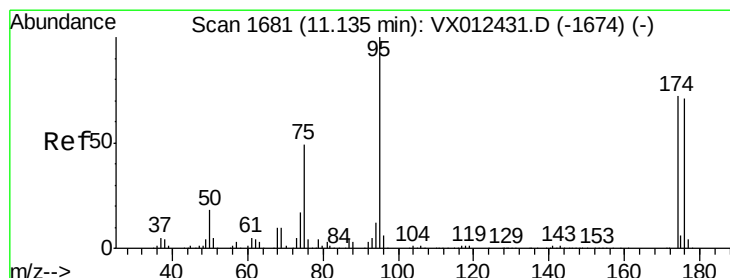
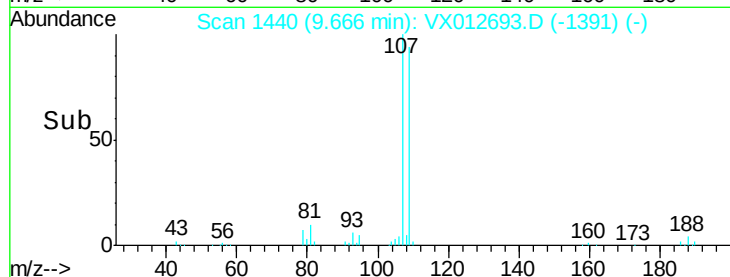
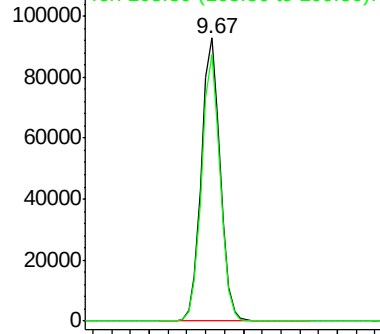
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.622 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

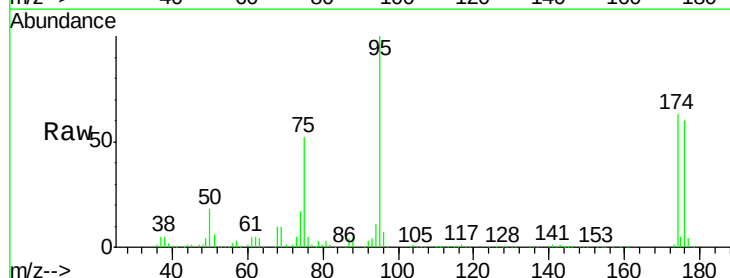
Tgt Ion: 95 Resp: 164801

Ion Ratio Lower Upper

95 100

174 68.2 0.0 140.0

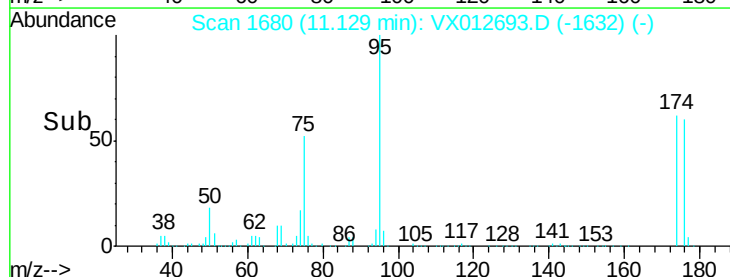
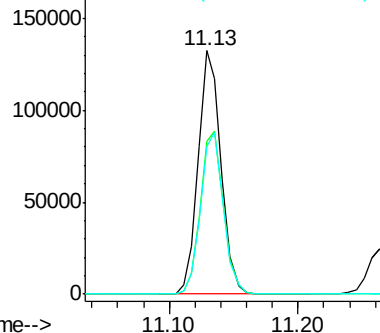
176 66.4 0.0 135.4

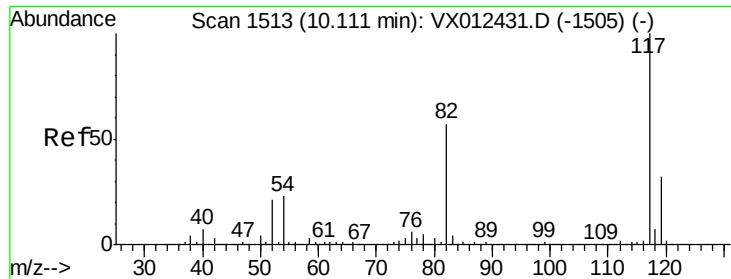


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





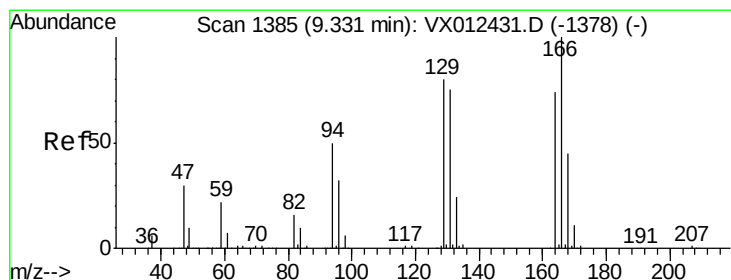
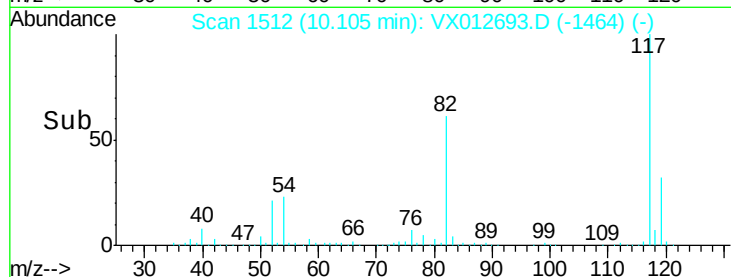
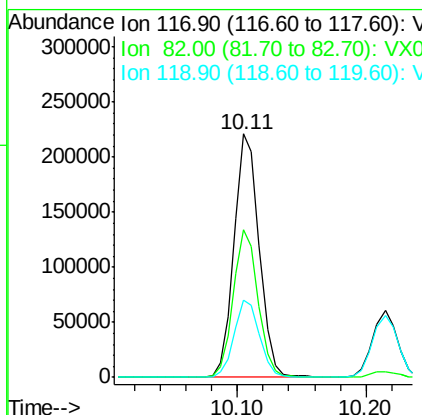
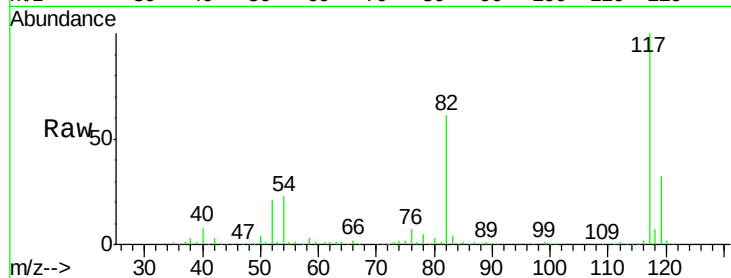
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.7  | 45.9  | 68.9  |
| 119     | 31.8  | 25.3  | 37.9  |

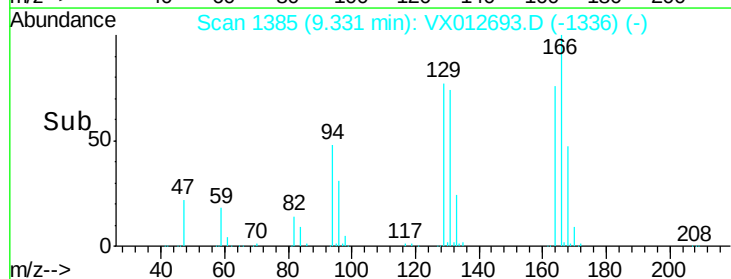
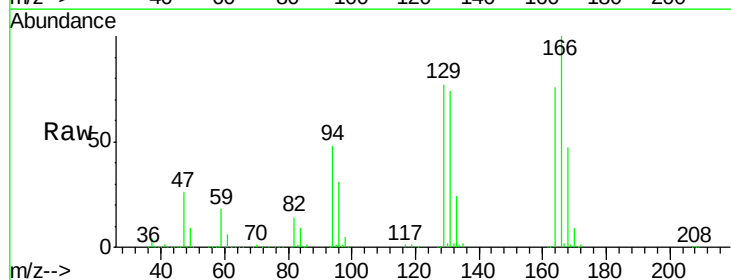
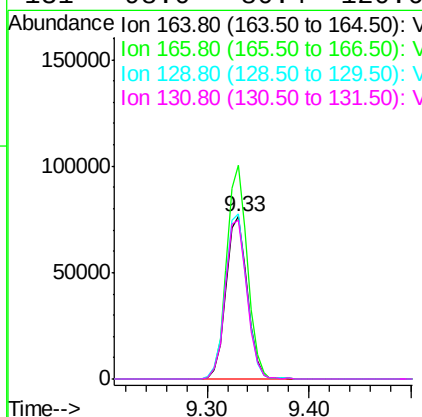
Manual Integrations  
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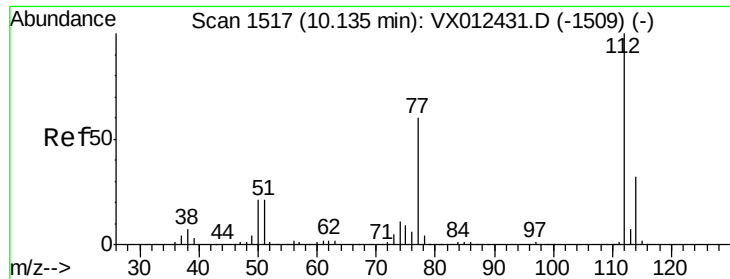
MMDadoda  
9/30/2019 8:24:31 AM



#64  
Tetrachloroethene  
Concen: 52.362 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.8 | 107.8 | 161.6 |
| 129     | 101.6 | 86.2  | 129.2 |
| 131     | 98.0  | 80.4  | 120.6 |





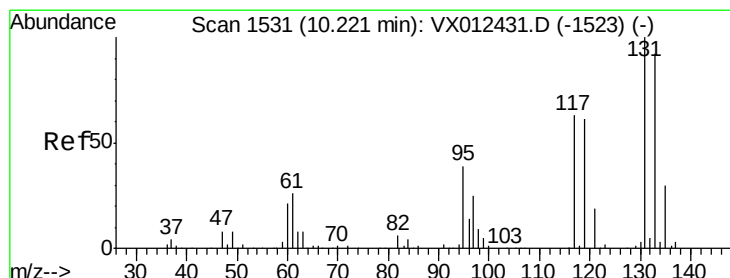
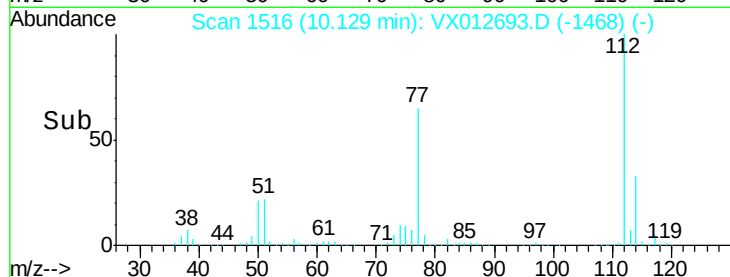
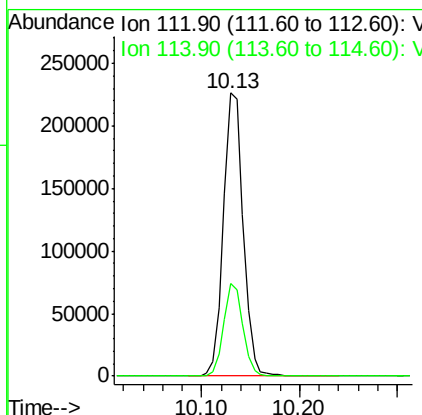
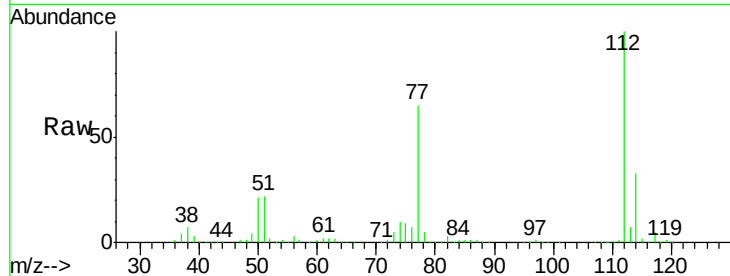
#65  
Chlorobenzene  
Concen: 50.158 ug/l  
RT: 10.13 min Scan# 1516  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 318325  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.4 38.0

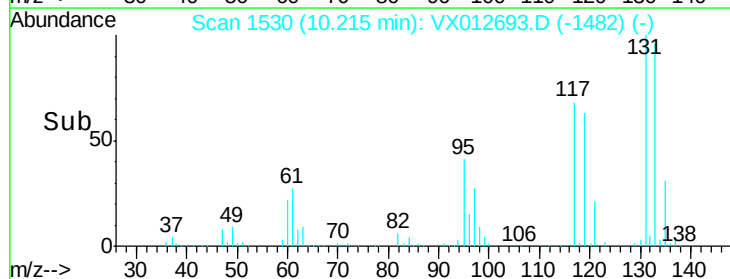
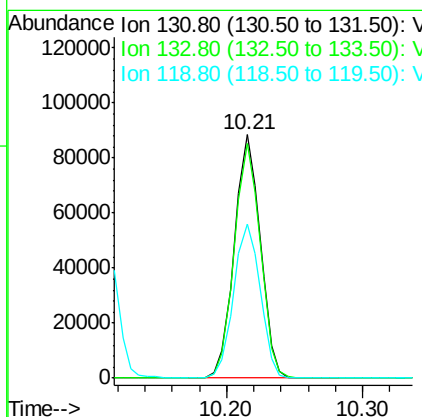
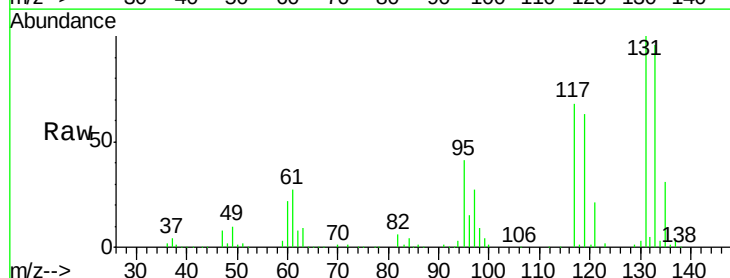
Manual Integrations  
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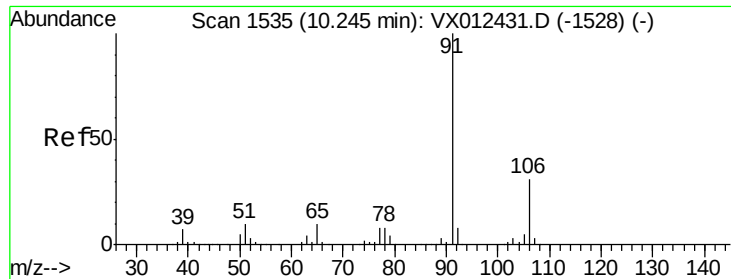
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.198 ug/l  
RT: 10.21 min Scan# 1530  
Delta R.T. -0.01 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Tgt Ion:131 Resp: 117728  
Ion Ratio Lower Upper  
131 100  
133 96.4 47.6 142.9  
119 65.2 31.3 93.8





#67

Ethyl Benzene

Concen: 51.846 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 596786

Ion Ratio Lower Upper

91 100

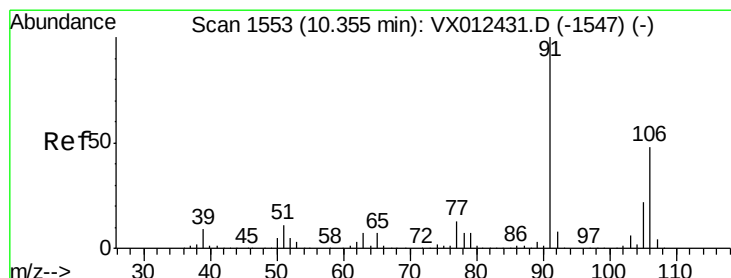
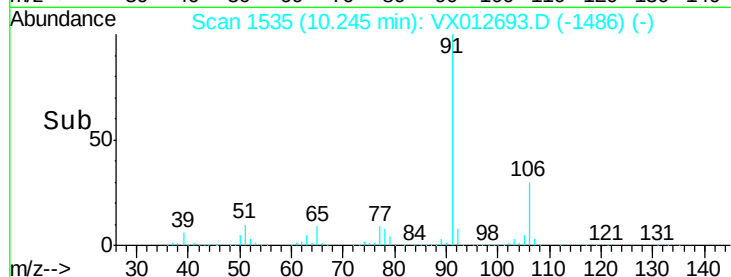
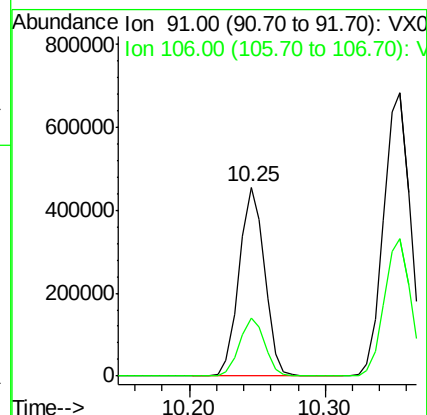
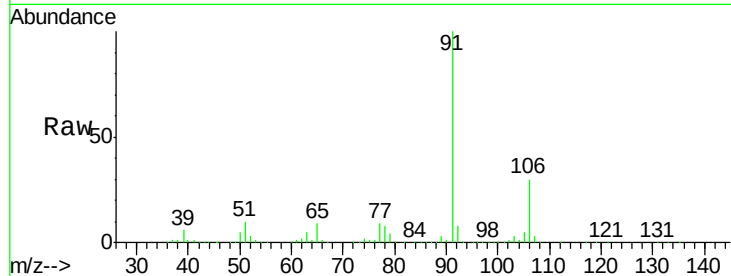
106 30.5 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.904 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012693.D

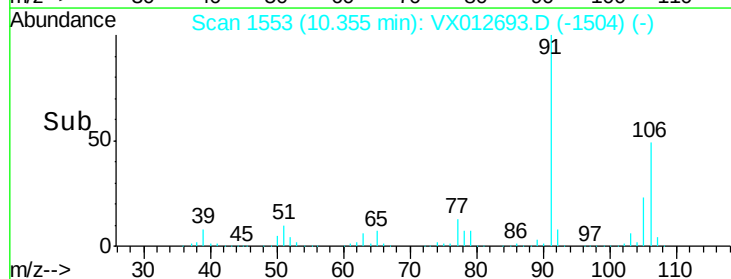
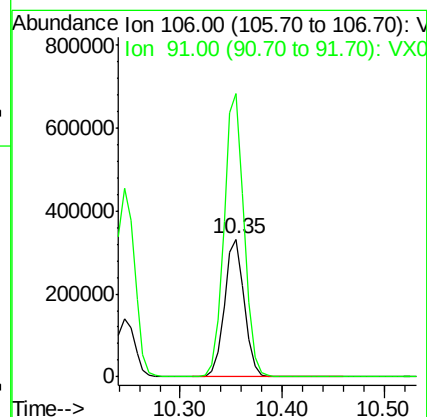
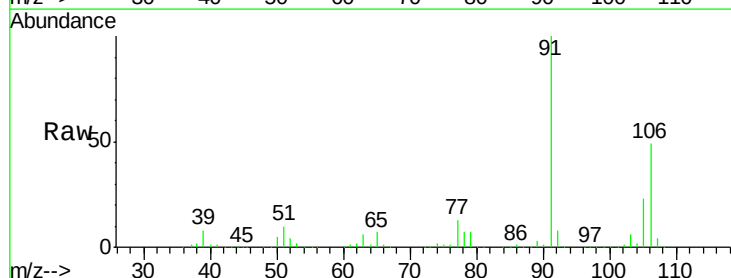
Acq: 27 Sep 2019 14:18

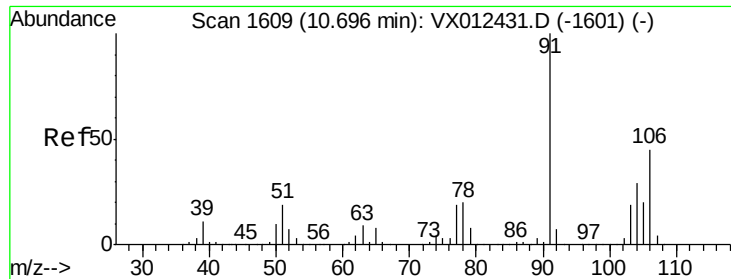
Tgt Ion: 106 Resp: 448028

Ion Ratio Lower Upper

106 100

91 208.5 166.6 250.0





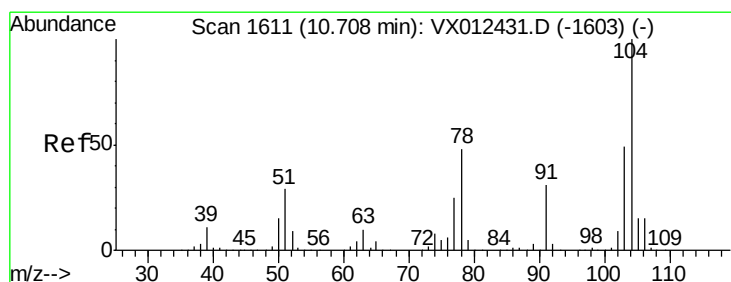
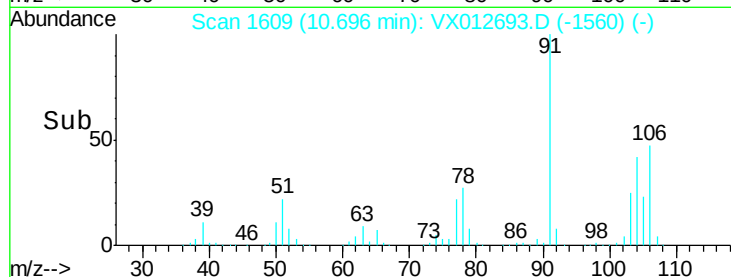
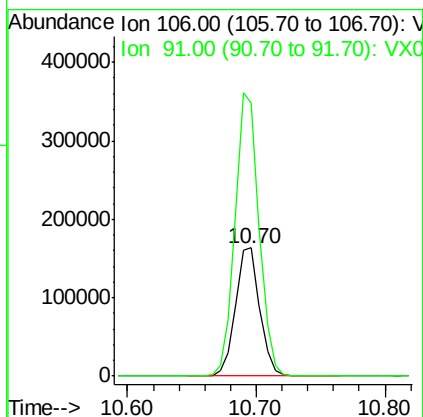
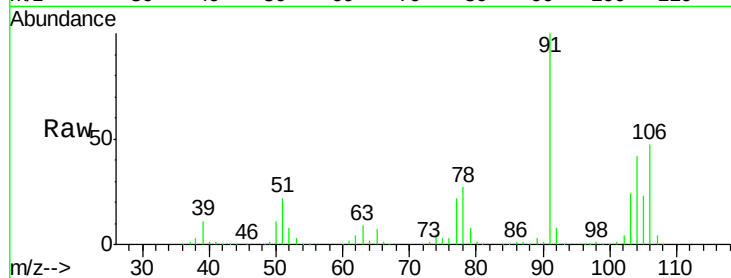
#69  
o-Xylene  
Concen: 51.395 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 214438 |       |       |
| 91      | 218.9 | 109.4 | 328.2  |       |       |

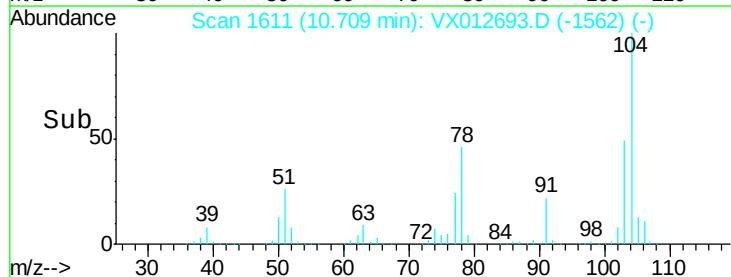
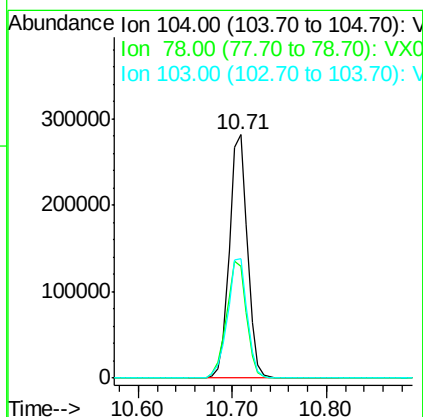
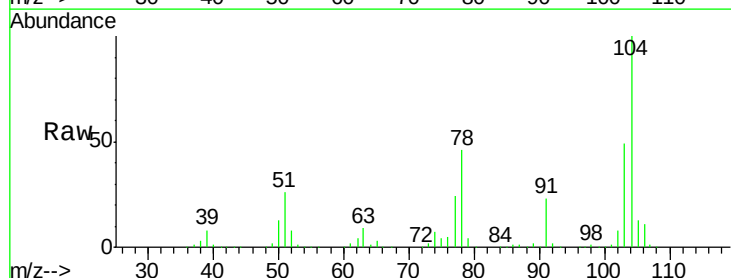
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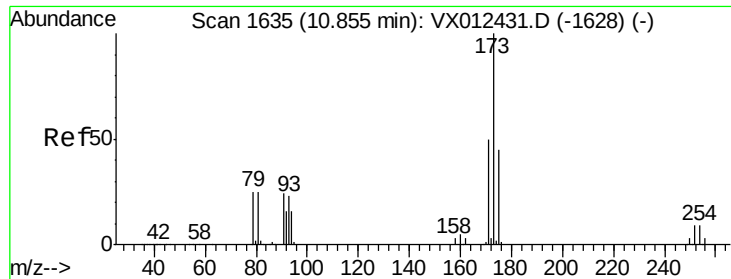


#70  
Styrene  
Concen: 53.604 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 374939 |       |       |
| 78      | 53.0 | 43.4  | 65.2   |       |       |
| 103     | 53.2 | 43.3  | 64.9   |       |       |







#71

Bromoform

Concen: 52.848 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 84616

Ion Ratio Lower Upper

173 100

175 49.4 23.7 71.1

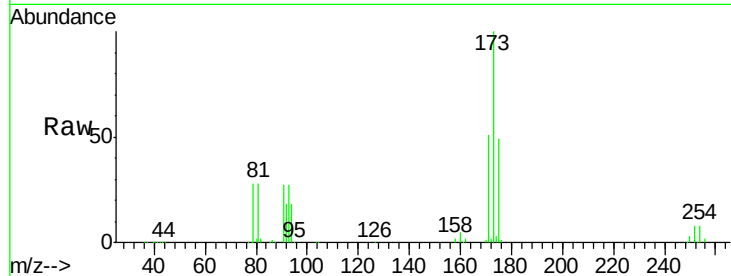
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

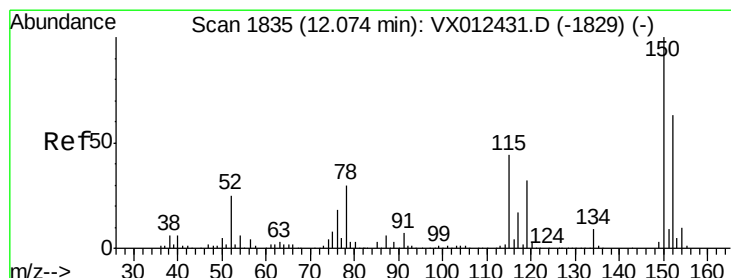
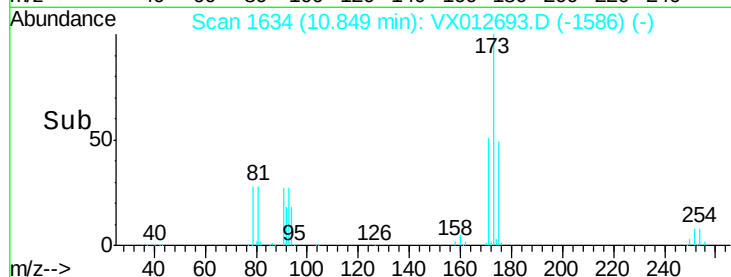
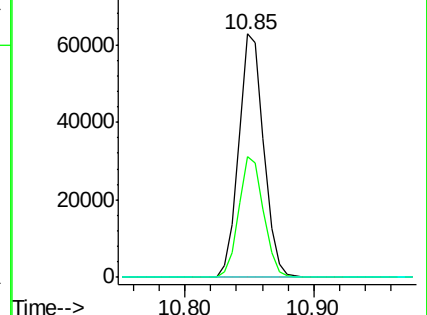
9/30/2019 8:24:31 AM



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

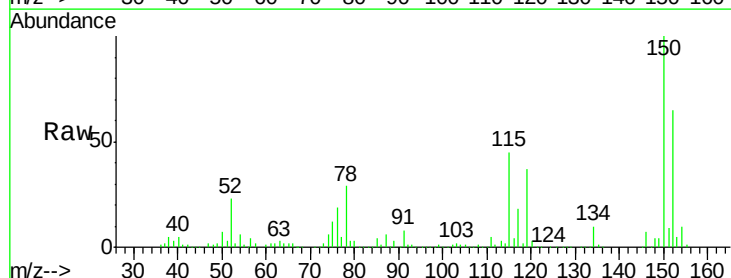
Tgt Ion:152 Resp: 144325

Ion Ratio Lower Upper

152 100

115 91.0 44.1 132.3

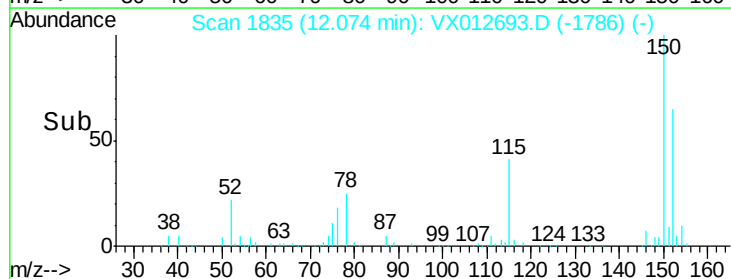
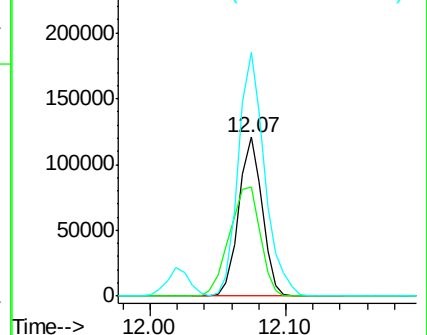
150 172.7 0.0 343.8

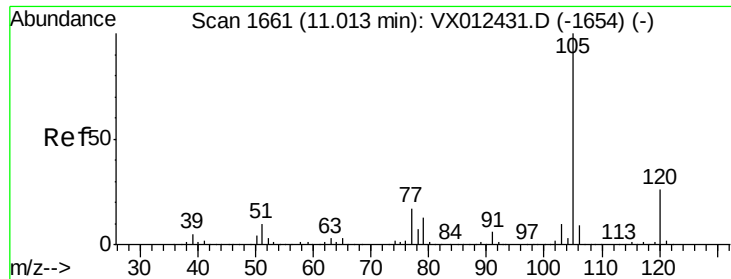


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.689 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 584082

Ion Ratio Lower Upper

105 100

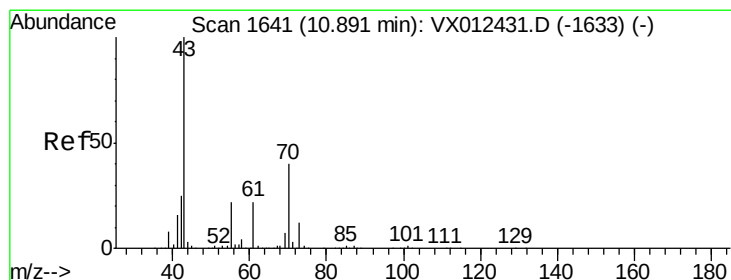
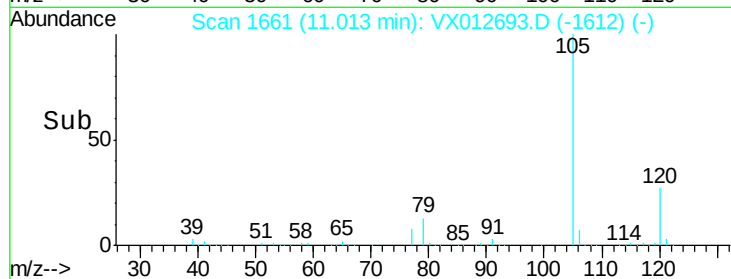
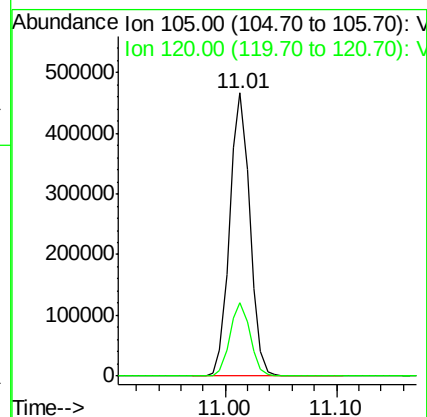
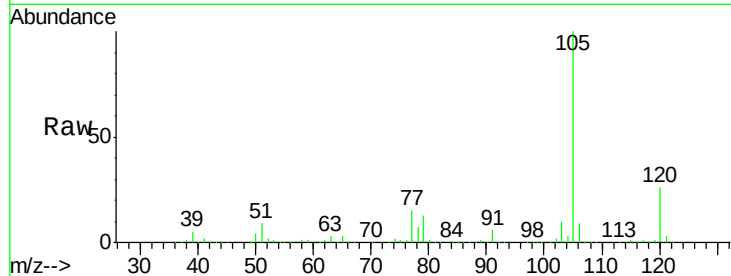
120 26.1 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.493 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Tgt Ion: 43 Resp: 271942

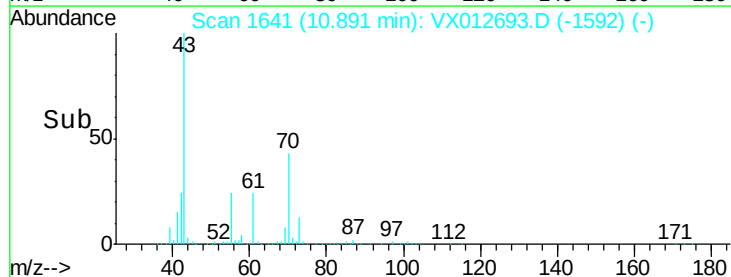
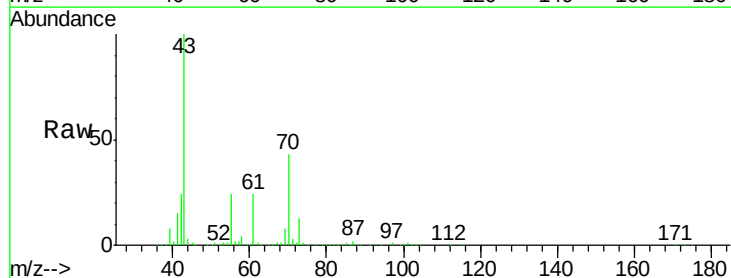
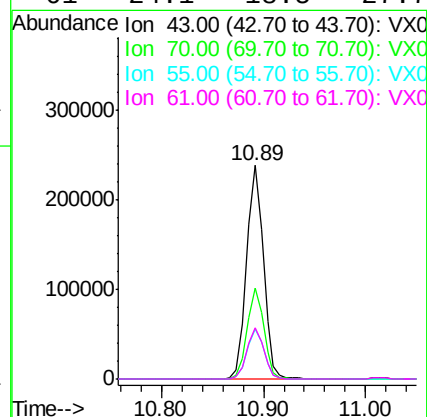
Ion Ratio Lower Upper

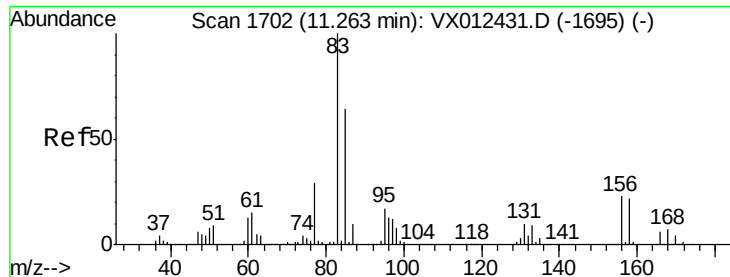
43 100

70 42.6 32.4 48.6

55 23.8 18.2 27.4

61 24.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.641 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

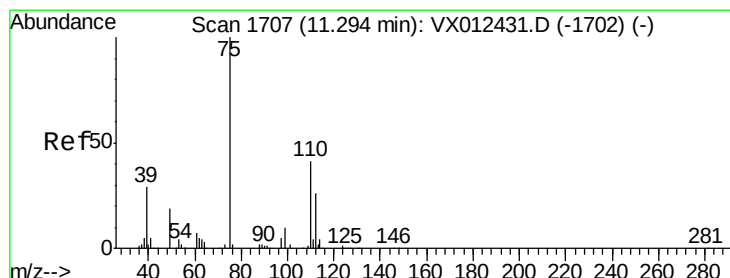
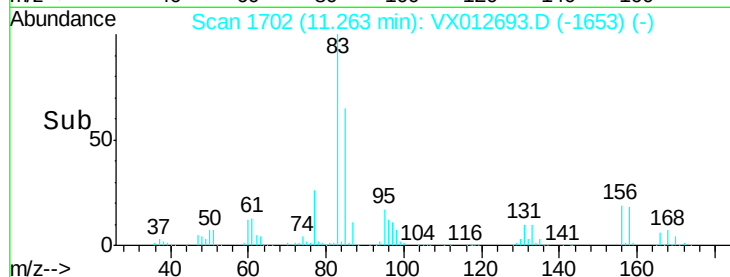
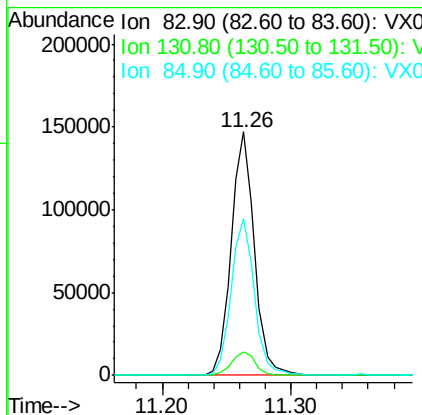
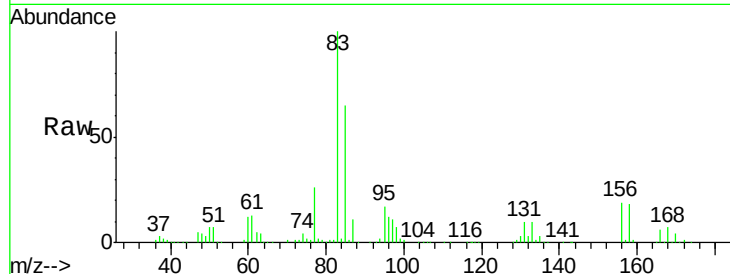
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 185466 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.0  | 5.2   | 15.6   |
| 85        | 64.8  | 32.0  | 96.0   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 41.910 ug/l m

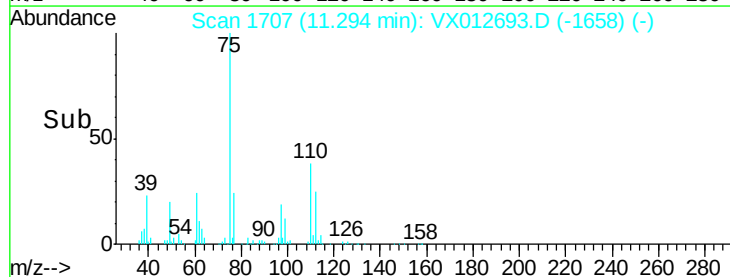
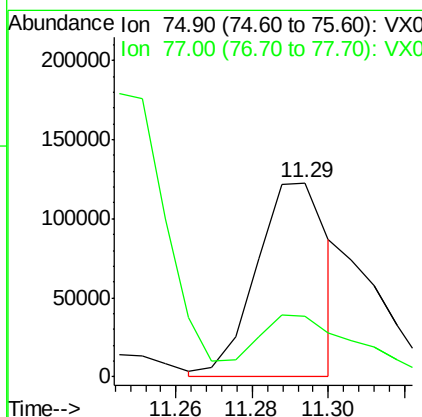
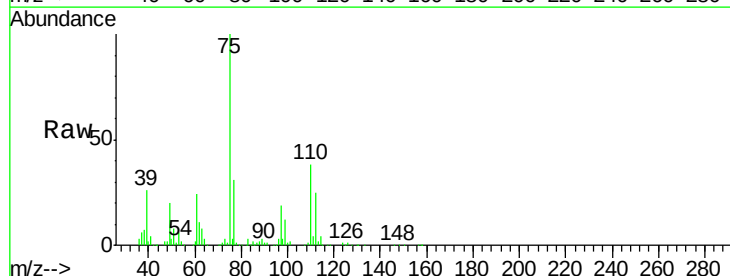
RT: 11.29 min Scan# 1707

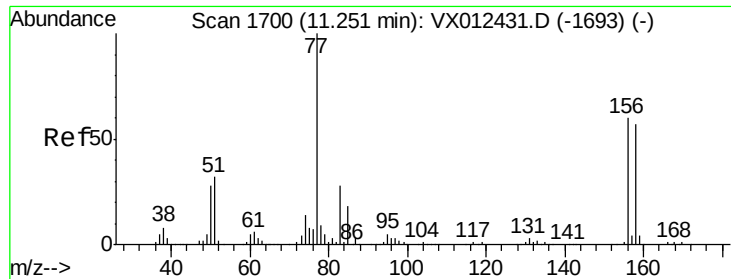
Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 160003 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 42.7  | 19.7  | 59.0   |





#77

Bromobenzene

Concen: 48.830 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

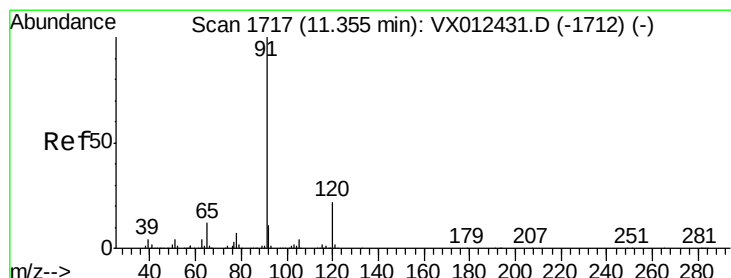
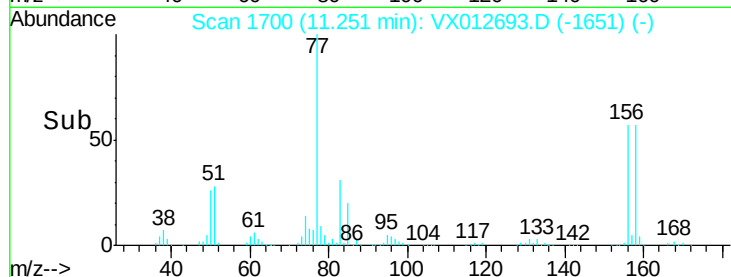
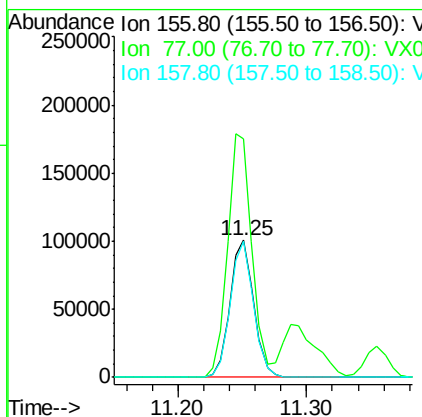
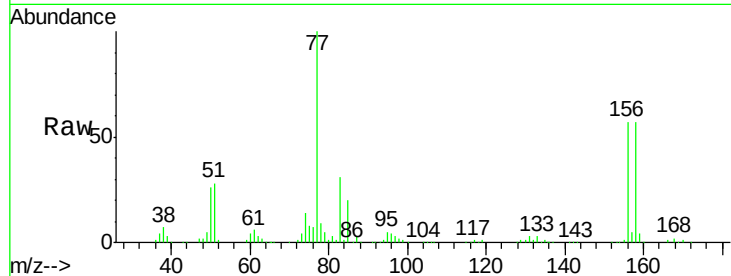
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 129910 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 181.3 | 87.3  | 261.8  |
| 158       | 97.2  | 48.5  | 145.6  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 51.374 ug/l

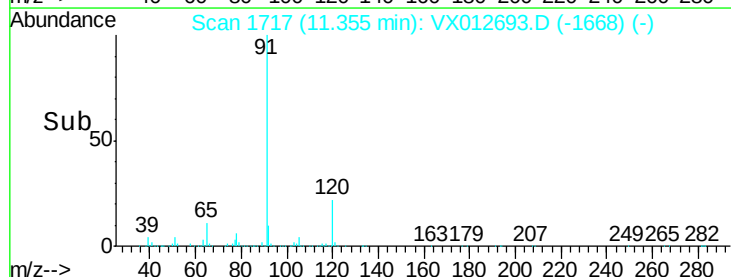
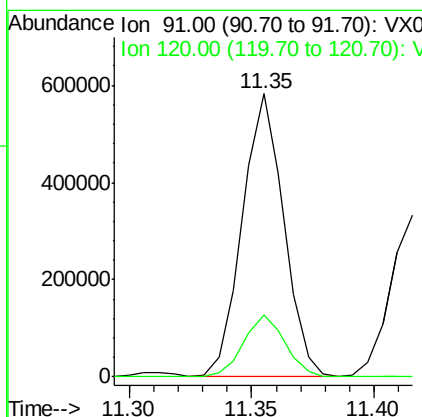
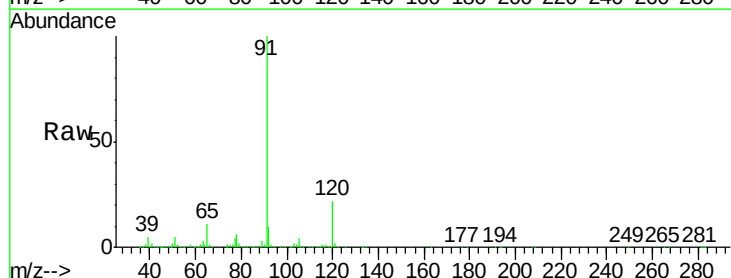
RT: 11.35 min Scan# 1717

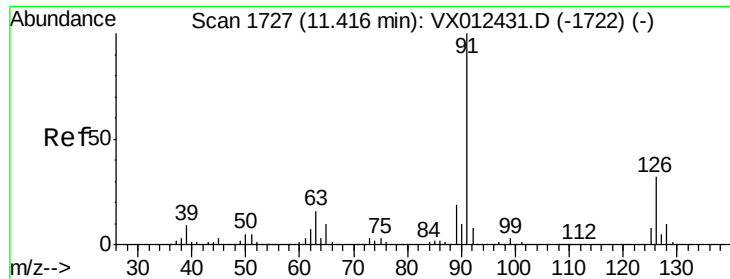
Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 679876 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.0  | 11.3  | 33.8   |





#79

2-Chlorotoluene

Concen: 48.650 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 401633

Ion Ratio Lower Upper

91 100

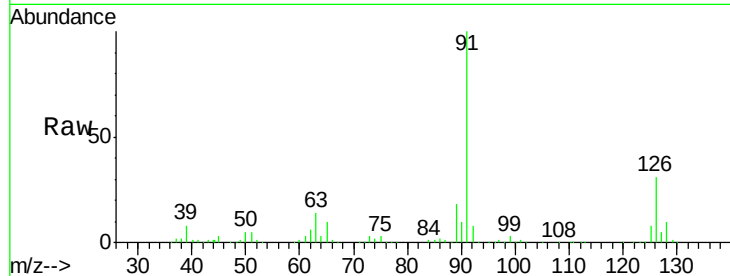
126 31.4 16.4 49.4

Manual Integrations

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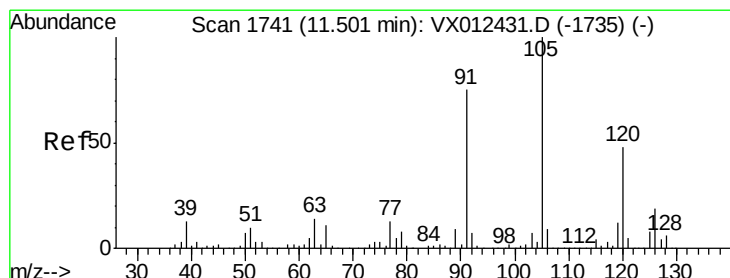
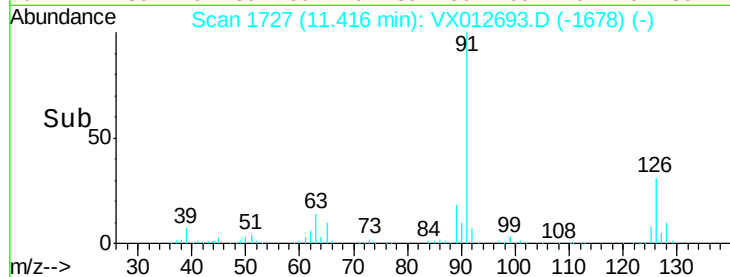
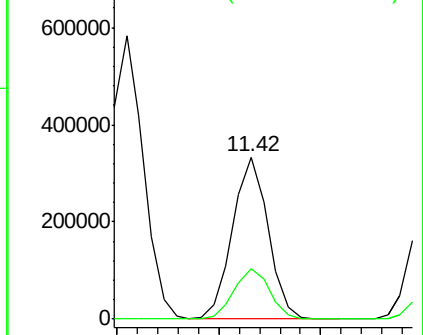
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.147 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012693.D

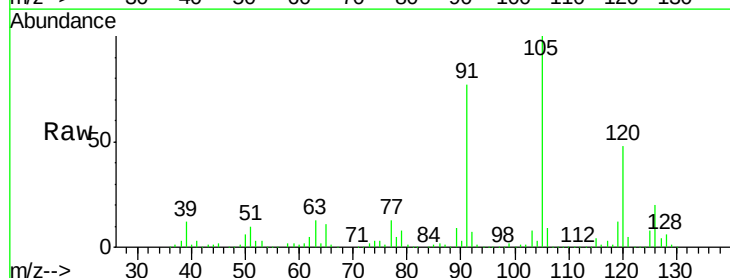
Acq: 27 Sep 2019 14:18

Tgt Ion:105 Resp: 494315

Ion Ratio Lower Upper

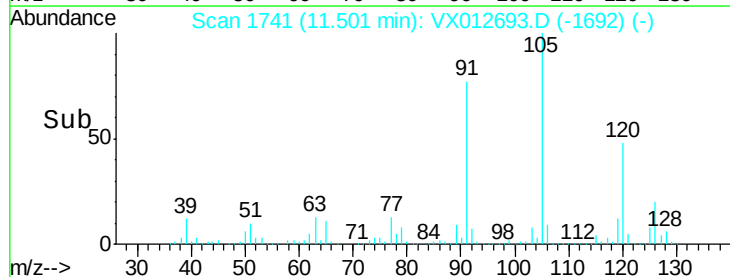
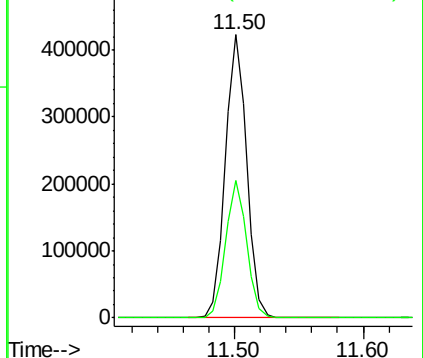
105 100

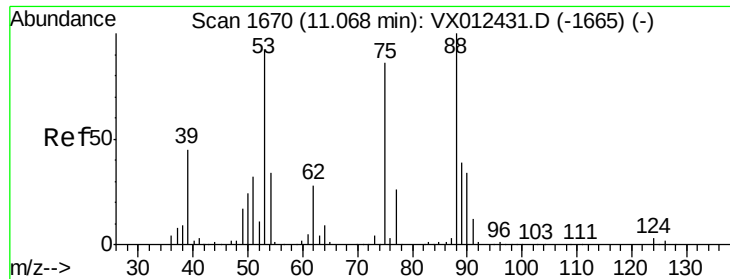
120 48.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.865 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 65098

Ion Ratio Lower Upper

75 100

53 99.2 83.6 125.4

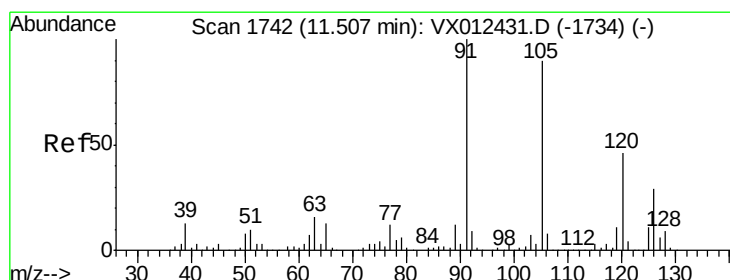
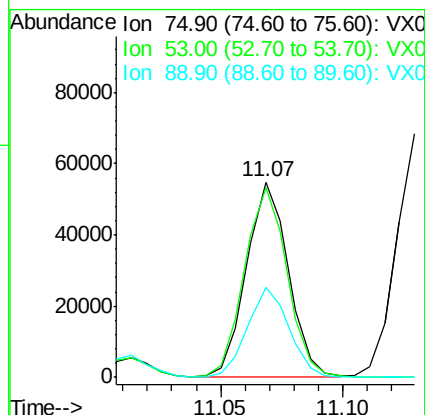
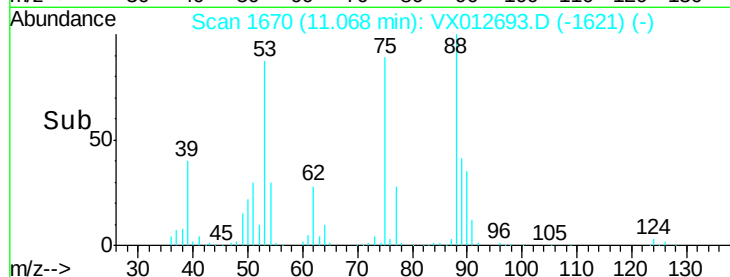
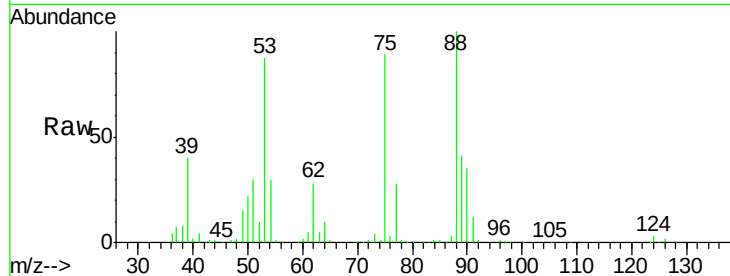
89 46.0 36.3 54.5

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#82

4-Chlorotoluene

Concen: 49.089 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012693.D

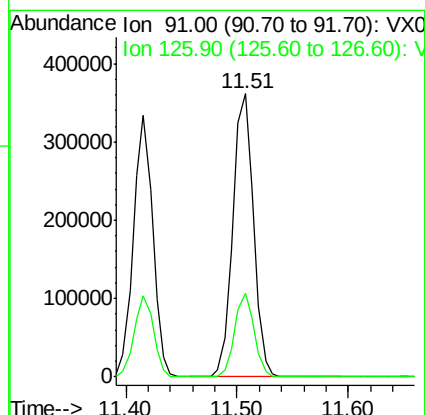
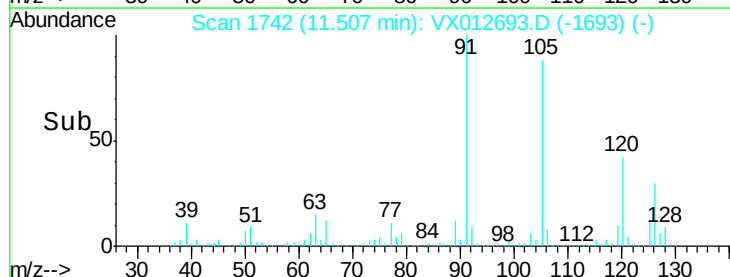
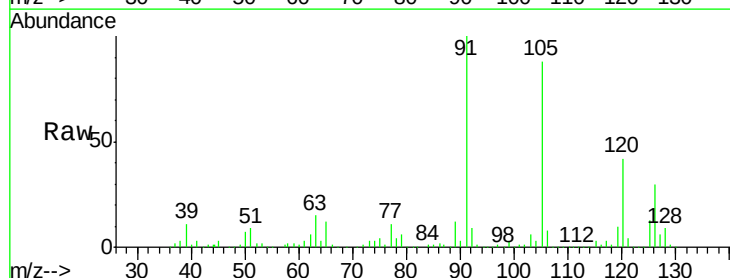
Acq: 27 Sep 2019 14:18

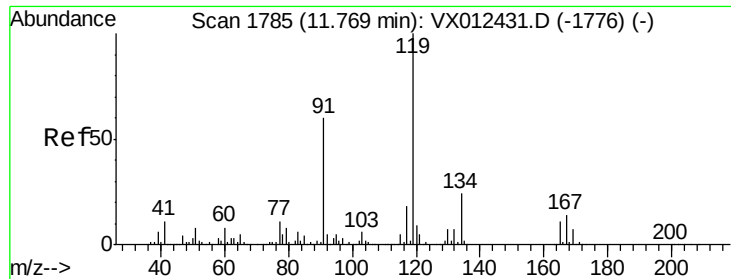
Tgt Ion: 91 Resp: 461969

Ion Ratio Lower Upper

91 100

126 27.9 14.4 43.0





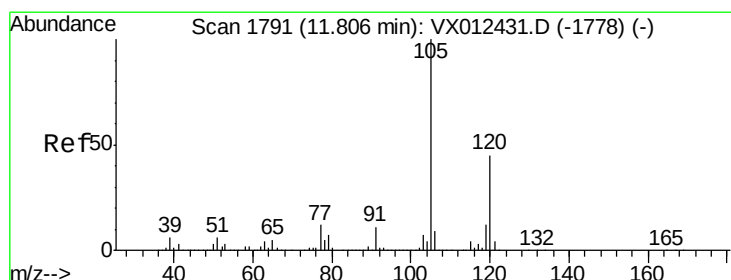
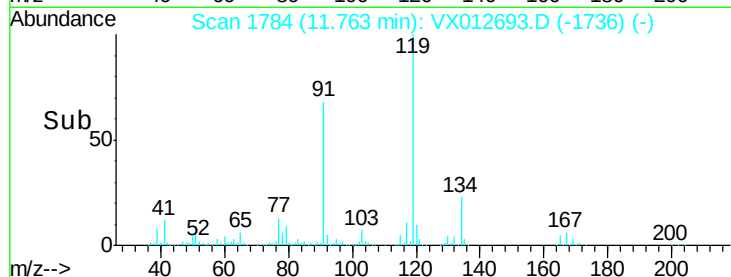
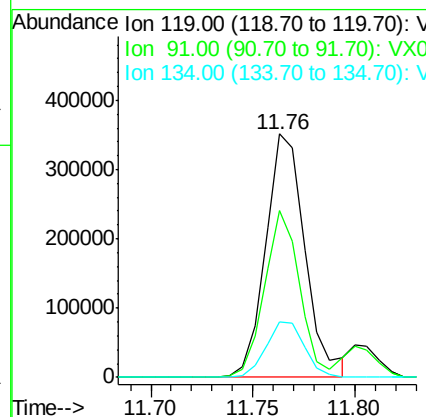
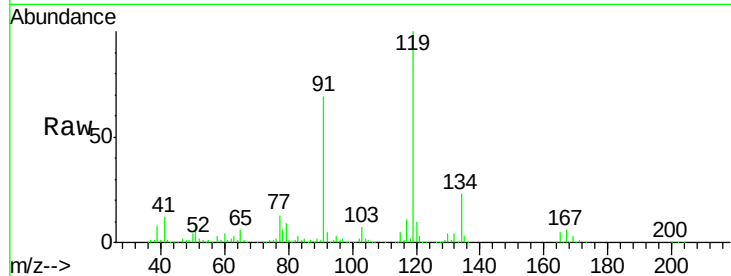
#83  
 tert-Butylbenzene  
 Concen: 49.711 ug/l  
 RT: 11.76 min Scan# 1784  
 Delta R.T. -0.01 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 61.4  | 30.0  | 90.0  |
| 134     | 22.4  | 11.3  | 33.9  |

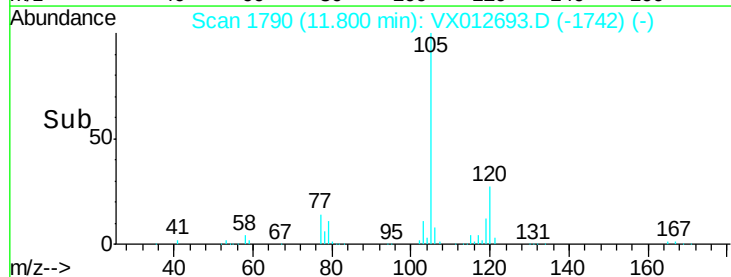
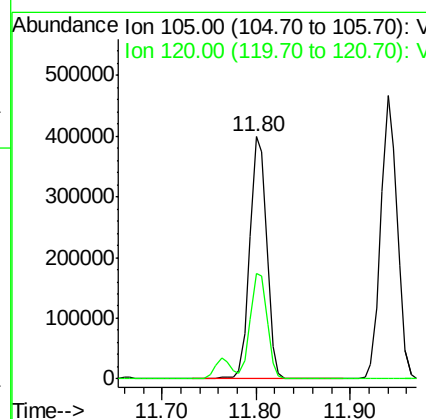
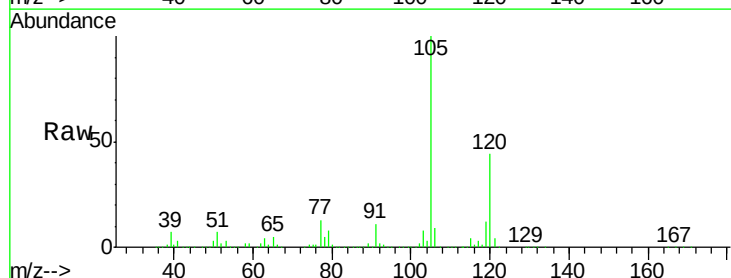
Manual Integrations  
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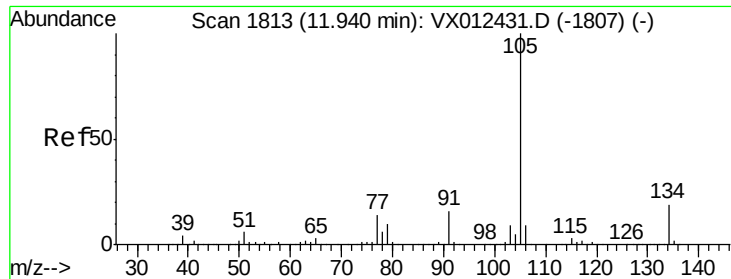
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.167 ug/l  
 RT: 11.80 min Scan# 1790  
 Delta R.T. -0.01 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.5  | 22.2  | 66.6  |





#85

sec-Butylbenzene

Concen: 51.125 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 565430

Ion Ratio Lower Upper

105 100

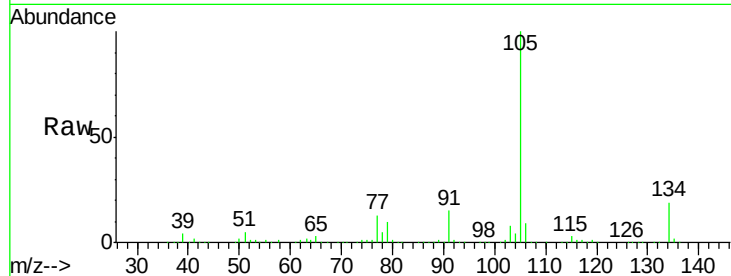
134 19.1 9.8 29.4

Manual Integrations

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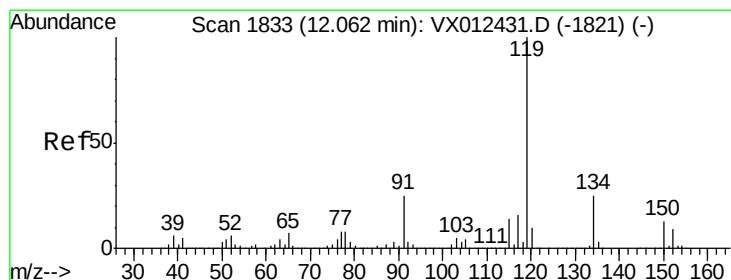
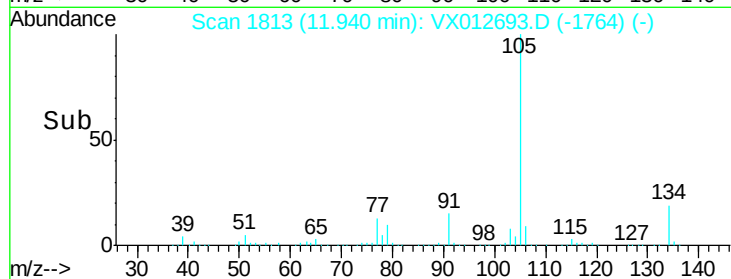
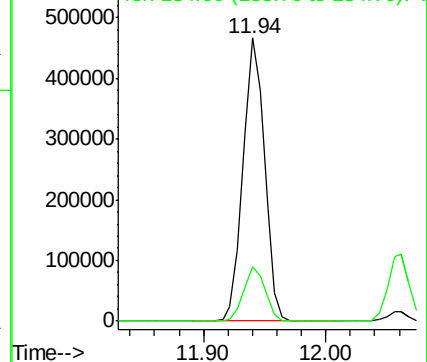
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.470 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

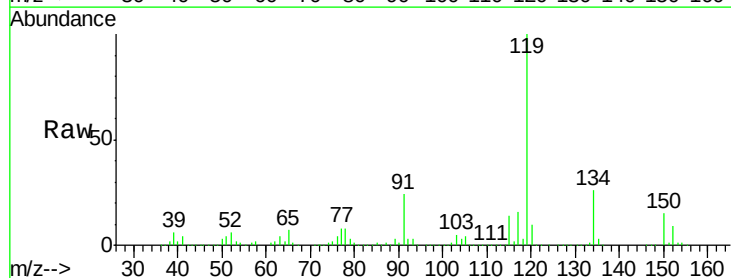
Tgt Ion:119 Resp: 523622

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

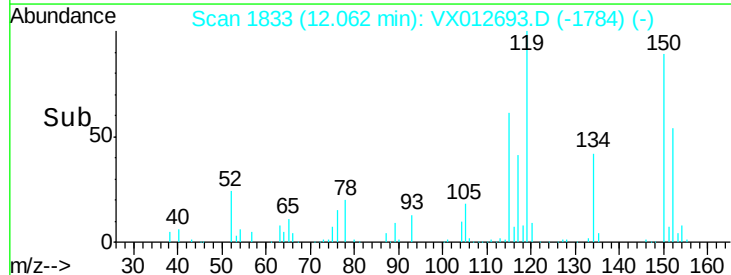
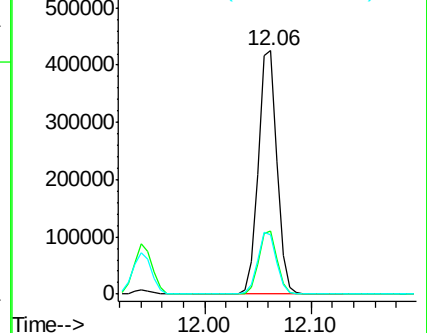
91 25.3 12.8 38.4



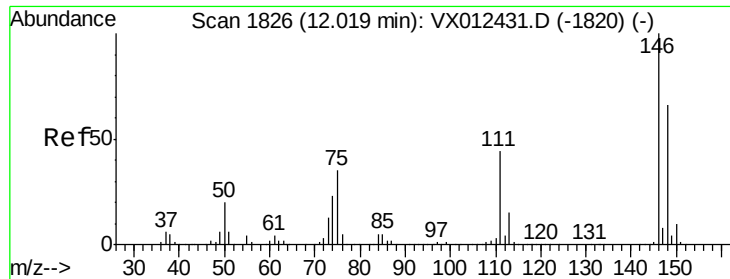
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







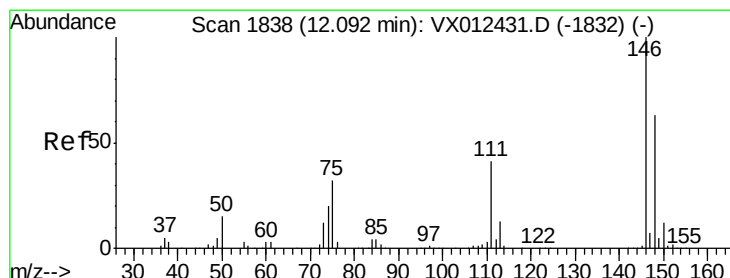
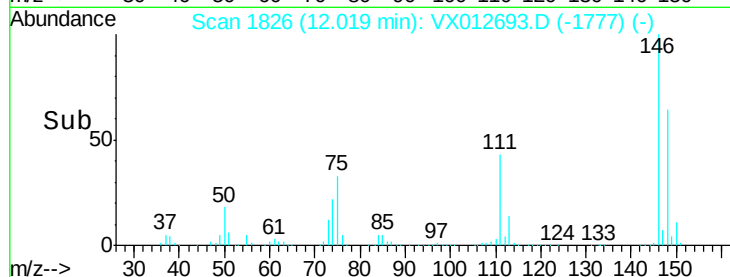
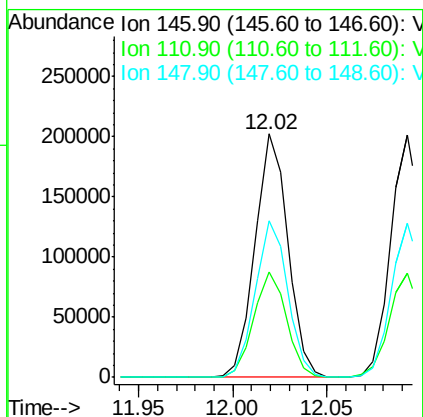
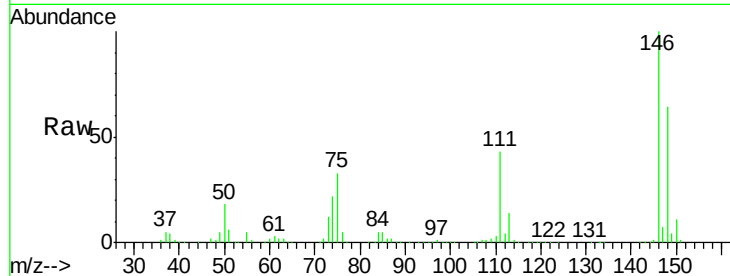
#87  
 1,3-Dichlorobenzene  
 Concen: 51.152 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.4  | 21.3  | 64.0  |
| 148     | 63.6  | 32.4  | 97.2  |

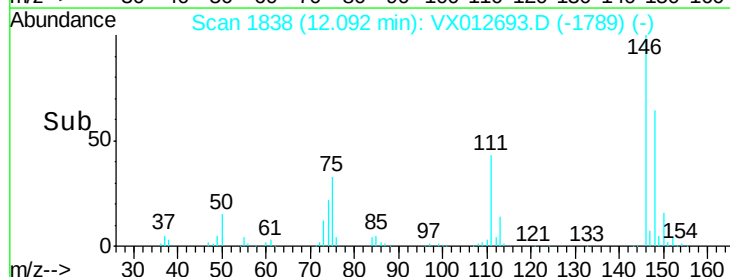
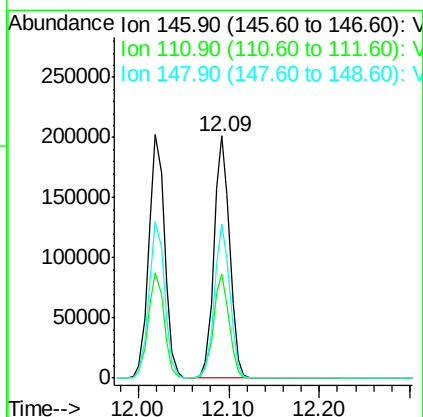
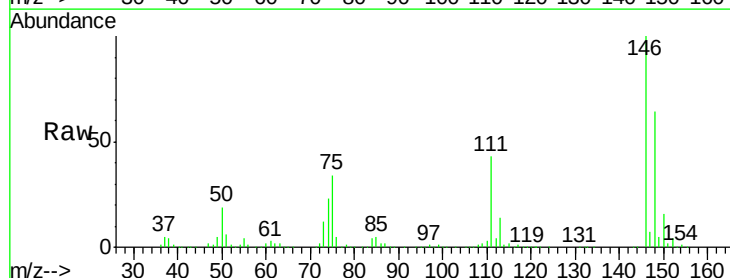
Manual Integrations  
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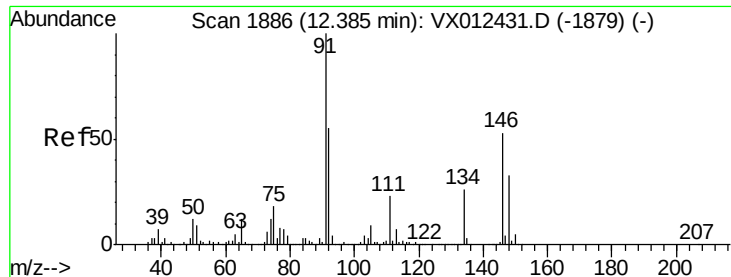
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 50.669 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.3  | 21.1  | 63.3  |
| 148     | 63.1  | 32.1  | 96.5  |





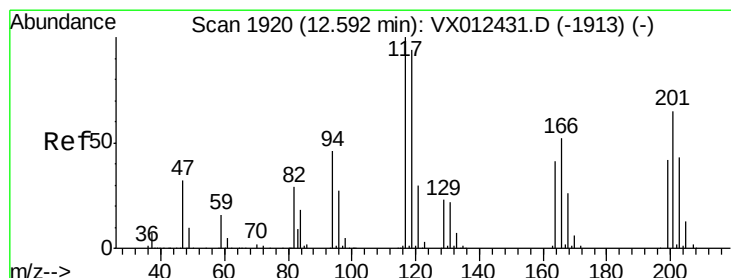
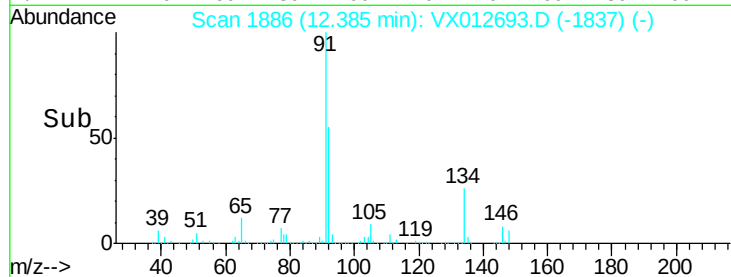
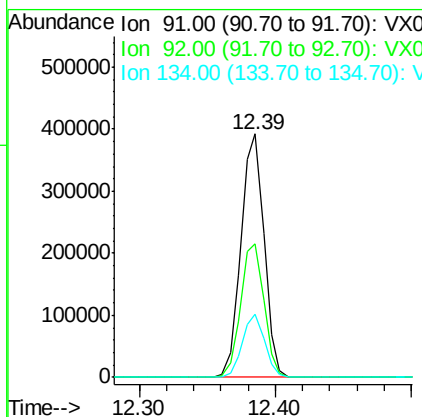
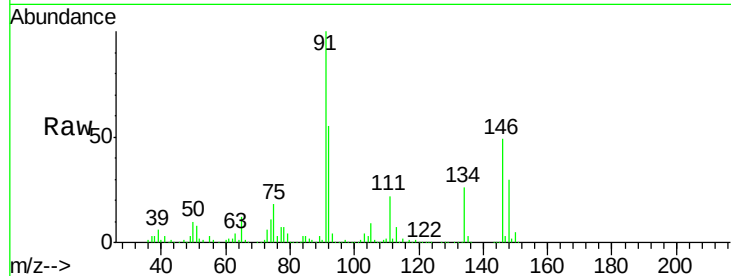
#89  
n-Butylbenzene  
Concen: 52.749 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.4  | 27.7  | 83.0  |
| 134     | 25.1  | 12.9  | 38.6  |

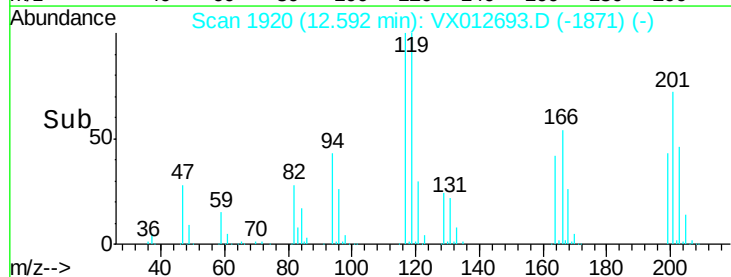
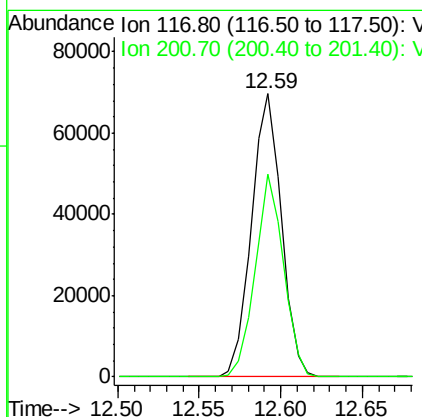
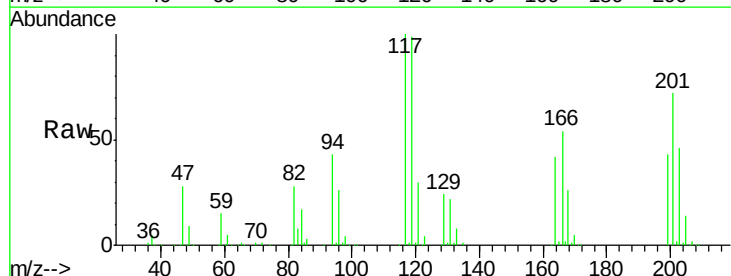
Manual Integrations  
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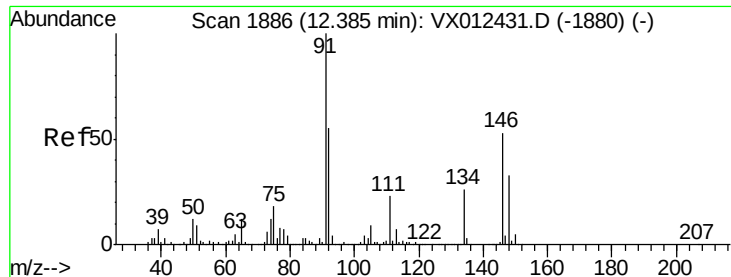
MMDadoda  
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#90  
Hexachloroethane  
Concen: 50.097 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX012693.D  
Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 68.1  | 33.3  | 99.8  |





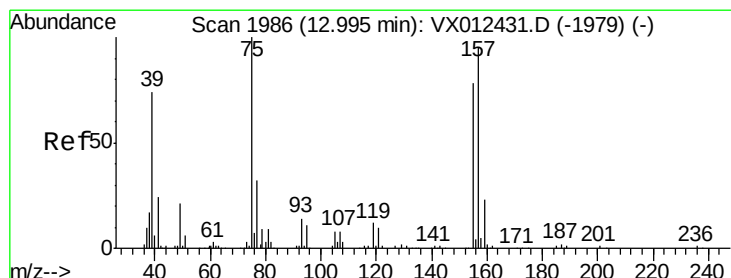
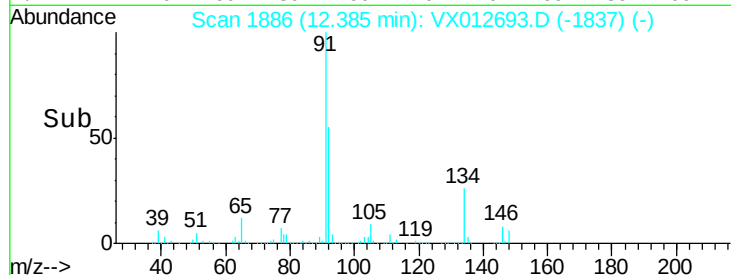
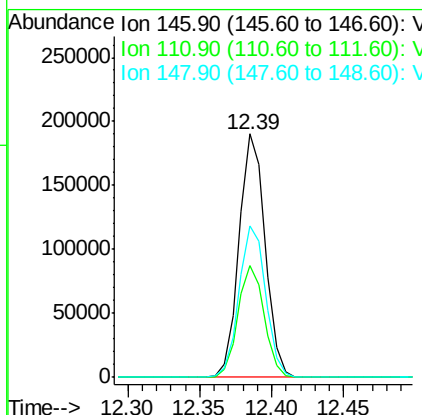
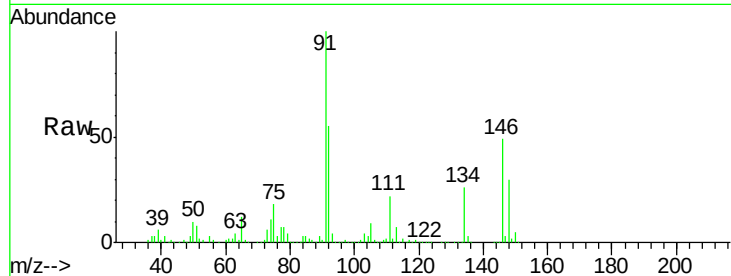
#91  
 1,2-Dichlorobenzene  
 Concen: 49.978 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 239556 |       |       |
| 111     | 46.1  | 22.1   | 66.1  |       |
| 148     | 63.6  | 31.3   | 93.9  |       |

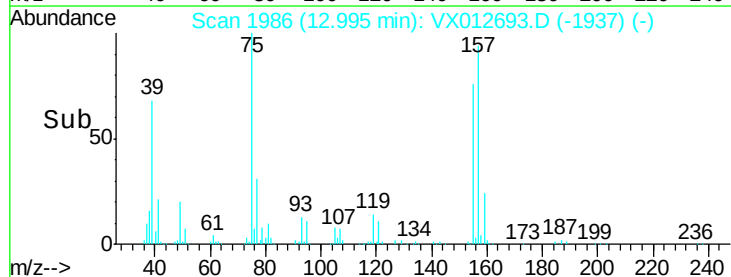
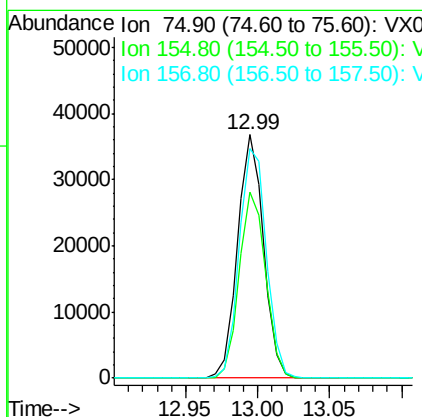
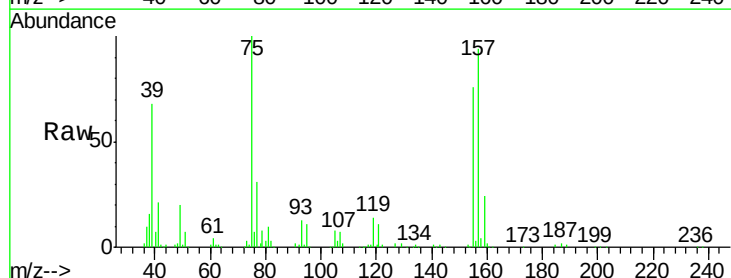
Manual Integrations  
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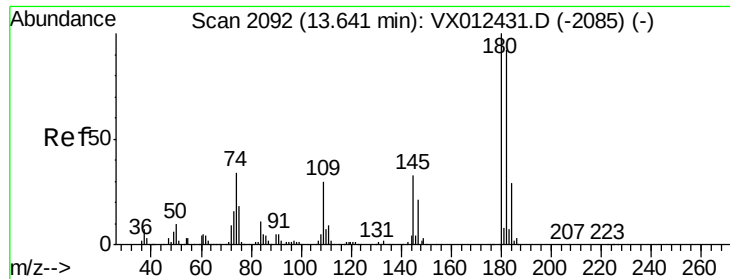
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.292 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 46054 |       |       |
| 155     | 77.9  | 38.6  | 115.8 |       |
| 157     | 98.6  | 50.6  | 151.9 |       |





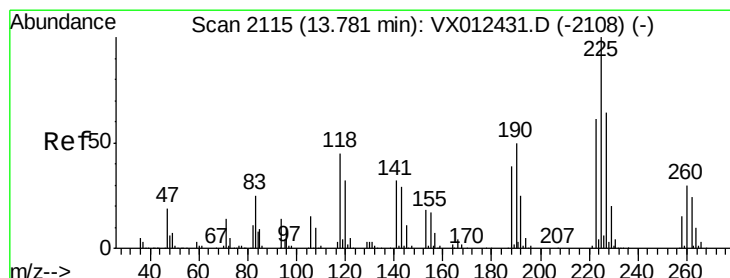
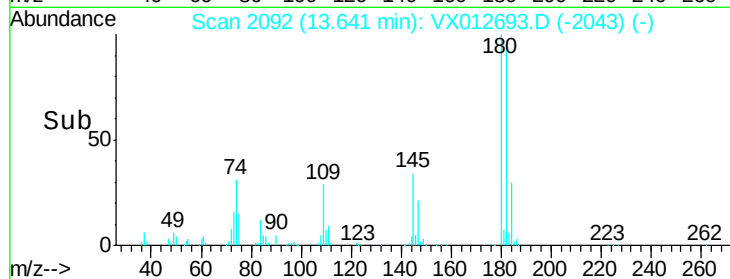
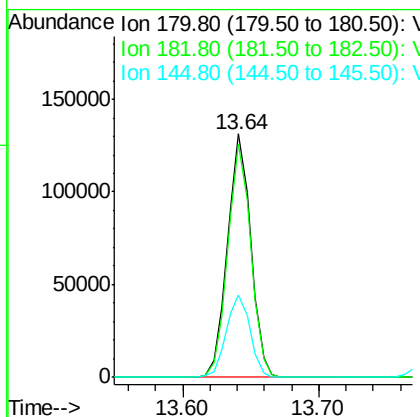
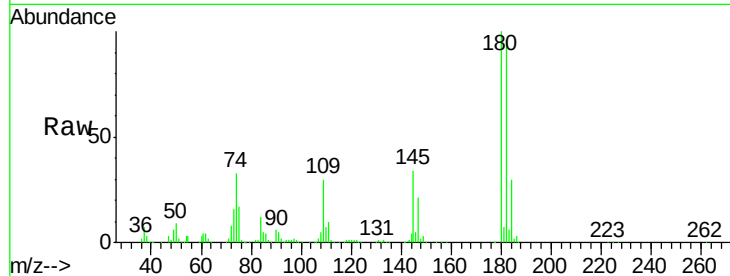
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.423 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 156164 |       |       |
| 182     | 94.9  | 47.0   | 141.0 |       |
| 145     | 34.4  | 16.8   | 50.4  |       |

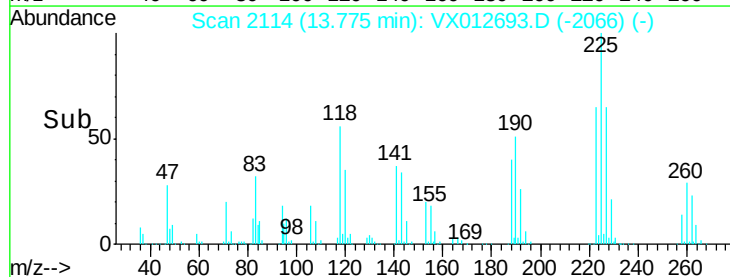
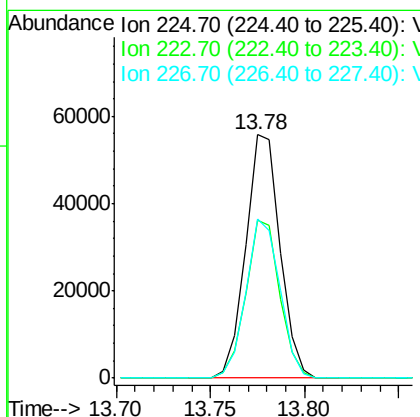
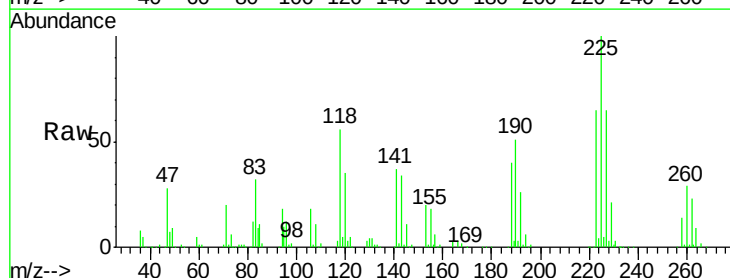
Manual Integrations  
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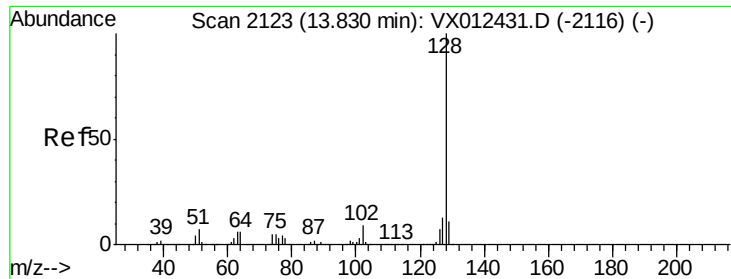
MMDadoda  
 9/30/2019 8:24:31 AM



#94  
 Hexachlorobutadiene  
 Concen: 55.969 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. -0.01 min  
 Lab File: VX012693.D  
 Acq: 27 Sep 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 70384 |       |       |
| 223     | 64.5  | 32.0  | 96.2  |       |
| 227     | 64.5  | 31.9  | 95.5  |       |





#95

Naphthalene

Concen: 51.753 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

Instrument :

MSVOA\_X

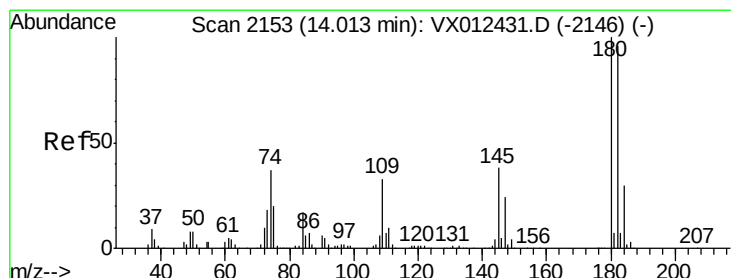
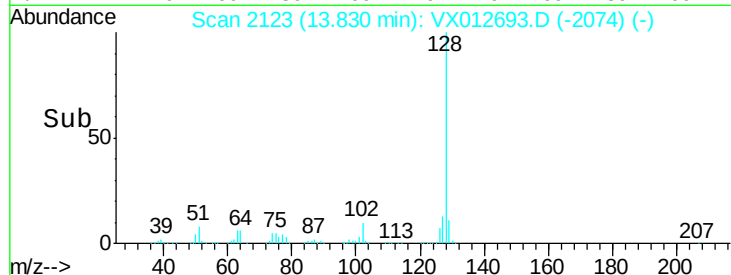
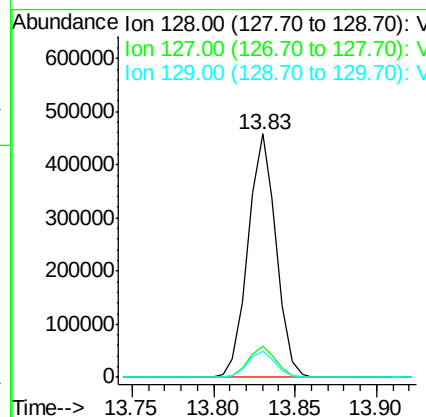
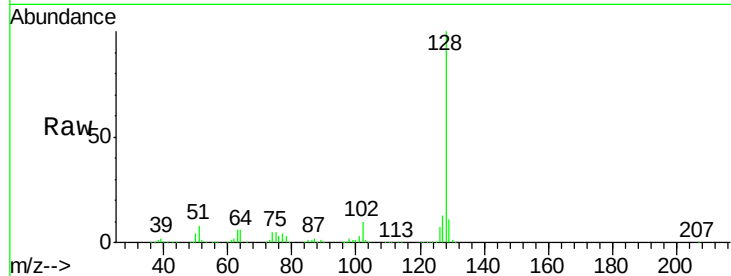
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 547347 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.5  | 10.2  | 15.4   |
| 129       | 10.7  | 8.8   | 13.2   |

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#96

1,2,3-Trichlorobenzene

Concen: 54.059 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012693.D

Acq: 27 Sep 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 158296 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.8  | 47.1  | 141.3  |
| 145       | 35.5  | 18.0  | 54.0   |

