

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110618\  
 Data File : VX005810.D  
 Acq On : 06 Nov 2018 15:45  
 Operator : JC/MD  
 Sample : PB114531ZHE#05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114531ZHE#05

Quant Time: Nov 07 09:04:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 18:23:06 2018  
 Response via : Initial Calibration

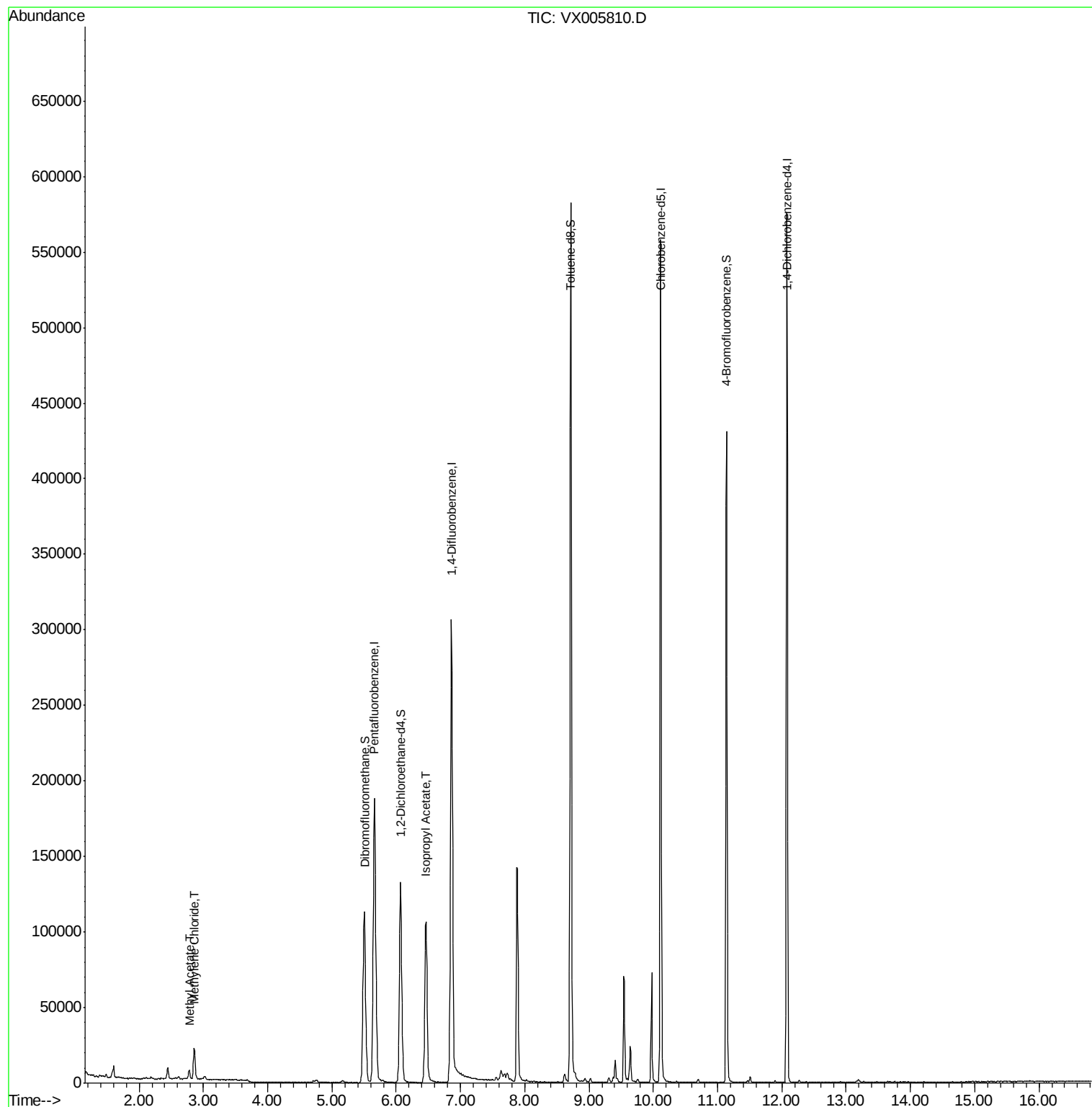
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 177304   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 294283   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 247578   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 108901   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 126897   | 48.95  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.90% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 97887    | 48.04  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.08% |          |
| 50) Toluene-d8              | 8.71  | 98   | 349157   | 48.86  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.72% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 111512   | 42.28  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.56% |          |
| Target Compounds            |       |      |          |        |        |          |
| 18) Methyl Acetate          | 2.78  | 43   | 7283     | 1.958  | ug/l   | 93       |
| 20) Methylene Chloride      | 2.85  | 84   | 9166     | 4.100  | ug/l   | 96       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 142895   | 24.613 | ug/l   | 96       |

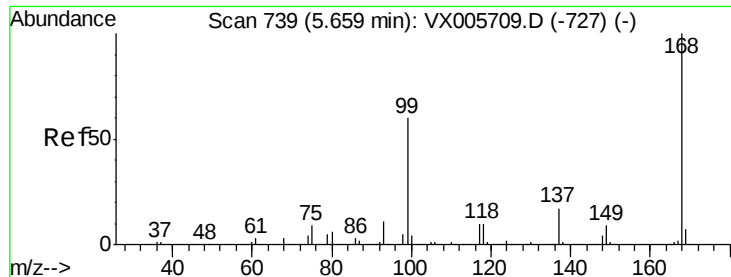
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110618\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 18:23:06 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005810.D

Acq: 06 Nov 2018 15:45

Instrument :

MSVOA\_X

ClientSampleId :

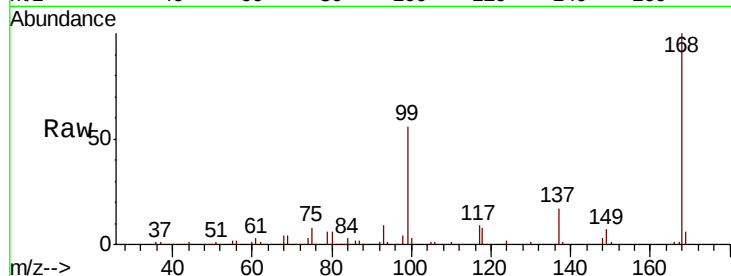
PB114531ZHE#05

Tot Ion:168 Resp: 177304

Ion Ratio Lower Upper

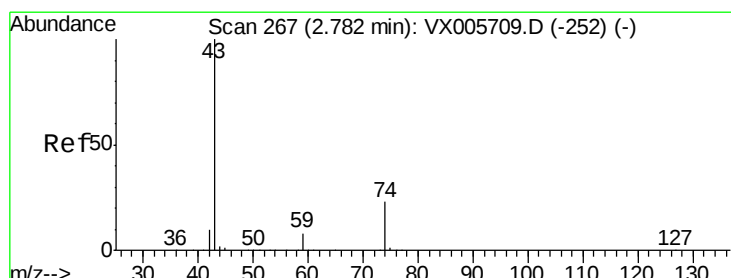
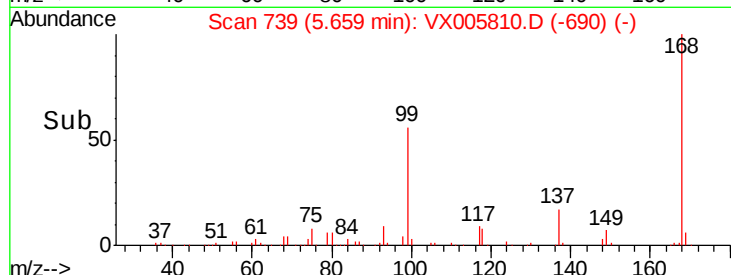
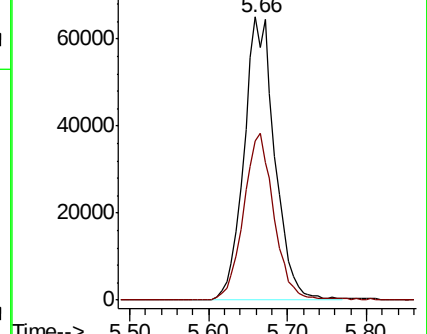
168 100

99 56.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#18

Methyl Acetate

Concen: 1.958 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005810.D

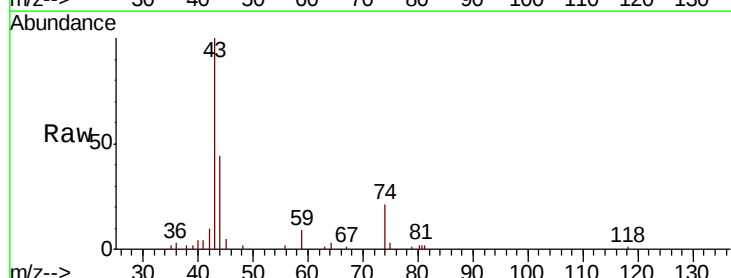
Acq: 06 Nov 2018 15:45

Tgt Ion: 43 Resp: 7283

Ion Ratio Lower Upper

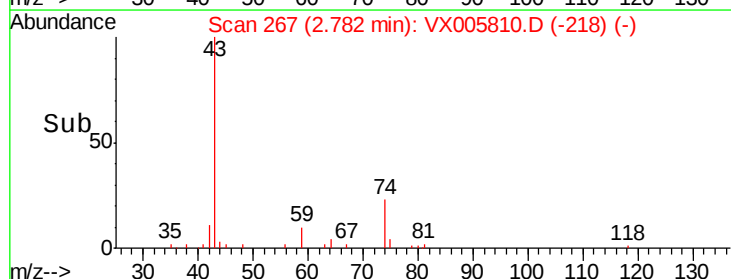
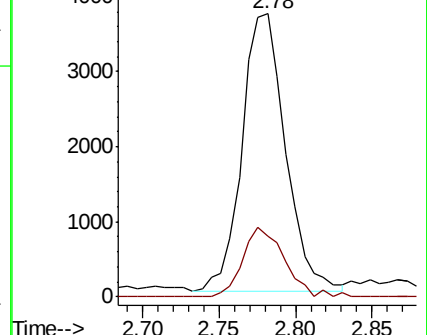
43 100

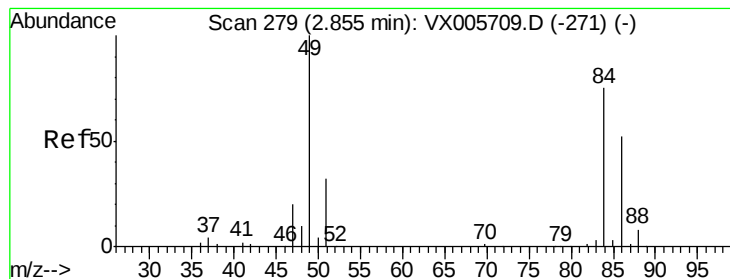
74 24.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 4.100 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX005810.D

Acq: 06 Nov 2018 15:45

Instrument :

MSVOA\_X

ClientSampleId :

PB114531ZHE#05

Tot Ion: 84 Resp: 9166

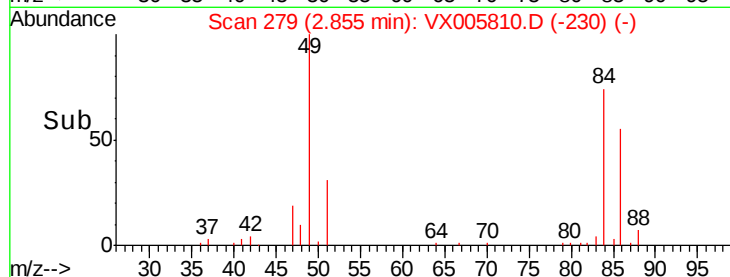
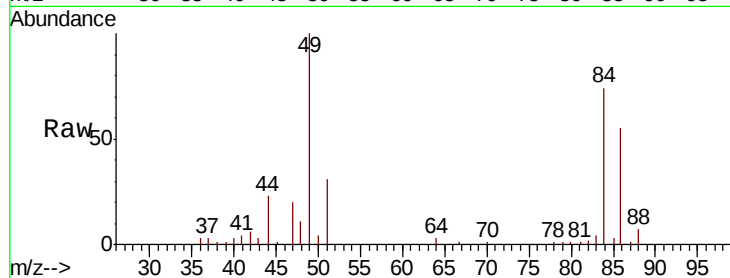
Ion Ratio Lower Upper

84 100

49 135.9 109.5 164.3

51 42.6 33.3 49.9

86 74.2 52.7 79.1

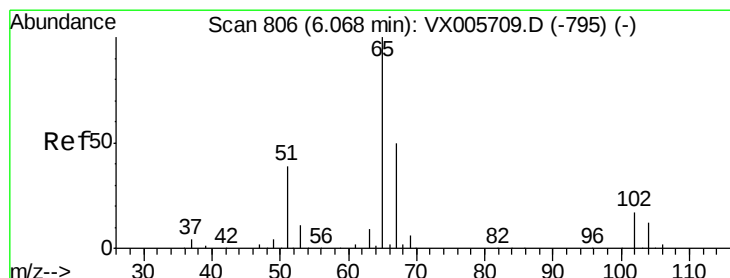
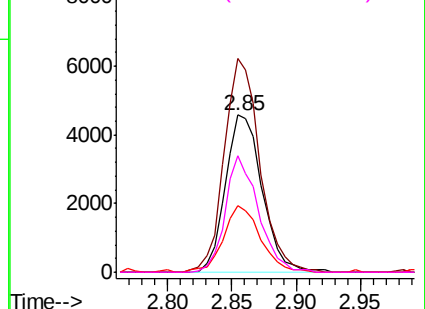


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.953 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005810.D

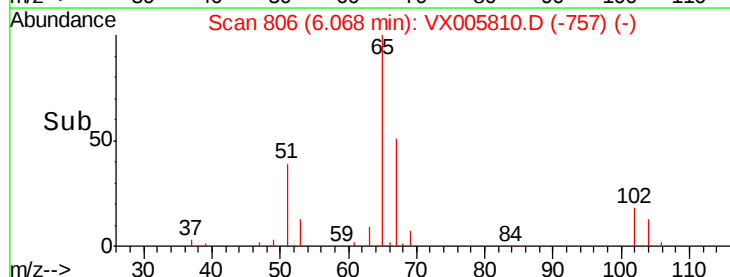
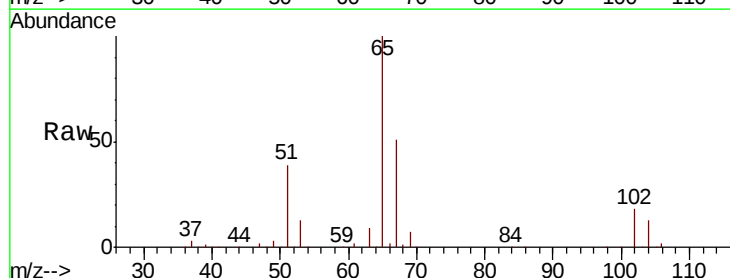
Acq: 06 Nov 2018 15:45

Tgt Ion: 65 Resp: 126897

Ion Ratio Lower Upper

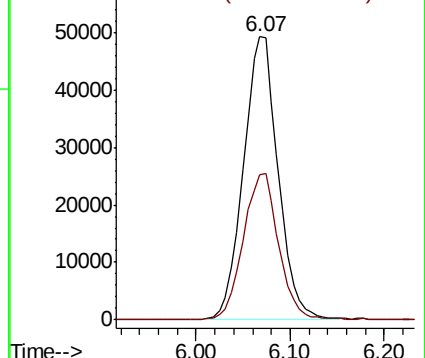
65 100

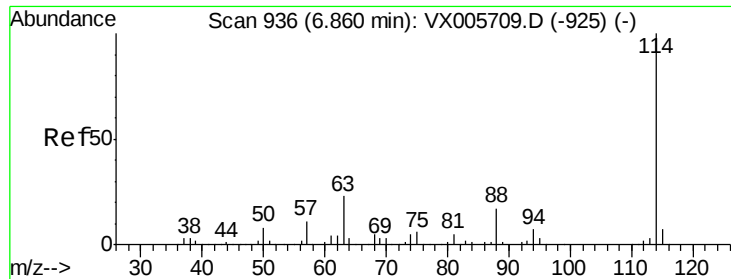
67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

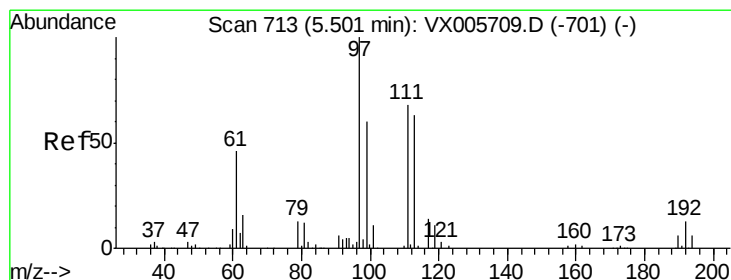
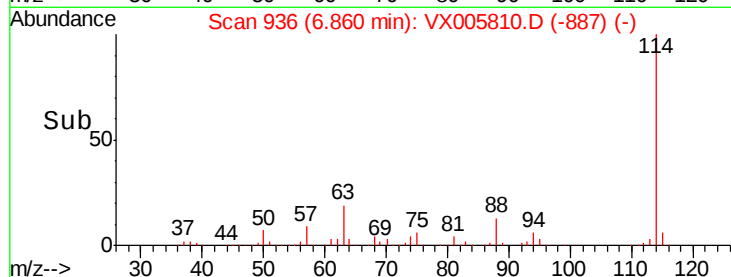
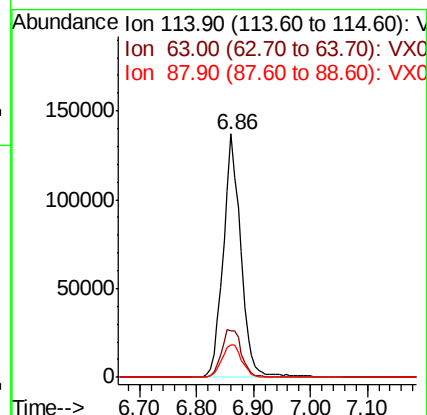
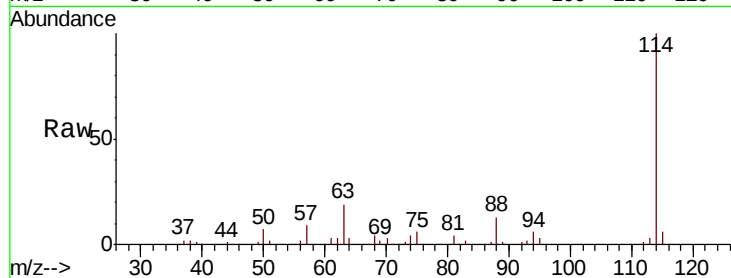




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX005810.D  
 Acq: 06 Nov 2018 15:45

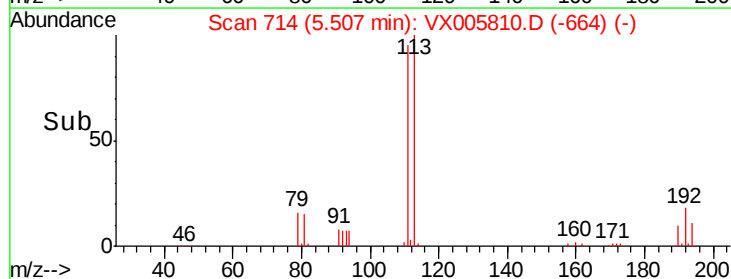
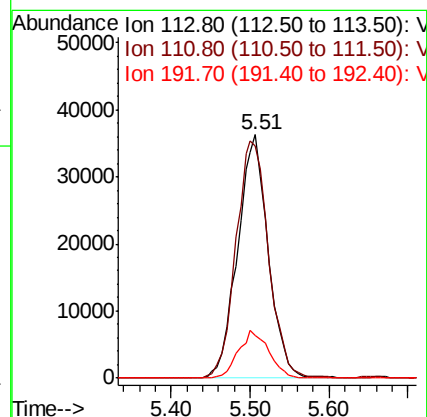
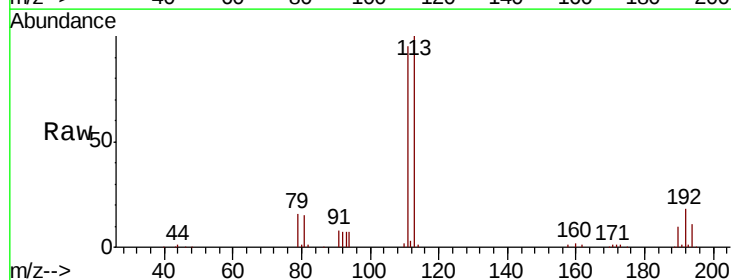
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114531ZHE#05

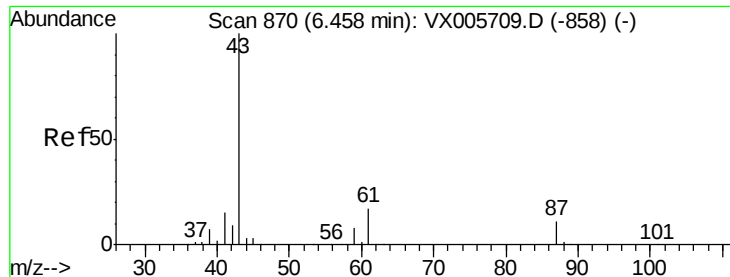
Tot Ion:114 Resp: 294283  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 42.8  
 88 13.3 0.0 31.2



#35  
 Dibromofluoromethane  
 Concen: 48.039 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.01 min  
 Lab File: VX005810.D  
 Acq: 06 Nov 2018 15:45

Tgt Ion:113 Resp: 97887  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 82.3 123.5  
 192 19.5 17.9 26.9



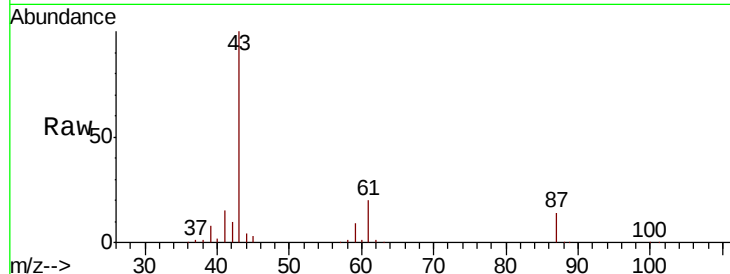


#43

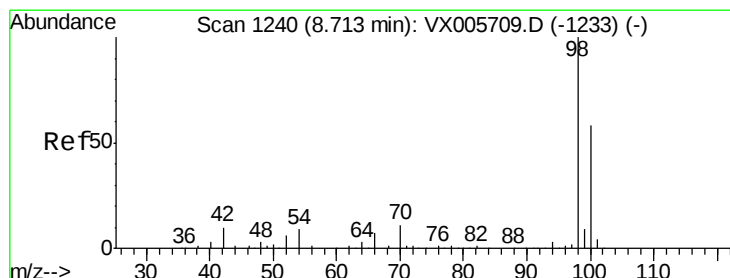
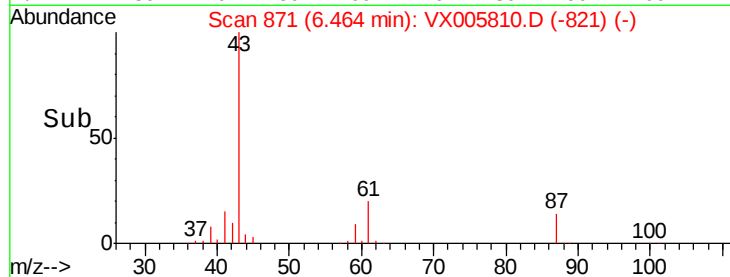
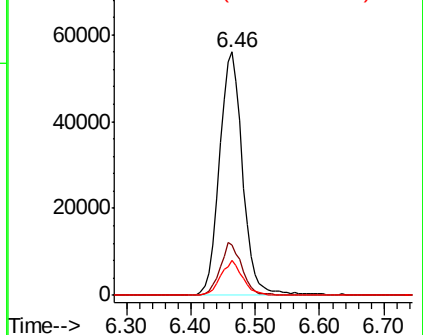
Isopropyl Acetate  
 Concen: 24.613 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. 0.01 min  
 Lab File: VX005810.D  
 Acq: 06 Nov 2018 15:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114531ZHE#05

Tot Ion: 43 Resp: 142895  
 Ion Ratio Lower Upper  
 43 100  
 61 20.1 14.6 22.0  
 87 13.4 9.6 14.4



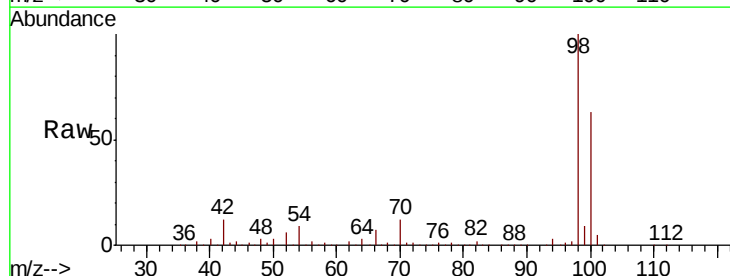
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



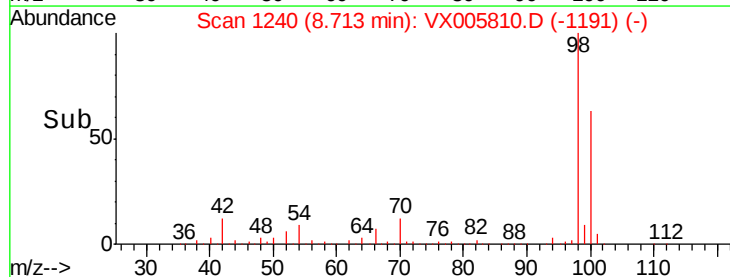
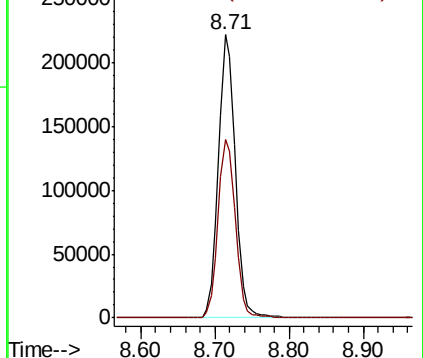
#50

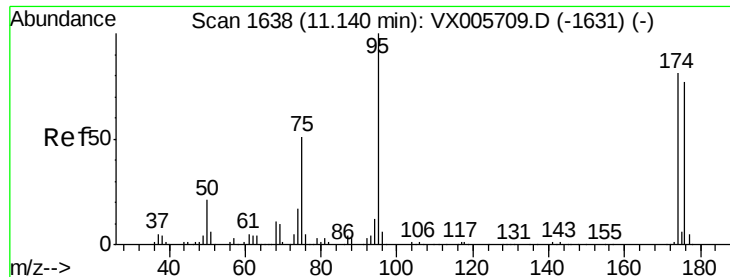
Toluene-d8  
 Concen: 48.856 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX005810.D  
 Acq: 06 Nov 2018 15:45

Tgt Ion: 98 Resp: 349157  
 Ion Ratio Lower Upper  
 98 100  
 100 64.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.277 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005810.D

Acq: 06 Nov 2018 15:45

Instrument :

MSVOA\_X

ClientSampleId :

PB114531ZHE#05

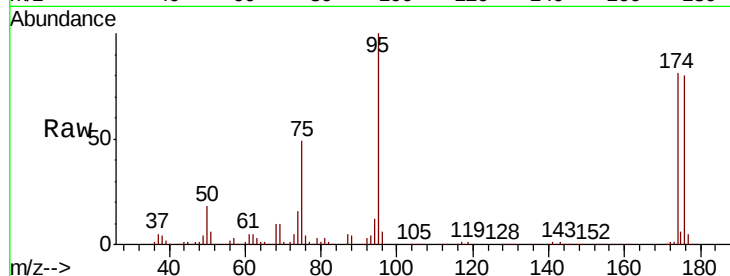
Tot Ion: 95 Resp: 111512

Ion Ratio Lower Upper

95 100

174 79.8 0.0 184.4

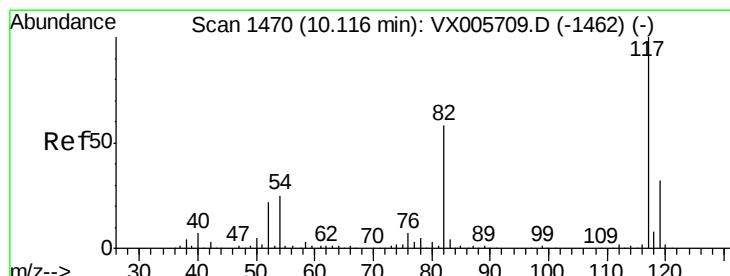
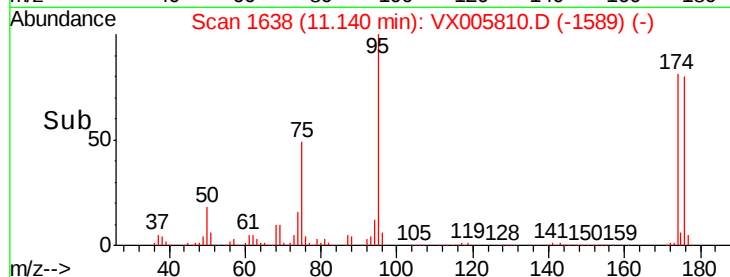
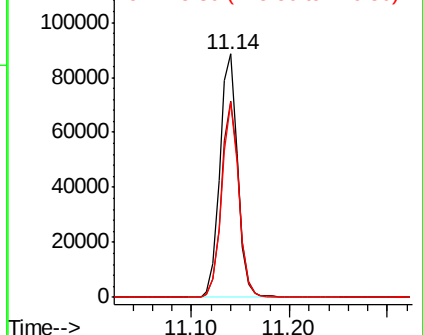
176 76.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005810.D

Acq: 06 Nov 2018 15:45

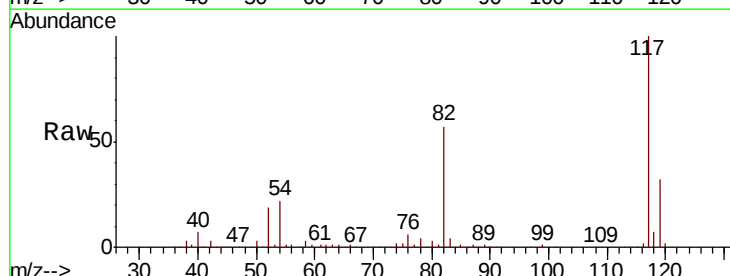
Tgt Ion: 117 Resp: 247578

Ion Ratio Lower Upper

117 100

82 57.0 44.1 66.1

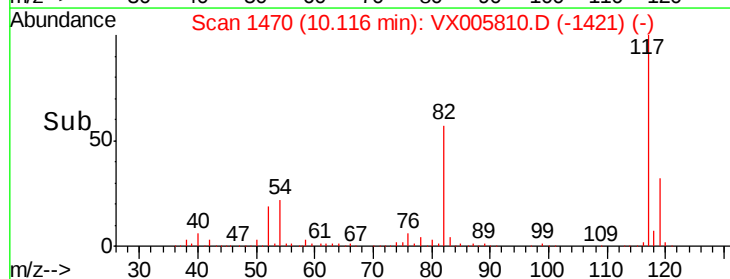
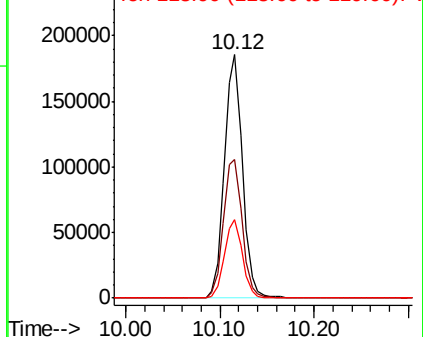
119 32.3 26.2 39.2

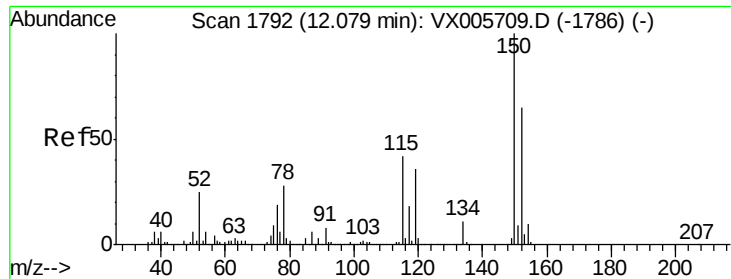


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005810.D

Acq: 06 Nov 2018 15:45

Instrument :

MSVOA\_X

ClientSampleId :

PB114531ZHE#05

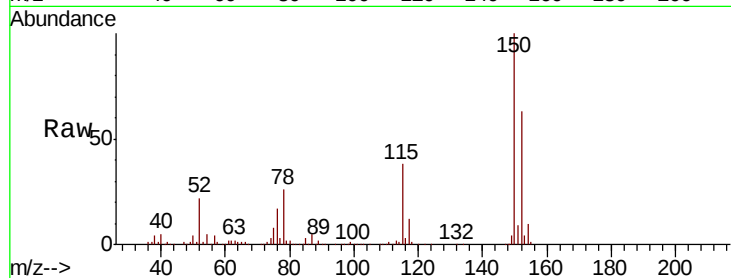
Tot Ion:152 Resp: 108901

Ion Ratio Lower Upper

152 100

115 59.3 39.4 118.1

150 157.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

200000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

