

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\  
 Data File : VX002522.D  
 Acq On : 13 Jun 2018 21:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/14/2018 11:29:25 AM

Quant Time: Jun 14 03:29:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 177781   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 292357   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 298642   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 194157   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 130791   | 51.55 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.10% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 100077   | 43.53 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.06%  |      |
| 50) Toluene-d8            | 8.72   | 98  | 363142   | 41.21 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 82.42%  |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 142826   | 42.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 84.06%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 57454   | 31.088  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 97641   | 45.873  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 99291   | 42.629  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 66507   | 50.489  | ug/l | 100    |
| 6) Chloroethane               | 1.71 | 64  | 74372   | 49.362  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 152838  | 43.068  | ug/l | 98     |
| 8) Diethyl Ether              | 2.19 | 74  | 78268   | 62.669  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 78471   | 40.975  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 122154  | 45.349  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.09 | 59  | 161982  | 316.122 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 87252   | 46.102  | ug/l | 99     |
| 13) Acrolein                  | 2.30 | 56  | 50890   | 199.638 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 202226  | 49.236  | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 361934  | 337.913 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 336849  | 312.905 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 179651  | 36.015  | ug/l | 98     |
| 18) Methyl Acetate            | 2.78 | 43  | 177202  | 70.692  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 422832  | 64.868  | ug/l | 100    |
| 20) Methylene Chloride        | 2.86 | 84  | 122410  | 61.533  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 101911  | 48.829  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.88 | 45  | 373100  | 54.509  | ug/l | 98     |
| 23) Vinyl Acetate             | 3.83 | 43  | 1661786 | 249.582 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 182021  | 44.839  | ug/l | 100    |
| 25) 2-Butanone                | 4.71 | 43  | 450854  | 258.645 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 123411  | 38.892  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 109601  | 48.287  | ug/l | 95     |
| 28) Bromochloromethane        | 5.03 | 49  | 102101  | 59.839  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.17 | 42  | 292668  | 260.411 | ug/l | 98     |
| 30) Chloroform                | 5.22 | 83  | 202504  | 51.697  | ug/l | 98     |
| 31) Cyclohexane               | 5.58 | 56  | 110014  | 34.272  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 153790  | 46.294  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 118237  | 38.470  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.87 | 43  | 180354  | 48.794  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 124140  | 38.609  | ug/l | 100    |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/14/2018 11:29:25 AM

Quant Time: Jun 14 03:29:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 105281   | 27.843  | ug/l  | 97       |
| 40) Benzene                    | 6.15  | 78   | 414932   | 44.030  | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.07  | 41   | 101117   | 47.789  | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 176240   | 47.070  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.47  | 43   | 294679   | 46.938  | ug/l  | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 111154   | 42.498  | ug/l  | 96       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 116377   | 45.743  | ug/l  | 99       |
| 46) Dibromomethane             | 7.67  | 93   | 81889    | 47.481  | ug/l  | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 149126   | 47.809  | ug/l  | 98       |
| 48) Methyl methacrylate        | 7.78  | 41   | 152926   | 48.493  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 56859    | 964.303 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 996993   | 255.008 | ug/l  | 100      |
| 52) Toluene                    | 8.79  | 92   | 269867   | 45.025  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 171336   | 45.804  | ug/l  | 98       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 161342   | 45.718  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 123112   | 49.941  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 190724   | 48.460  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 201288   | 48.671  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 460438   | 252.766 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 758321   | 251.113 | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 123706   | 49.890  | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 129309   | 50.307  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 118050   | 38.328  | ug/l  | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 322720   | 43.429  | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 121106   | 45.009  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 529074   | 42.544  | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.37 | 106  | 411838   | 85.193  | ug/l  | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 208574   | 43.356  | ug/l  | 100      |
| 70) Styrene                    | 10.72 | 104  | 358811   | 45.624  | ug/l  | 99       |
| 71) Bromoform                  | 10.86 | 173  | 95842    | 40.480  | ug/l  | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 536901   | 39.751  | ug/l  | 100      |
| 74) N-amyl acetate             | 6.47  | 43   | 294679   | 40.491  | ug/l  | # 100    |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 190989   | 44.960  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 190465m  | 44.707  | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 160694   | 42.379  | ug/l  | 99       |
| 78) n-propylbenzene            | 11.37 | 91   | 610061   | 40.638  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 382328   | 40.334  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 464622   | 40.106  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 47743    | 39.283  | ug/l  | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 452730   | 41.378  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 451647   | 40.036  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 491277   | 41.196  | ug/l  | 98       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 521739   | 39.450  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 486365   | 40.374  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 287047   | 42.338  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 294814   | 42.187  | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 409226   | 40.505  | ug/l  | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 74302    | 38.639  | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 301910   | 43.039  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 42749    | 46.019  | ug/l  | 99       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061318\  
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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

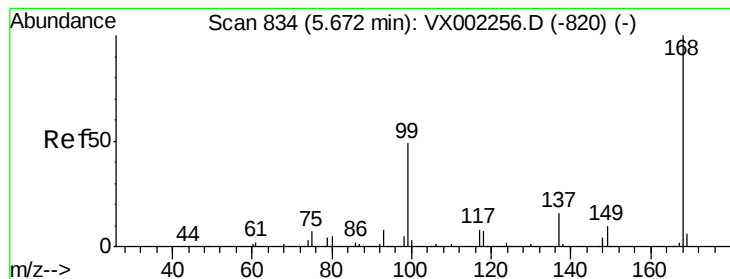
MMDadoda  
6/14/2018 11:29:25 AM

Quant Time: Jun 14 03:29:08 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 05 03:22:35 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 210573   | 42.811 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 92787    | 38.175 | ug/l  | 99       |
| 95) Naphthalene            | 13.84 | 128  | 655442   | 46.379 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 221267   | 44.110 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 177781

Ion Ratio Lower Upper

168 100

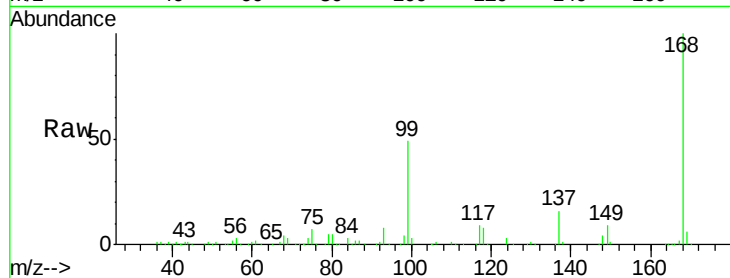
99 48.9 39.3 58.9

Manual Integrations

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6/14/2018 11:29:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

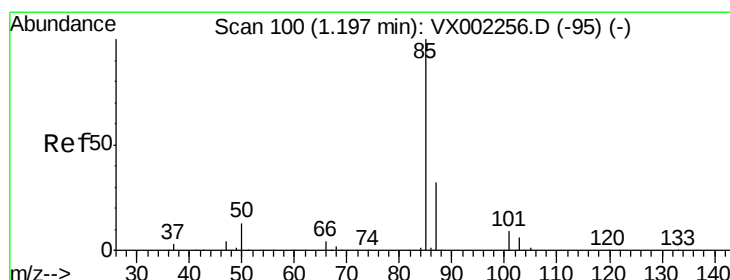
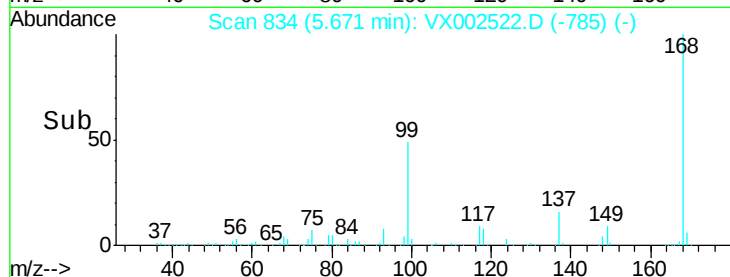
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 31.088 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002522.D

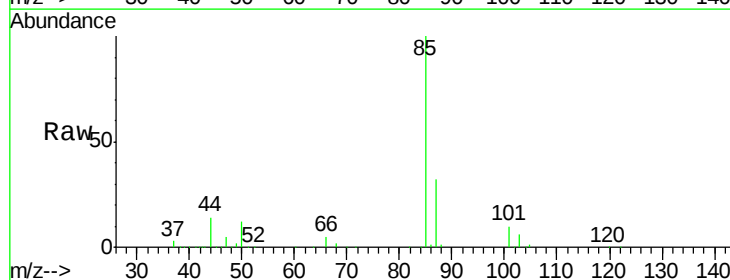
Acq: 13 Jun 2018 21:22

Tgt Ion: 85 Resp: 57454

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

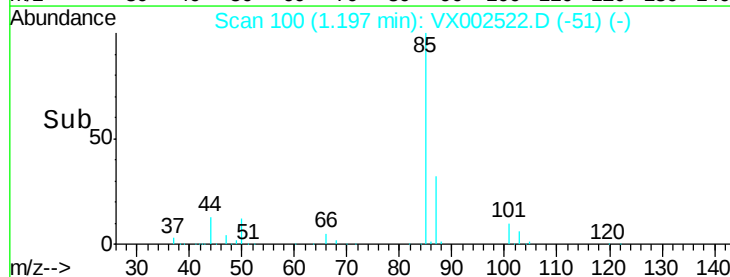
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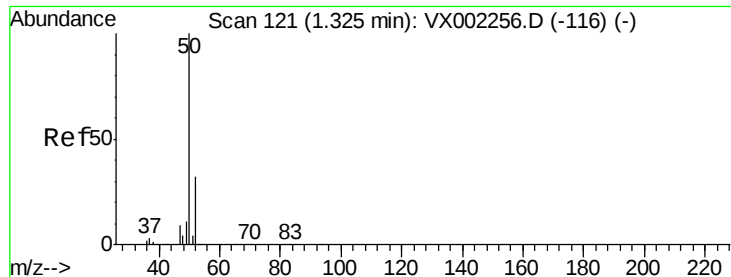
40000

20000

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Time-->





#3

Chloromethane

Concen: 45.873 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 97641

Ion Ratio Lower Upper

50 100

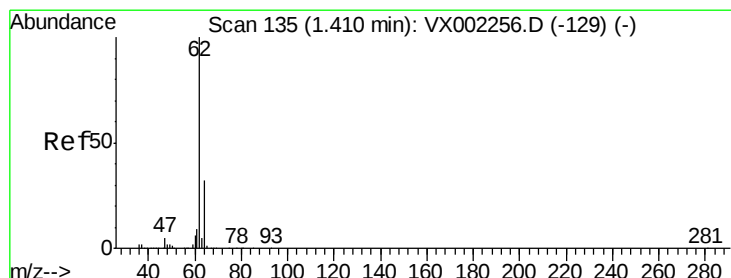
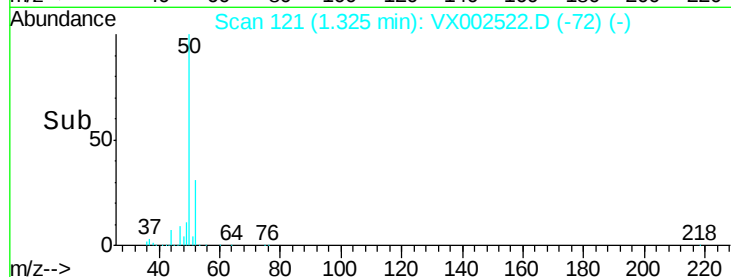
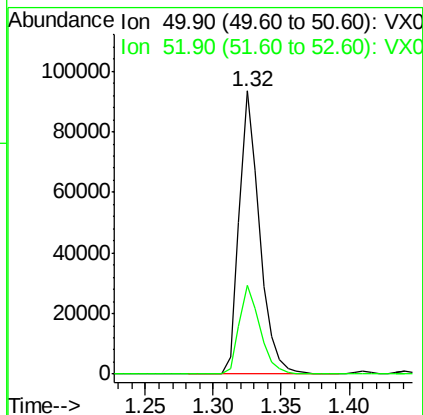
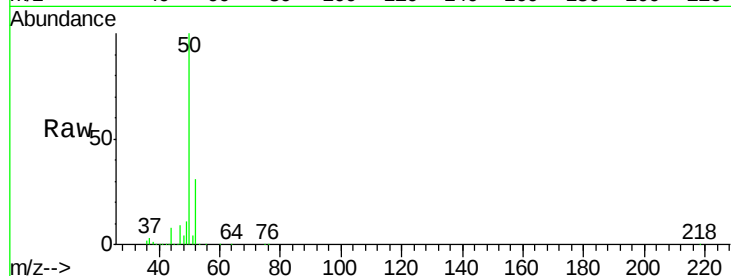
52 31.4 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/14/2018 11:29:25 AM



#4

Vinyl Chloride

Concen: 42.629 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002522.D

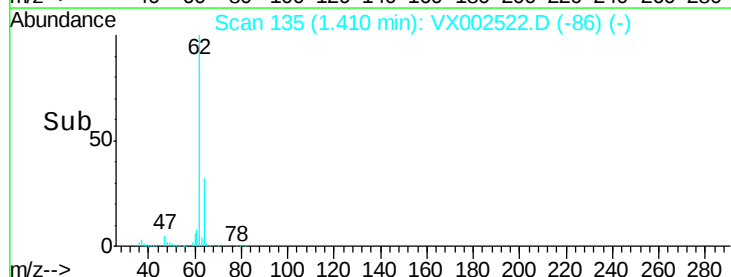
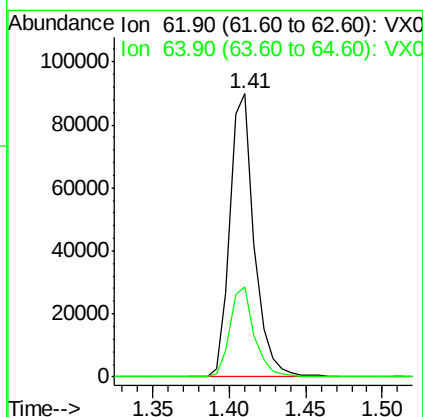
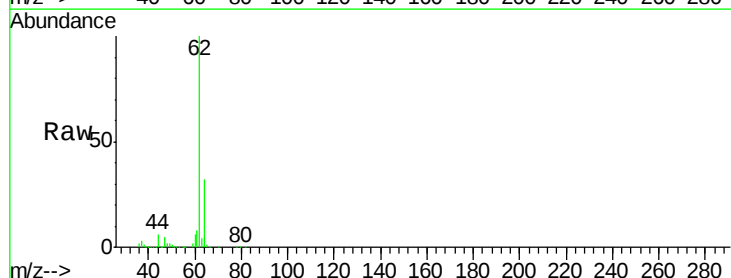
Acq: 13 Jun 2018 21:22

Tgt Ion: 62 Resp: 99291

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 50.489 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66507

Ion Ratio Lower Upper

94 100

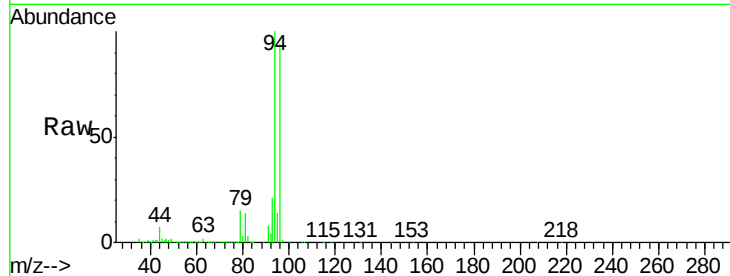
96 93.7 74.9 112.3

Manual Integrations

APPROVED

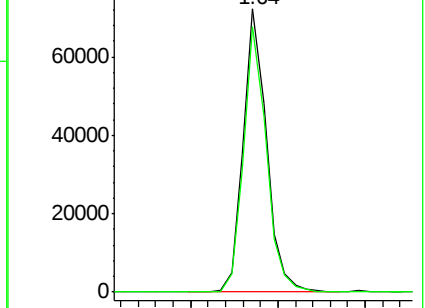
MMDadoda

6/14/2018 11:29:25 AM

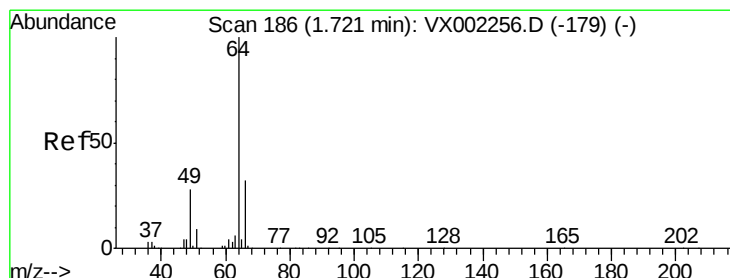
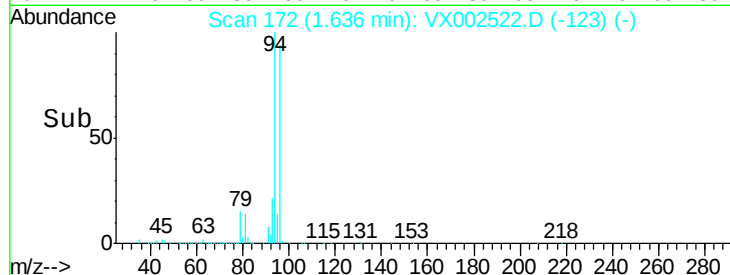


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 49.362 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002522.D

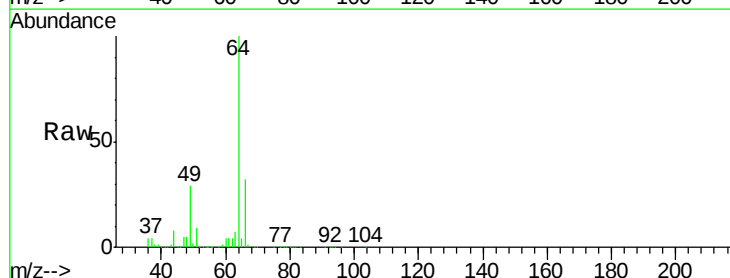
Acq: 13 Jun 2018 21:22

Tgt Ion: 64 Resp: 74372

Ion Ratio Lower Upper

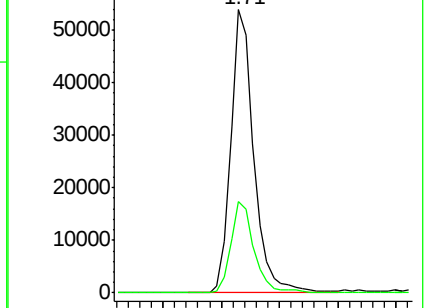
64 100

66 32.2 25.5 38.3

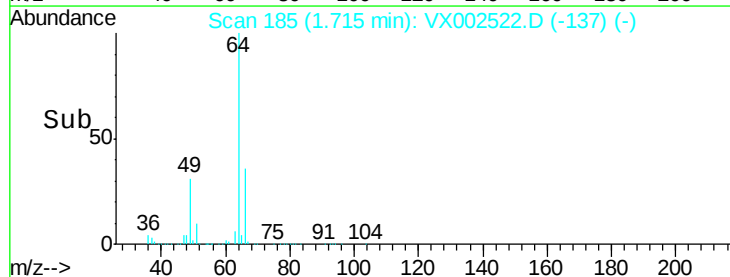


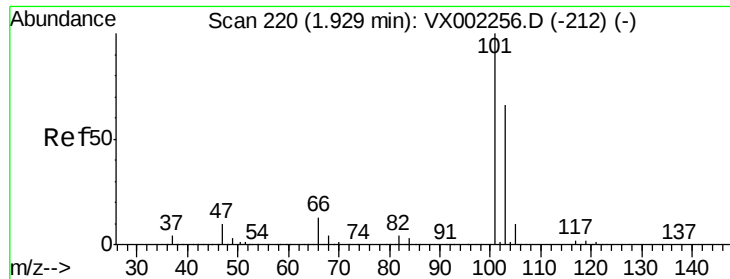
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

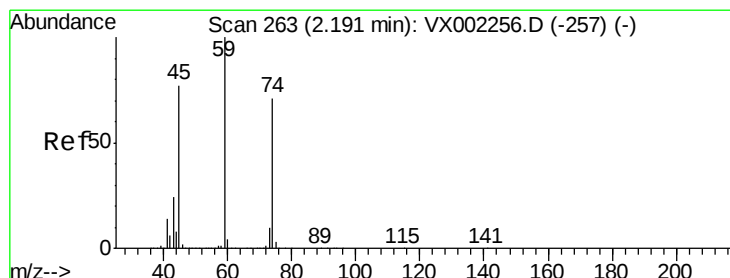
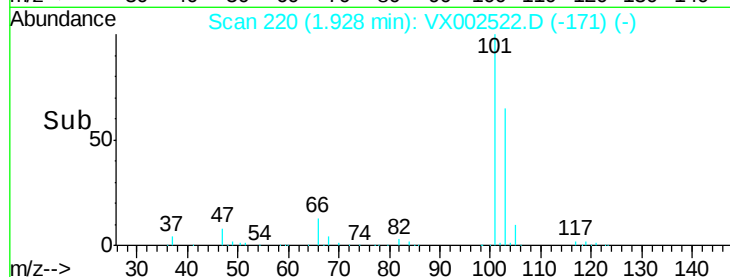
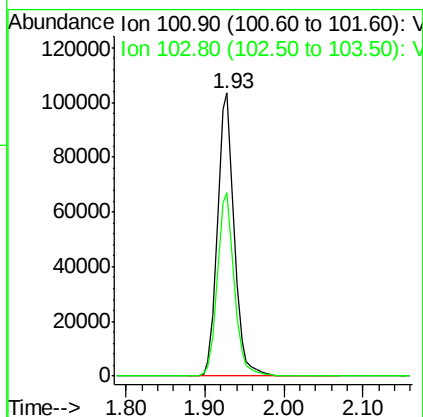
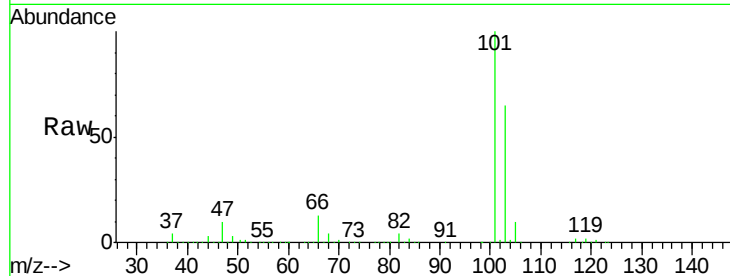
Trichlorofluoromethane  
Concen: 43.068 ug/l  
RT: 1.93 min Scan# 220  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 152838 |       |       |
| 103     | 64.6 | 52.8  | 79.2   |       |       |

Manual Integrations  
APPROVED

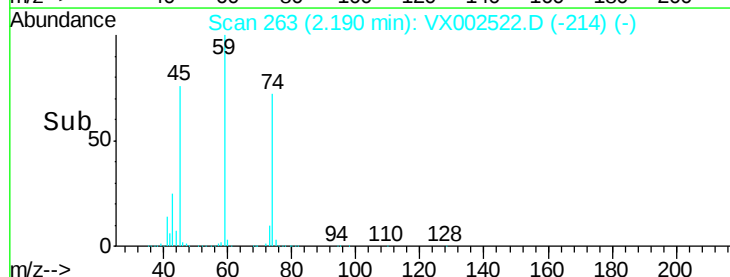
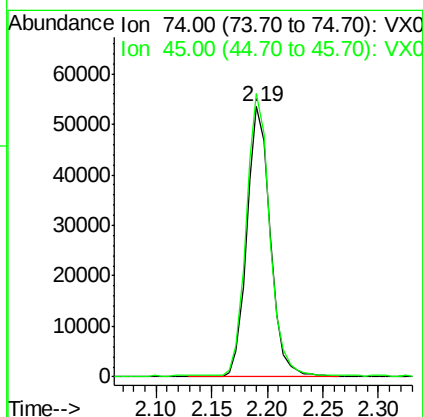
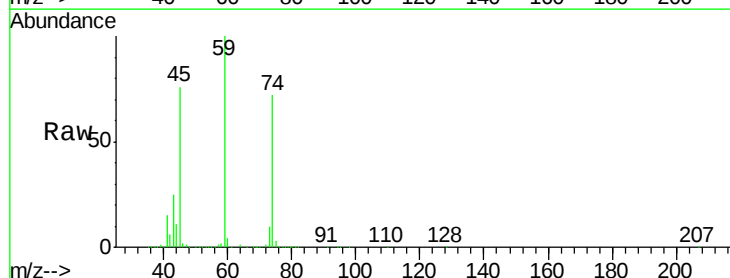
MMDadoda  
6/14/2018 11:29:25 AM



#8

Diethyl Ether  
Concen: 62.669 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. 0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 74      | 100   |       | 78268 |       |       |
| 45      | 103.8 | 53.1  | 159.4 |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.975 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

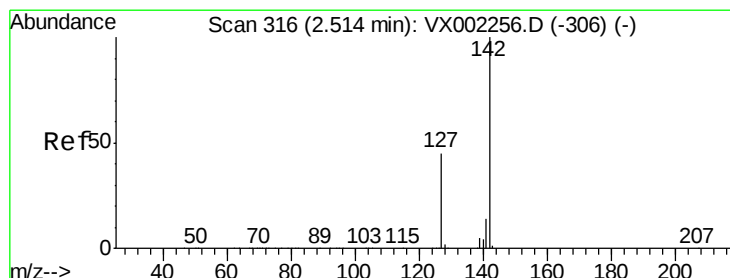
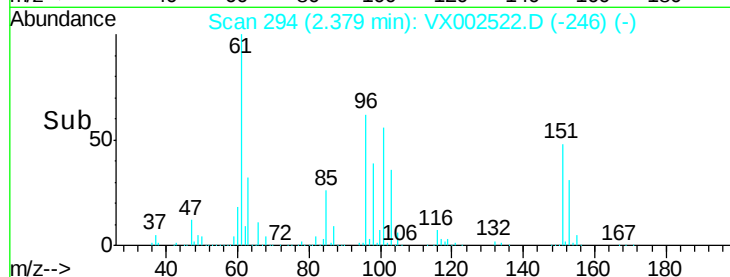
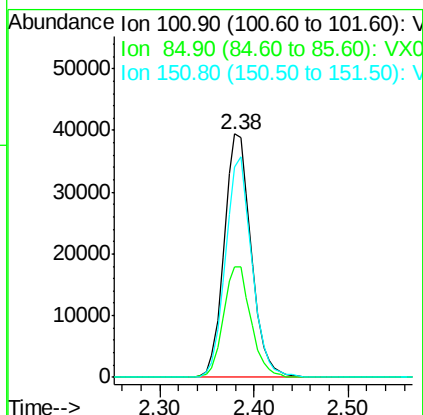
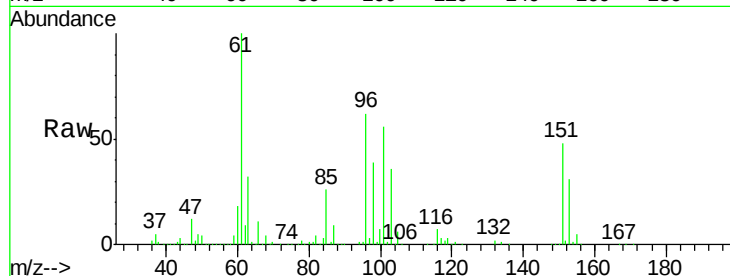
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 78471 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.1  | 36.0  | 54.0  |
| 151       | 88.4  | 70.9  | 106.3 |

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6/14/2018 11:29:25 AM



#10

Methyl Iodide

Concen: 45.349 ug/l

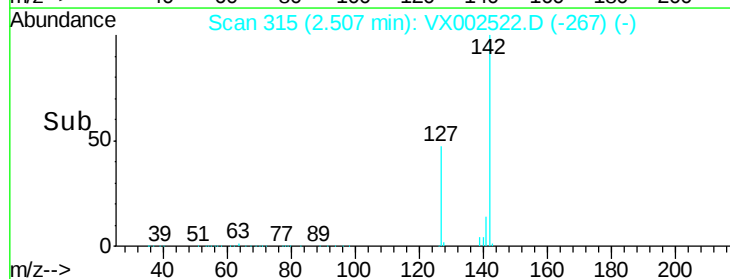
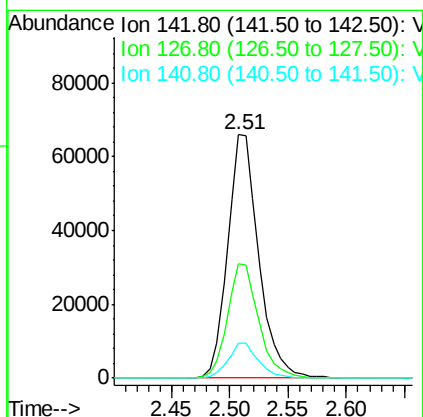
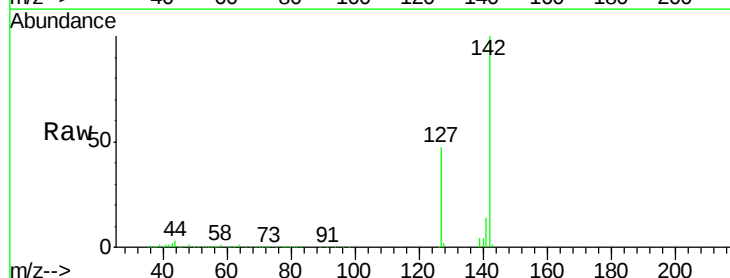
RT: 2.51 min Scan# 315

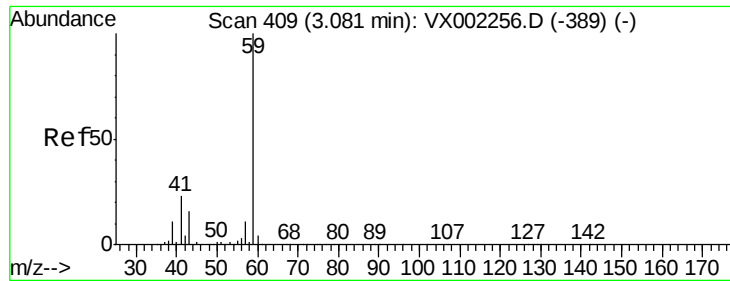
Delta R.T. -0.01 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 122154 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 47.2  | 36.6  | 55.0   |
| 141       | 14.3  | 11.3  | 16.9   |





#11

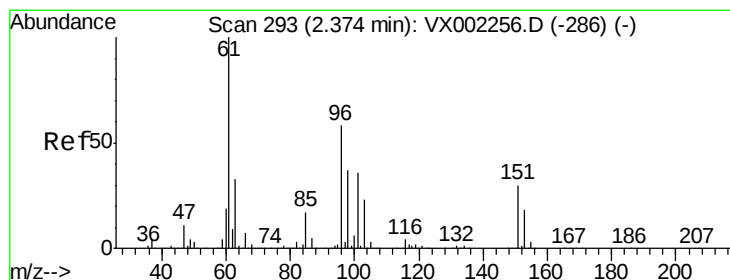
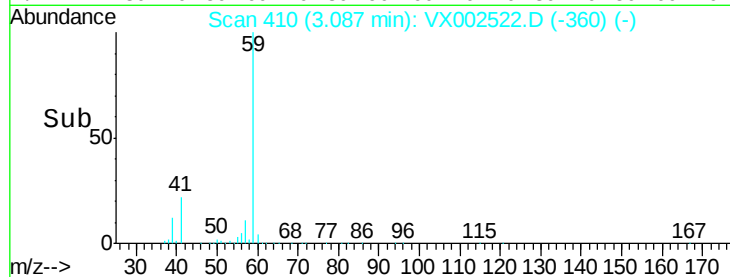
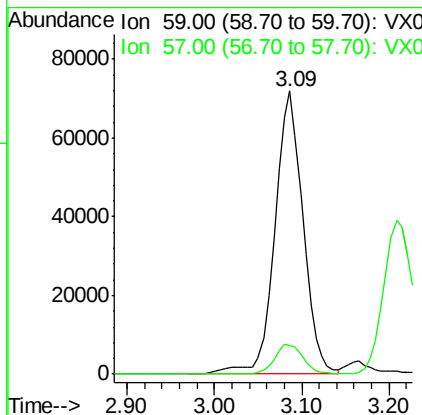
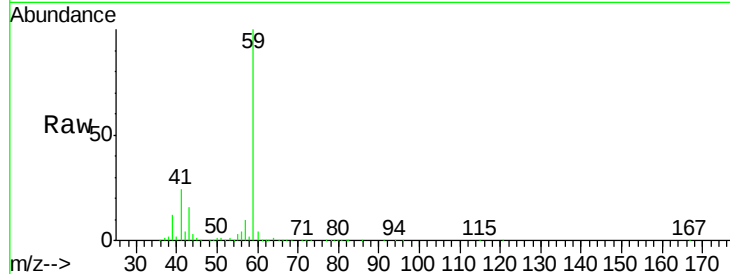
Tert butyl alcohol  
Concen: 316.122 ug/l  
RT: 3.09 min Scan# 410  
Delta R.T. 0.01 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 59 | 57 | Ratio | 100 | 10.9 | Resp | 161982 | Lower | 8.2 | Upper | 12.2 |
|---------|----|----|-------|-----|------|------|--------|-------|-----|-------|------|
| Ion     | 59 | 57 | Ratio | 100 | 10.9 | Resp | 161982 | Lower | 8.2 | Upper | 12.2 |

Manual Integrations  
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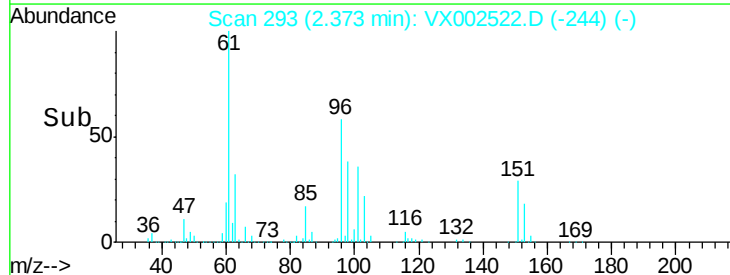
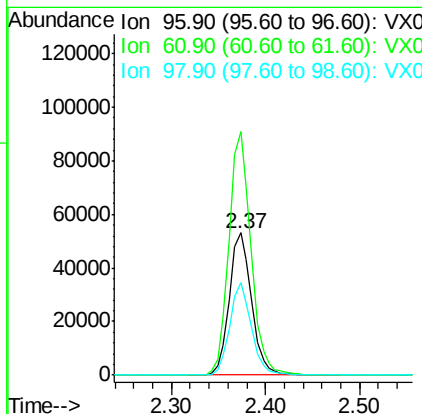
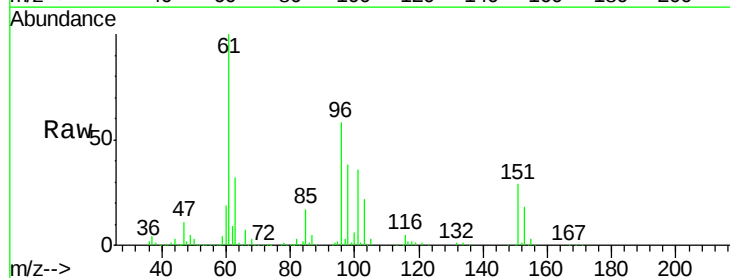
MMDadoda  
6/14/2018 11:29:25 AM

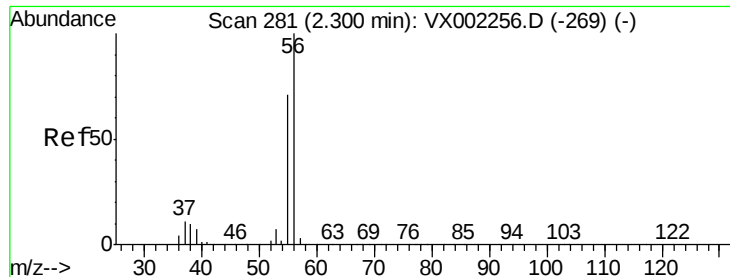


#12

1,1-Dichloroethene  
Concen: 46.102 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 171.2 | 65.4 | Resp | 87252 | Lower | 137.9 | 51.6 | Upper | 206.9 | 77.4 |
|---------|----|----|----|-------|-----|-------|------|------|-------|-------|-------|------|-------|-------|------|
| Ion     | 96 | 61 | 98 | Ratio | 100 | 171.2 | 65.4 | Resp | 87252 | Lower | 137.9 | 51.6 | Upper | 206.9 | 77.4 |





#13

Acrolein

Concen: 199.638 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 50890

Ion Ratio Lower Upper

56 100

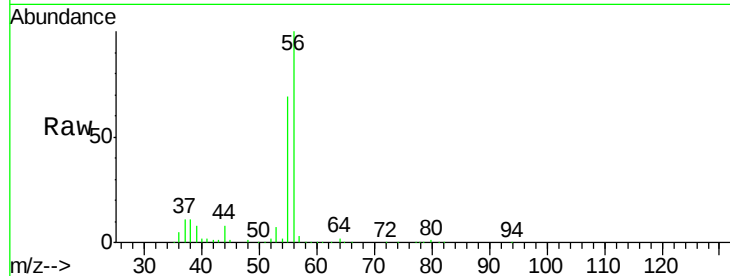
55 70.1 57.0 85.4

Manual Integrations

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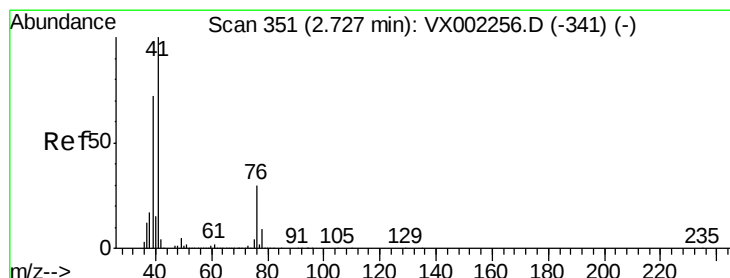
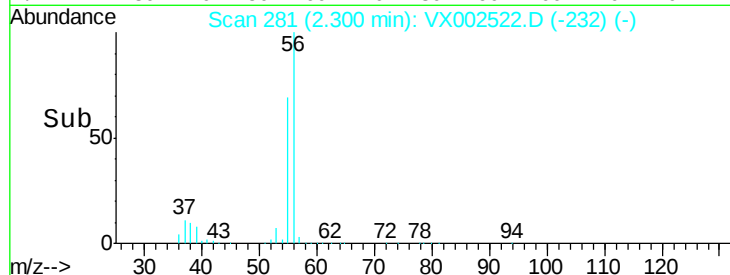
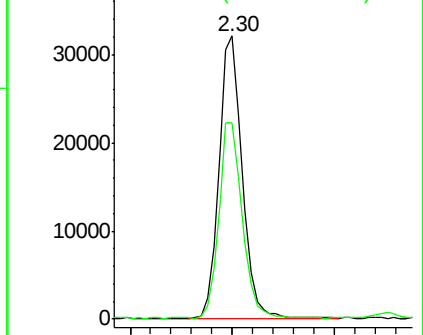
MMDadoda

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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: 49.236 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

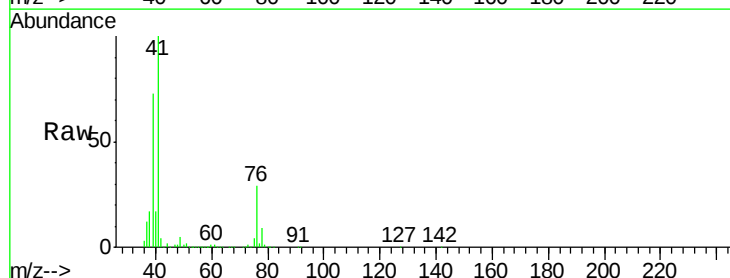
Tgt Ion: 41 Resp: 202226

Ion Ratio Lower Upper

41 100

39 71.8 56.8 85.2

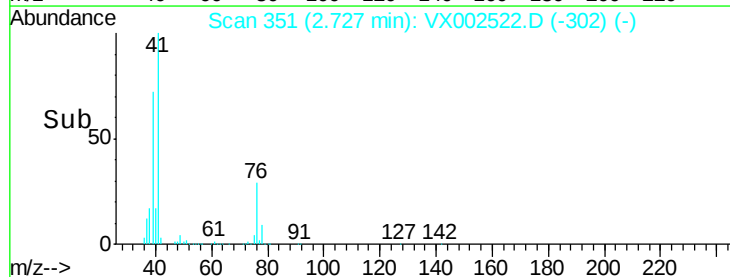
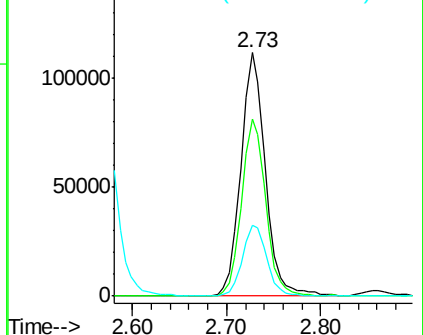
76 28.7 23.8 35.8

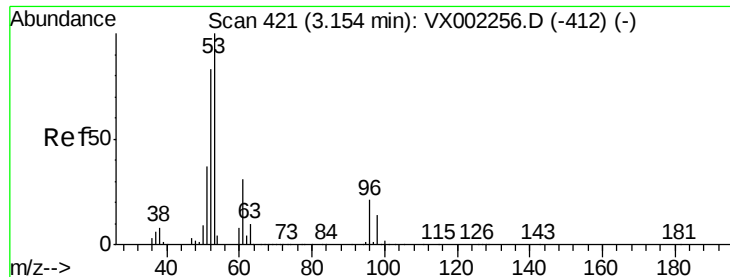


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 337.913 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

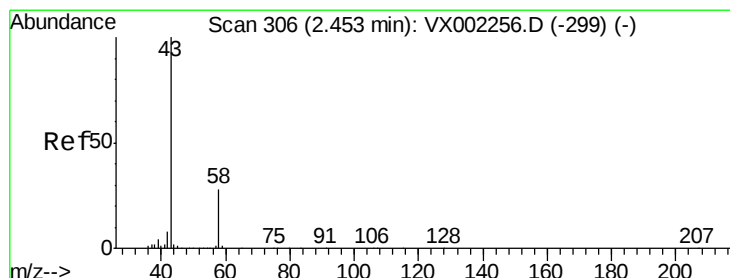
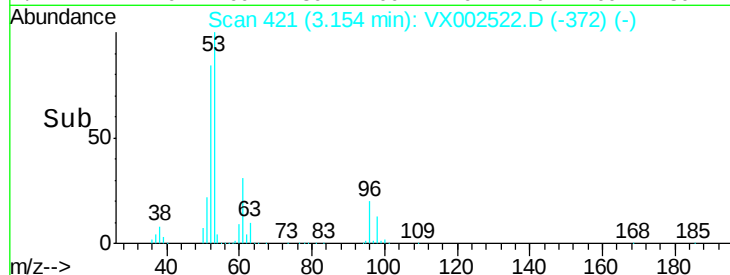
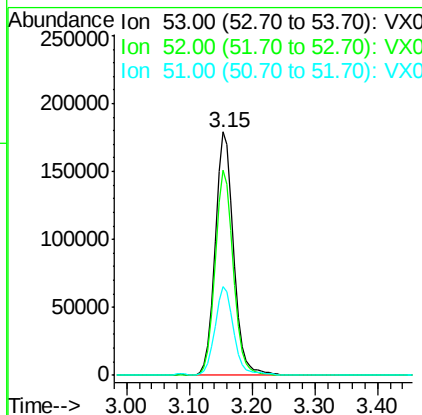
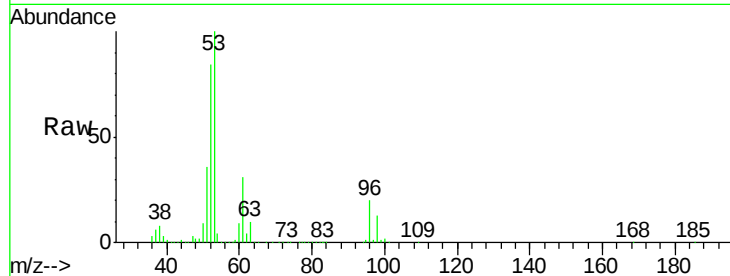
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 361934 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.3  | 66.7  | 100.1  |
| 51        | 37.0  | 29.9  | 44.9   |

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#16

Acetone

Concen: 312.905 ug/l

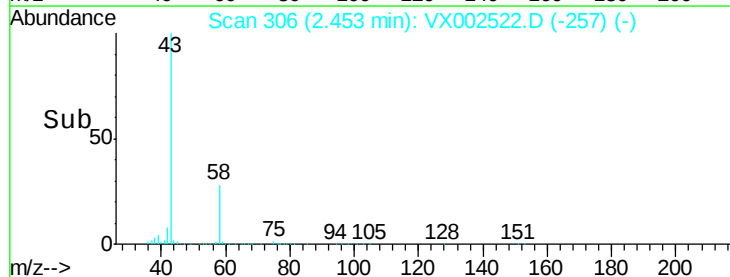
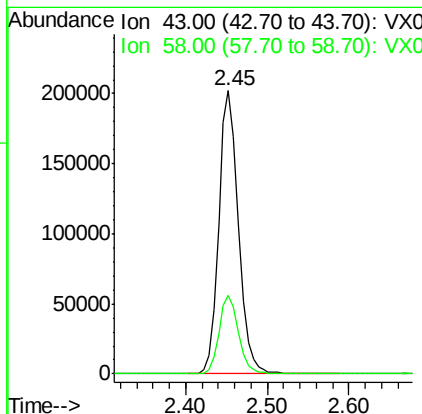
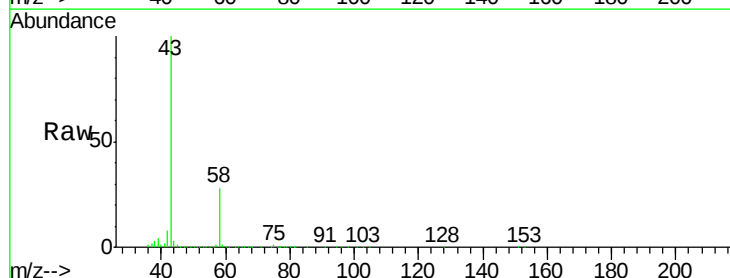
RT: 2.45 min Scan# 306

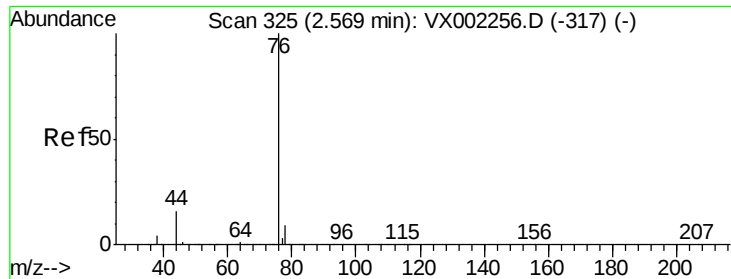
Delta R.T. 0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 336849 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 27.8  | 22.1  | 33.1   |





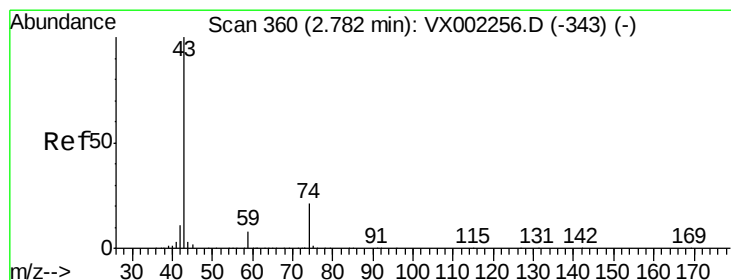
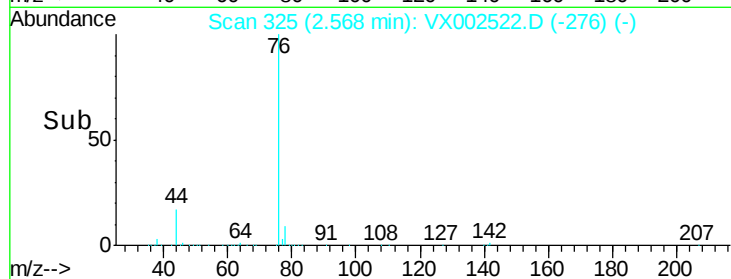
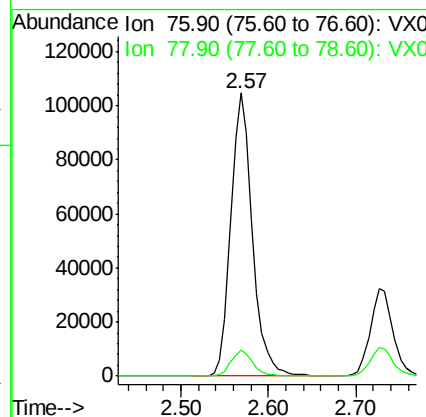
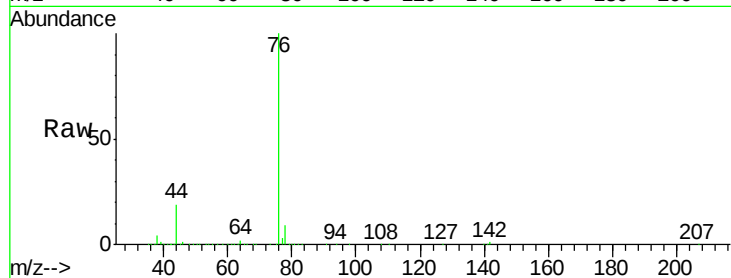
#17  
Carbon Disulfide  
Concen: 36.015 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.4   | 6.9   | 10.3  |

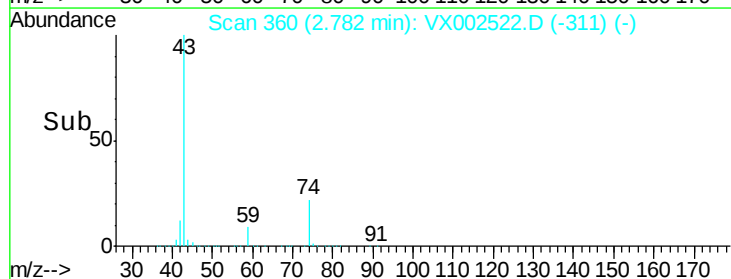
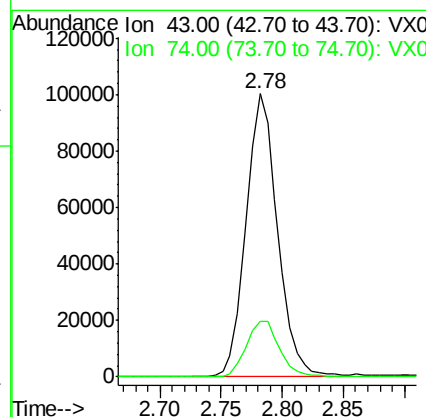
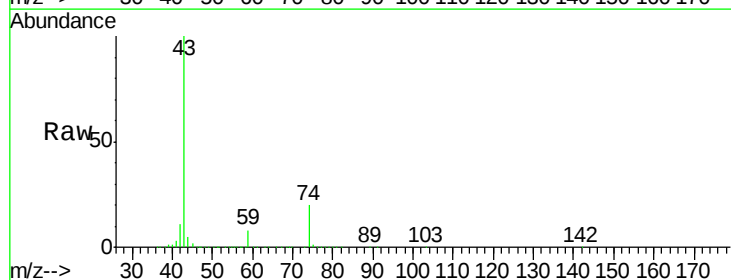
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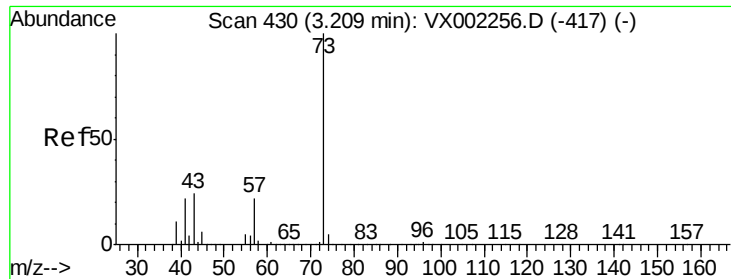
MMDadoda  
6/14/2018 11:29:25 AM



#18  
Methyl Acetate  
Concen: 70.692 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.8  | 16.7  | 25.1  |





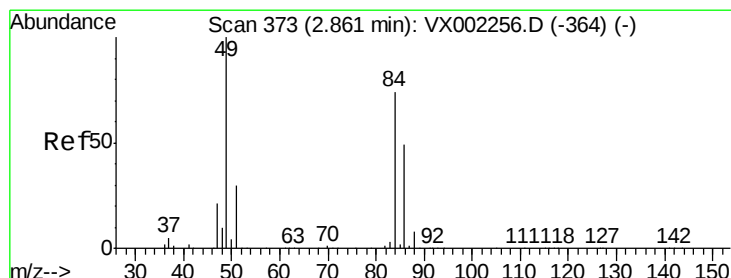
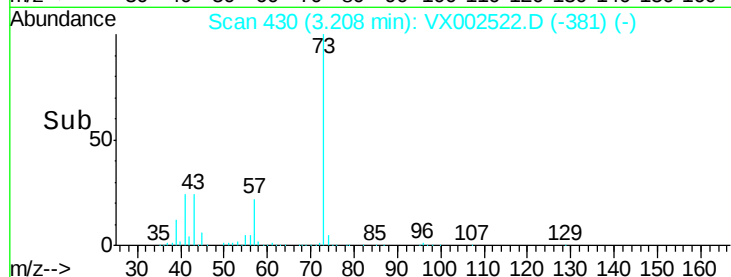
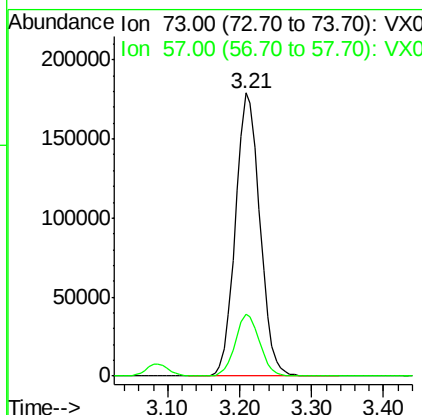
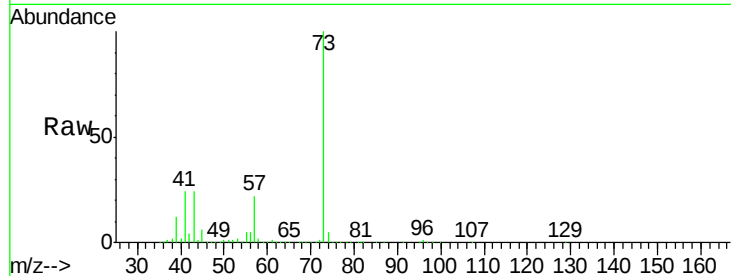
#19  
Methvl tert-butvl Ether  
Concen: 64.868 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 422832  
Ion Ratio Lower Upper  
73 100  
57 21.9 17.7 26.5

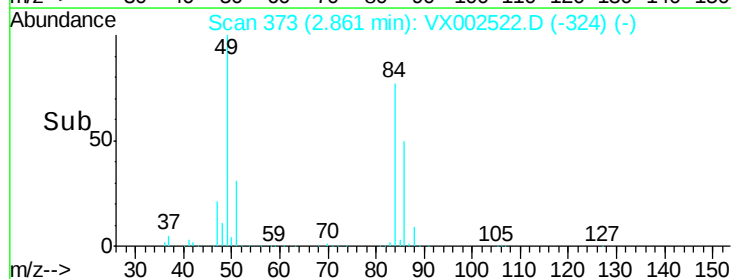
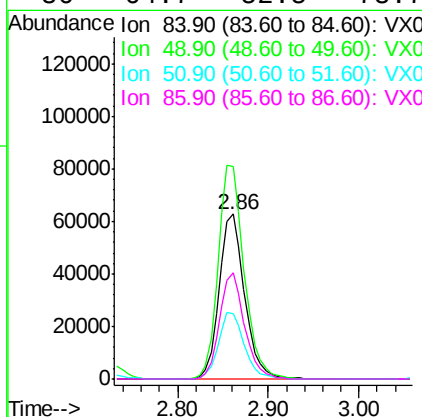
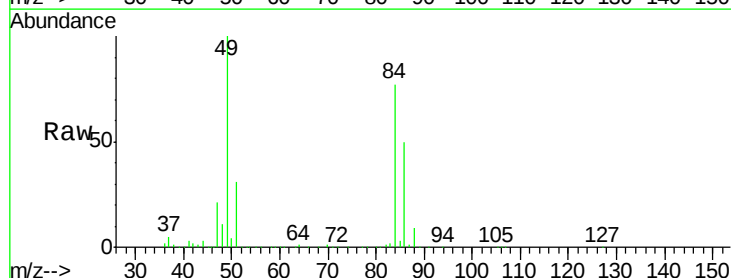
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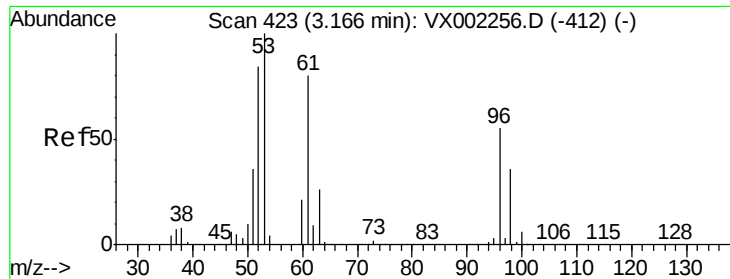
MMDadoda  
6/14/2018 11:29:25 AM



#20  
Methylene Chloride  
Concen: 61.533 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Tgt Ion: 84 Resp: 122410  
Ion Ratio Lower Upper  
84 100  
49 128.8 107.8 161.6  
51 39.8 32.8 49.2  
86 64.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.829 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

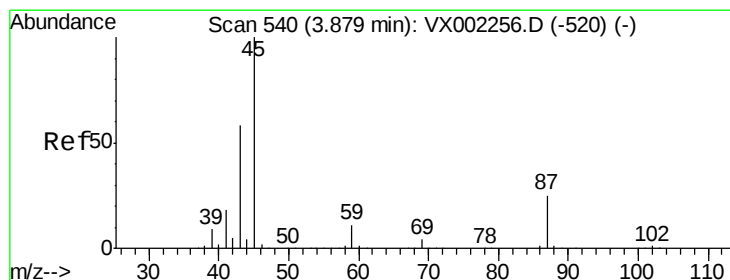
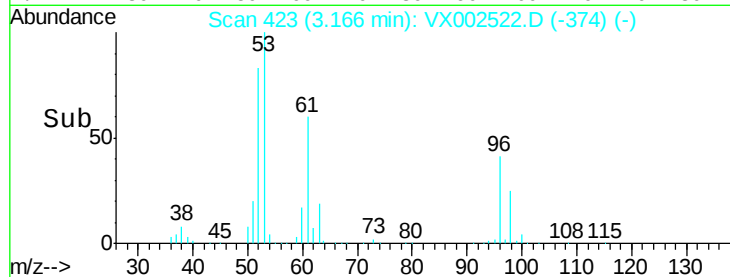
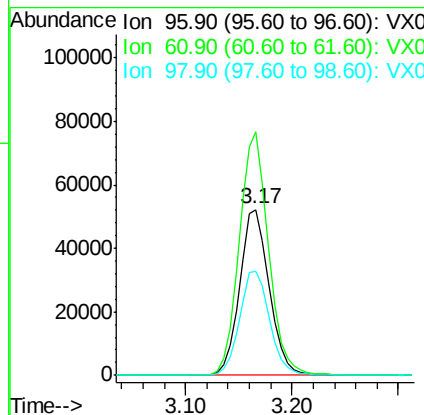
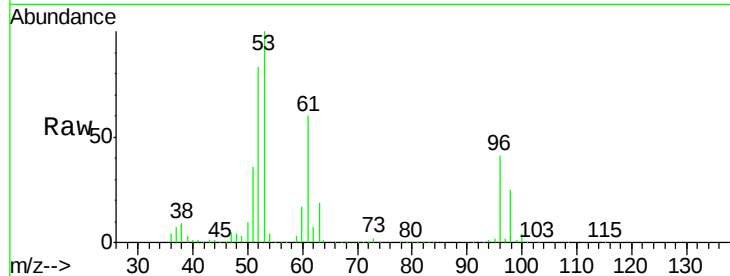
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 101911 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 146.6 | 117.0 | 175.4  |
| 98       | 62.5  | 52.4  | 78.6   |

Manual Integrations  
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MMDadoda  
6/14/2018 11:29:25 AM



#22

Diisopropyl ether

Concen: 54.509 ug/l

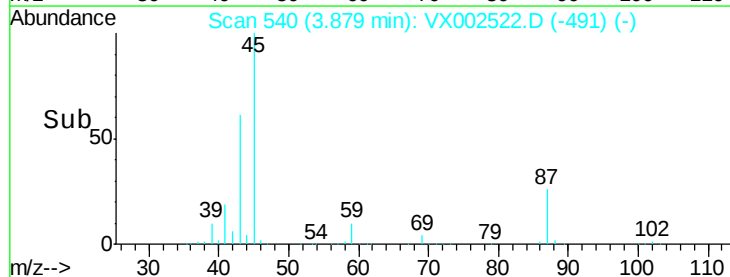
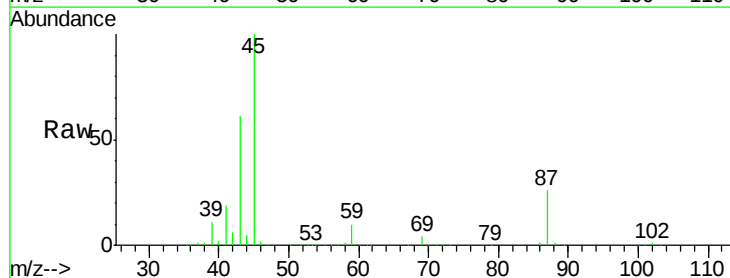
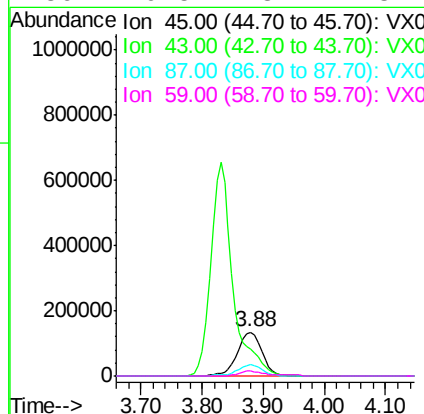
RT: 3.88 min Scan# 540

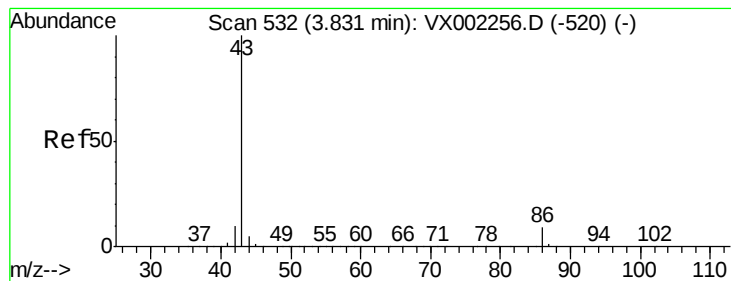
Delta R.T. 0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 373100 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 60.9  | 46.8  | 70.2   |
| 87       | 25.6  | 20.2  | 30.4   |
| 59       | 10.5  | 8.7   | 13.1   |





#23

Vinyl Acetate

Concen: 249.582 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1661786

Ion Ratio Lower Upper

43 100

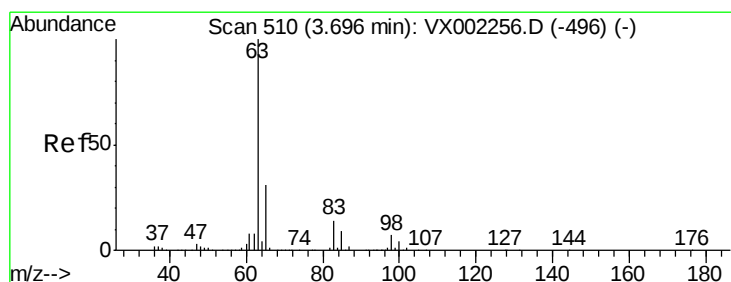
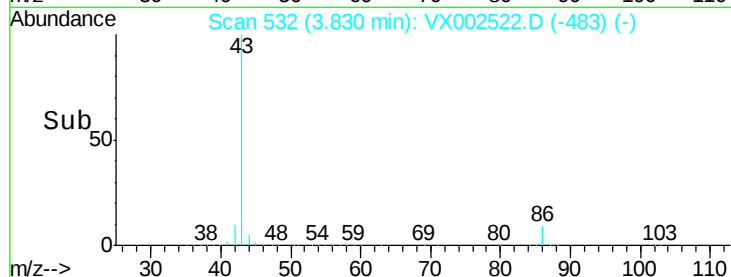
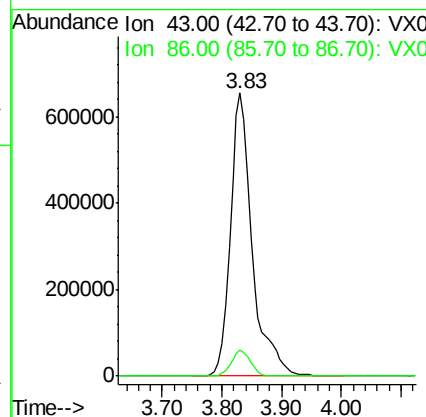
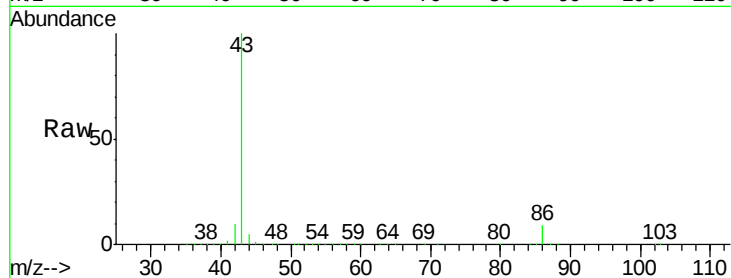
86 9.2 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.839 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

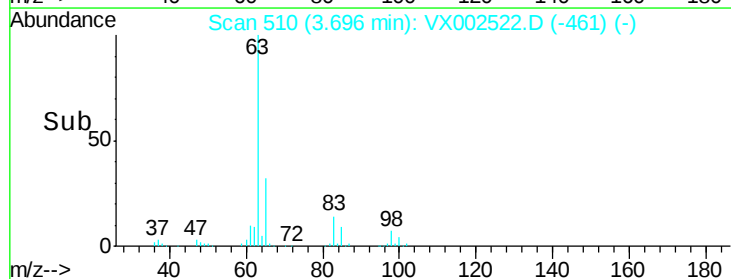
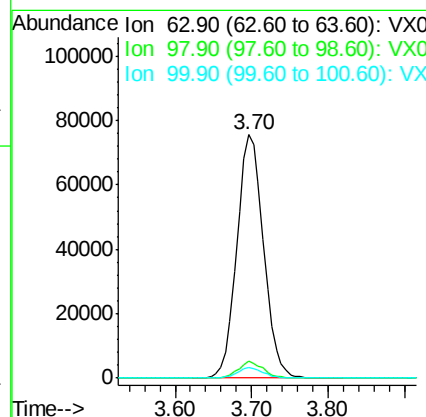
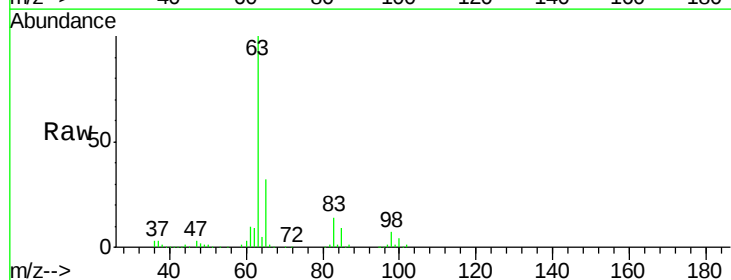
Tgt Ion: 63 Resp: 182021

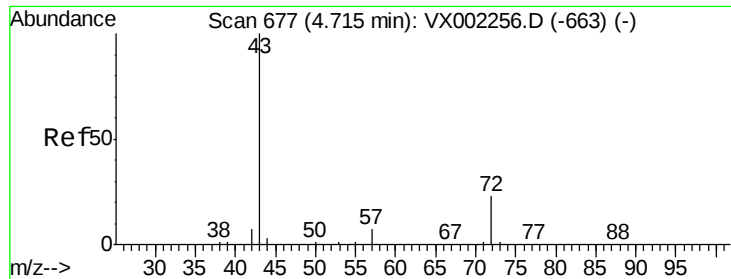
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 258.645 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 450854

Ion Ratio Lower Upper

43 100

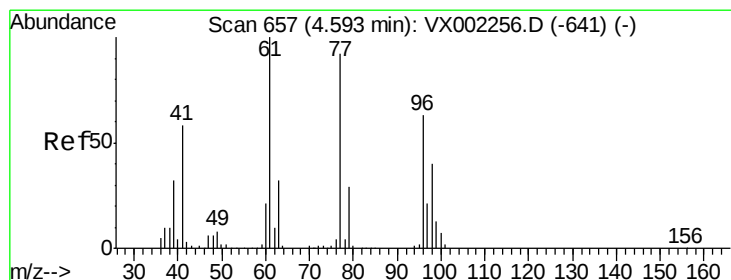
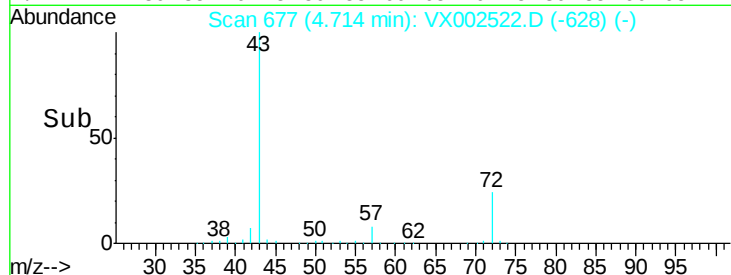
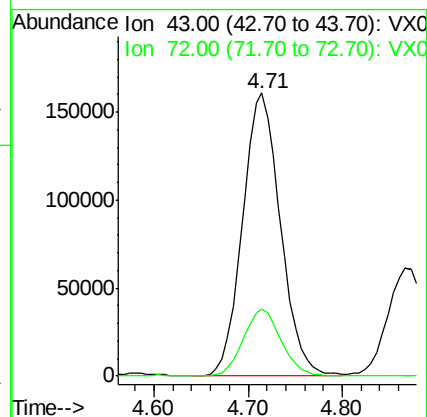
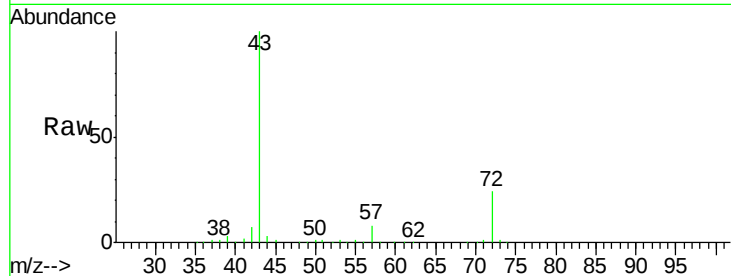
72 23.7 18.5 27.7

Manual Integrations

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6/14/2018 11:29:25 AM



#26

2,2-Dichloropropane

Concen: 38.892 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002522.D

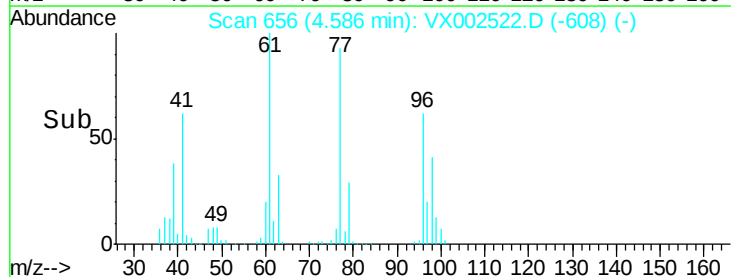
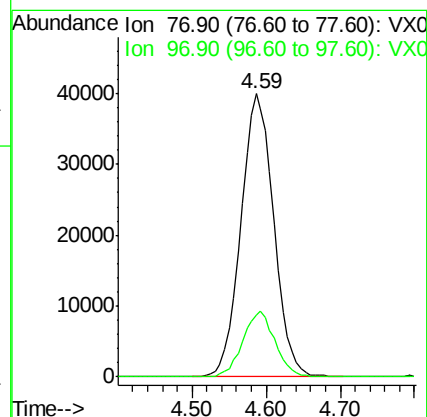
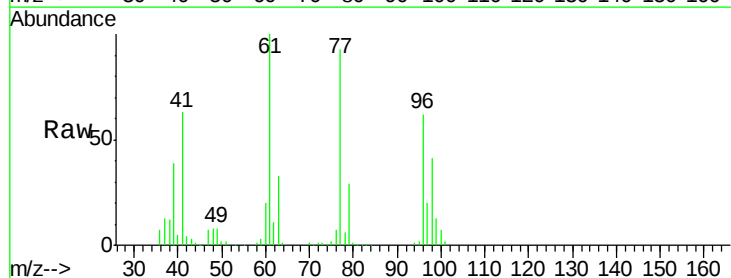
Acq: 13 Jun 2018 21:22

Tgt Ion: 77 Resp: 123411

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5





#27

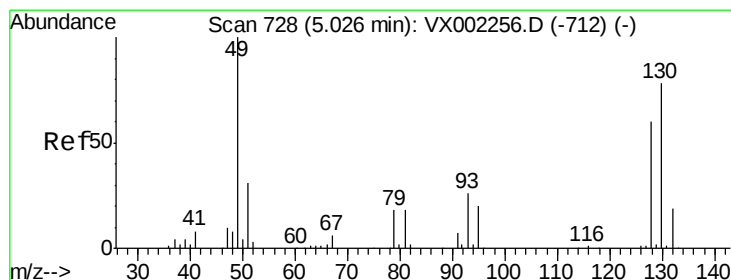
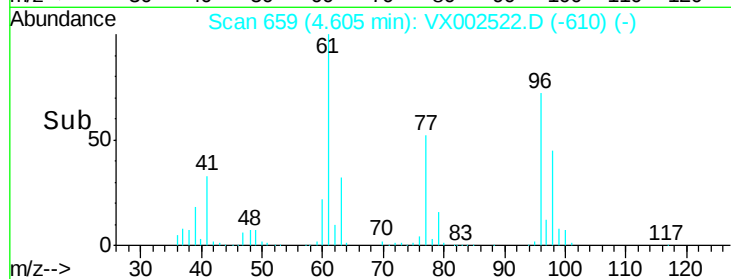
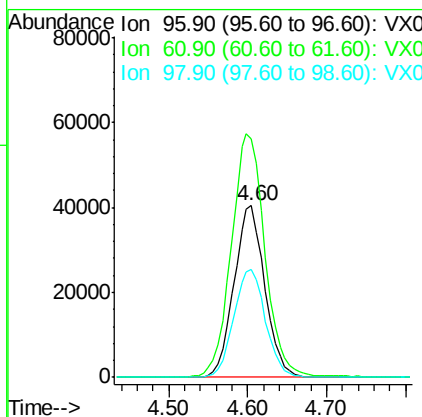
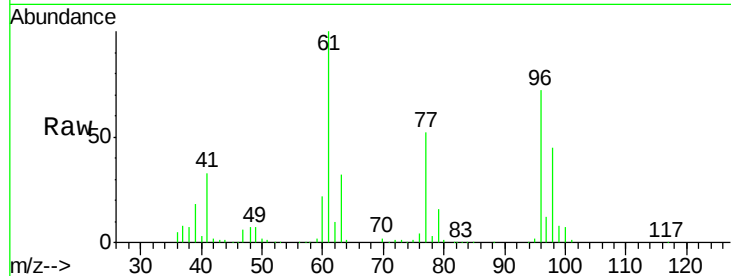
cis-1,2-Dichloroethene  
Concen: 48.287 ug/l  
RT: 4.60 min Scan# 659  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 109601 |       |       |
| 61      | 155.1 |        | 0.0   | 330.2 |
| 98      | 64.7  |        | 0.0   | 130.2 |

Manual Integrations  
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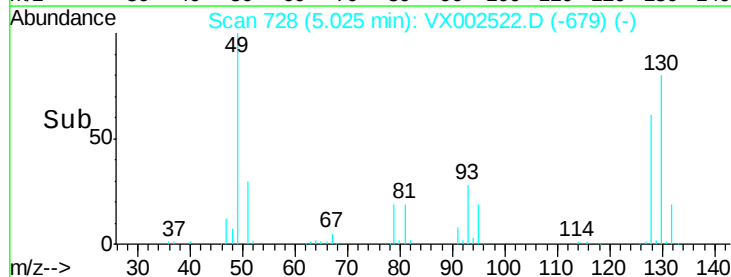
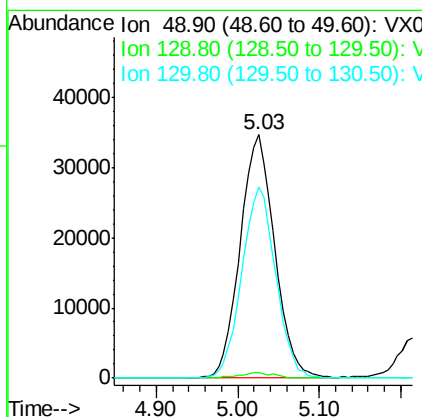
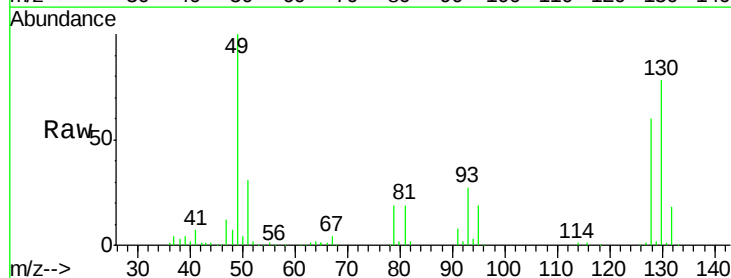
MMDadoda  
6/14/2018 11:29:25 AM

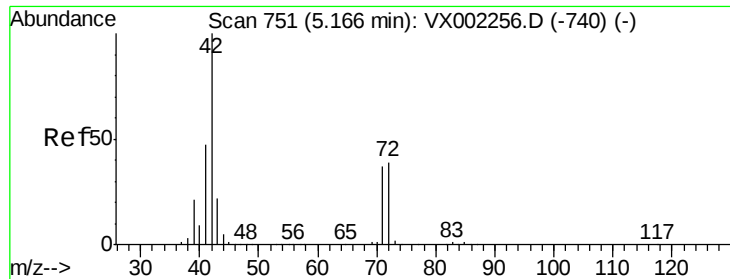


#28

Bromochloromethane  
Concen: 59.839 ug/l  
RT: 5.03 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 102101 |       |       |
| 129     | 2.3   |        | 0.0   | 4.2   |
| 130     | 77.0  |        | 61.2  | 91.8  |





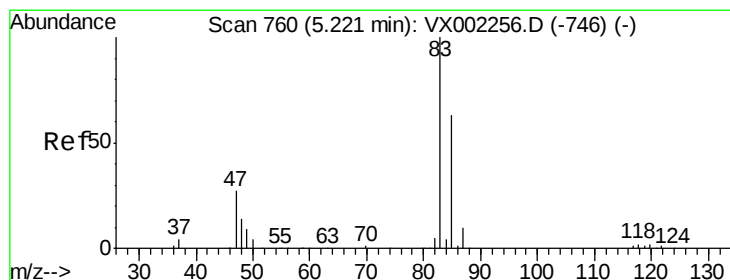
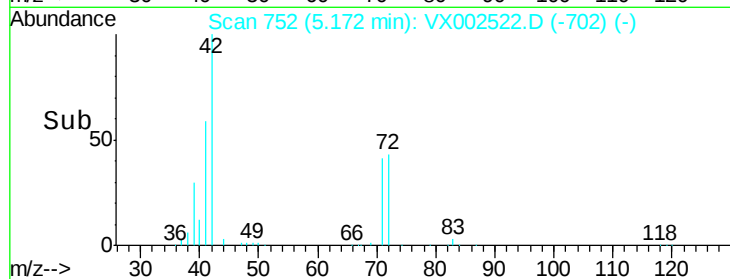
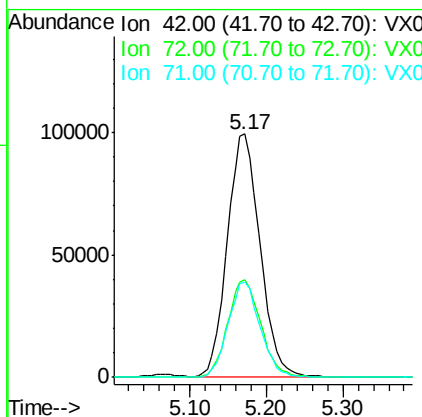
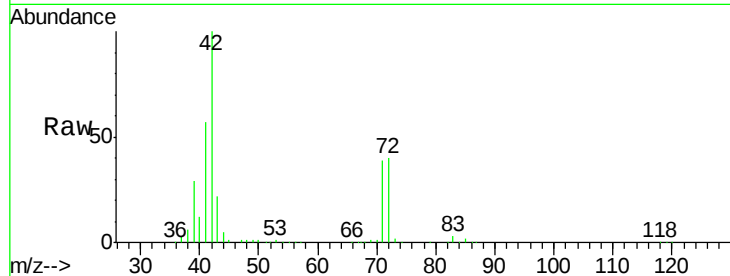
#29  
Tetrahydrofuran  
Concen: 260.411 ug/l  
RT: 5.17 min Scan# 752  
Delta R.T. 0.01 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 292668 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 40.8  | 32.0  | 48.0   |
| 71       | 38.8  | 30.1  | 45.1   |

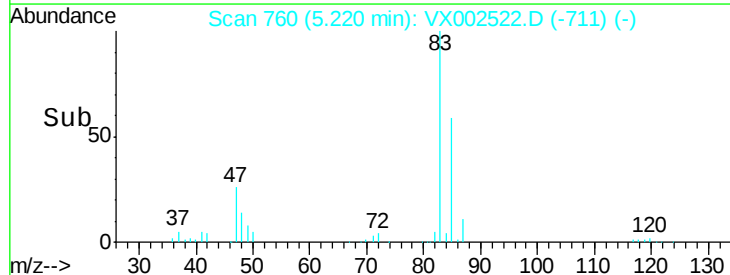
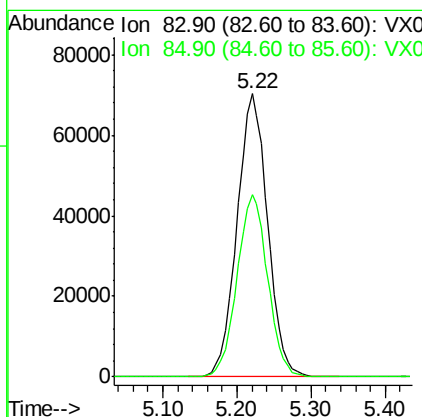
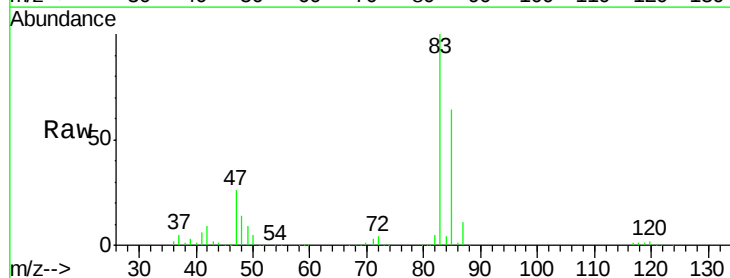
Manual Integrations  
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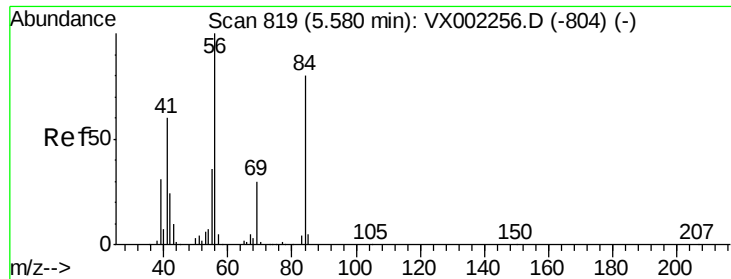
MMDadoda  
6/14/2018 11:29:25 AM



#30  
Chloroform  
Concen: 51.697 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 202504 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.3  | 50.4  | 75.6   |





#31

Cyclohexane

Concen: 34.272 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

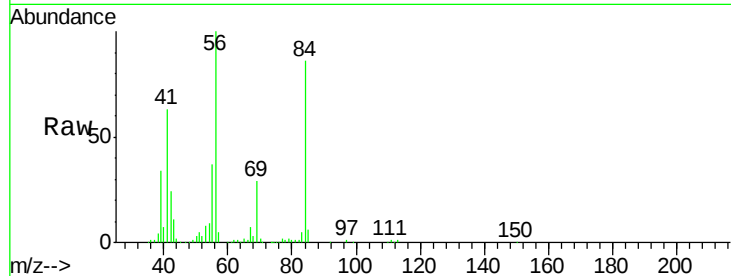
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 110014 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.7  | 23.7  | 35.5   |
| 84       | 83.3  | 64.1  | 96.1   |

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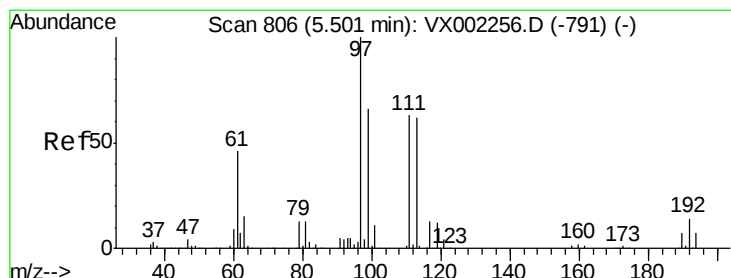
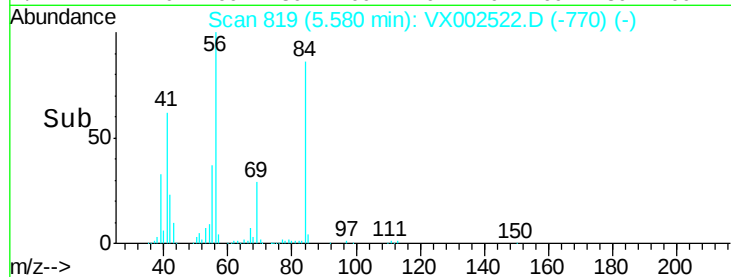
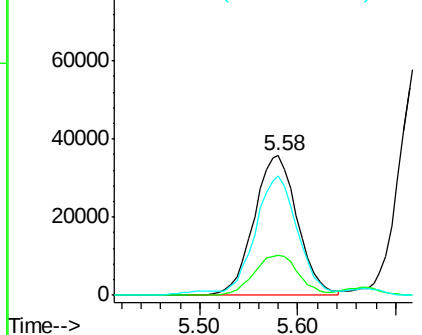


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 46.294 ug/l

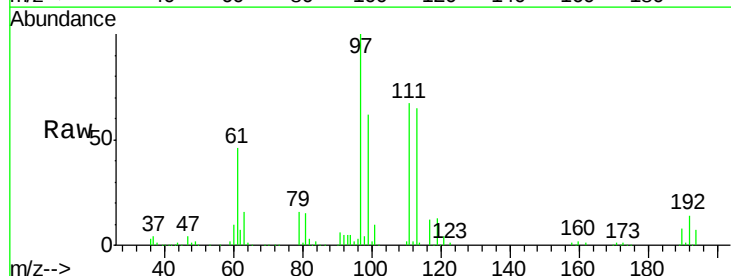
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 153790 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.0  | 51.6  | 77.4   |
| 61       | 45.8  | 36.4  | 54.6   |

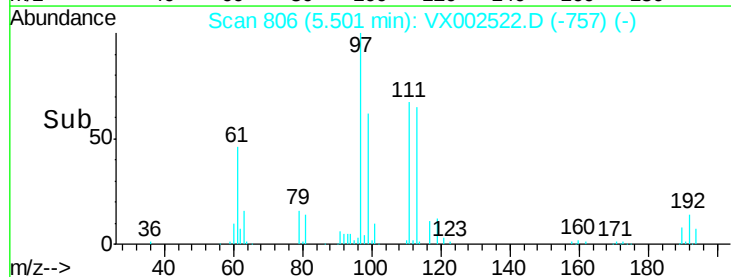
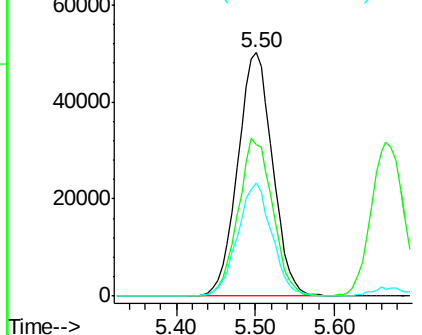


Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





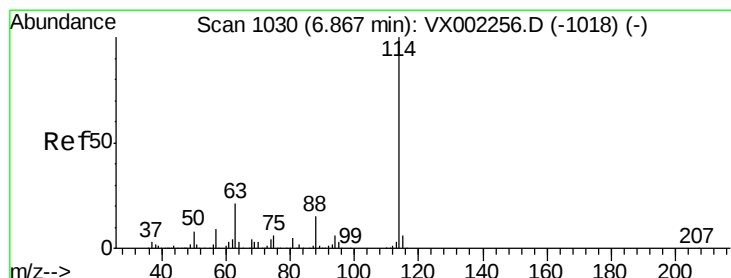
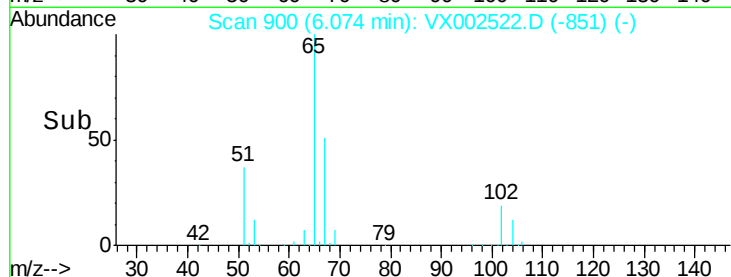
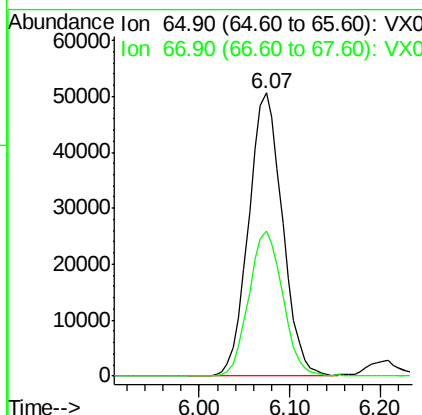
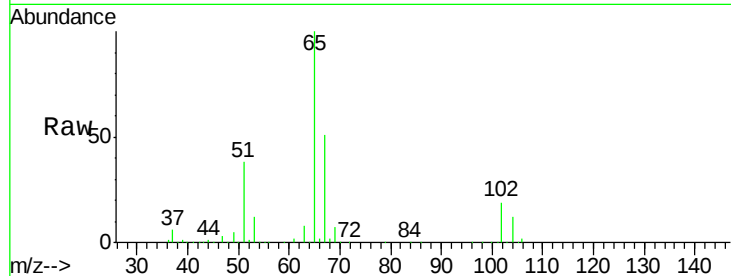
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.554 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 130791 |       |       |
| 67      | 51.4  | 0.0    | 102.6 |       |

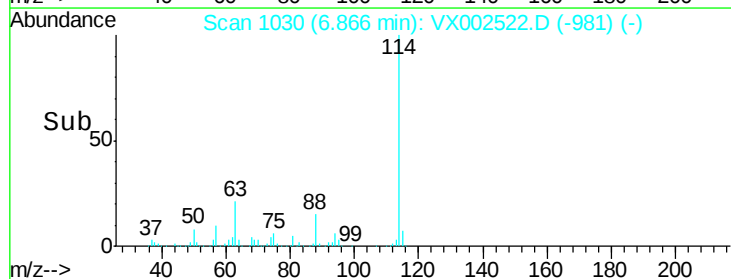
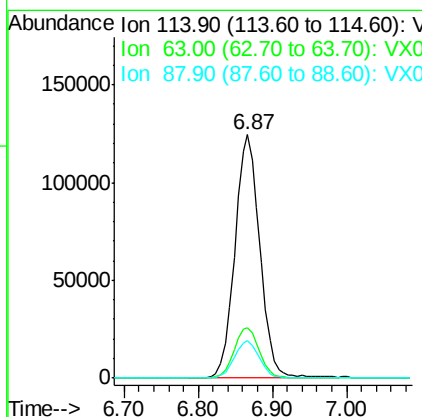
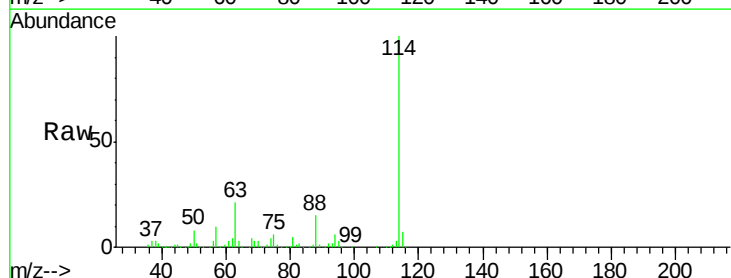
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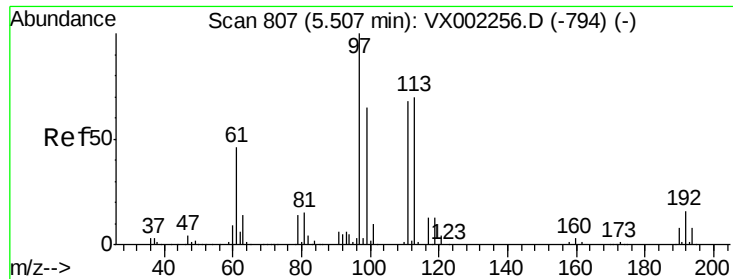
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 292357 |       |       |
| 63      | 20.8  | 0.0    | 41.4  |       |
| 88      | 15.4  | 0.0    | 30.0  |       |





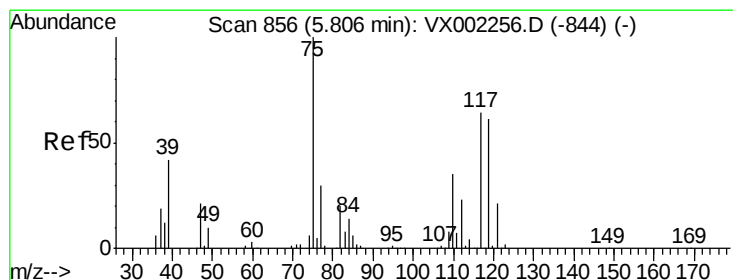
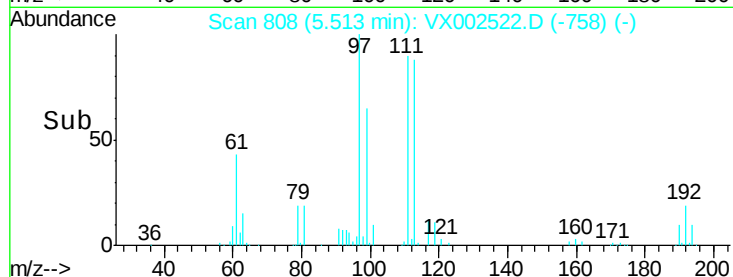
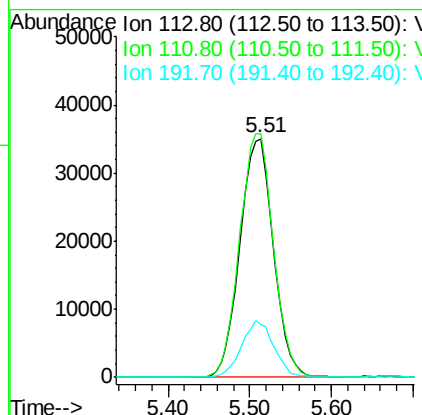
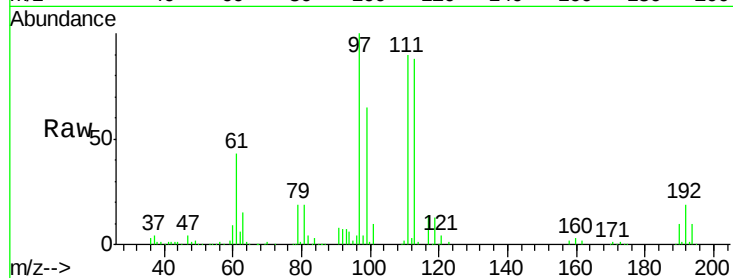
#35  
 Dibromofluoromethane  
 Concen: 43.528 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. 0.01 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 100077 |       |       |
| 111     | 103.1 | 81.4   | 122.0 |       |
| 192     | 22.9  | 19.1   | 28.7  |       |

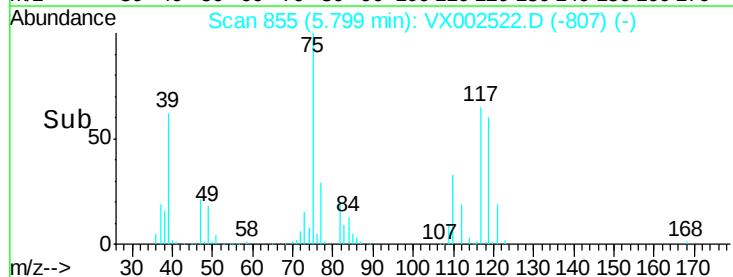
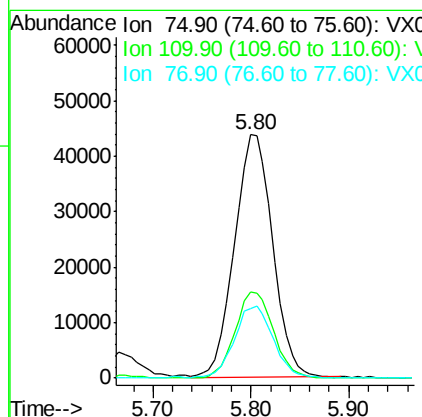
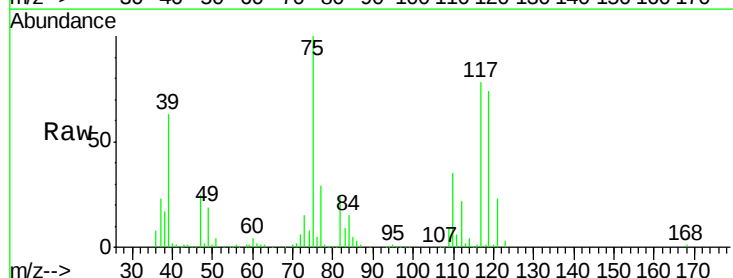
Manual Integrations  
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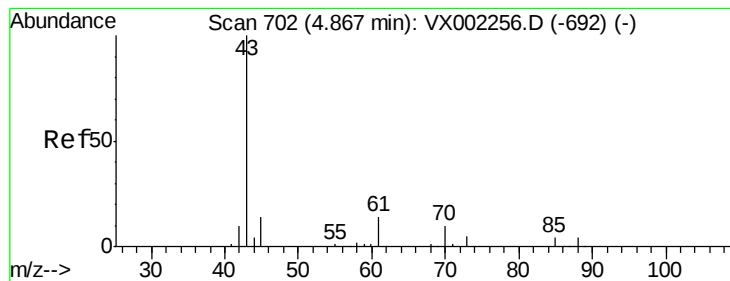
MMDadoda  
 6/14/2018 11:29:25 AM



#36  
 1,1-Dichloropropene  
 Concen: 38.470 ug/l  
 RT: 5.80 min Scan# 855  
 Delta R.T. -0.01 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 118237 |       |       |
| 110     | 35.8  | 18.1   | 54.4  |       |
| 77      | 29.9  | 24.3   | 36.5  |       |





#37

Ethyl Acetate

Concen: 48.794 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

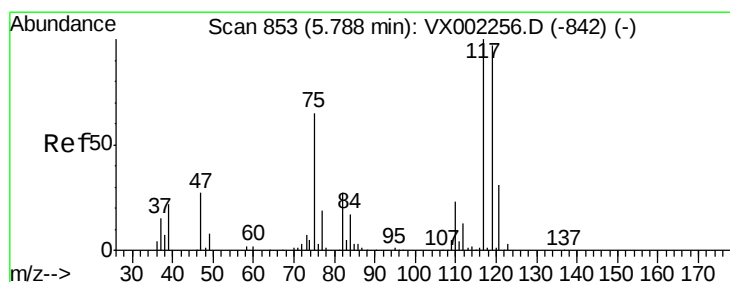
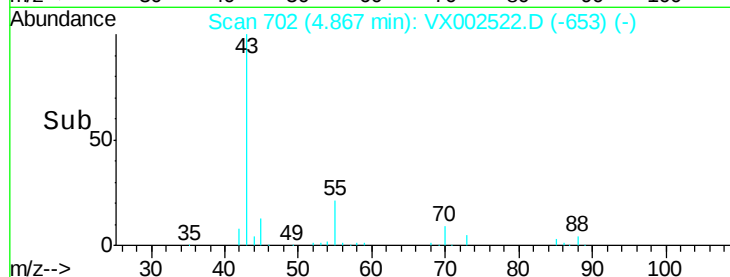
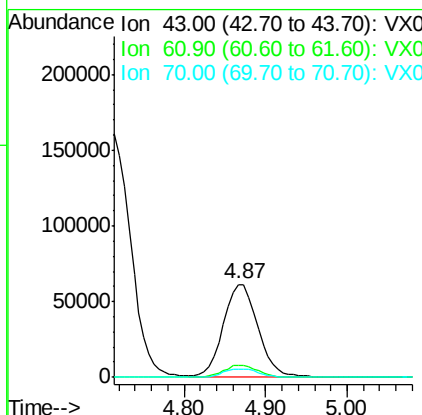
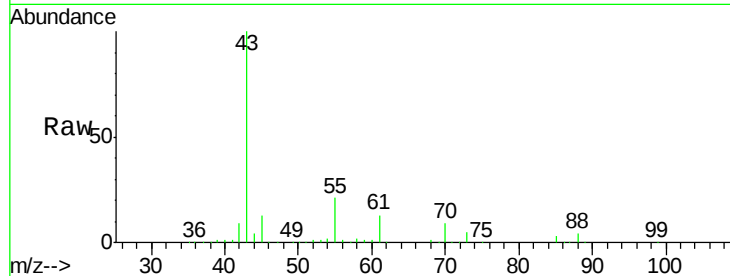
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 180354 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 12.7  | 10.4  | 15.6   |
| 70       | 9.3   | 7.6   | 11.4   |

Manual Integrations  
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6/14/2018 11:29:25 AM



#38

Carbon Tetrachloride

Concen: 38.609 ug/l

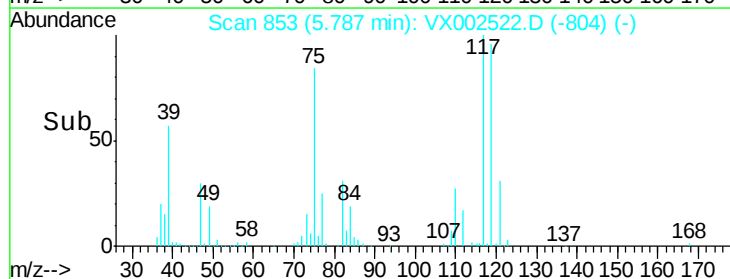
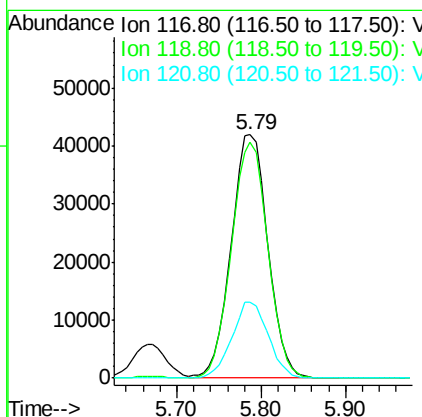
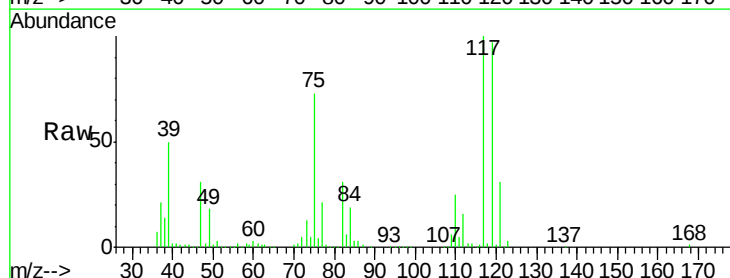
RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 124140 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.7  | 77.4  | 116.0  |
| 121      | 31.4  | 24.4  | 36.6   |





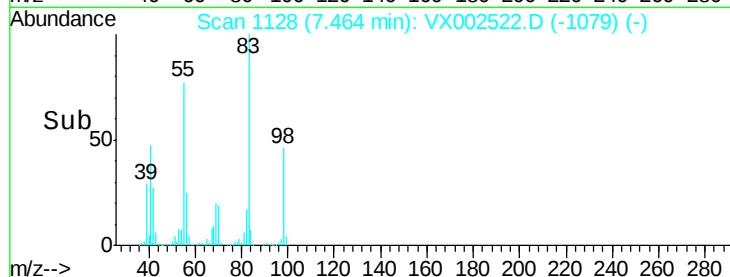
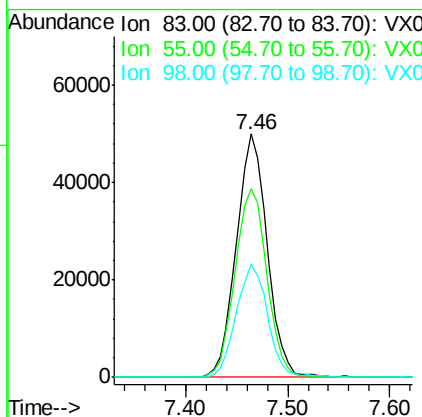
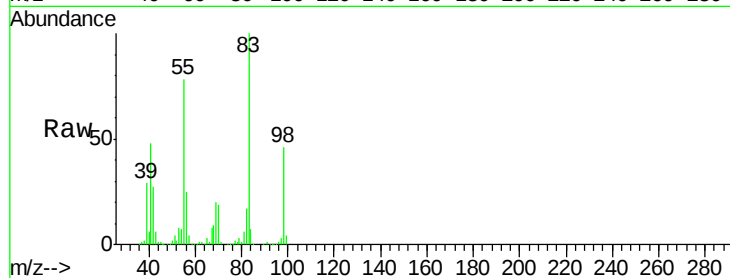
#39  
Methvlcvclohexane  
Concen: 27.843 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.5  | 65.4  | 98.0  |
| 98      | 46.4  | 37.4  | 56.0  |

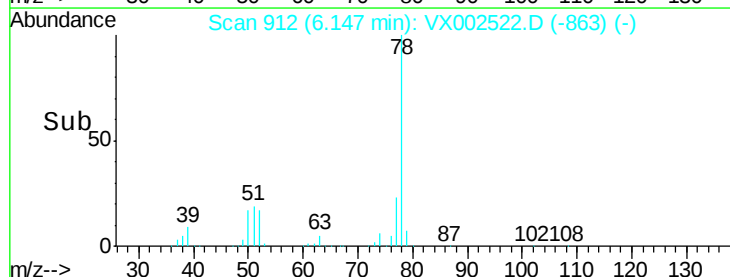
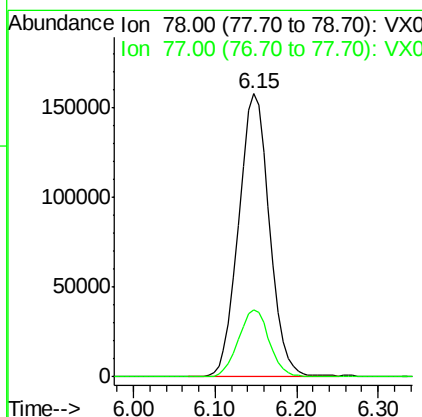
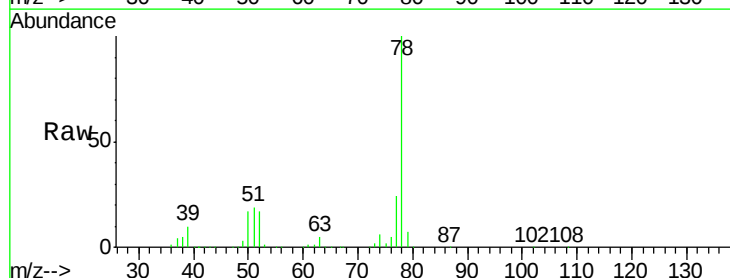
Manual Integrations  
APPROVED

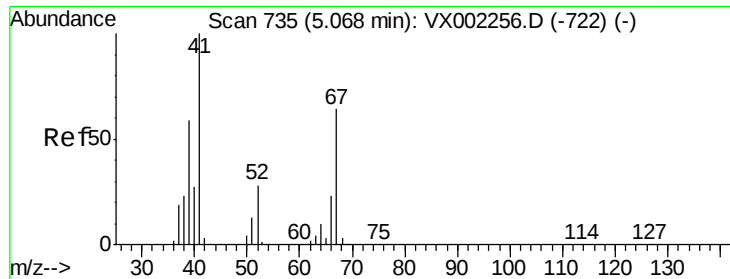
MMDadoda  
6/14/2018 11:29:25 AM



#40  
Benzene  
Concen: 44.030 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 19.1  | 28.7  |





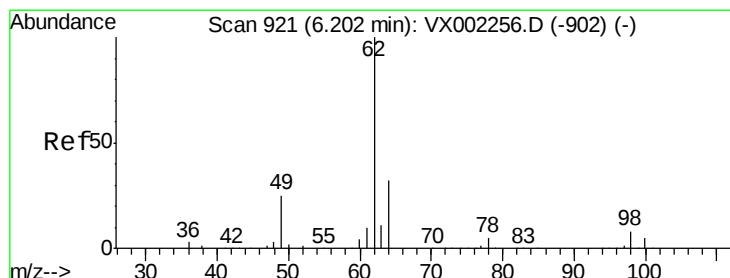
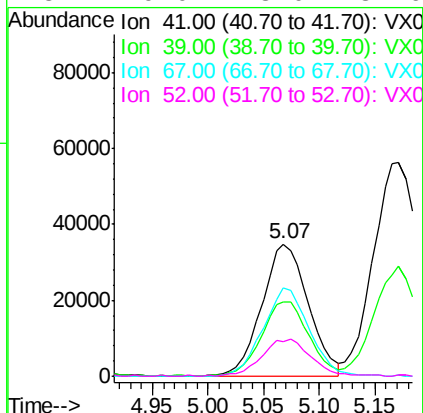
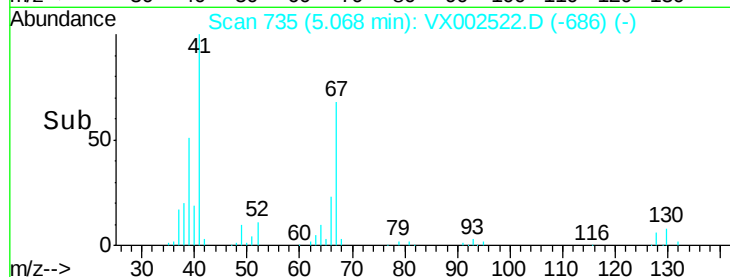
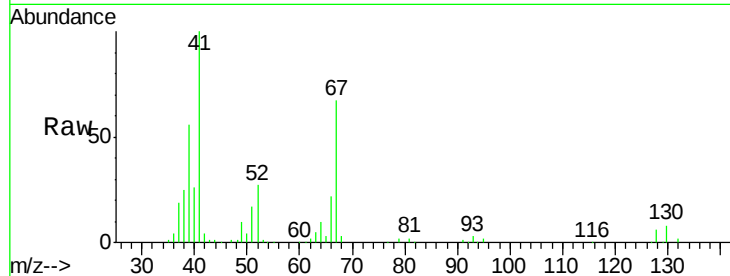
#41  
Methacrylonitrile  
Concen: 47.789 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 56.6 | 45.8  | 68.6  |       |
| 67      | 66.5 | 51.3  | 76.9  |       |
| 52      | 29.0 | 23.0  | 34.6  |       |

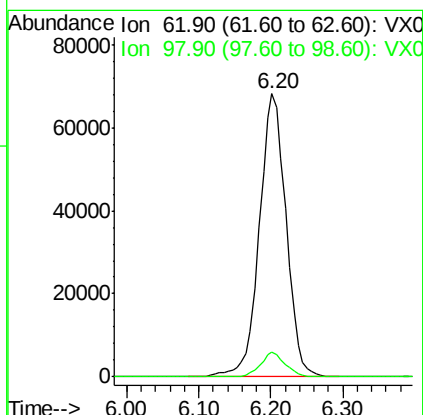
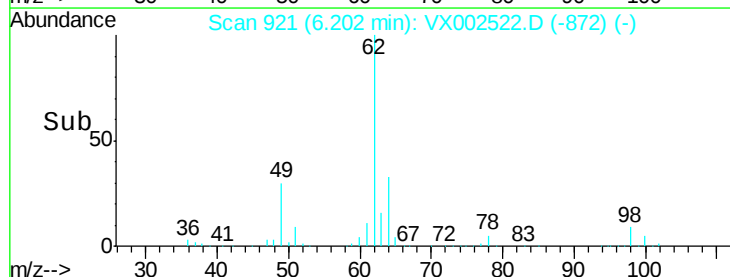
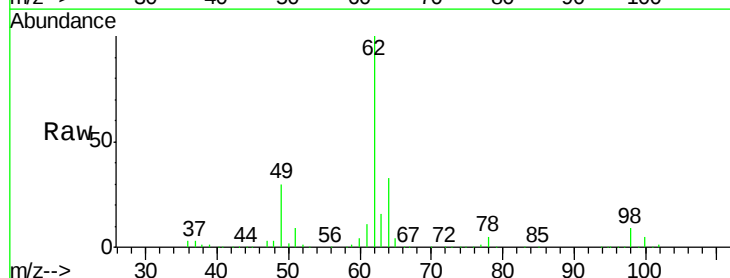
Manual Integrations  
APPROVED

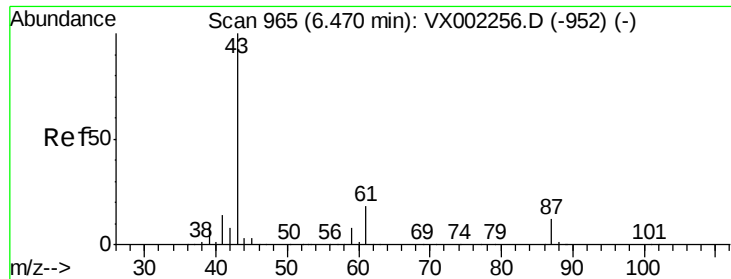
MMDadoda  
6/14/2018 11:29:25 AM



#42  
1,2-Dichloroethane  
Concen: 47.070 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.0 | 0.0   | 16.6  |       |





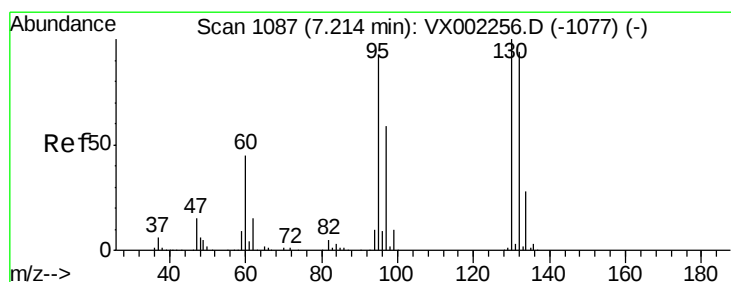
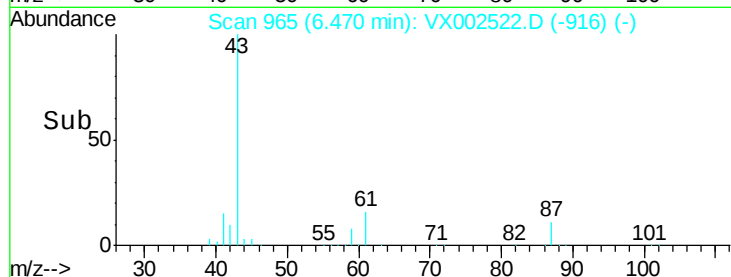
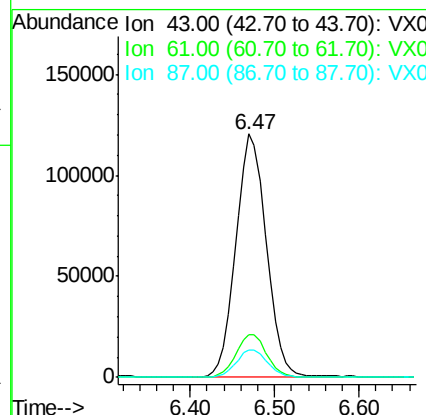
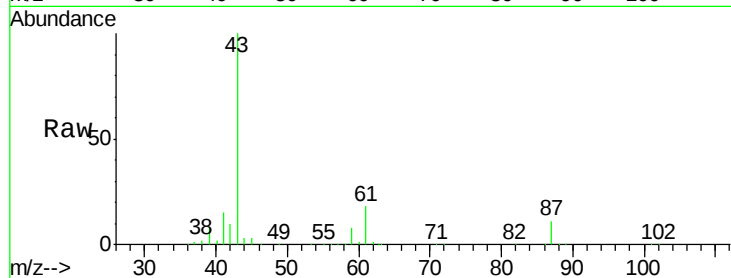
#43  
Isopropyl Acetate  
Concen: 46.938 ug/l  
RT: 6.47 min Scan# 965  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.8  | 14.4  | 21.6  |
| 87      | 11.8  | 9.5   | 14.3  |

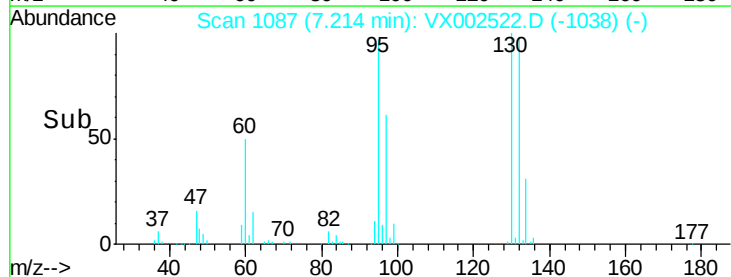
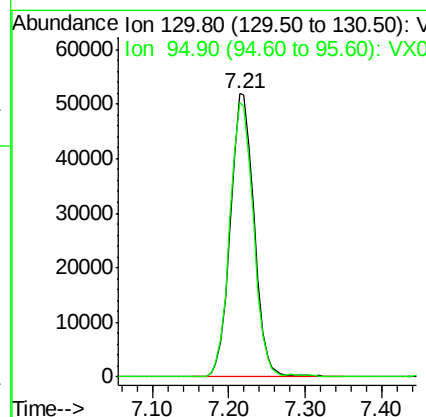
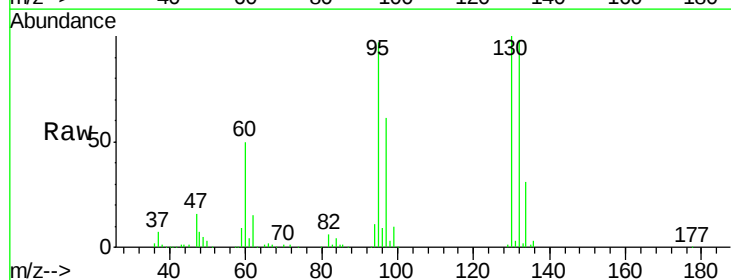
Manual Integrations  
APPROVED

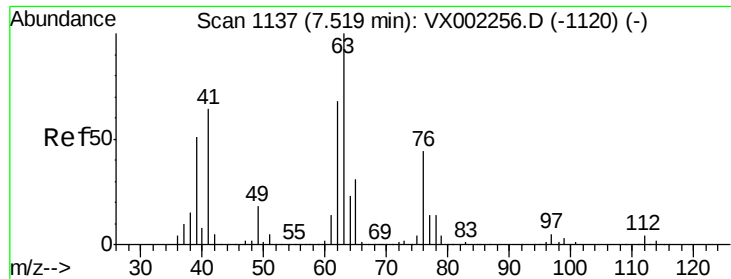
MMDadoda  
6/14/2018 11:29:25 AM



#44  
Trichloroethene  
Concen: 42.498 ug/l  
RT: 7.21 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 96.8  | 0.0   | 185.4 |





#45

1,2-Dichloropropane

Concen: 45.743 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 116377

Ion Ratio Lower Upper

63 100

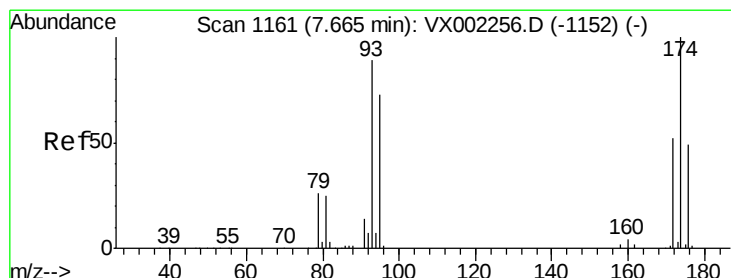
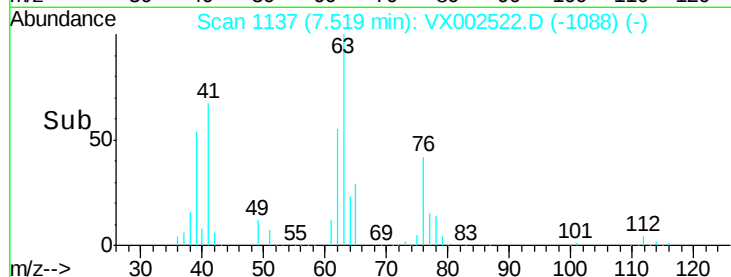
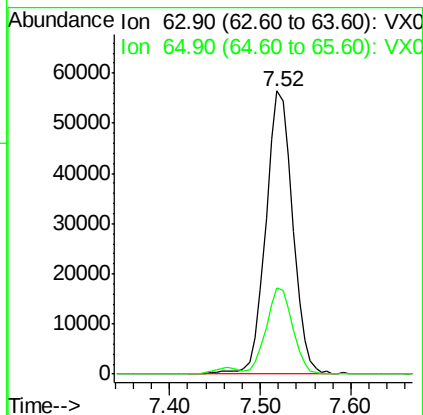
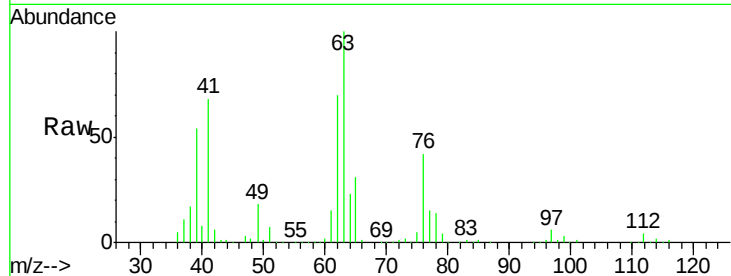
65 30.5 24.7 37.1

Manual Integrations

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6/14/2018 11:29:25 AM



#46

Dibromomethane

Concen: 47.481 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

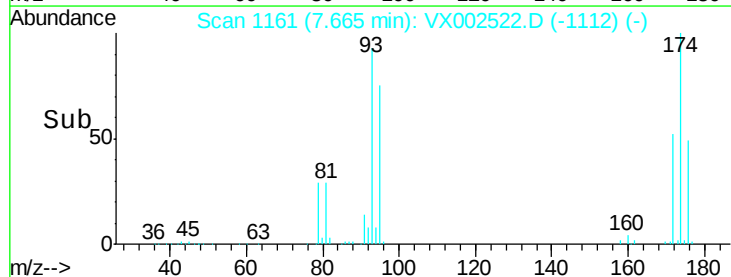
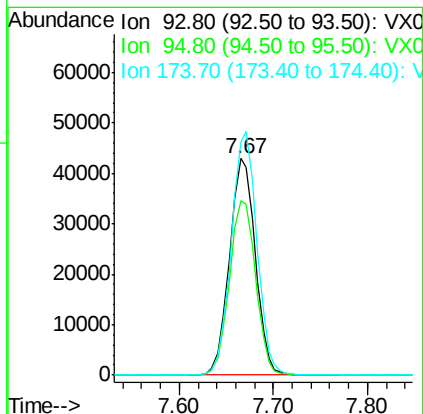
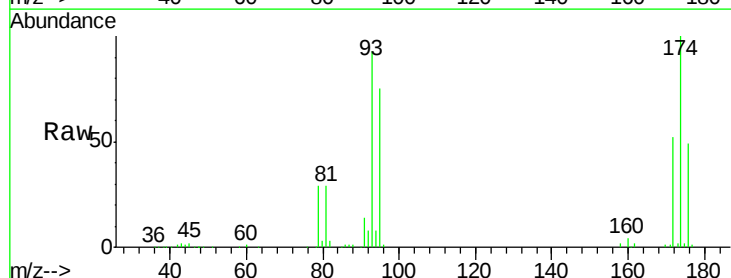
Tgt Ion: 93 Resp: 81889

Ion Ratio Lower Upper

93 100

95 82.3 65.9 98.9

174 111.4 92.4 138.6





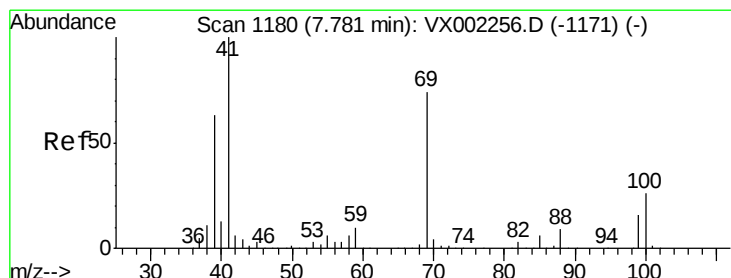
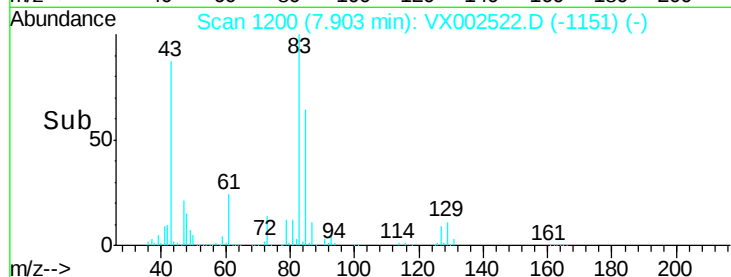
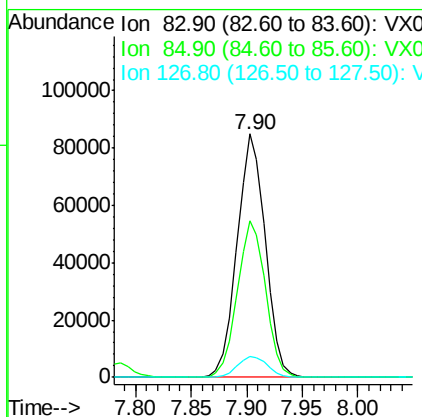
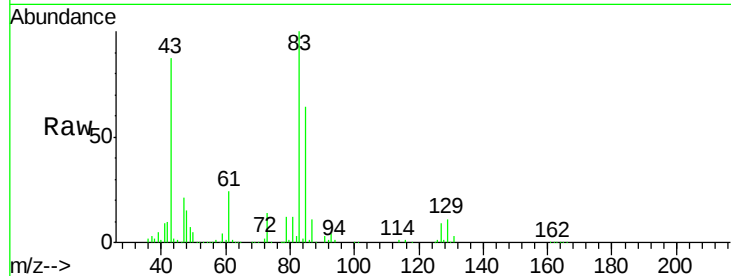
#47  
Bromodichloromethane  
Concen: 47.809 ug/l  
RT: 7.90 min Scan# 1200  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.2  | 50.3  | 75.5  |
| 127     | 8.7   | 7.0   | 10.4  |

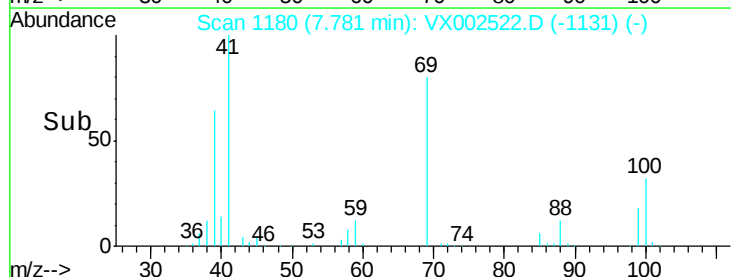
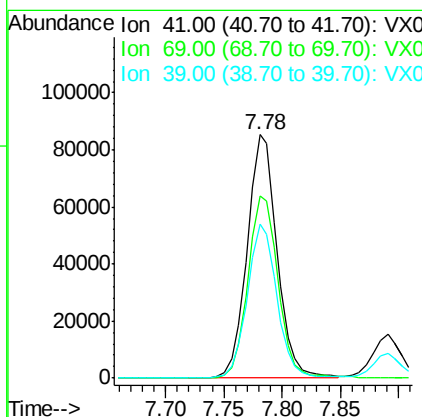
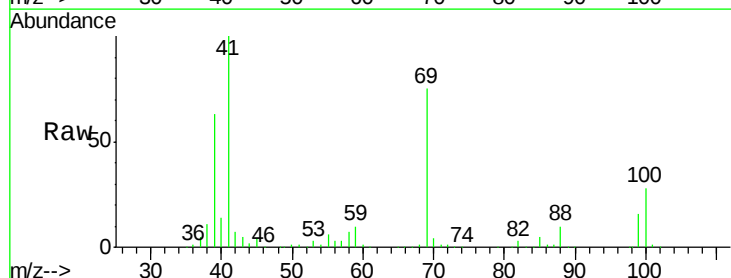
Manual Integrations  
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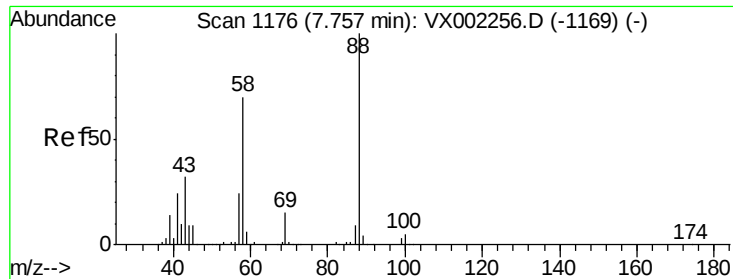
MMDadoda  
6/14/2018 11:29:25 AM



#48  
Methyl methacrylate  
Concen: 48.493 ug/l  
RT: 7.78 min Scan# 1180  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 76.1  | 59.1  | 88.7  |
| 39      | 62.8  | 48.9  | 73.3  |





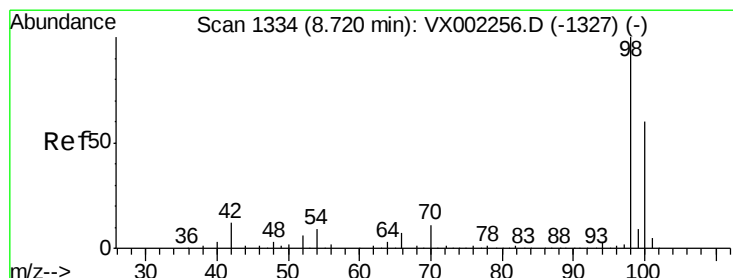
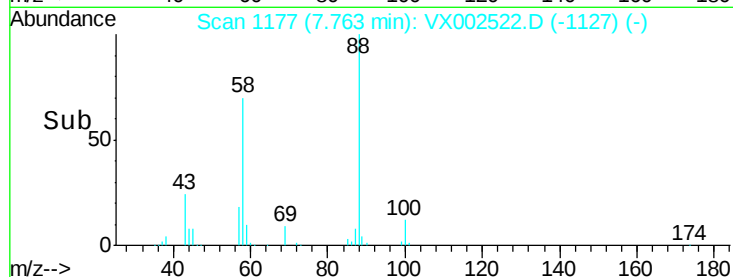
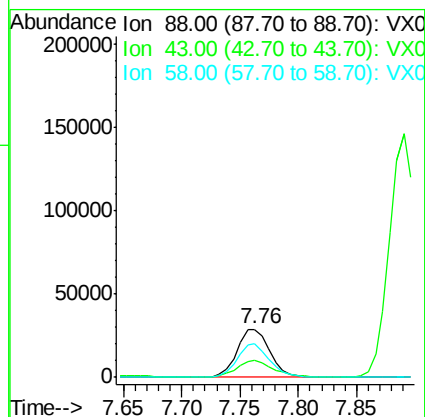
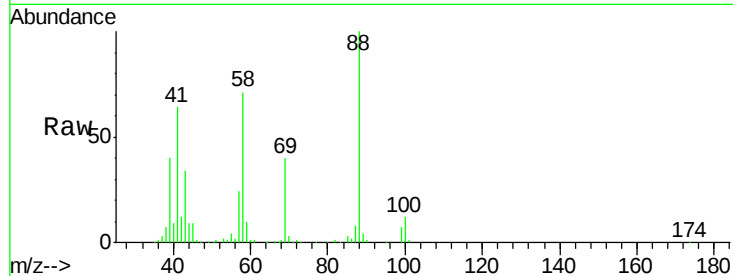
#49  
1,4-Dioxane  
Concen: 964.303 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. 0.01 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.4  | 29.8  | 44.6  |
| 58      | 69.6  | 57.1  | 85.7  |

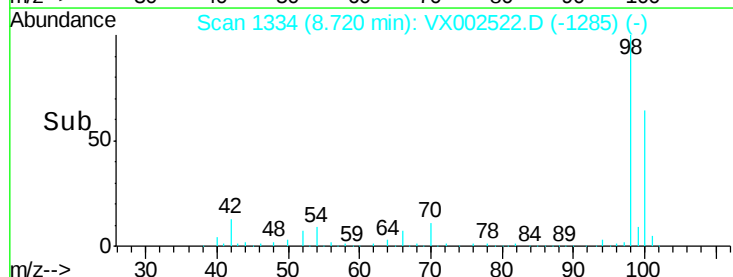
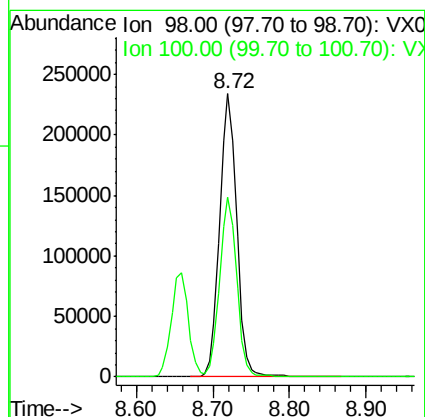
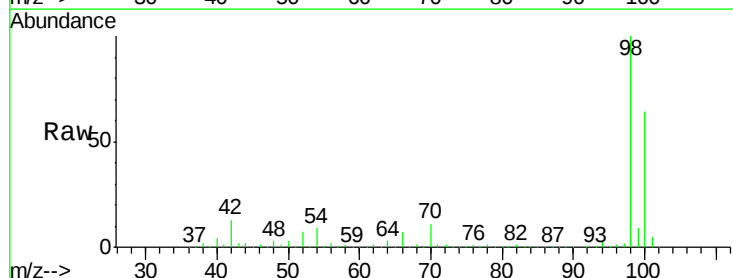
Manual Integrations  
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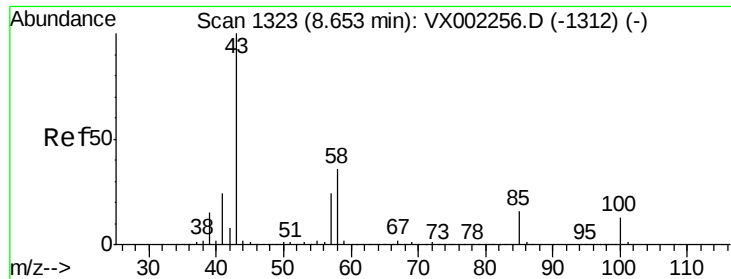
MMDadoda  
6/14/2018 11:29:25 AM



#50  
Toluene-d8  
Concen: 41.208 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.3  | 50.9  | 76.3  |





#51

4-Methyl-2-Pentanone

Concen: 255.008 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 996993

Ion Ratio Lower Upper

43 100

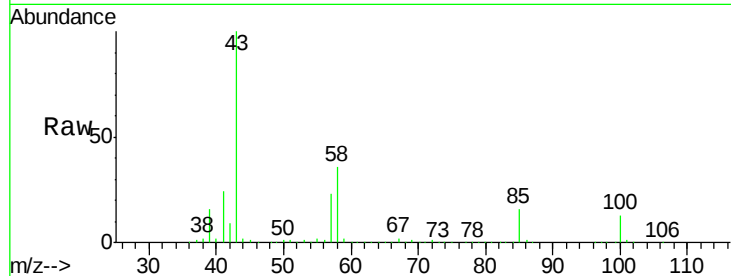
58 35.7 28.6 42.8

Manual Integrations

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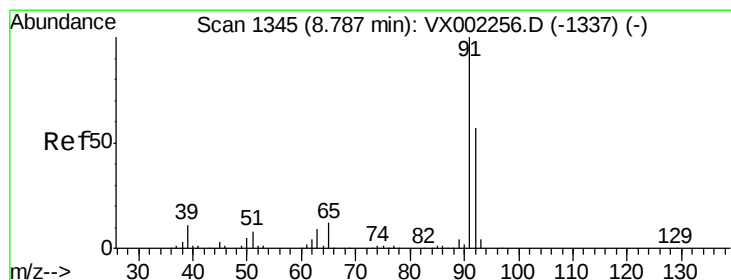
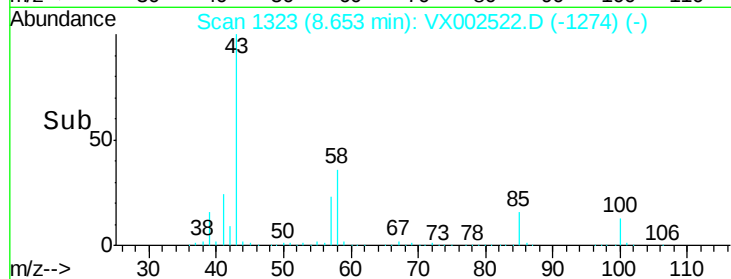
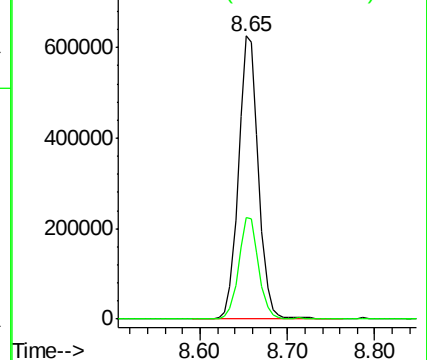
MMDadoda

6/14/2018 11:29:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 45.025 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002522.D

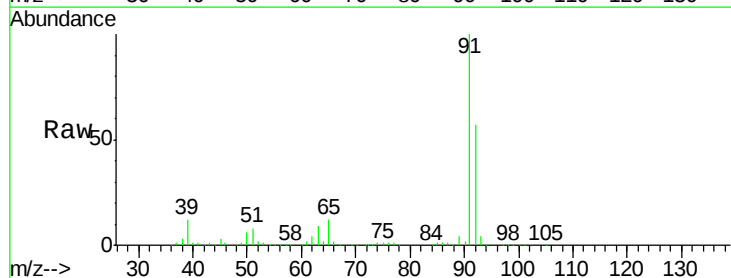
Acq: 13 Jun 2018 21:22

Tgt Ion: 92 Resp: 269867

Ion Ratio Lower Upper

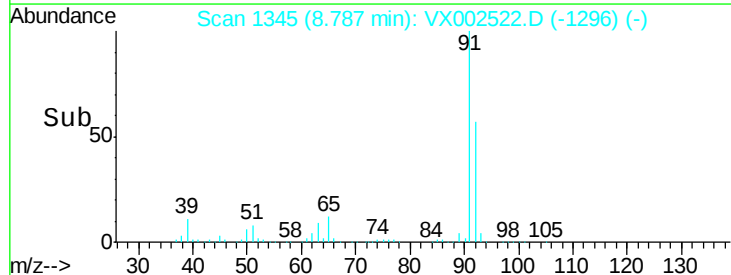
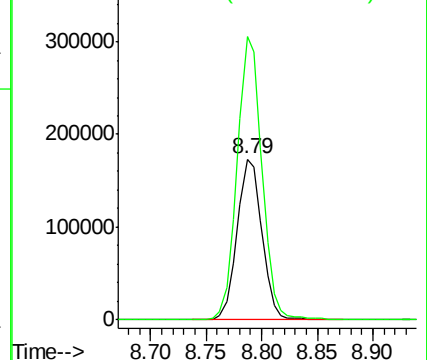
92 100

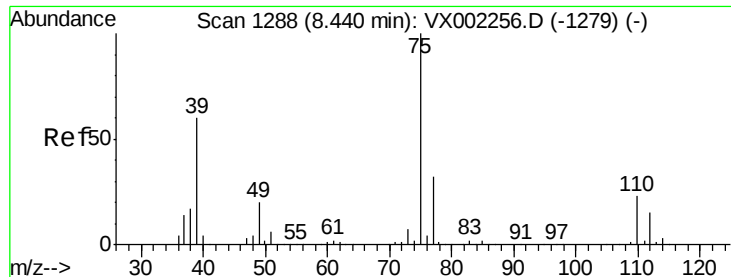
91 176.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





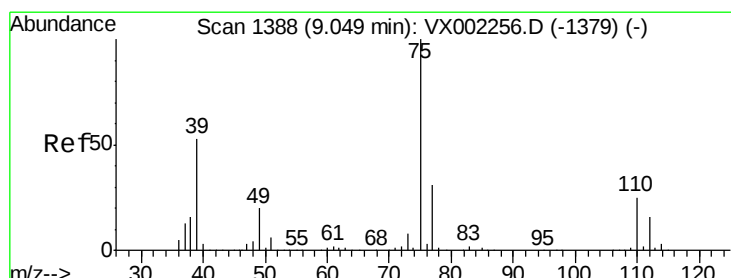
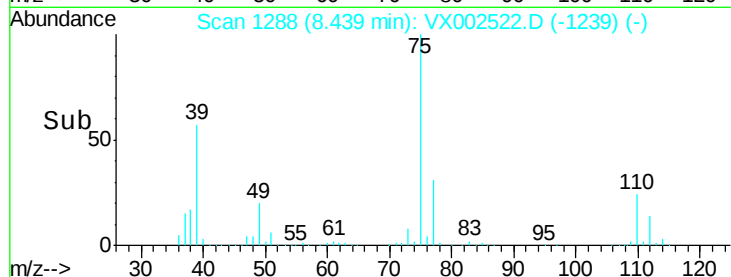
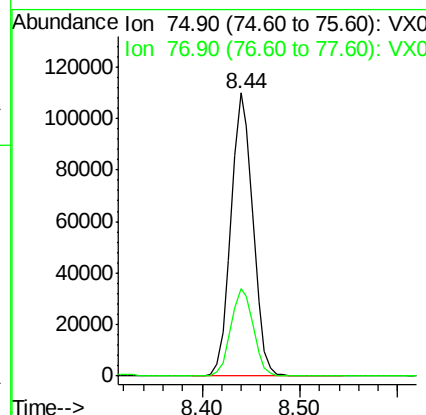
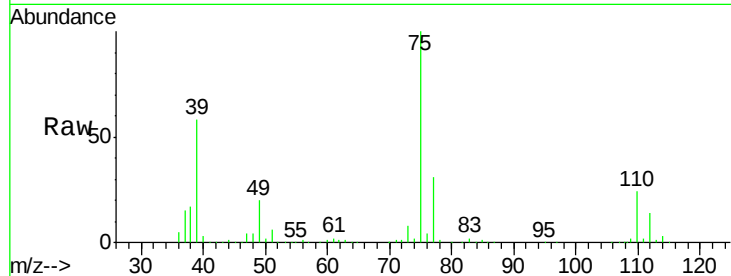
#53  
t-1,3-Dichloropropene  
Concen: 45.804 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 171336  
Ion Ratio Lower Upper  
75 100  
77 30.7 25.4 38.2

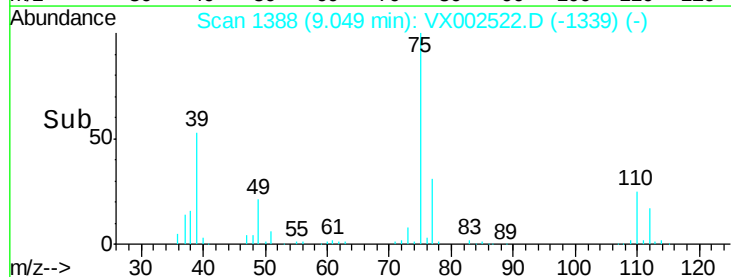
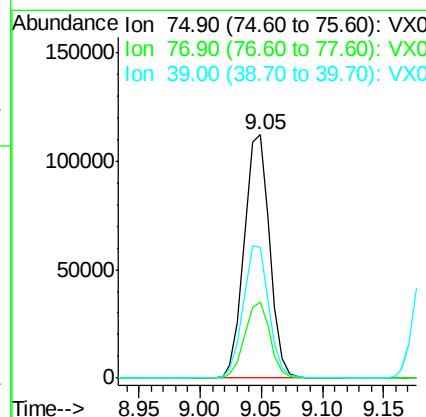
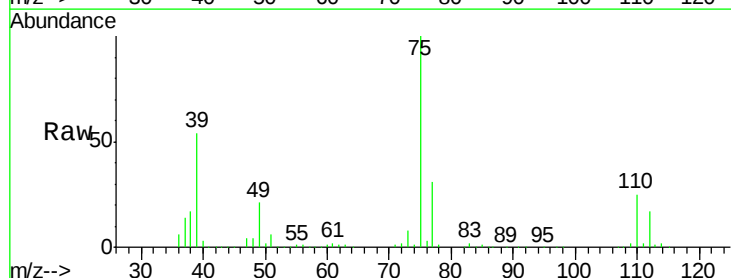
Manual Integrations  
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#54  
cis-1,3-Dichloropropene  
Concen: 45.718 ug/l  
RT: 9.05 min Scan# 1388  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Tgt Ion: 75 Resp: 161342  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.8 37.2  
39 53.6 42.4 63.6





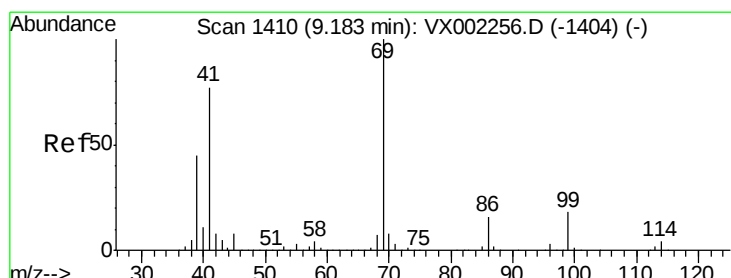
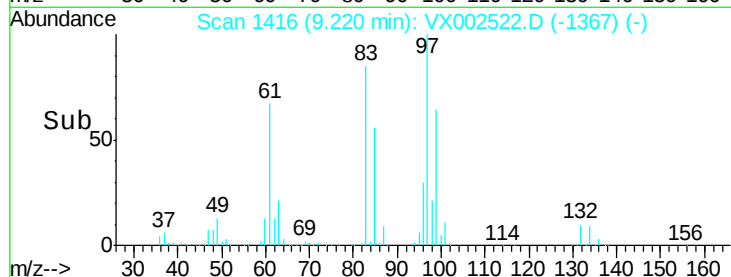
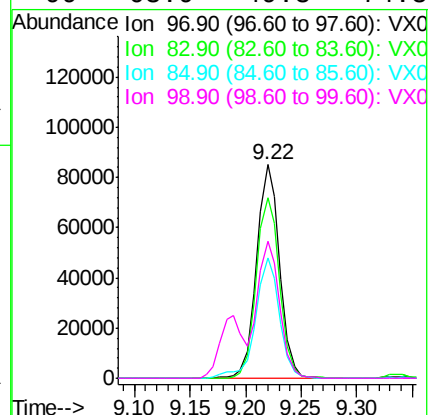
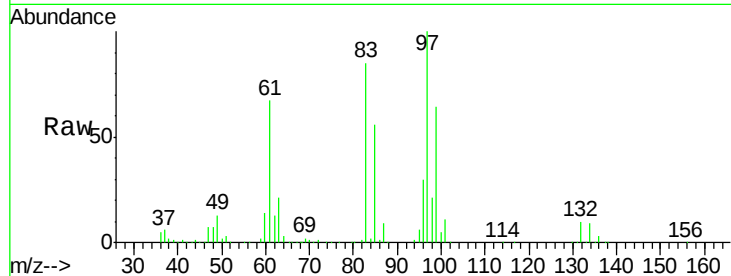
#55  
 1,1,2-Trichloroethane  
 Concen: 49.941 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 123112 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.6  | 70.2  | 105.2  |
| 85       | 56.3  | 44.9  | 67.3   |
| 99       | 63.9  | 49.8  | 74.8   |

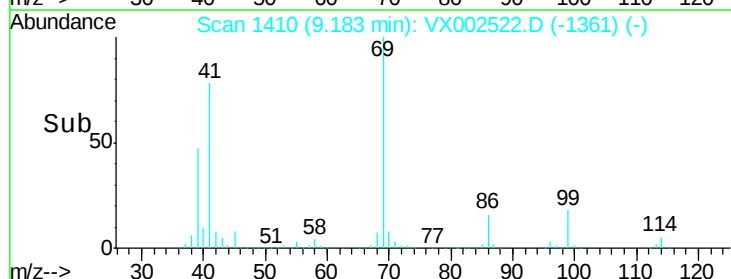
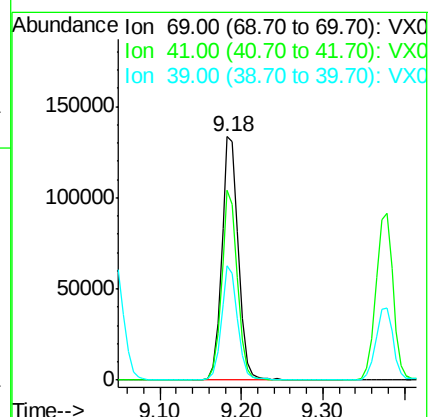
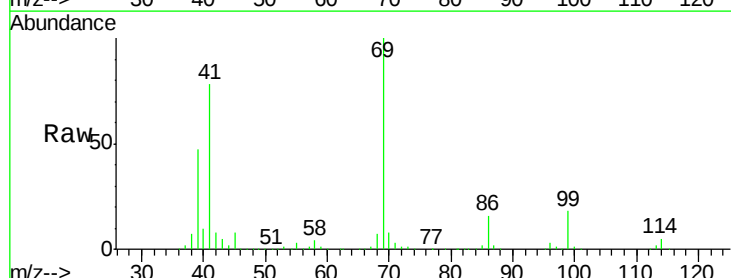
Manual Integrations  
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#56  
 Ethyl methacrylate  
 Concen: 48.460 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 190724 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 74.5  | 60.3  | 90.5   |
| 39       | 45.5  | 35.8  | 53.8   |





#57

1,3-Dichloropropane

Concen: 48.671 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 201288

Ion Ratio Lower Upper

76 100

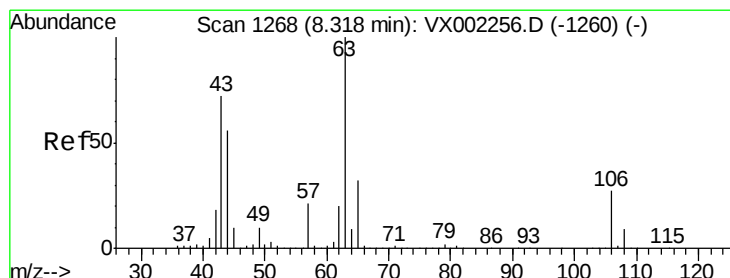
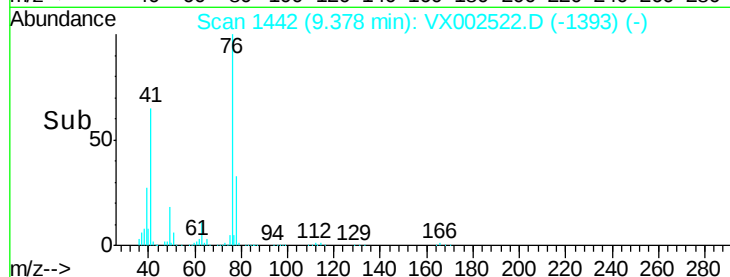
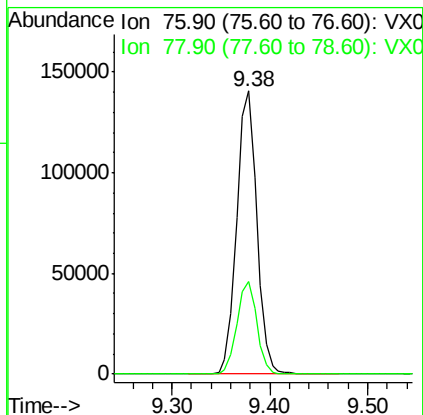
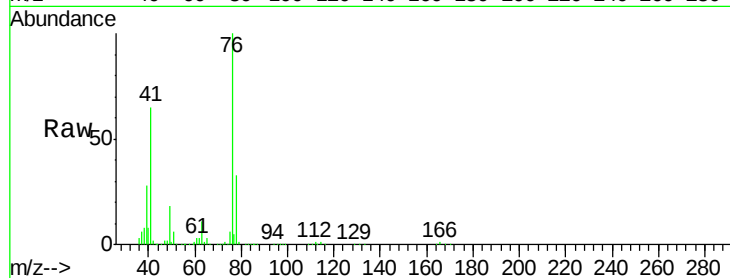
78 32.5 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 252.766 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002522.D

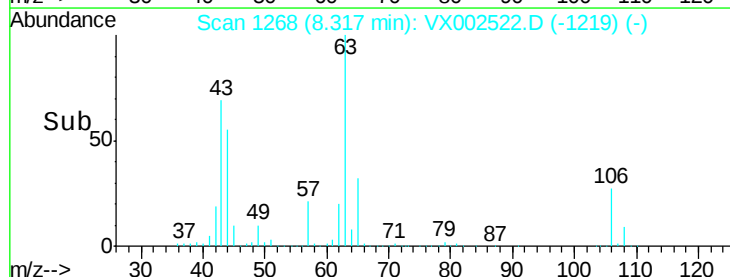
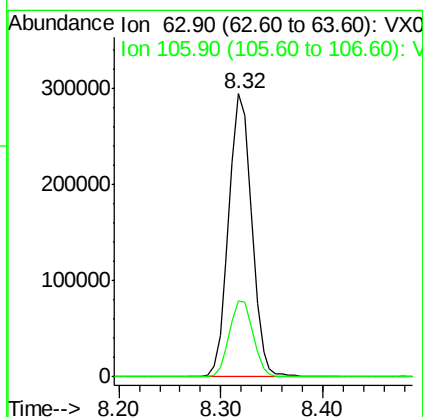
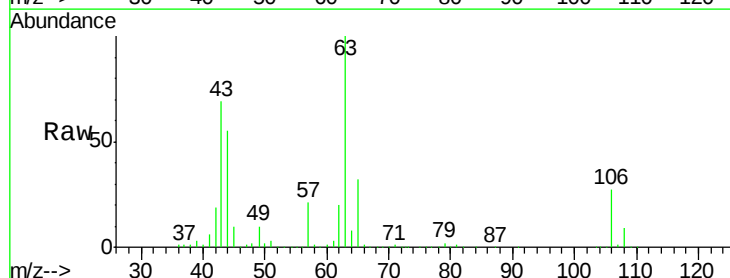
Acq: 13 Jun 2018 21:22

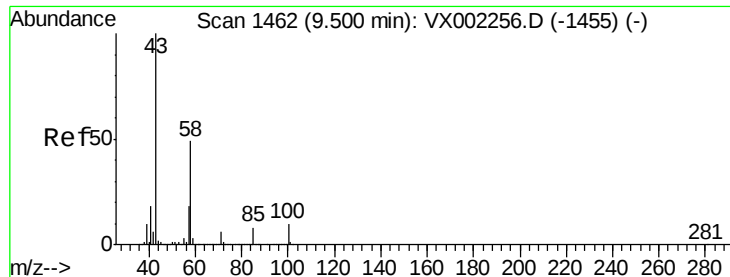
Tgt Ion: 63 Resp: 460438

Ion Ratio Lower Upper

63 100

106 27.8 21.8 32.8





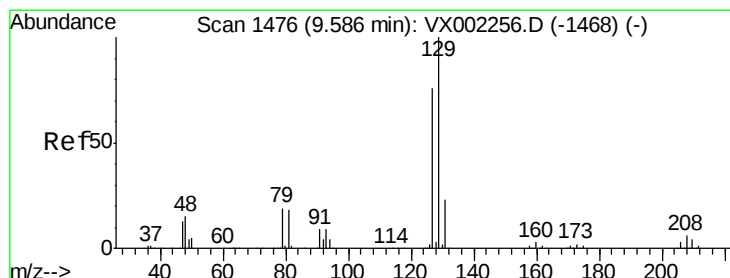
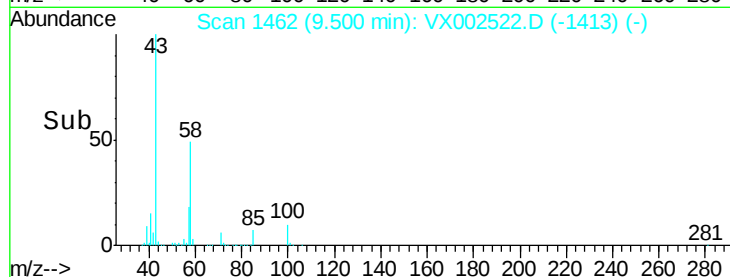
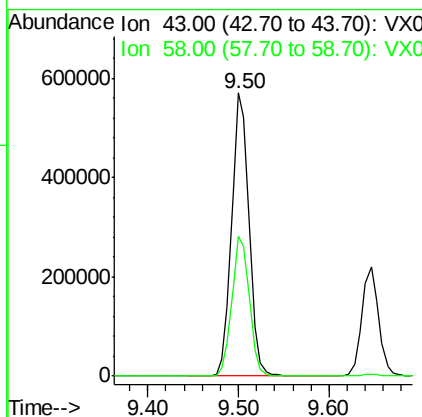
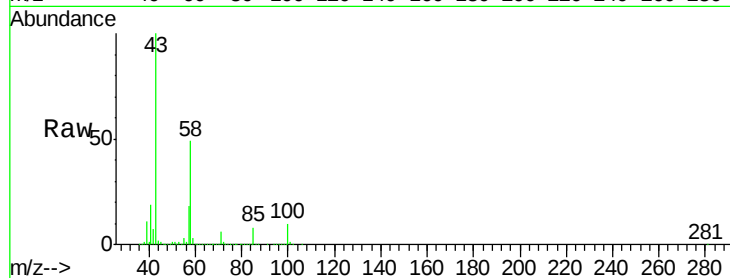
#59  
2-Hexanone  
Concen: 251.113 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 49.9  | 24.6  | 73.6  |

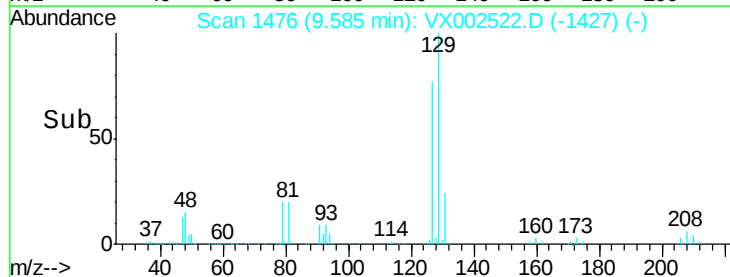
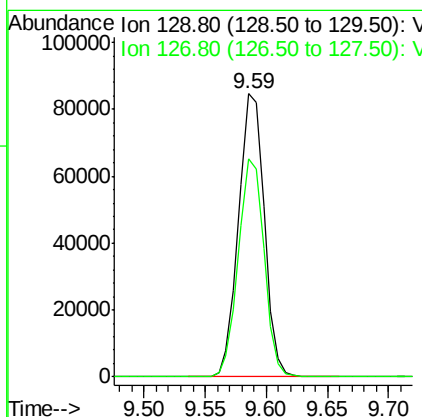
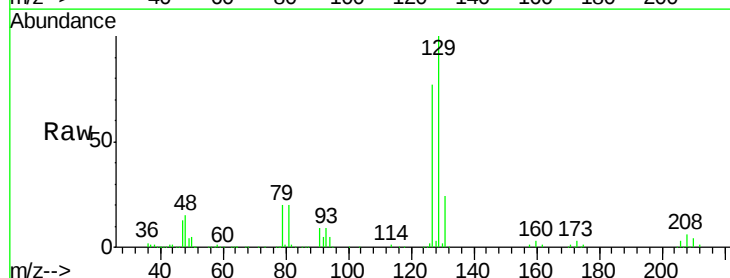
Manual Integrations  
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#60  
Dibromochloromethane  
Concen: 49.890 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.9  | 38.5  | 115.3 |





#61

1,2-Dibromoethane

Concen: 50.307 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 129309

Ion Ratio Lower Upper

107 100

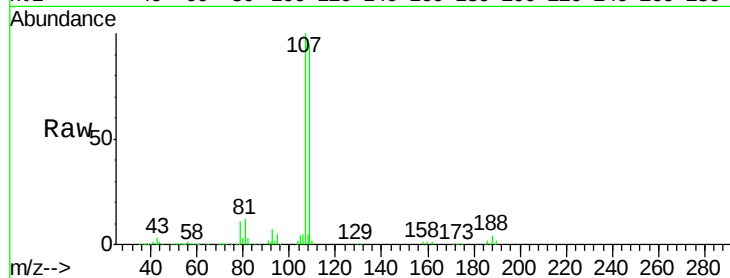
109 94.6 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

60000

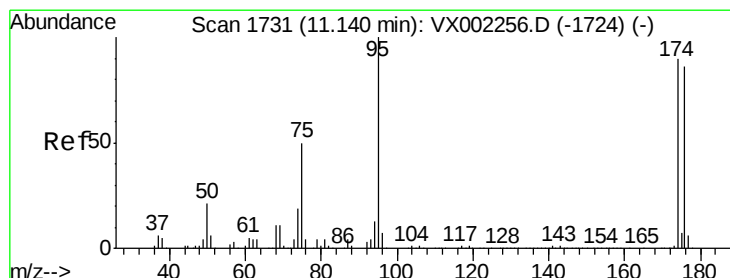
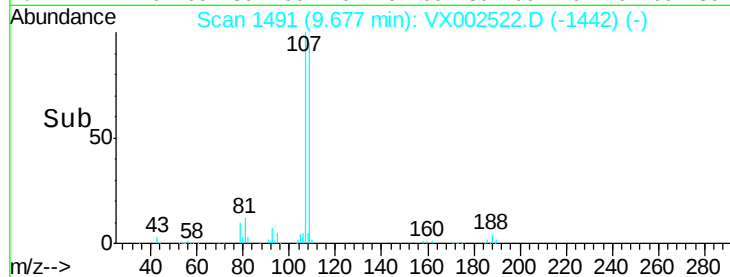
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 42.030 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

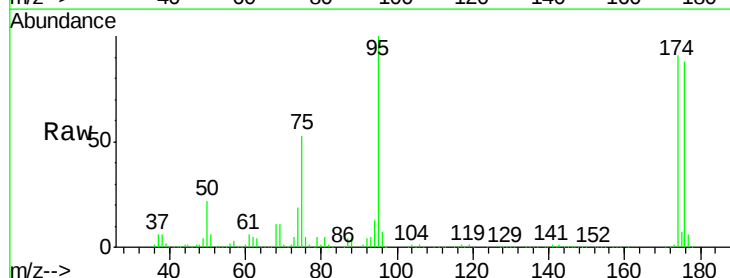
Tgt Ion: 95 Resp: 142826

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

176 94.9 0.0 181.0



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

11.14

150000

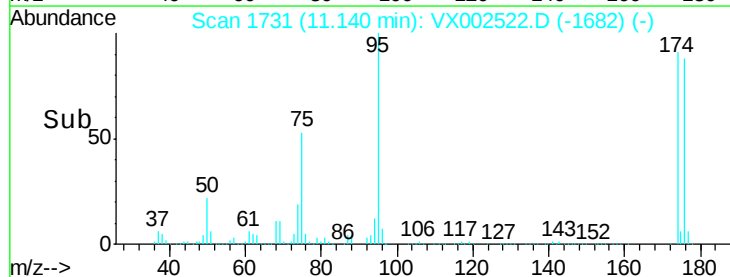
100000

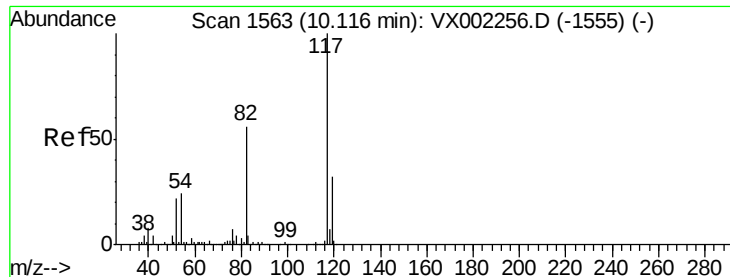
50000

0

Time-->

11.10 11.15 11.20





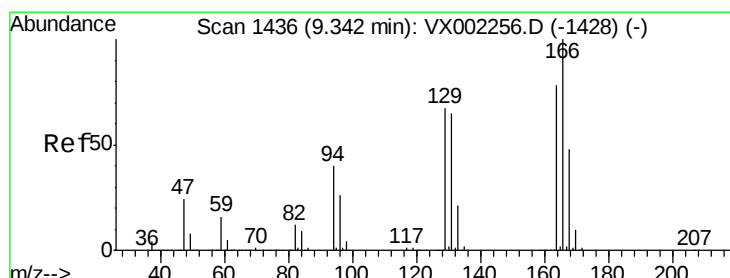
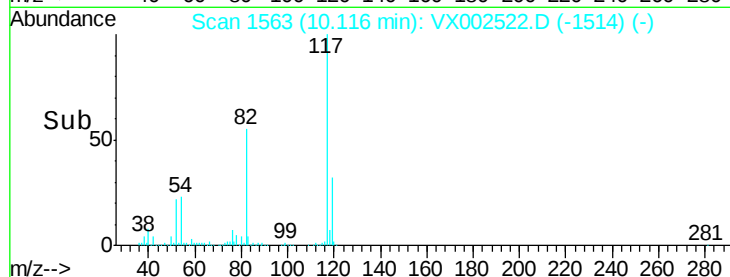
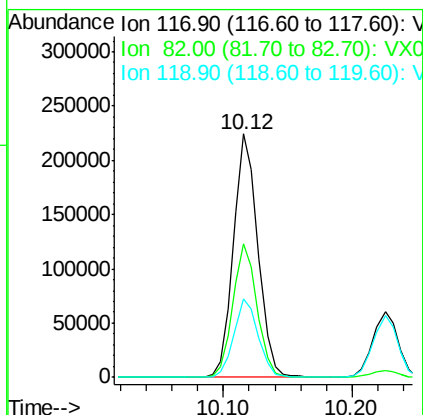
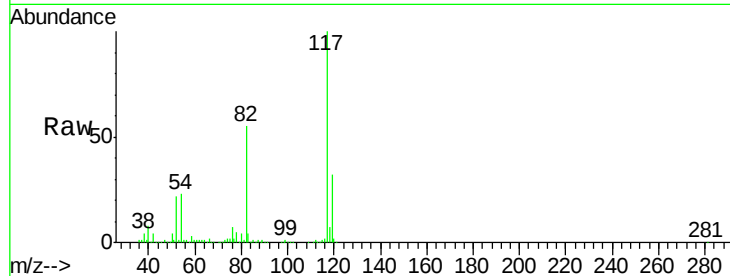
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.0  | 45.0  | 67.4  |
| 119     | 32.4  | 25.8  | 38.6  |

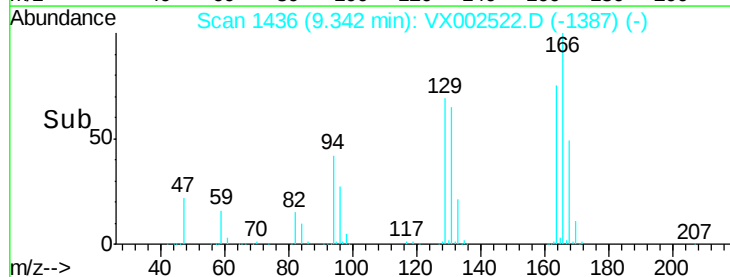
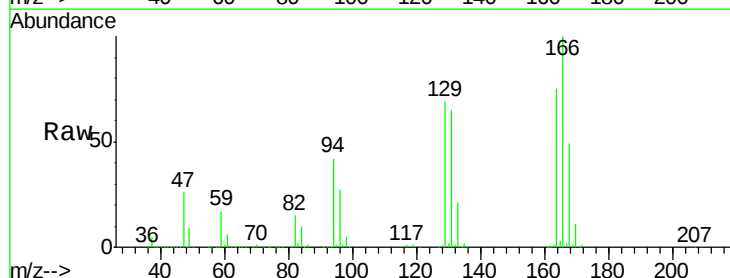
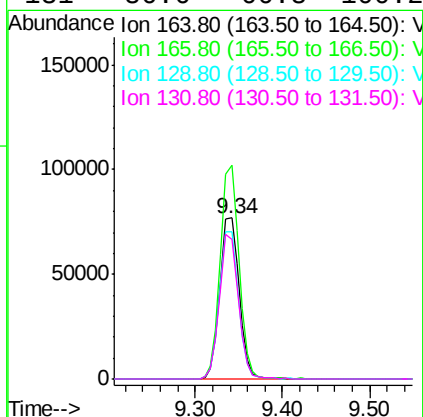
Manual Integrations  
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#64  
Tetrachloroethene  
Concen: 38.328 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 132.9 | 102.9 | 154.3 |
| 129     | 91.4  | 68.6  | 102.8 |
| 131     | 86.6  | 66.8  | 100.2 |





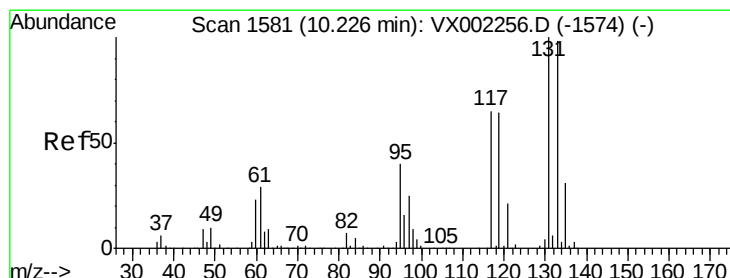
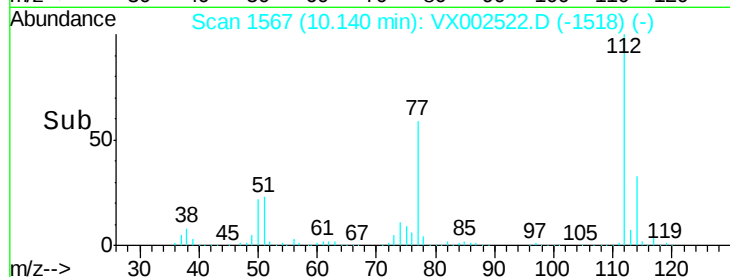
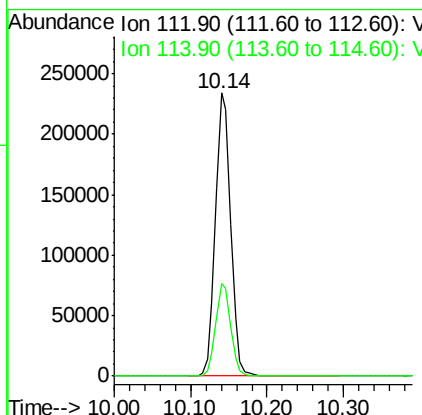
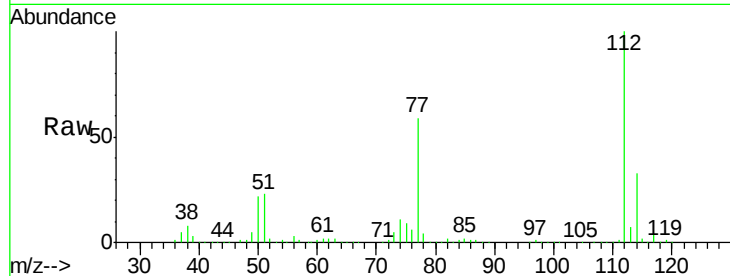
#65  
Chlorobenzene  
Concen: 43.429 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 322720  
Ion Ratio Lower Upper  
112 100  
114 32.8 25.3 37.9

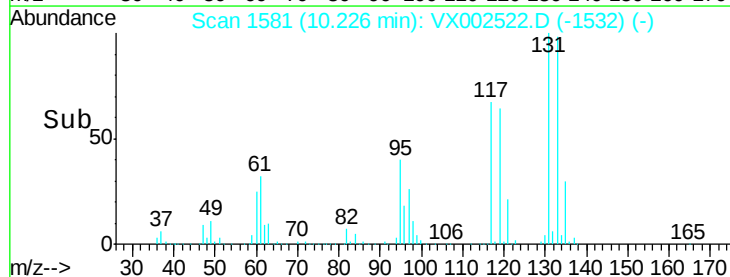
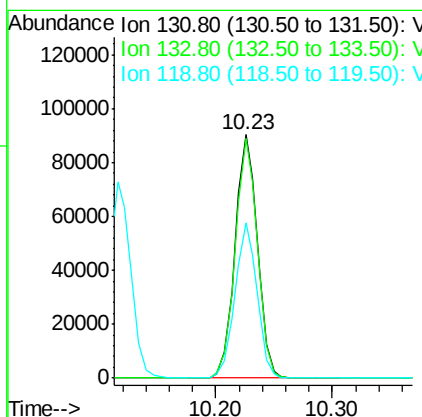
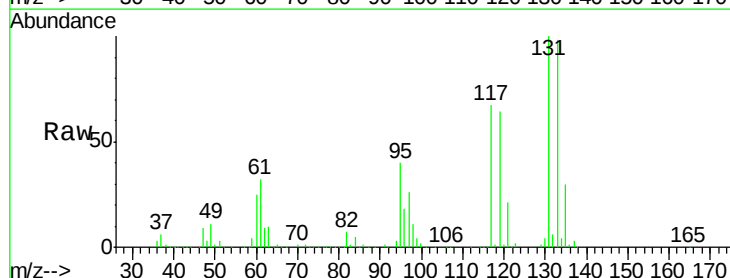
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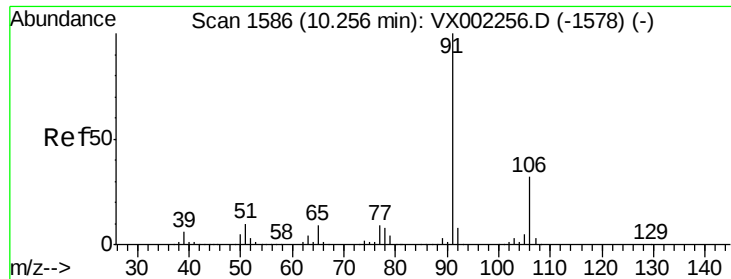
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 45.009 ug/l  
RT: 10.23 min Scan# 1581  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Tgt Ion:131 Resp: 121106  
Ion Ratio Lower Upper  
131 100  
133 97.2 47.9 143.6  
119 62.8 31.8 95.3





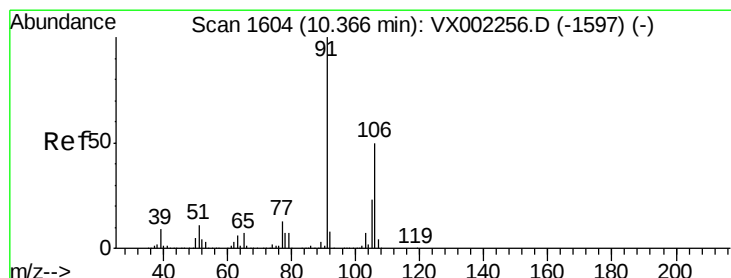
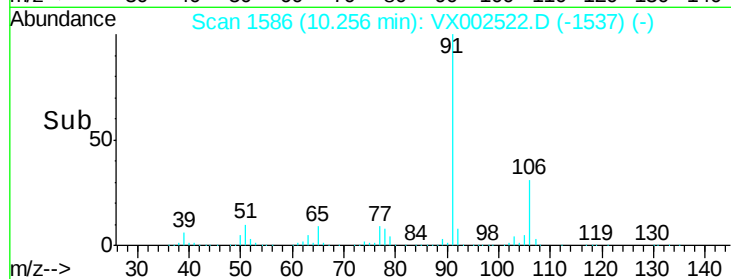
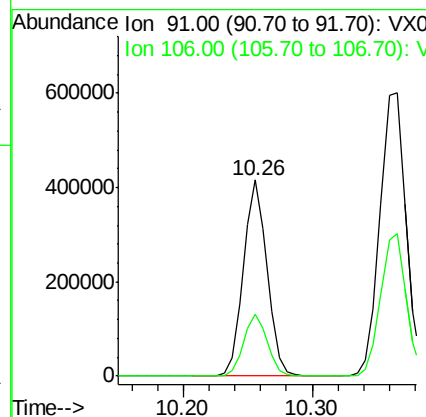
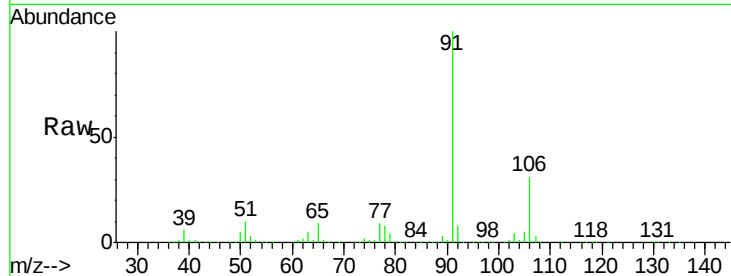
#67  
Ethyl Benzene  
Concen: 42.544 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 529074  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.5 38.3

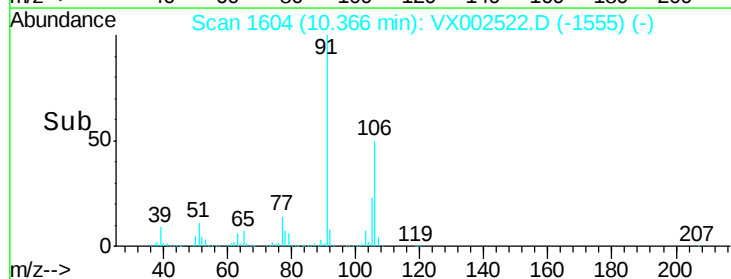
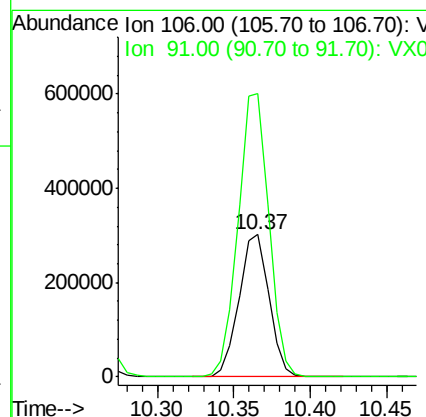
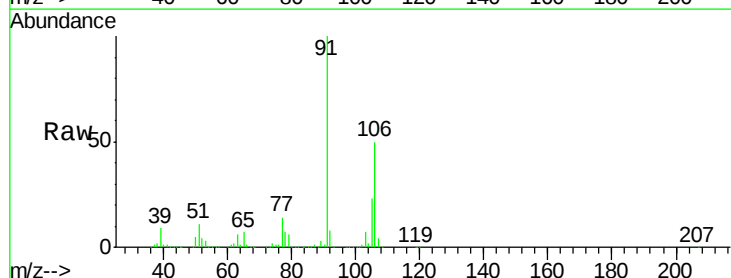
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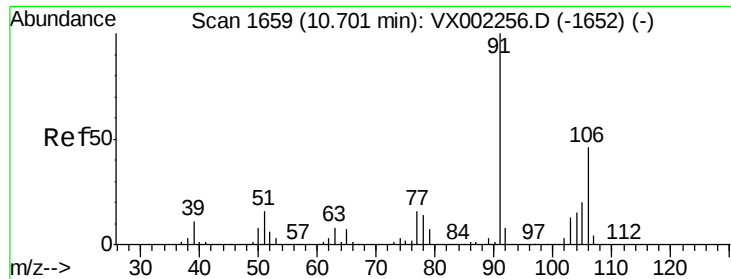
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 85.193 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Tgt Ion: 106 Resp: 411838  
Ion Ratio Lower Upper  
106 100  
91 203.3 163.4 245.2





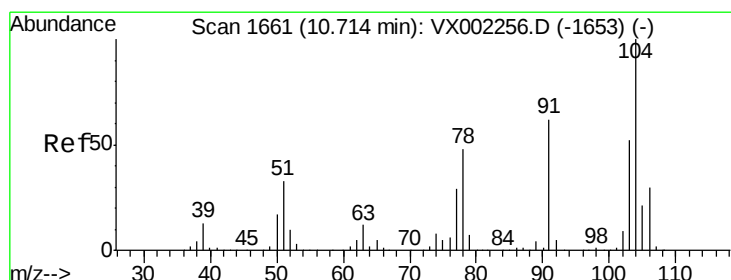
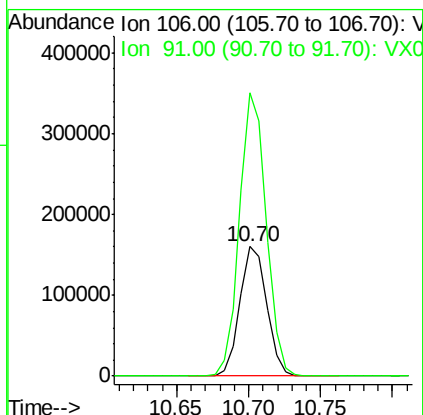
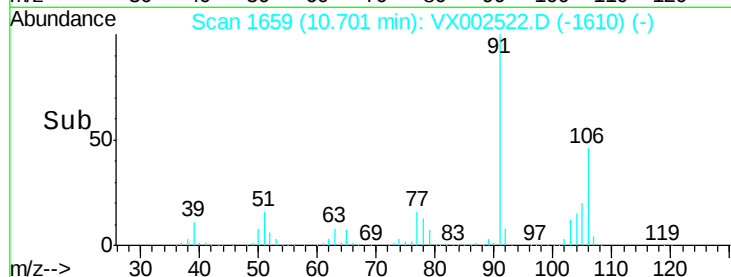
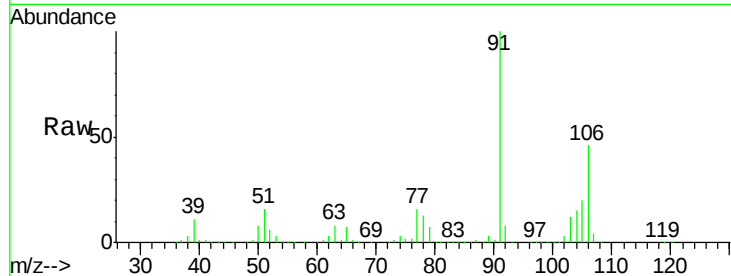
#69  
o-Xylene  
Concen: 43.356 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 217.0 | 108.2 | 324.6 |       |

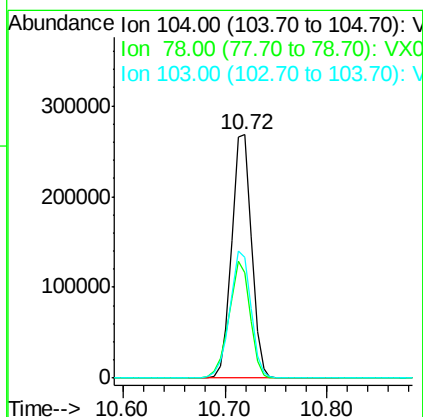
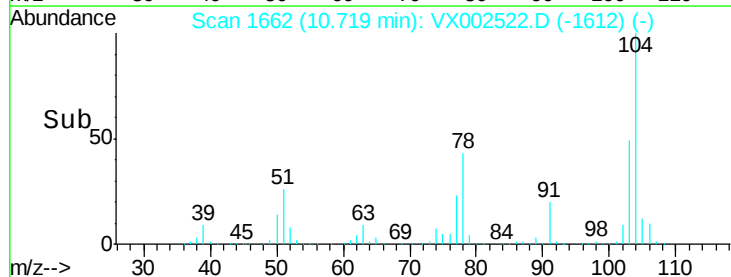
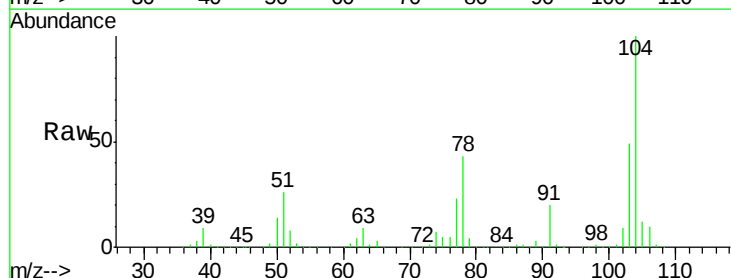
Manual Integrations  
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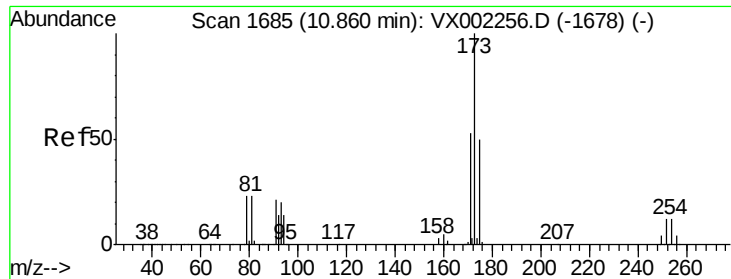
MMDadoda  
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#70  
Styrene  
Concen: 45.624 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. 0.01 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 50.7 | 41.0  | 61.6  |       |
| 103     | 55.4 | 44.2  | 66.4  |       |





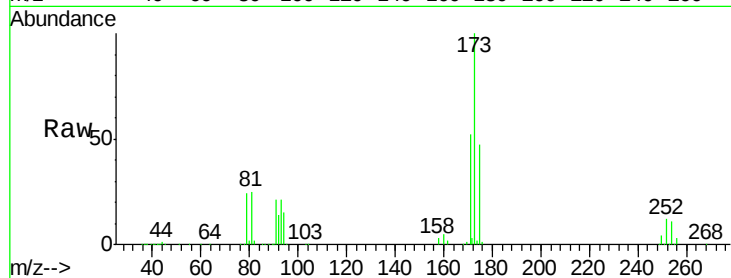
#71  
Bromoform  
Concen: 40.480 ug/l  
RT: 10.86 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

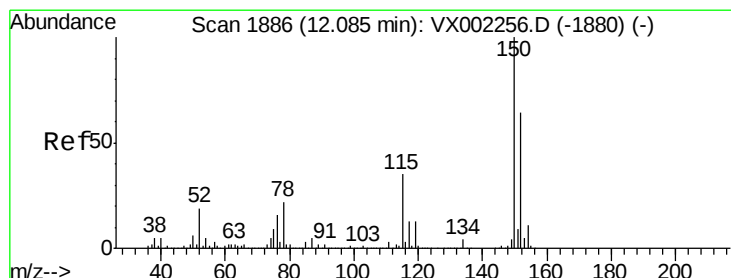
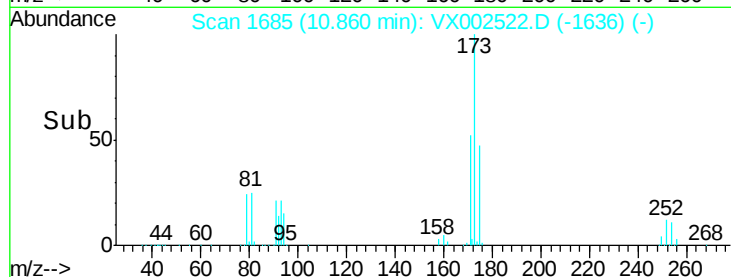
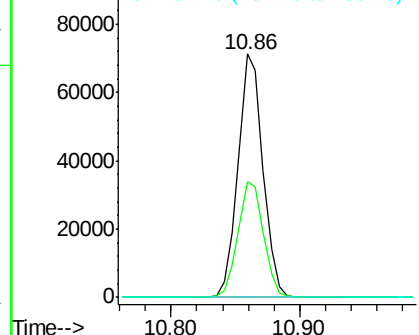
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.7  | 74.1  |
| 254     | 0.2   | 0.2   | 0.2   |

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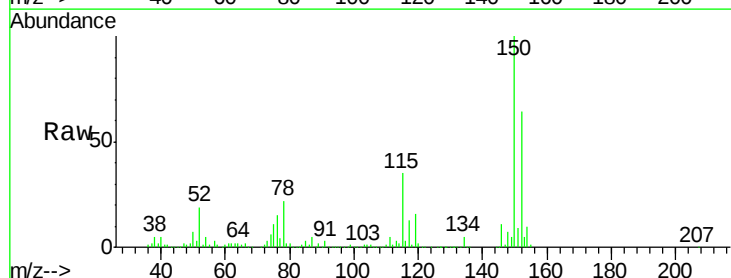


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

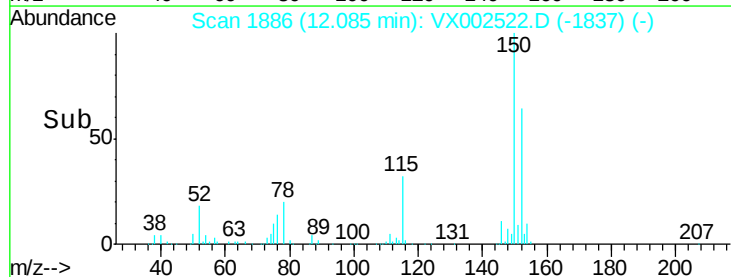
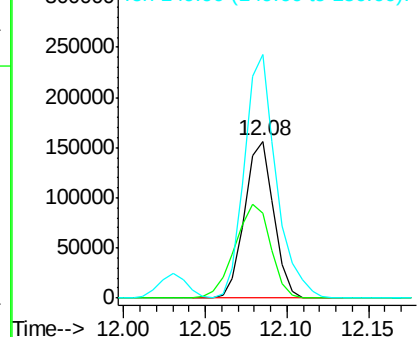


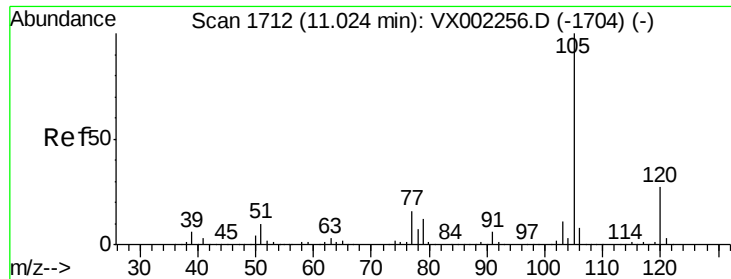
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 73.5  | 40.1  | 120.2 |
| 150     | 170.1 | 0.0   | 347.2 |



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: 39.751 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 536901

Ion Ratio Lower Upper

105 100

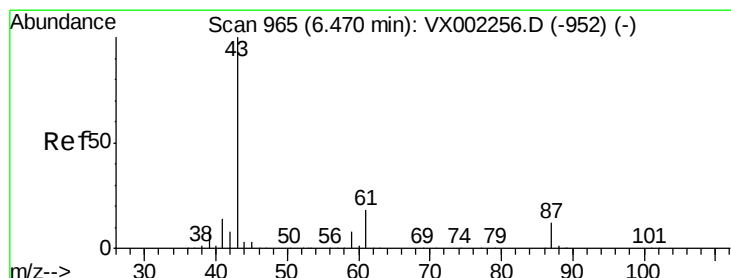
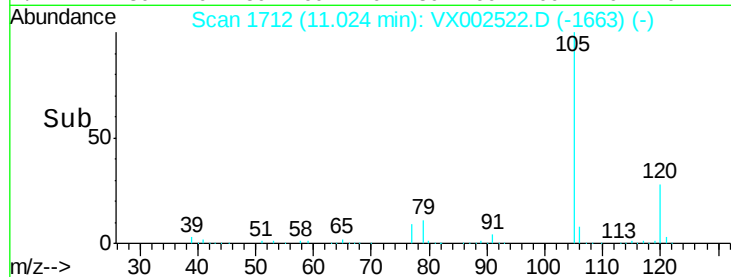
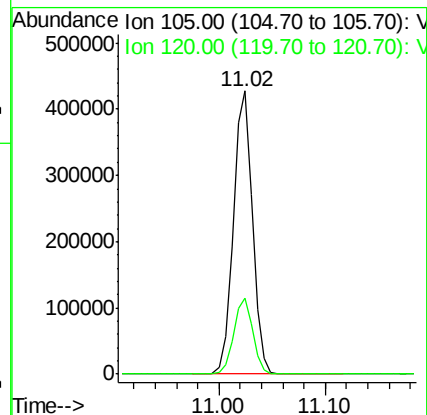
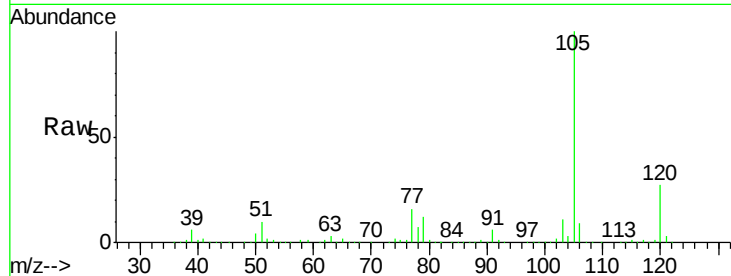
120 26.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 40.491 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Tgt Ion: 43 Resp: 294679

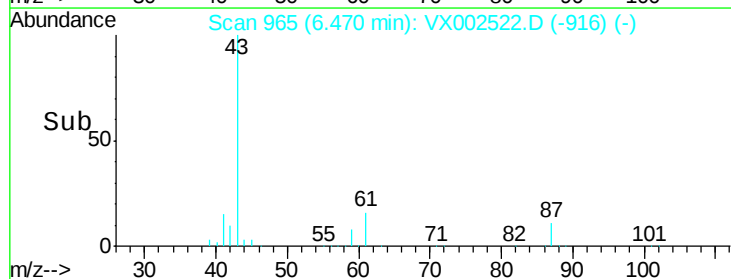
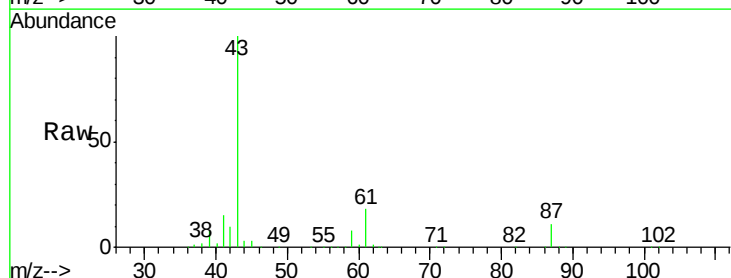
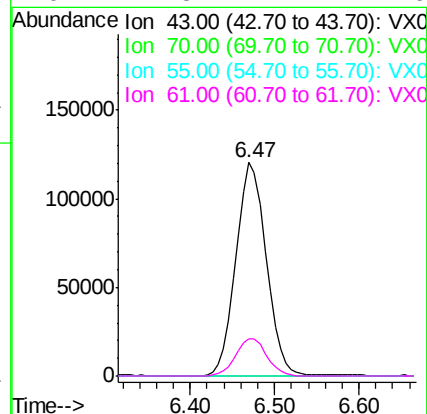
Ion Ratio Lower Upper

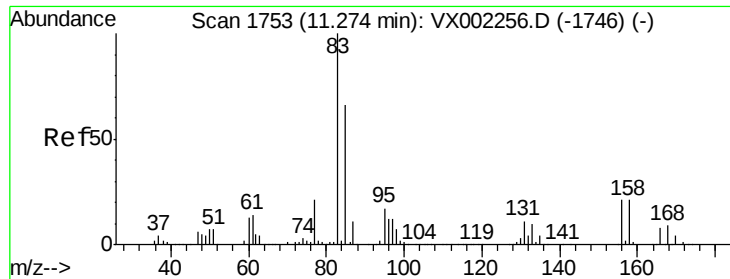
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.8 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.960 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

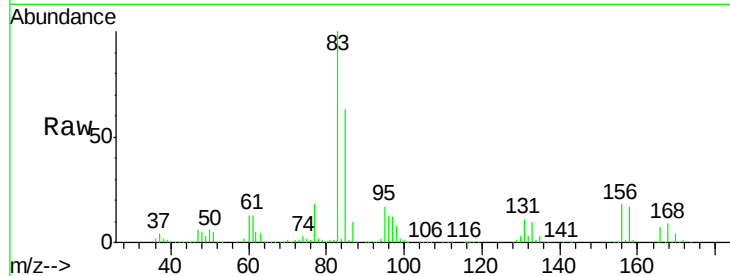
ClientSampleId :

VSTDCCC050EC

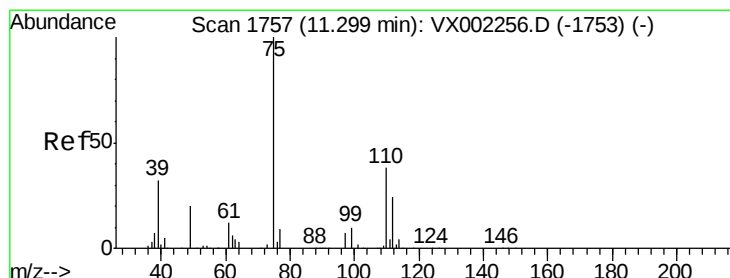
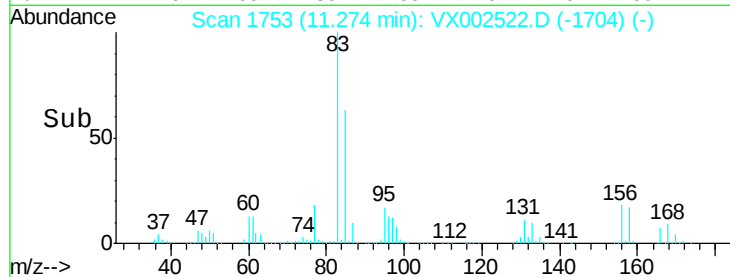
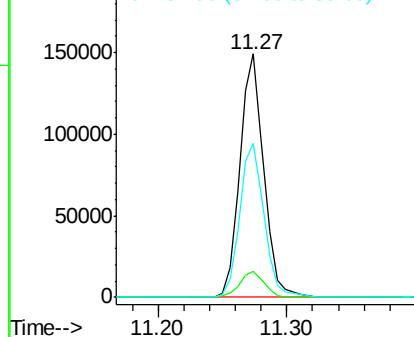
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 190989 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.8  | 5.6   | 16.8   |
| 85        | 64.6  | 32.4  | 97.2   |

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Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 44.707 ug/l m

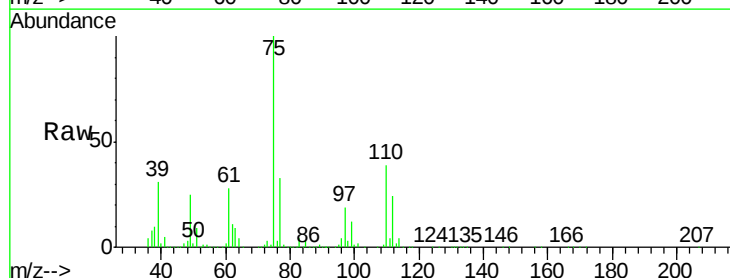
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

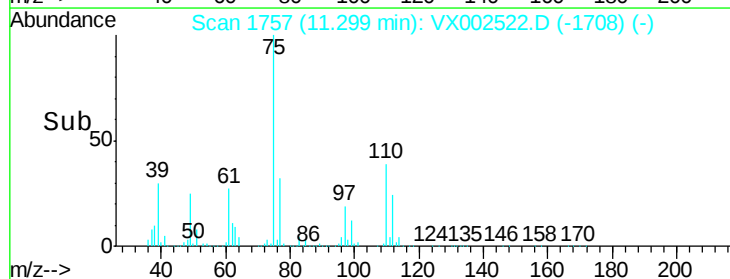
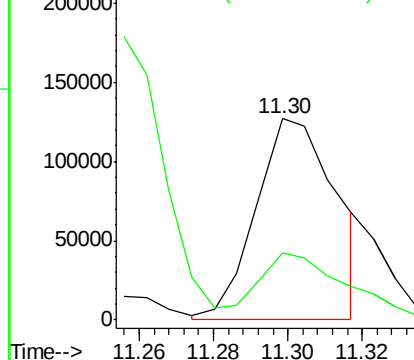
Lab File: VX002522.D

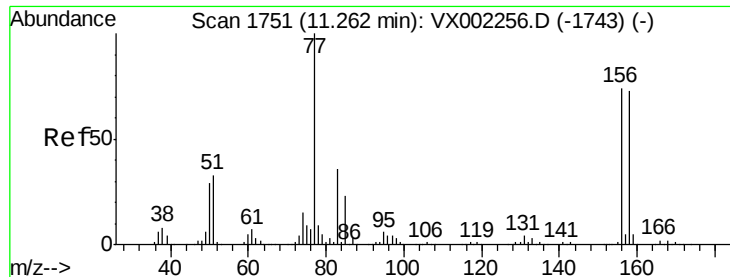
Acq: 13 Jun 2018 21:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 190465 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 37.0  | 22.8  | 68.3   |



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 42.379 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

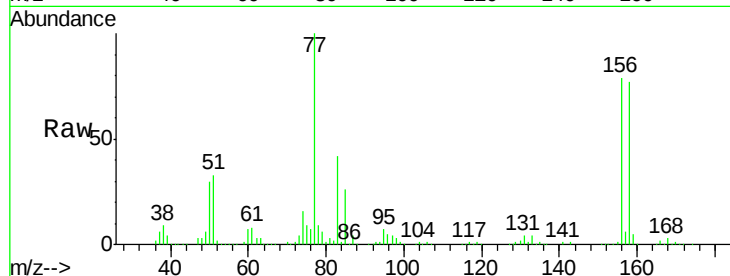
ClientSampleId :

VSTDCCC050EC

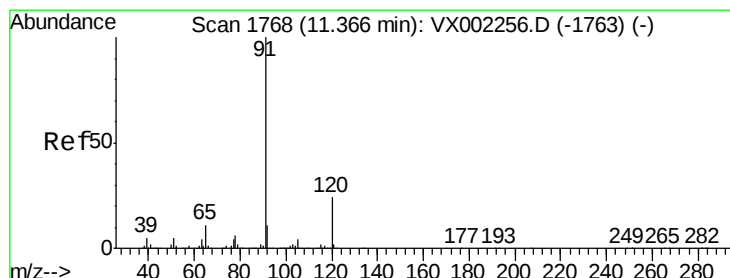
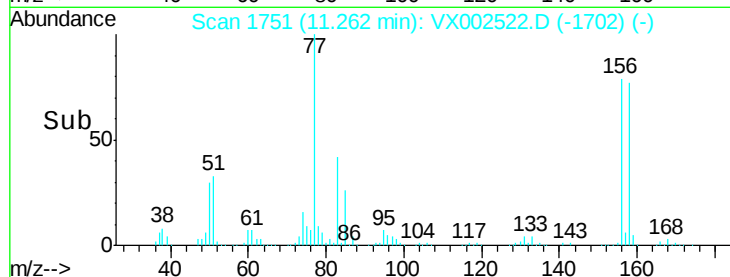
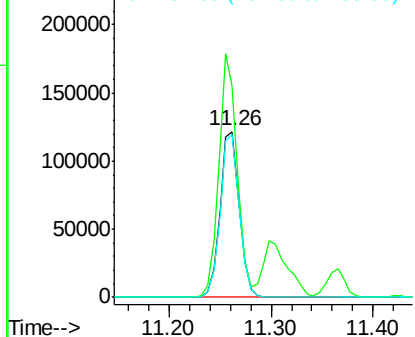
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 160694 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 140.3 | 71.4  | 214.2  |
| 158       | 97.4  | 48.9  | 146.6  |

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



#78

n-propylbenzene

Concen: 40.638 ug/l

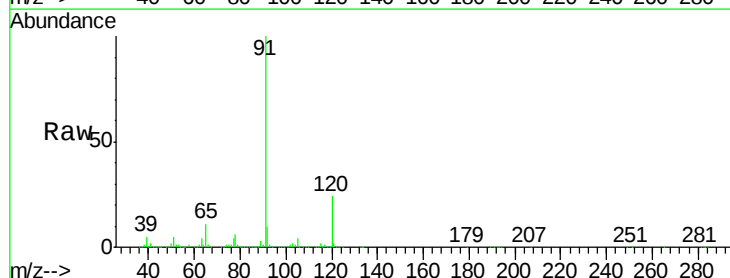
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

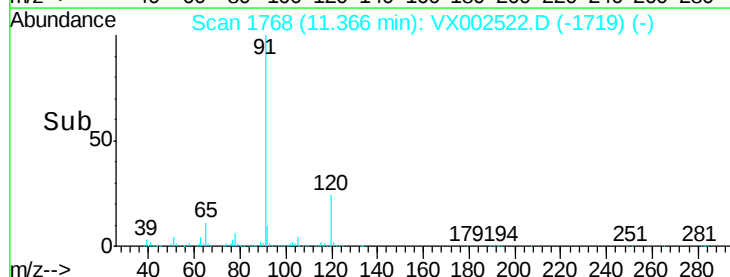
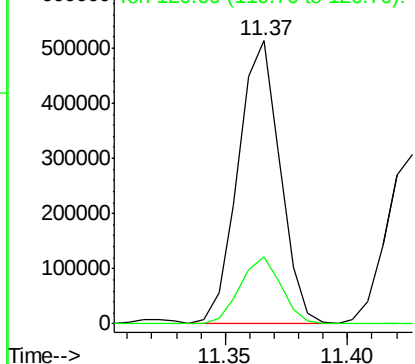
Lab File: VX002522.D

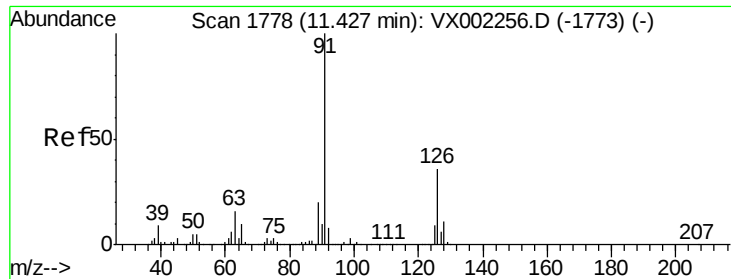
Acq: 13 Jun 2018 21:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 610061 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.4  | 11.8  | 35.4   |



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





#79

2-Chlorotoluene

Concen: 40.334 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 382328

Ion Ratio Lower Upper

91 100

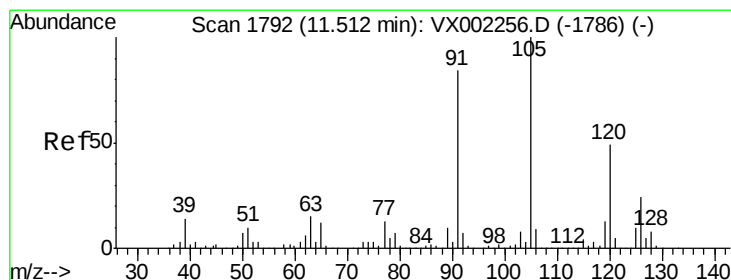
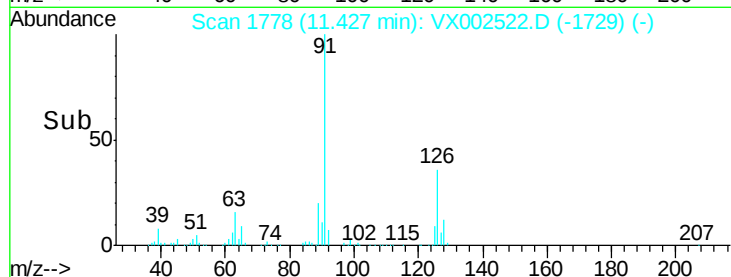
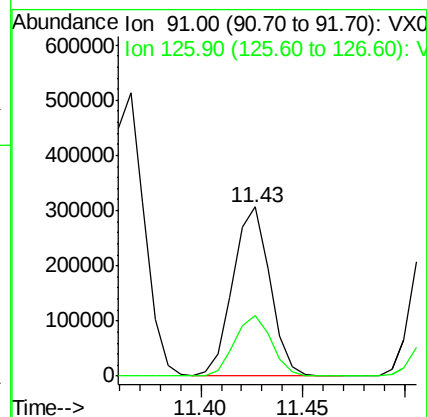
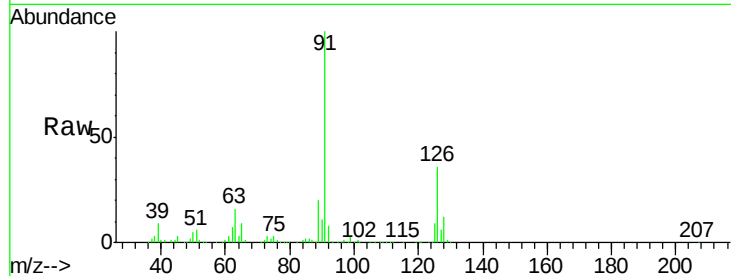
126 35.9 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 40.106 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002522.D

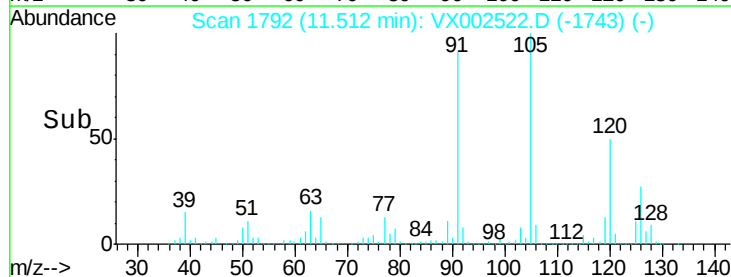
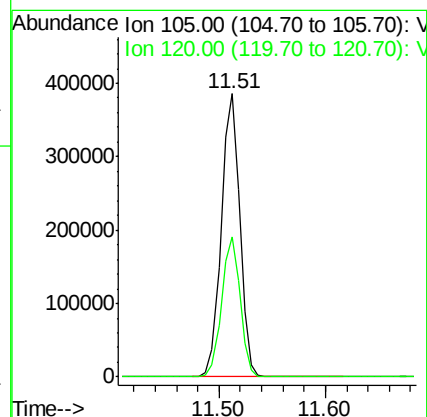
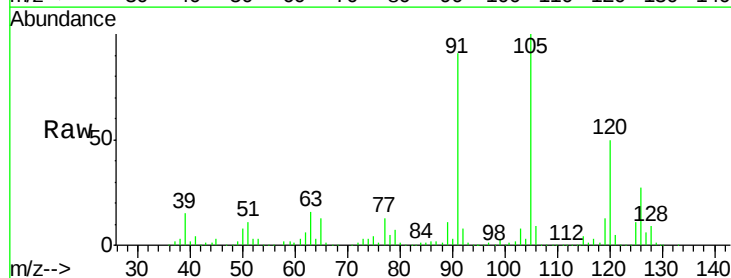
Acq: 13 Jun 2018 21:22

Tgt Ion: 105 Resp: 464622

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.4





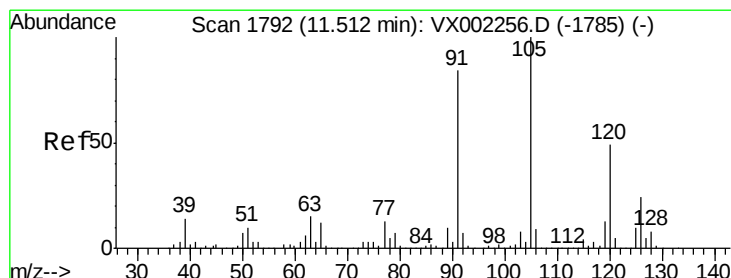
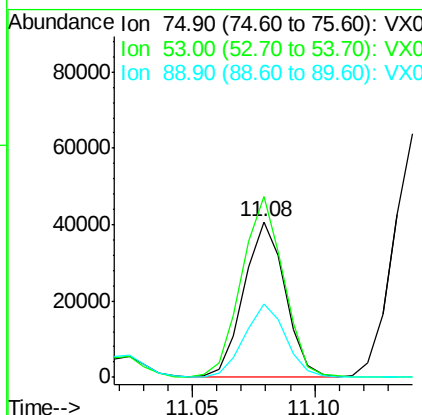
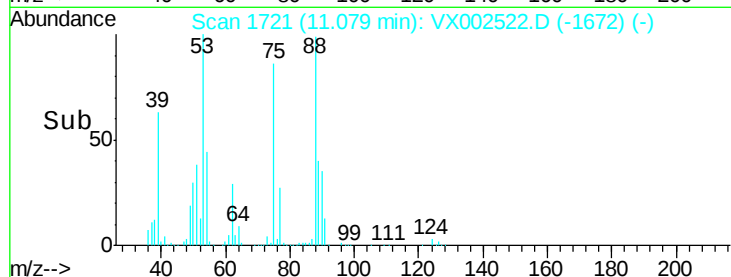
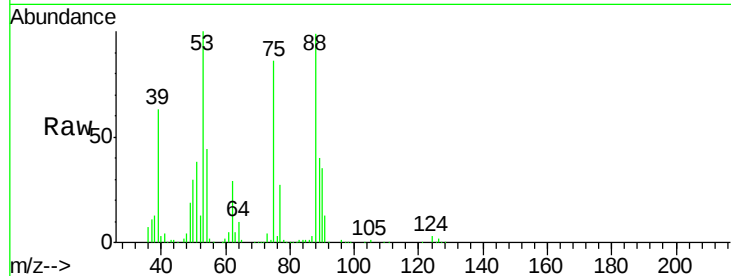
#81  
trans-1,4-Dichloro-2-butene  
Concen: 39.283 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 117.8 | 86.8  | 130.2 |
| 89      | 47.6  | 38.2  | 57.2  |

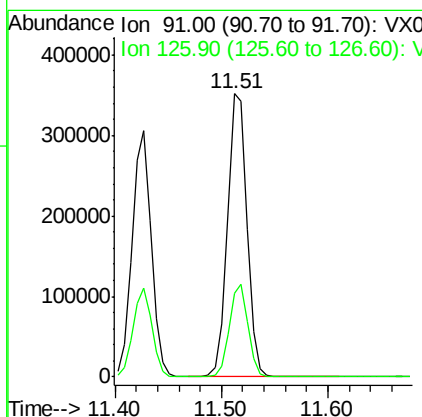
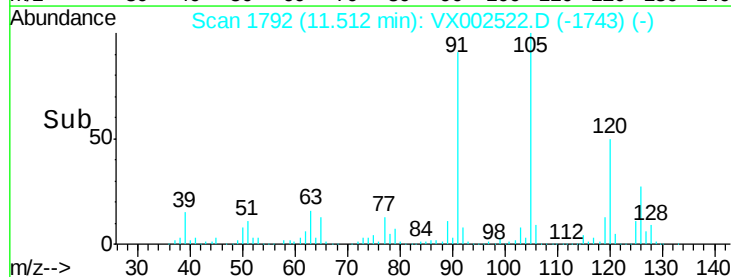
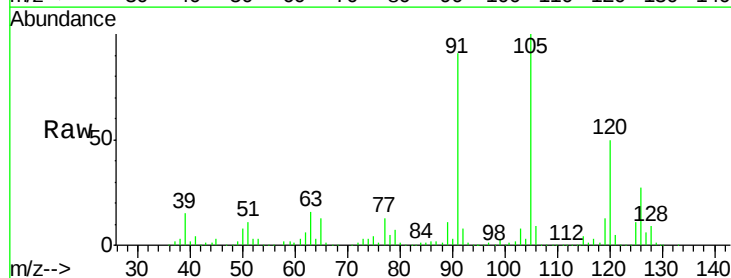
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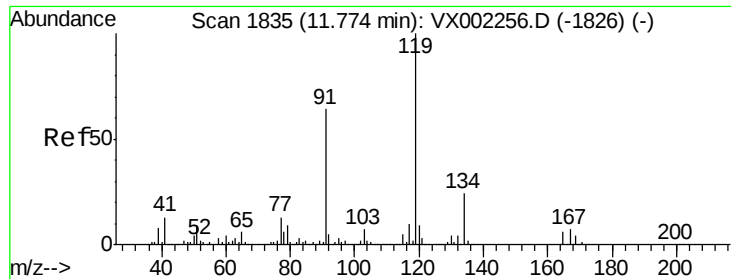
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#82  
4-Chlorotoluene  
Concen: 41.378 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.2  | 15.4  | 46.4  |





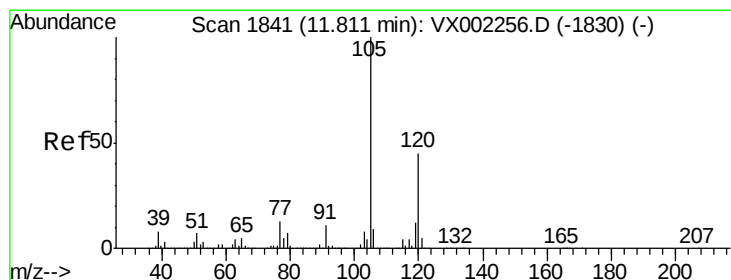
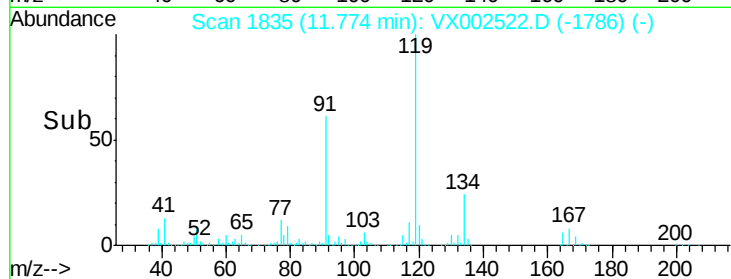
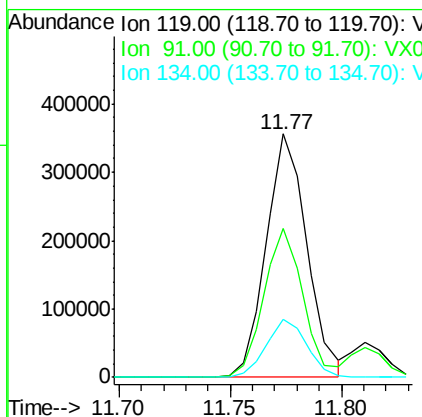
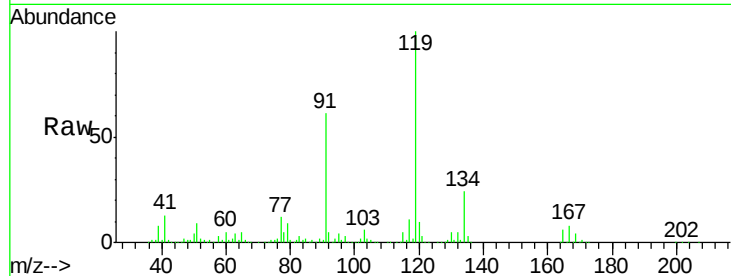
#83  
 tert-Butylbenzene  
 Concen: 40.036 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 59.0  | 30.3  | 90.9  |
| 134     | 23.6  | 11.7  | 35.1  |

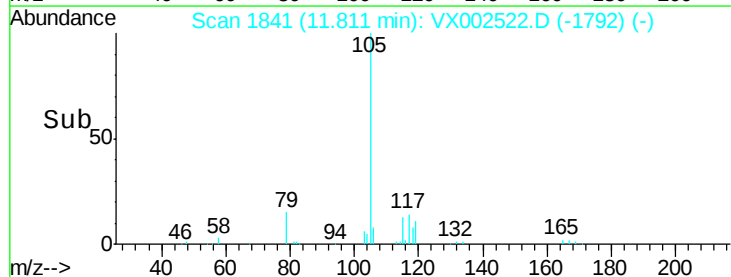
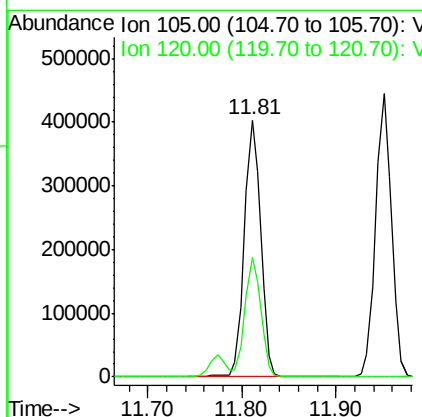
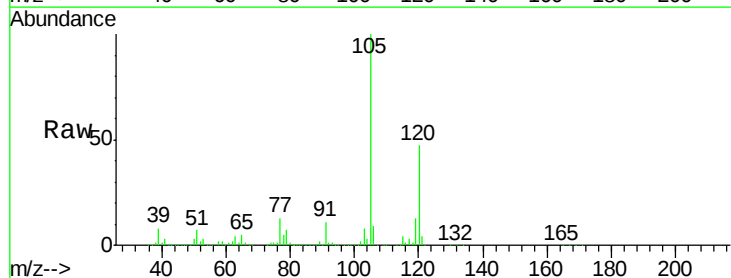
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 41.196 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.5  | 22.3  | 66.8  |





#85

sec-Butylbenzene

Concen: 39.450 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 521739

Ion Ratio Lower Upper

105 100

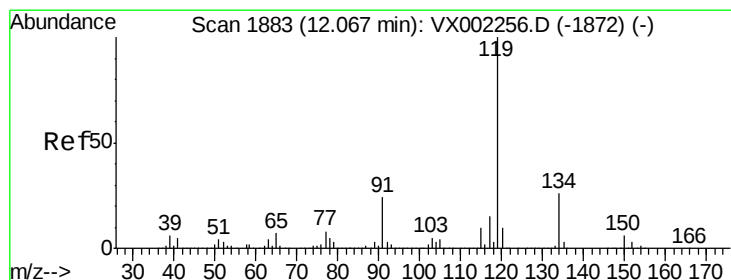
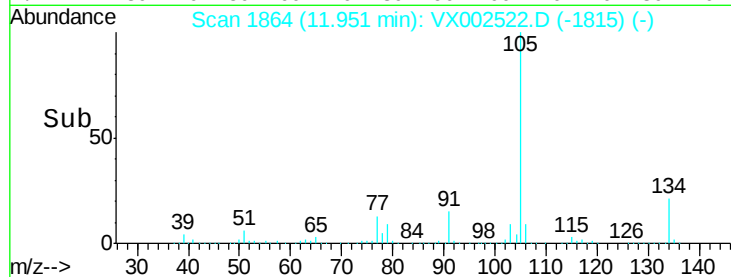
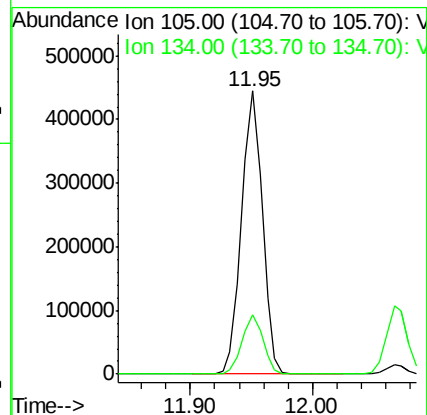
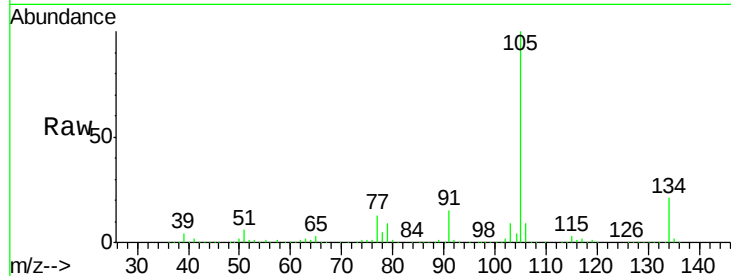
134 21.1 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 40.374 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002522.D

Acq: 13 Jun 2018 21:22

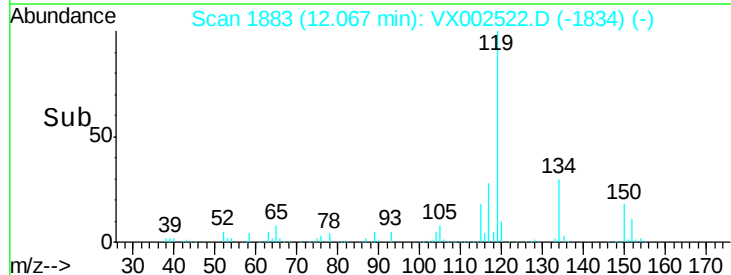
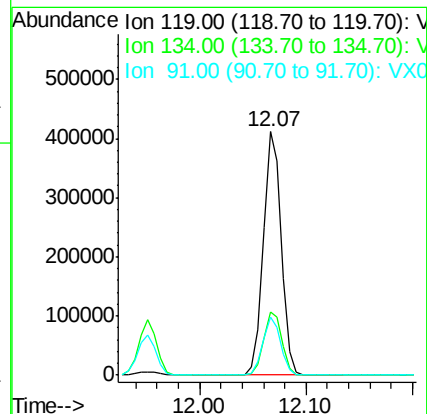
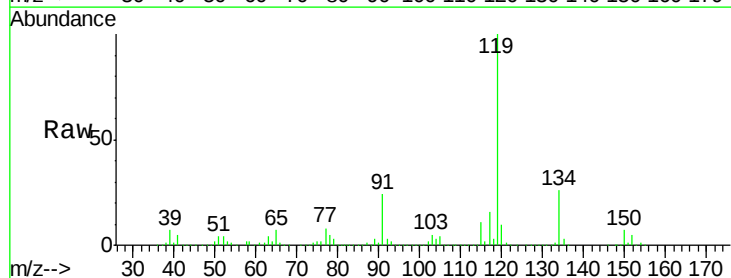
Tgt Ion:119 Resp: 486365

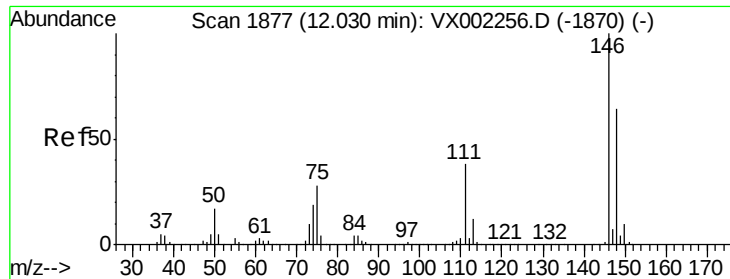
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 23.6 11.9 35.7





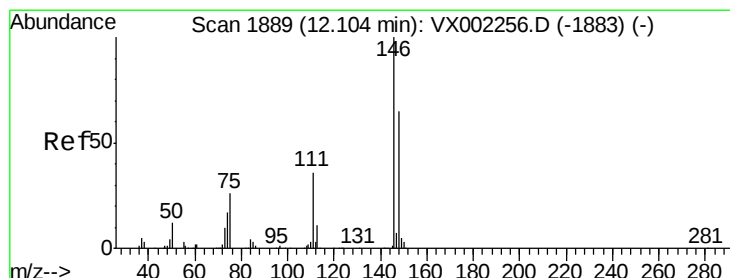
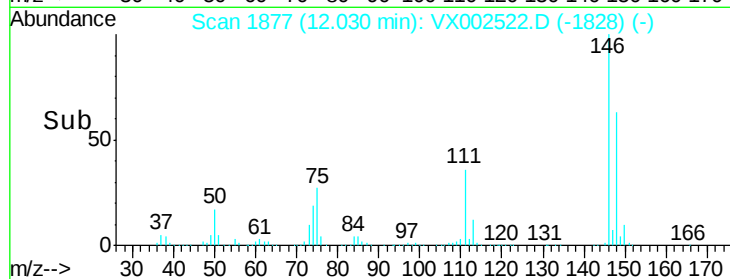
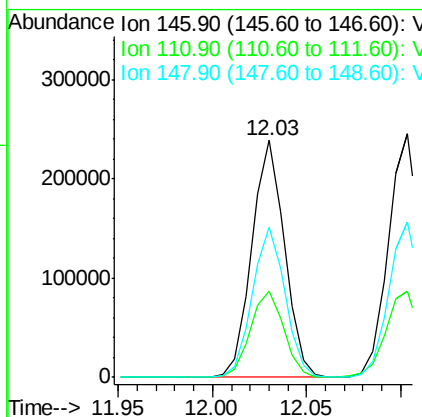
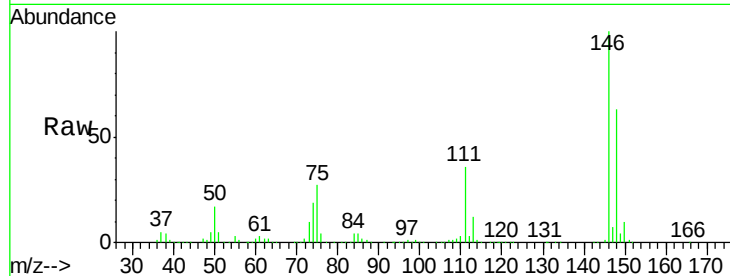
#87  
 1,3-Dichlorobenzene  
 Concen: 42.338 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 18.9  | 56.7  |
| 148     | 63.3  | 32.1  | 96.3  |

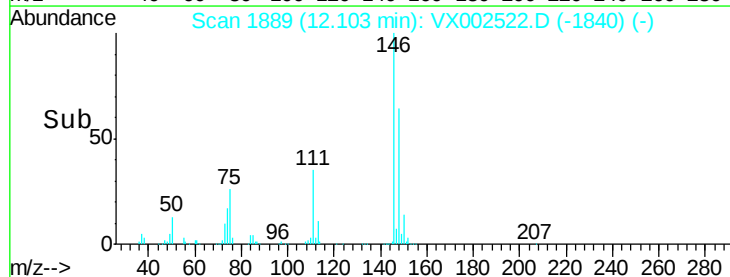
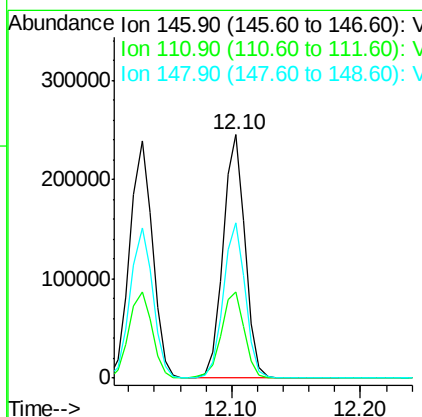
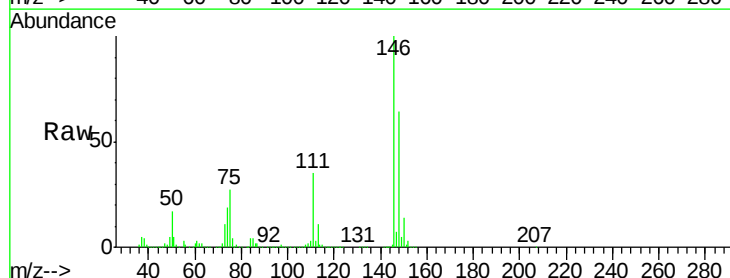
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#88  
 1,4-Dichlorobenzene  
 Concen: 42.187 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.7  | 56.1  |
| 148     | 63.7  | 32.4  | 97.0  |





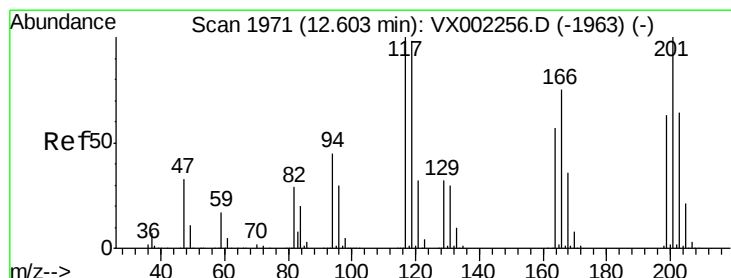
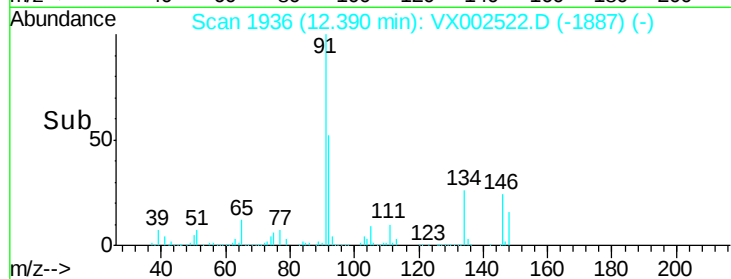
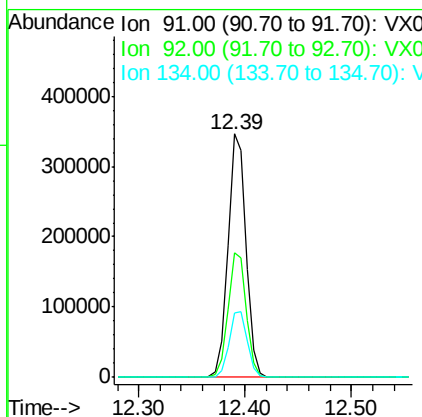
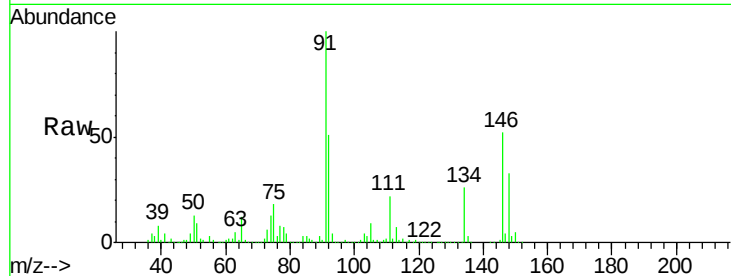
#89  
n-Butylbenzene  
Concen: 40.505 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.0  | 26.0  | 78.0  |
| 134     | 27.3  | 13.5  | 40.5  |

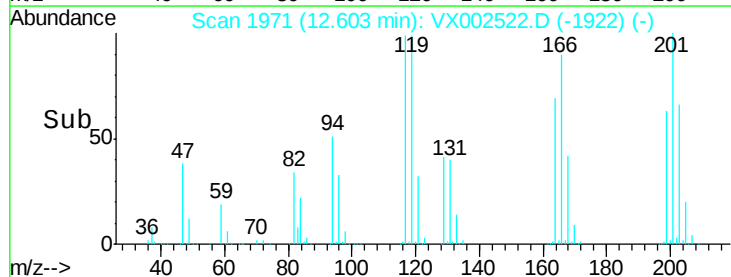
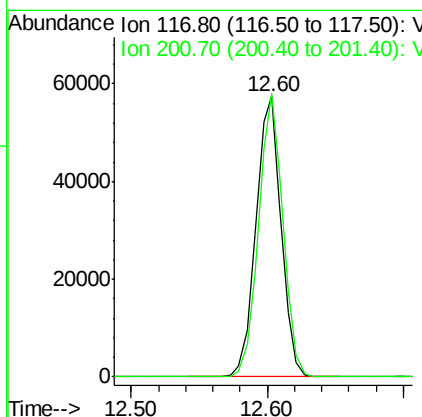
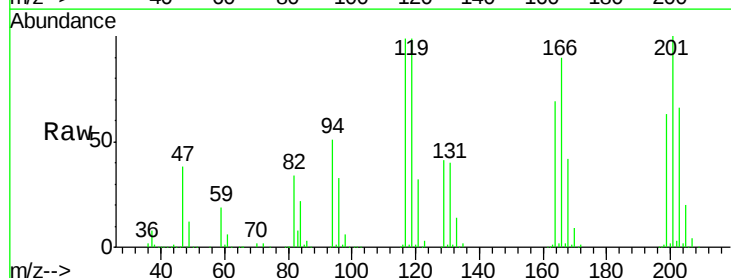
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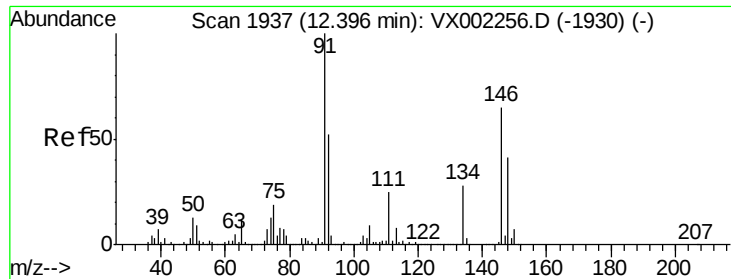
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#90  
Hexachloroethane  
Concen: 38.639 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 97.8  | 49.0  | 147.0 |





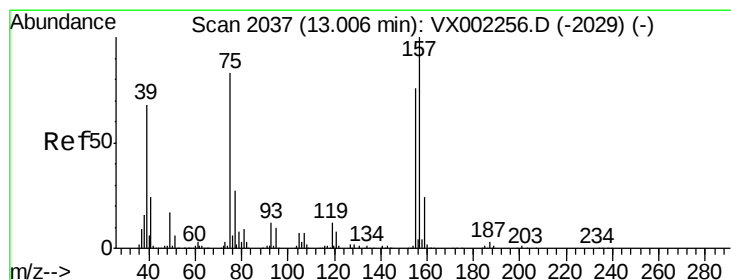
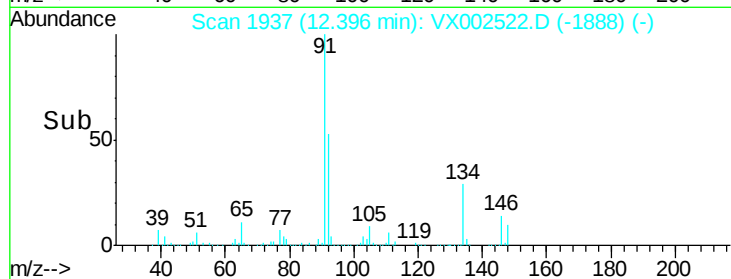
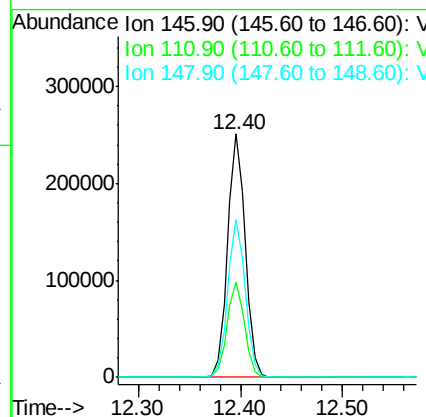
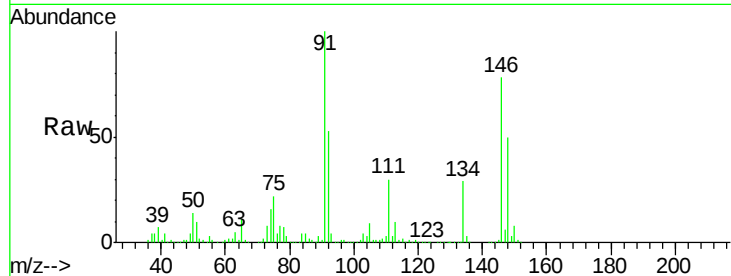
#91  
 1,2-Dichlorobenzene  
 Concen: 43.039 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.4  | 58.1  |
| 148     | 64.4  | 31.7  | 95.1  |

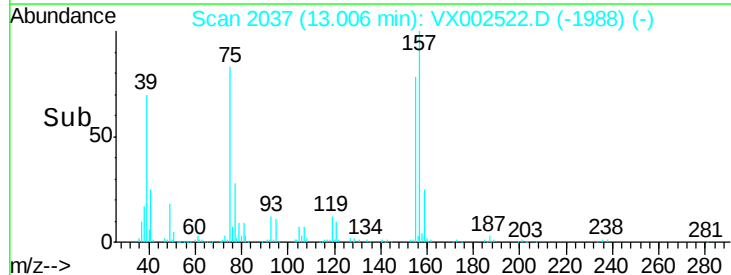
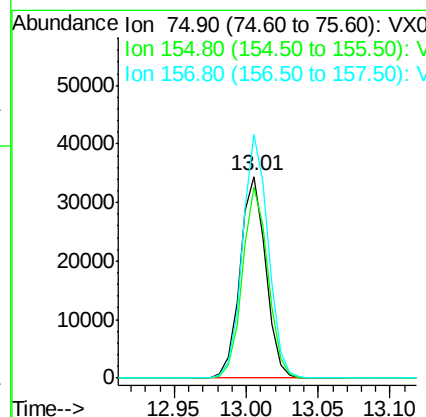
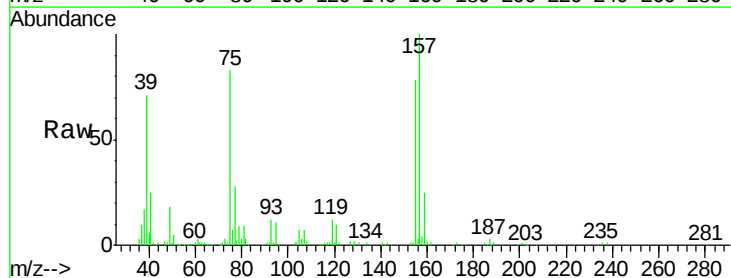
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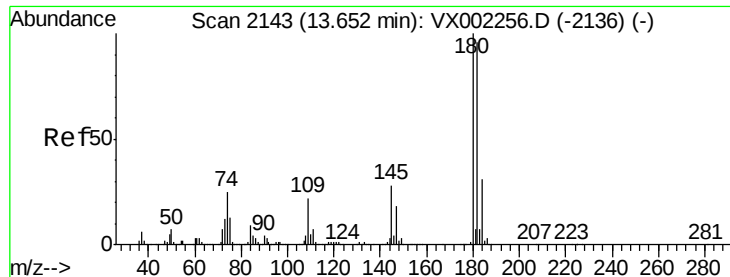
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.019 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.7  | 45.8  | 137.4 |
| 157     | 120.1 | 60.1  | 180.3 |





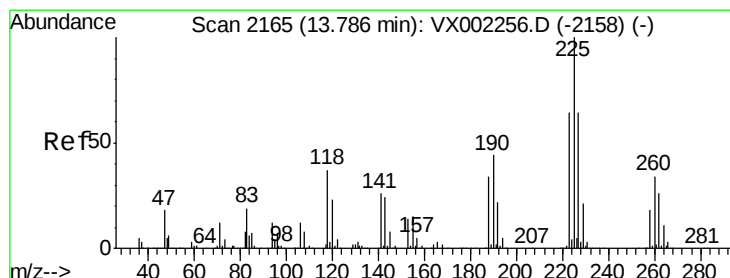
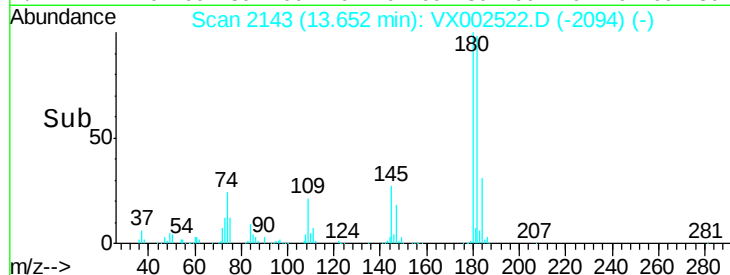
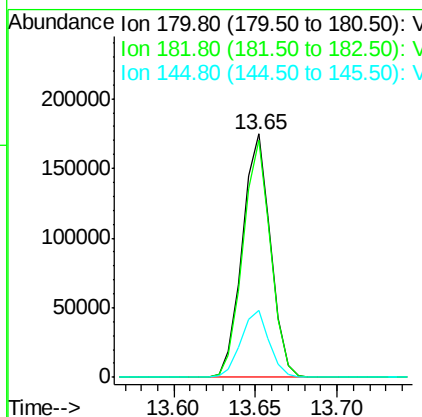
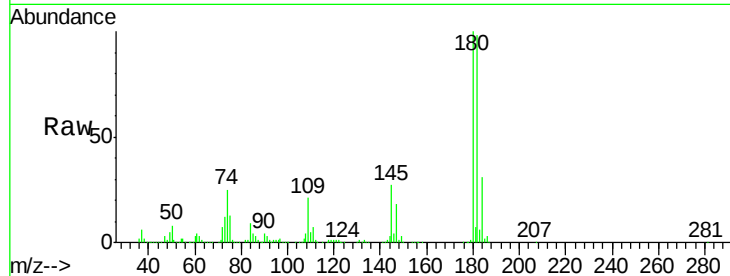
#93  
 1,2,4-Trichlorobenzene  
 Concen: 42.811 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 210573 |       |       |
| 182     | 95.8  | 47.7   | 143.1 |       |
| 145     | 27.7  | 14.1   | 42.4  |       |

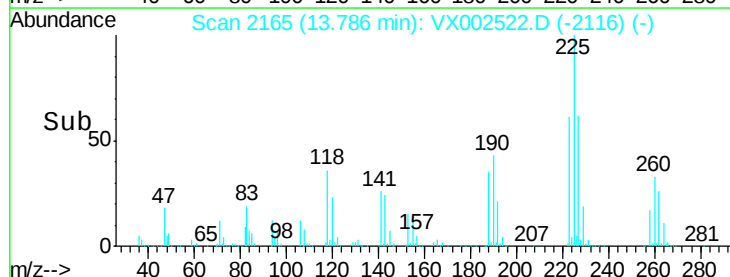
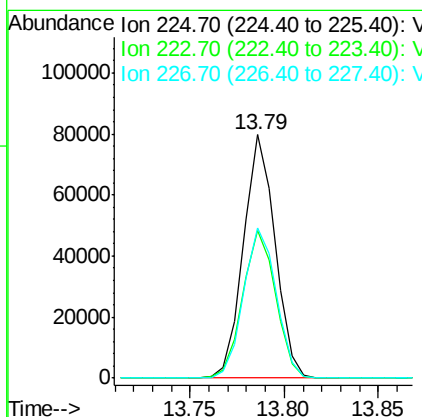
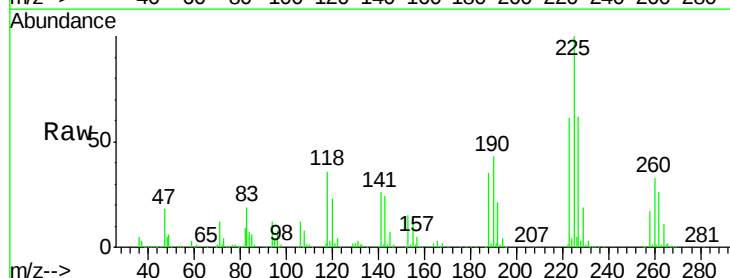
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#94  
 Hexachlorobutadiene  
 Concen: 38.175 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: VX002522.D  
 Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 92787 |       |       |
| 223     | 62.9  | 31.6  | 95.0  |       |
| 227     | 64.1  | 32.4  | 97.2  |       |





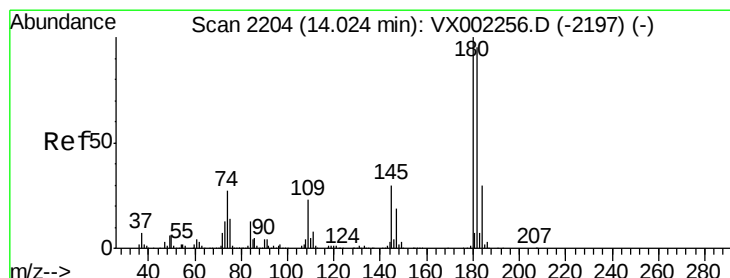
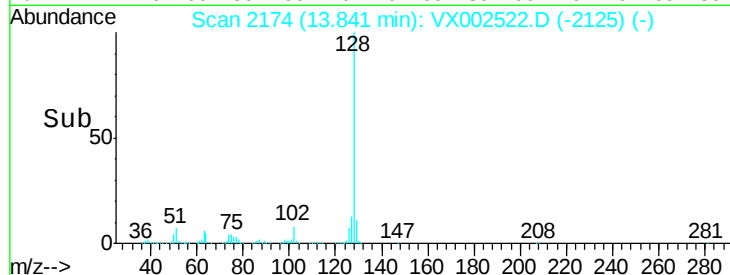
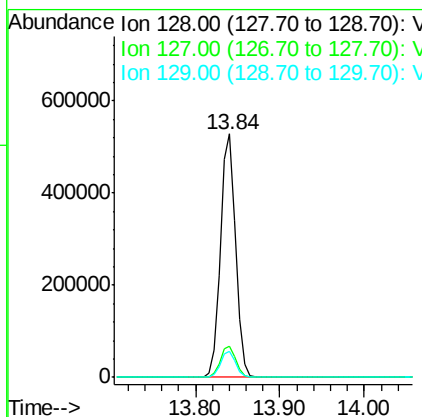
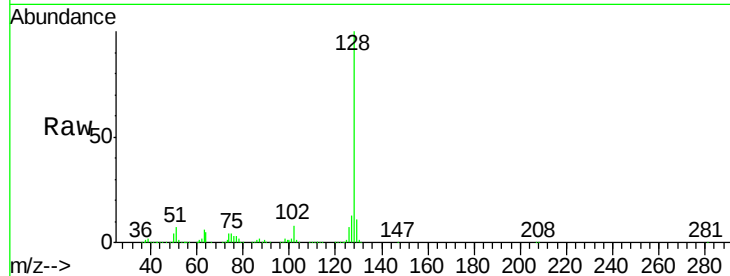
#95  
Naphthalene  
Concen: 46.379 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.4  | 15.6  |
| 129     | 10.8  | 8.6   | 13.0  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 44.110 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. -0.00 min  
Lab File: VX002522.D  
Acq: 13 Jun 2018 21:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 48.0  | 144.0 |
| 145     | 29.7  | 14.8  | 44.3  |

