

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\  
 Data File : VX011600.D  
 Acq On : 16 Aug 2019 23:50  
 Operator : JC/SP  
 Sample : PB122302TB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB122302TB

Quant Time: Aug 19 03:55:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 04:15:26 2019  
 Response via : Initial Calibration

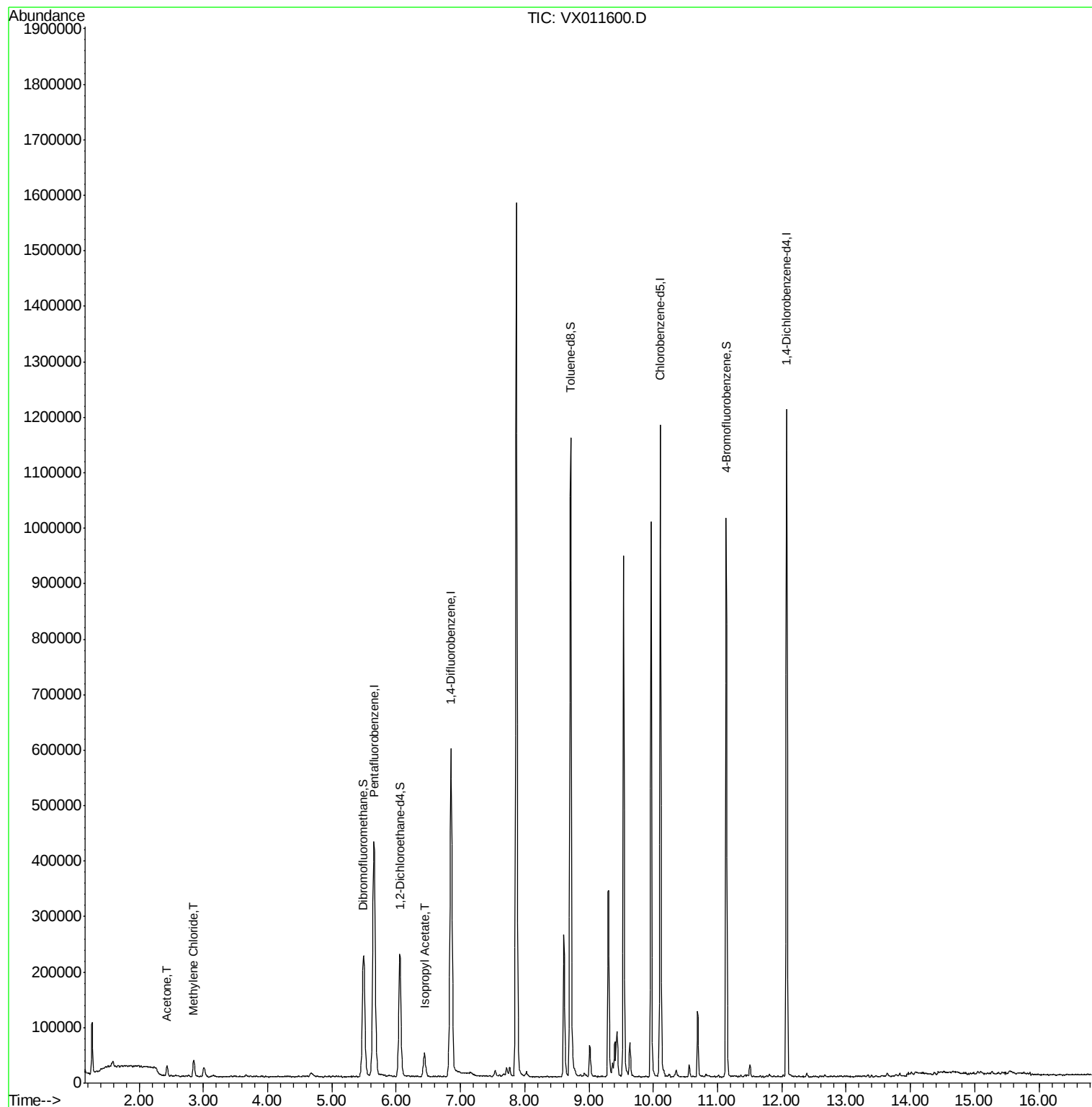
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 459745   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 630046   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 561758   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 275346   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 213799   | 50.15 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.30% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 183929   | 44.63 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.26%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 721118   | 56.16 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.32% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 253925   | 46.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.70%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.43  | 43   | 20450    | 9.539 | ug/l    | 96       |
| 20) Methylene Chloride      | 2.85  | 84   | 14733    | 3.273 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 6.44  | 43   | 57840    | 5.982 | ug/l    | 98       |

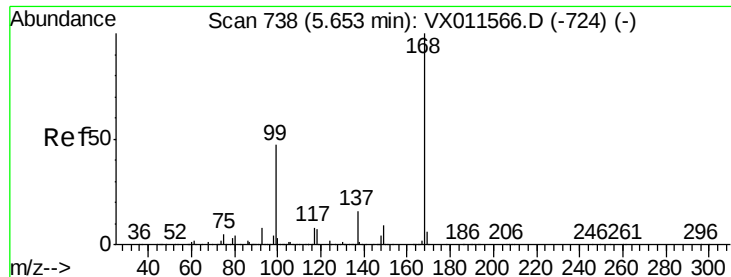
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081619\  
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Sample : PB122302TB  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB122302TB

Quant Time: Aug 19 03:55:47 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 04:15:26 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011600.D

Acq: 16 Aug 2019 23:50

Instrument :

MSVOA\_X

ClientSampleId :

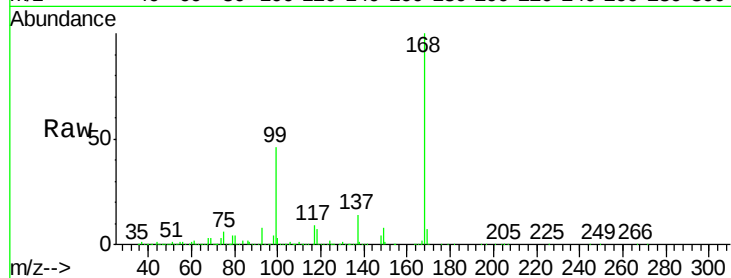
PB122302TB

Tot Ion:168 Resp: 459745

Ion Ratio Lower Upper

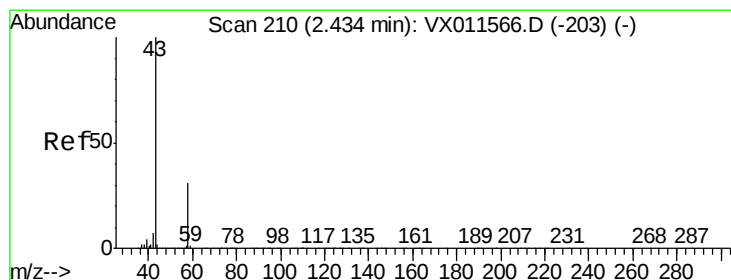
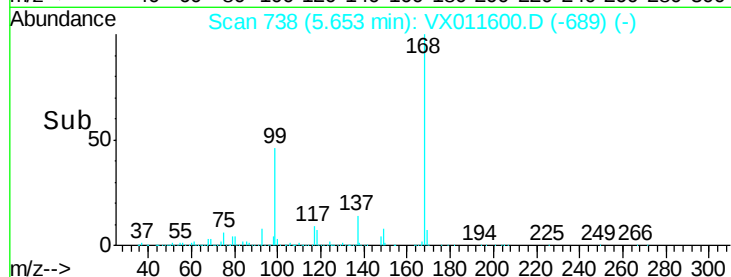
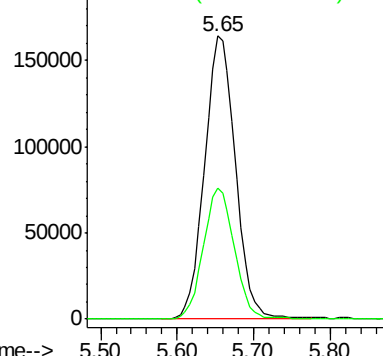
168 100

99 46.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 9.539 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011600.D

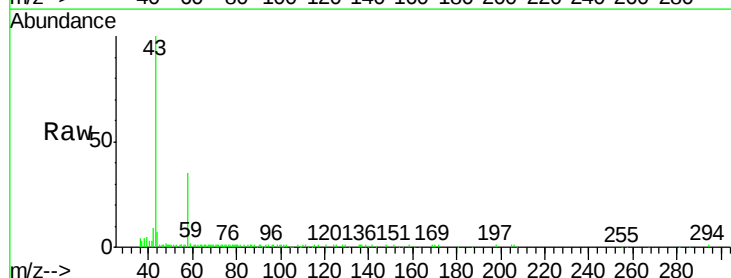
Acq: 16 Aug 2019 23:50

Tgt Ion: 43 Resp: 20450

Ion Ratio Lower Upper

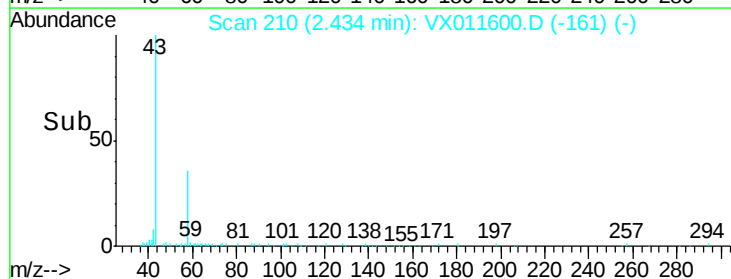
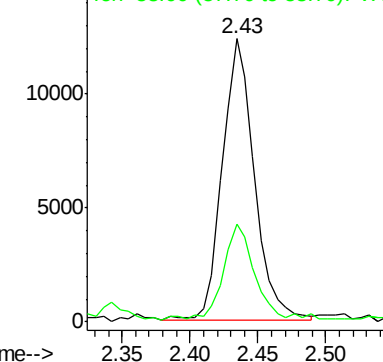
43 100

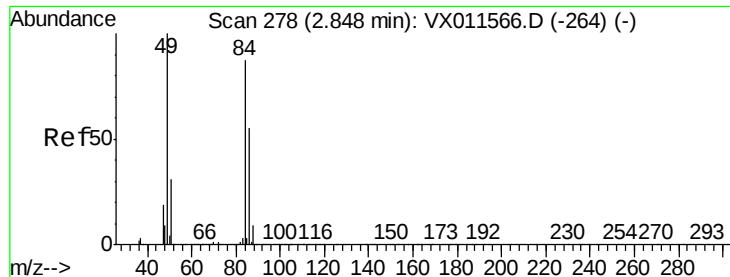
58 33.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

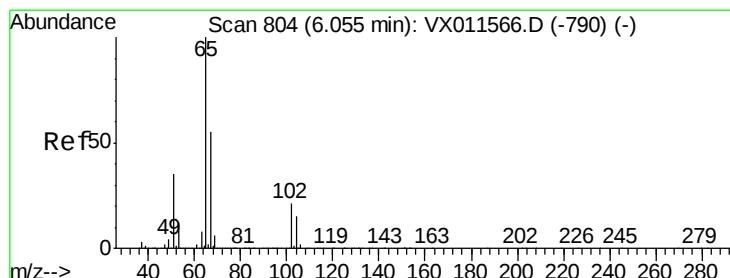
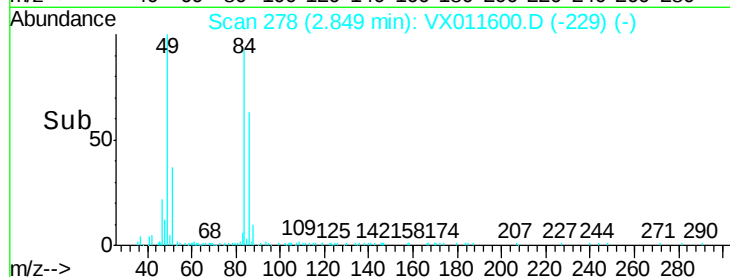
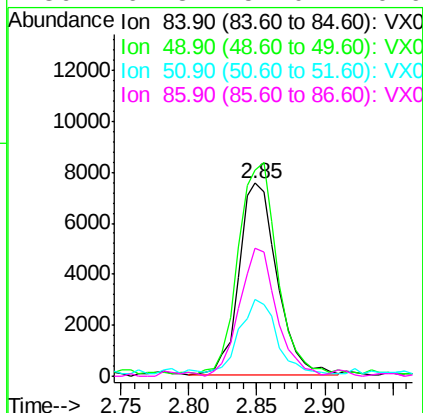
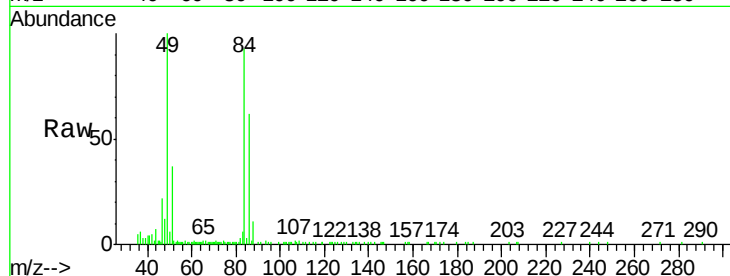




#20  
Methvlene Chloride  
Concen: 3.273 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.00 min  
Lab File: VX011600.D  
Acq: 16 Aug 2019 23:50

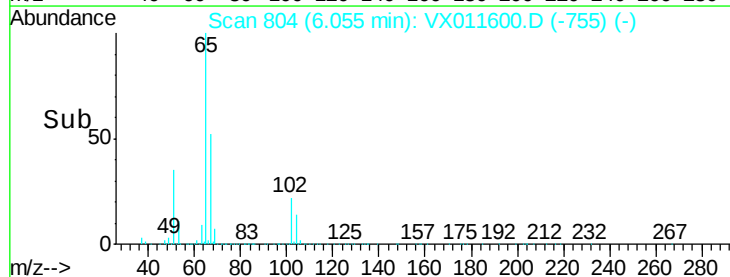
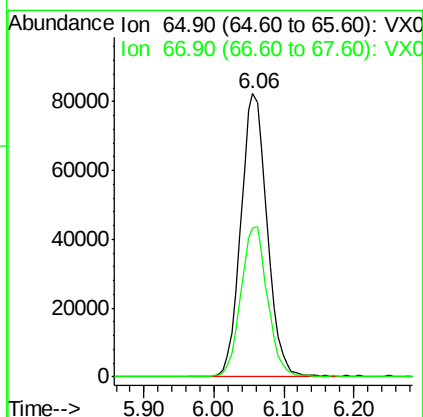
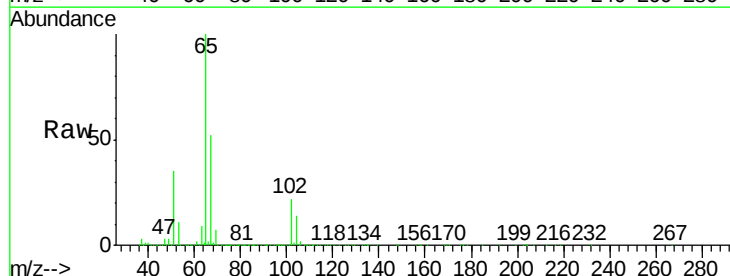
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB122302TB

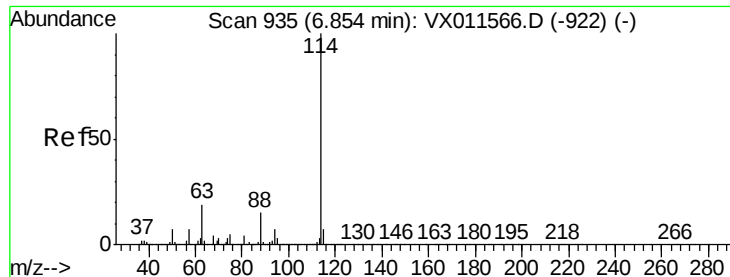
Tot Ion: 84 Resp: 14733  
Ion Ratio Lower Upper  
84 100  
49 105.7 92.4 138.6  
51 36.4 28.5 42.7  
86 64.8 51.0 76.6



#33  
1,2-Dichloroethane-d4  
Concen: 50.146 ug/l  
RT: 6.06 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: VX011600.D  
Acq: 16 Aug 2019 23:50

Tgt Ion: 65 Resp: 213799  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011600.D

Acq: 16 Aug 2019 23:50

Instrument :

MSVOA\_X

ClientSampleId :

PB122302TB

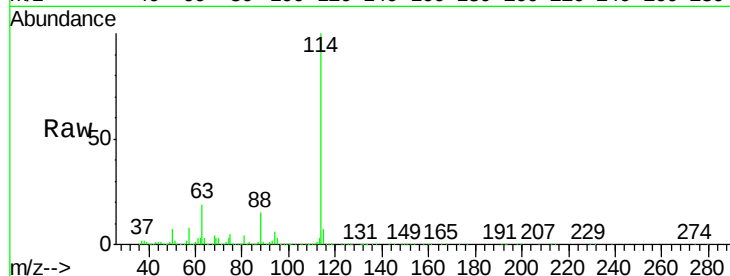
Tot Ion:114 Resp: 630046

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.8

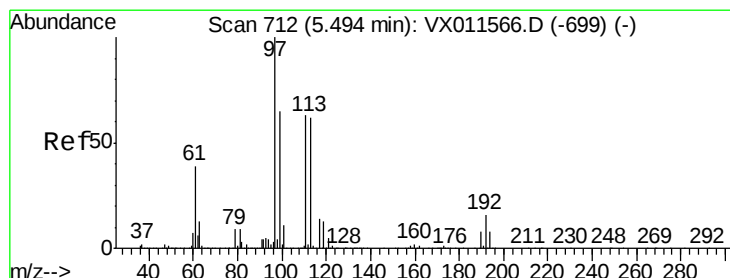
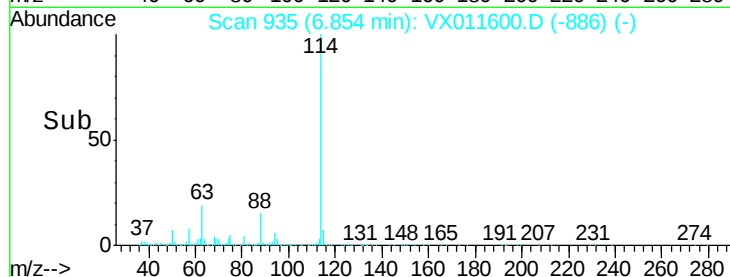
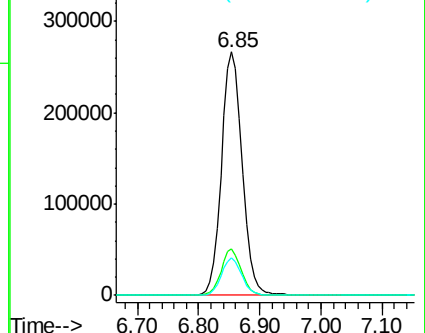
88 15.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 44.633 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011600.D

Acq: 16 Aug 2019 23:50

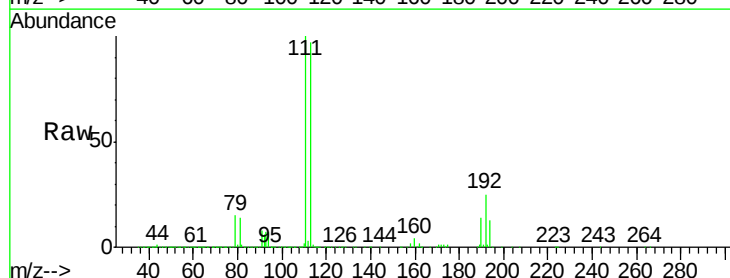
Tgt Ion:113 Resp: 183929

Ion Ratio Lower Upper

113 100

111 104.0 81.1 121.7

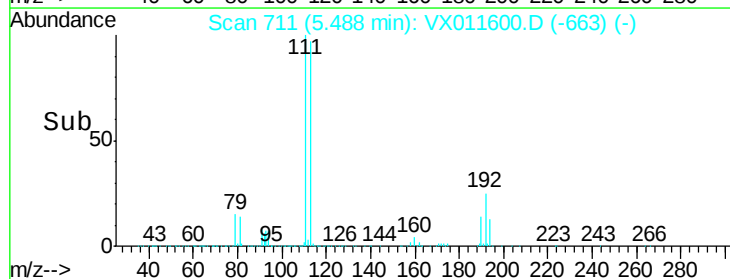
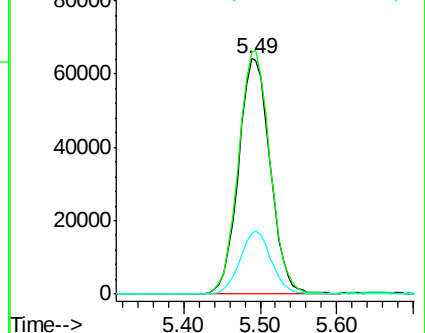
192 26.5 20.8 31.2

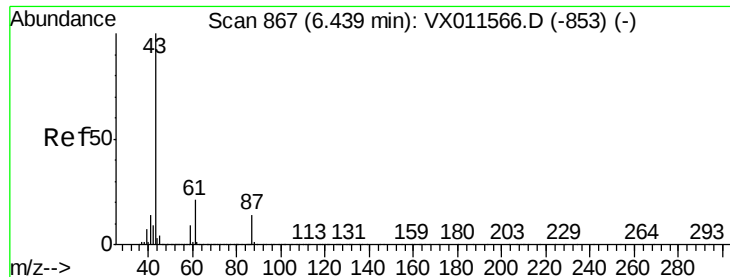


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



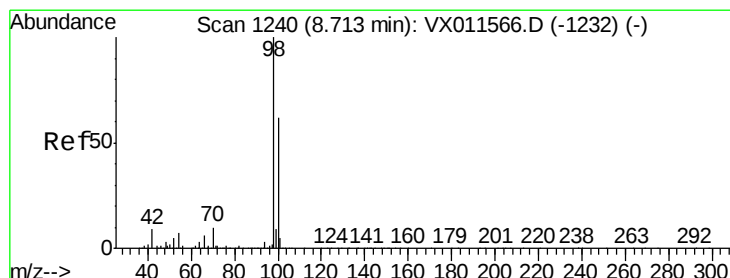
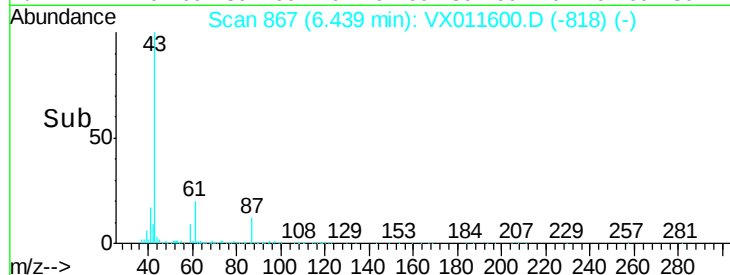
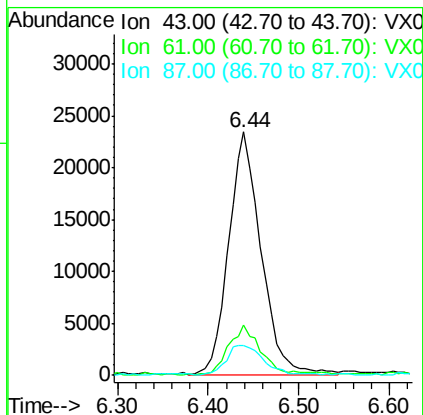
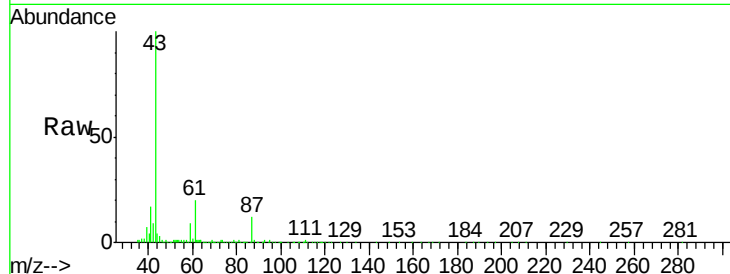


#43

Isopropyl Acetate  
 Concen: 5.982 ug/l  
 RT: 6.44 min Scan# 867  
 Delta R.T. 0.00 min  
 Lab File: VX011600.D  
 Acq: 16 Aug 2019 23:50

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB122302TB

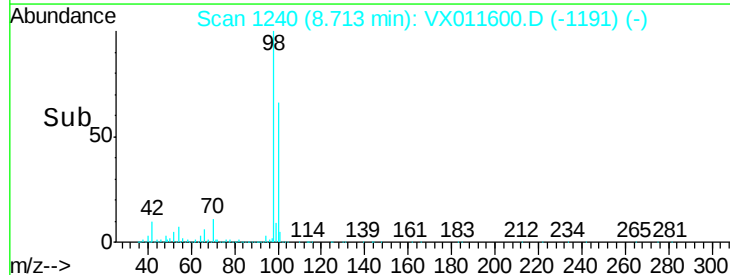
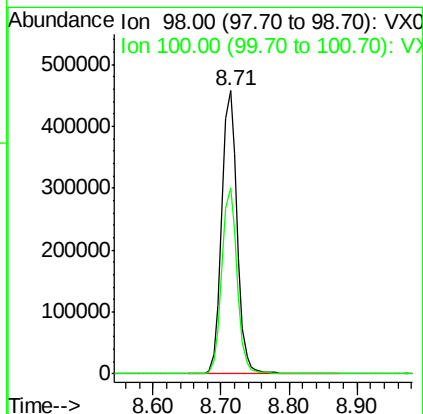
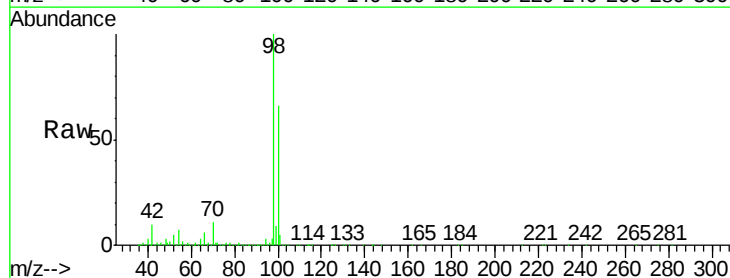
| Tot Ion   | 43    | Resp  | 57840 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 22.0  | 16.6  | 24.8  |
| 87        | 14.6  | 11.4  | 17.2  |

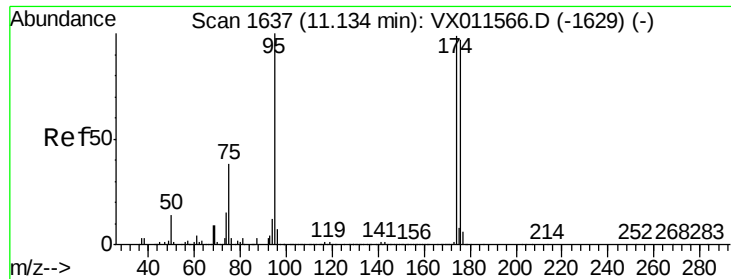


#50

Toluene-d8  
 Concen: 56.161 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX011600.D  
 Acq: 16 Aug 2019 23:50

| Tgt Ion   | 98    | Resp  | 721118 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 65.3  | 52.4  | 78.6   |





#62

4-Bromofluorobenzene

Concen: 46.853 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011600.D

Acq: 16 Aug 2019 23:50

Instrument :

MSVOA\_X

ClientSampleId :

PB122302TB

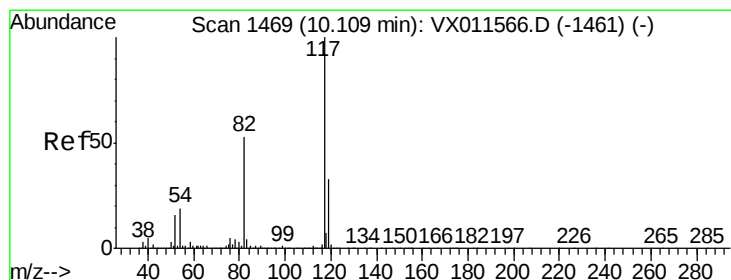
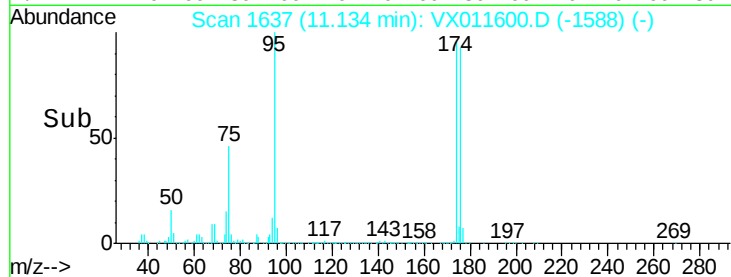
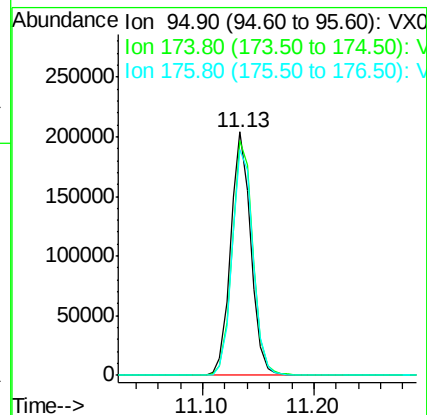
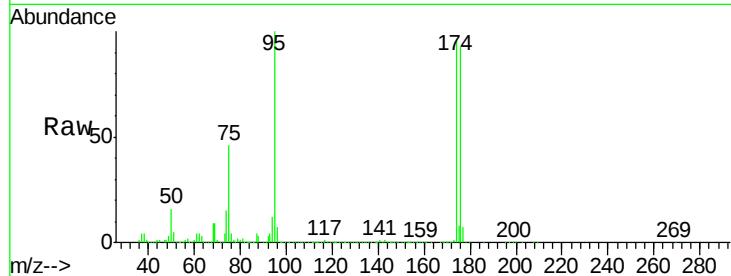
Tot Ion: 95 Resp: 253925

Ion Ratio Lower Upper

95 100

174 99.0 0.0 200.6

176 96.2 0.0 196.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011600.D

Acq: 16 Aug 2019 23:50

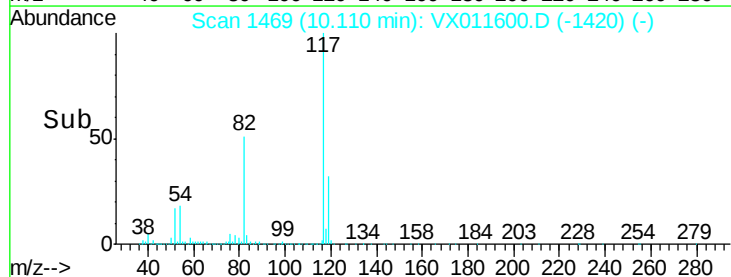
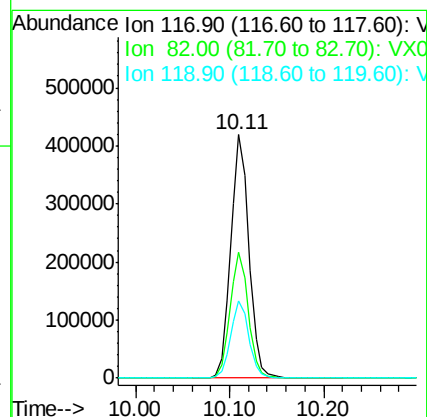
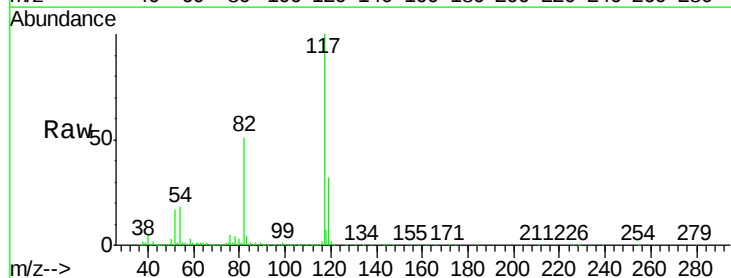
Tgt Ion: 117 Resp: 561758

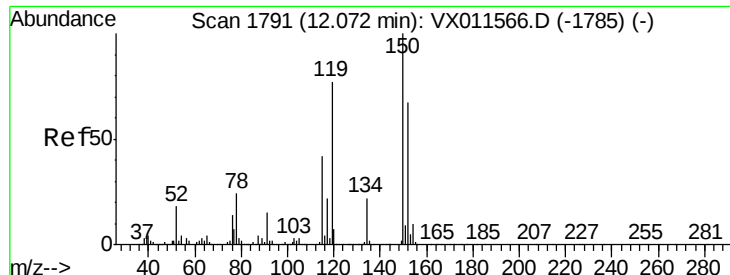
Ion Ratio Lower Upper

117 100

82 51.4 42.0 63.0

119 31.8 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011600.D

Acq: 16 Aug 2019 23:50

Instrument :

MSVOA\_X

ClientSampleId :

PB122302TB

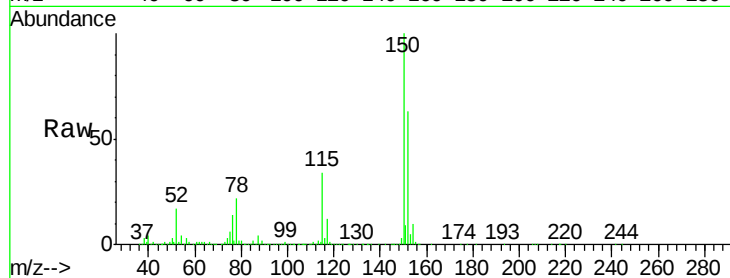
Tot Ion:152 Resp: 275346

Ion Ratio Lower Upper

152 100

115 52.9 37.3 111.9

150 157.7 0.0 346.2



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

