

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\  
 Data File : VX011543.D  
 Acq On : 13 Aug 2019 18:01  
 Operator : JC/SP  
 Sample : K4336-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS038-190812

Quant Time: Aug 14 02:26:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

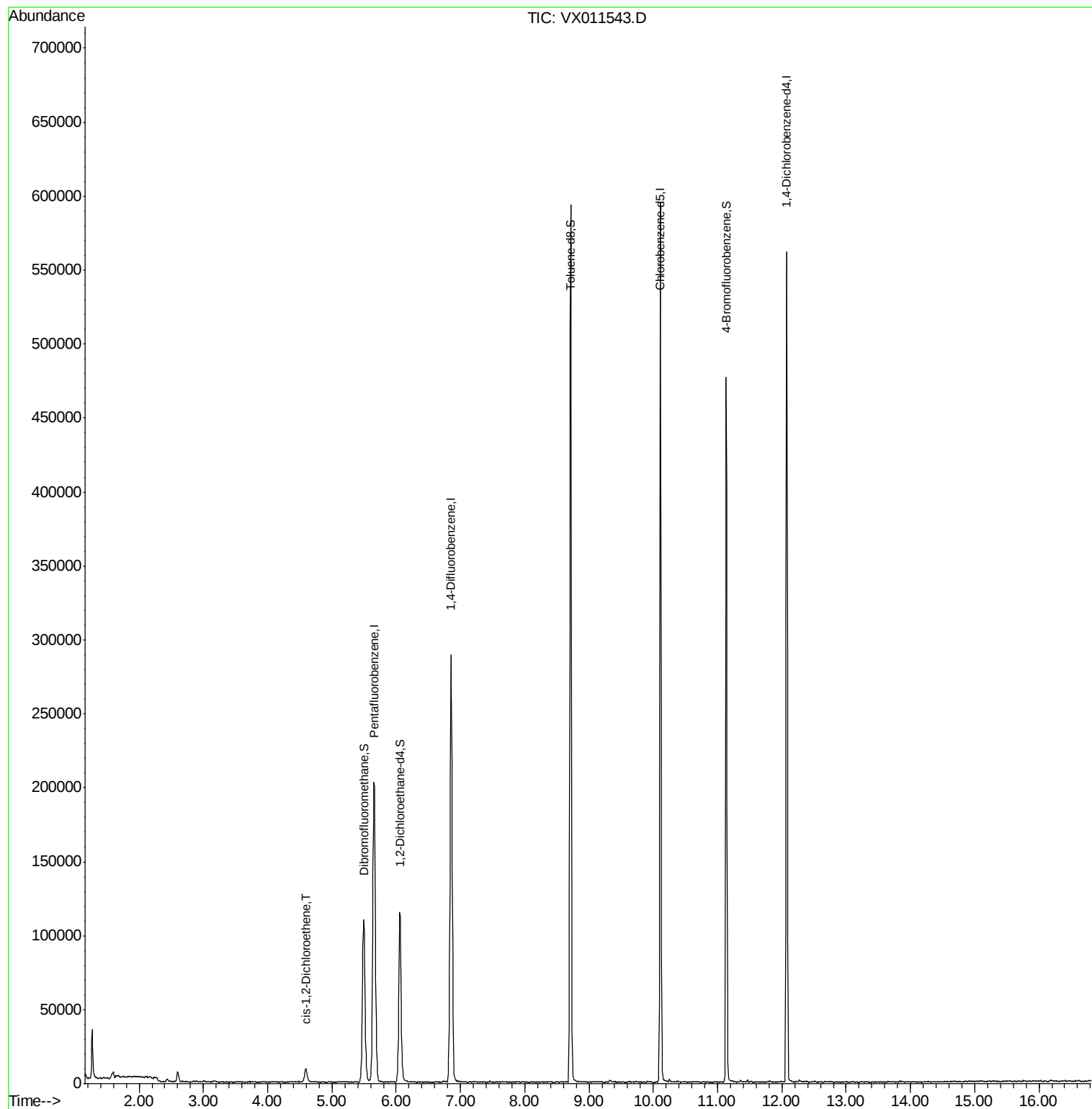
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 198063   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 297832   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 265174   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 119084   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 110841   | 55.57 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.14% |           |
| 35) Dibromofluoromethane    | 5.49  | 113  | 91902    | 47.26 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.52%  |           |
| 50) Toluene-d8              | 8.71  | 98   | 344175   | 46.89 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.78%  |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 116361   | 44.40 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.80%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 6207     | 2.827 | ug/l    | Qvalue 94 |

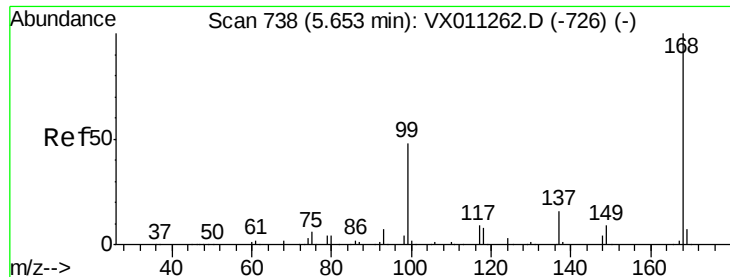
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Aug 02 01:55:00 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: VX011543.D

Acq: 13 Aug 2019 18:01

Instrument :

MSVOA\_X

ClientSampleId :

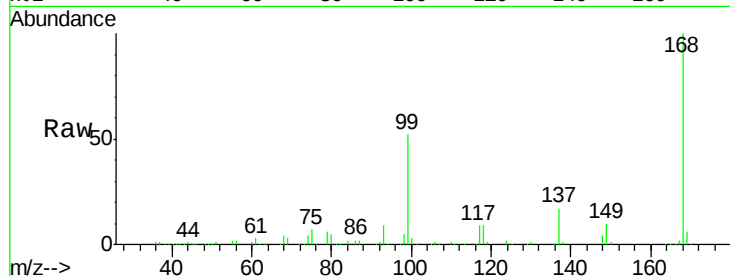
KY038PS038-190812

Tot Ion:168 Resp: 198063

Ion Ratio Lower Upper

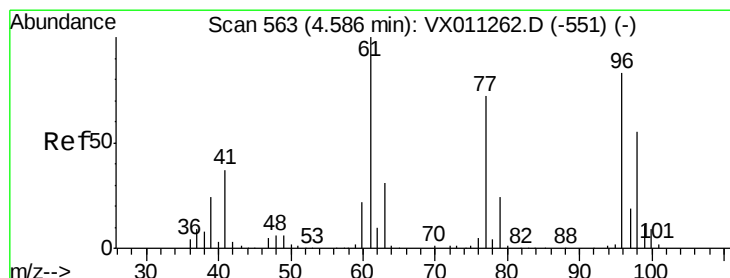
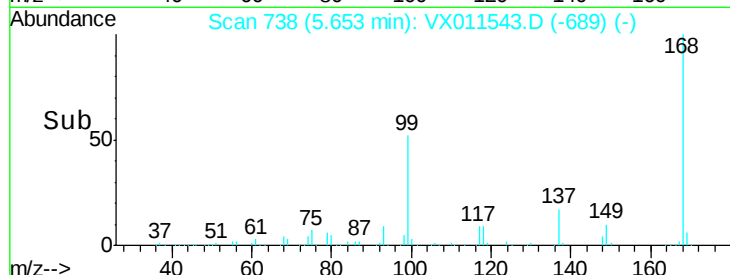
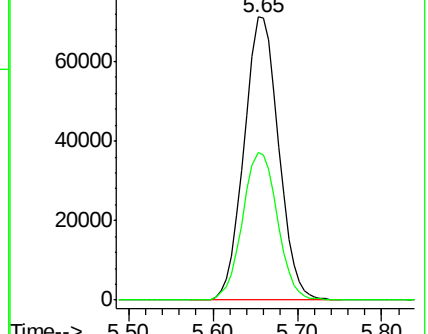
168 100

99 52.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.827 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX011543.D

Acq: 13 Aug 2019 18:01

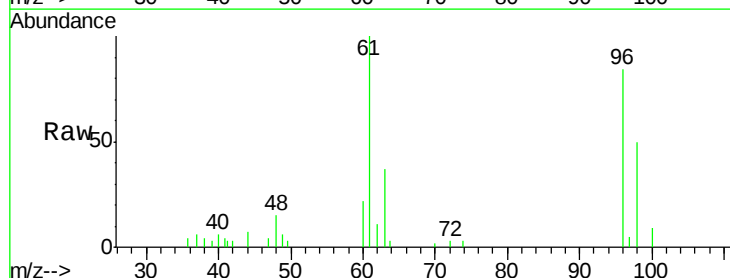
Tgt Ion: 96 Resp: 6207

Ion Ratio Lower Upper

96 100

61 119.6 0.0 260.2

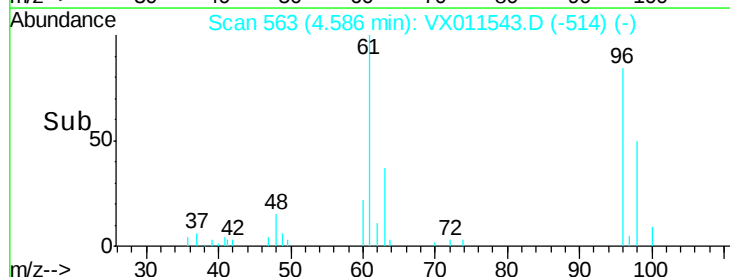
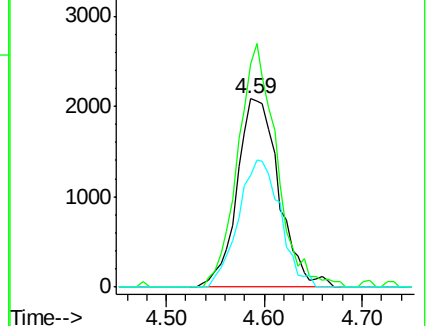
98 67.5 0.0 133.2

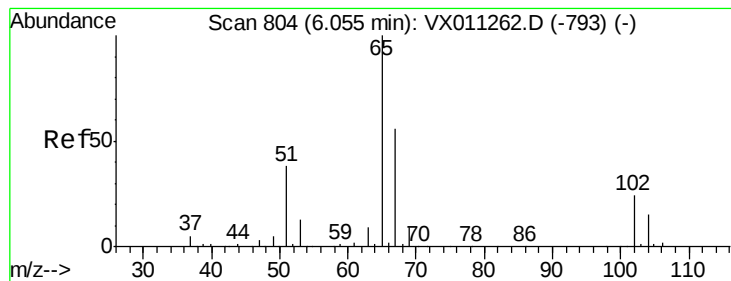


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 55.571 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011543.D

Acq: 13 Aug 2019 18:01

Instrument :

MSVOA\_X

ClientSampleId :

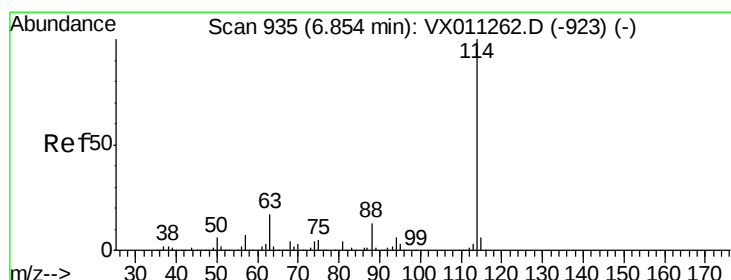
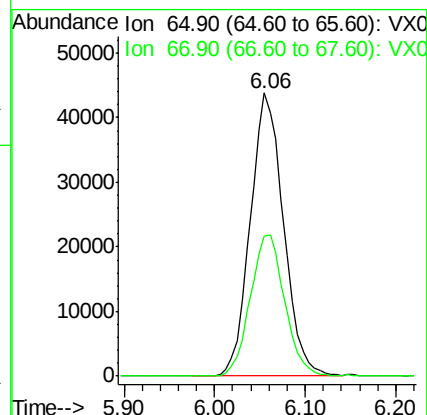
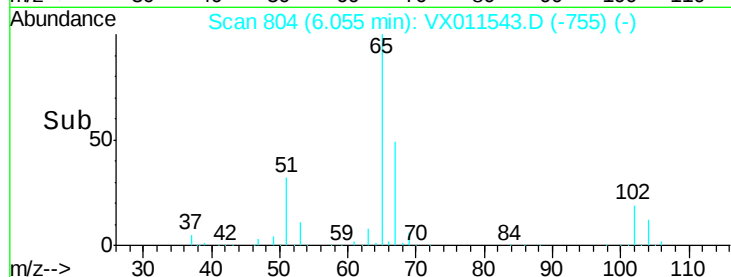
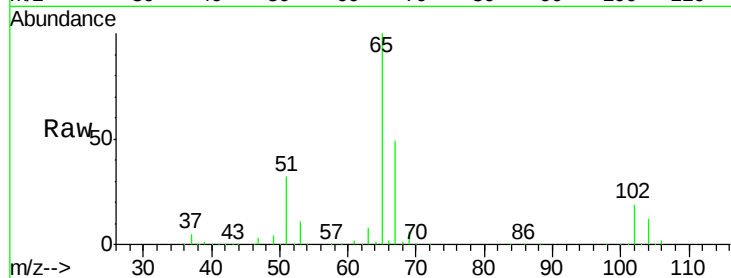
KY038PS038-190812

Tot Ion: 65 Resp: 110841

Ion Ratio Lower Upper

65 100

67 51.5 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011543.D

Acq: 13 Aug 2019 18:01

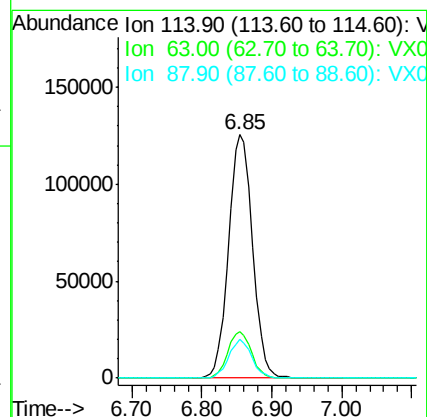
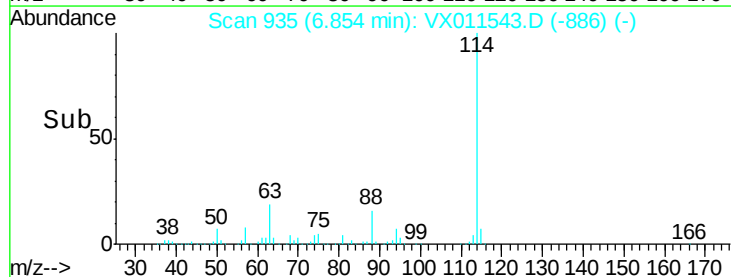
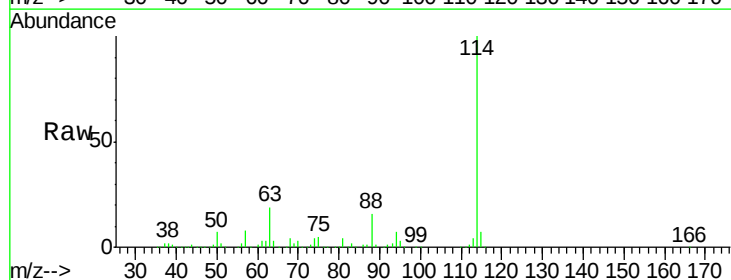
Tgt Ion: 114 Resp: 297832

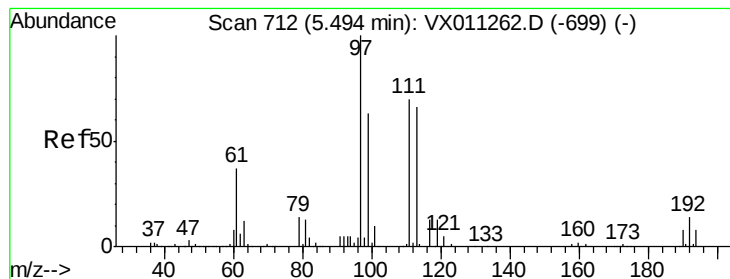
Ion Ratio Lower Upper

114 100

63 19.3 0.0 34.0

88 16.0 0.0 26.4





#35

Dibromofluoromethane

Concen: 47.263 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011543.D

Acq: 13 Aug 2019 18:01

Instrument :

MSVOA\_X

ClientSampleId :

KY038PS038-190812

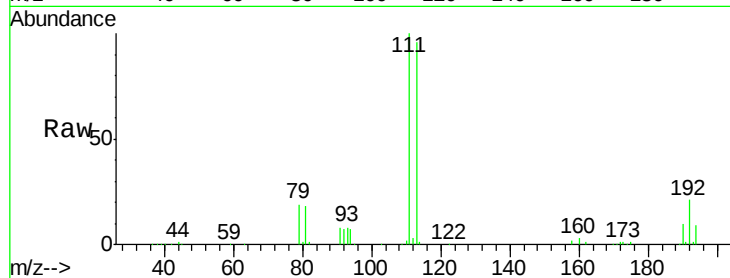
Tot Ion:113 Resp: 91902

Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

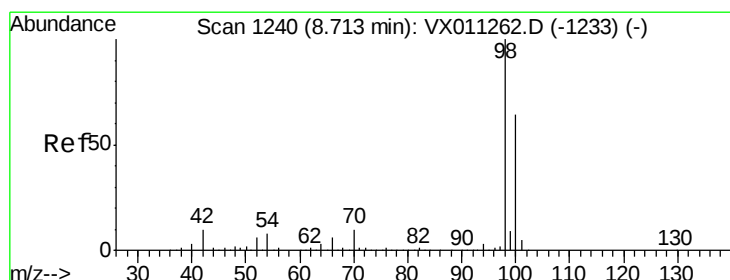
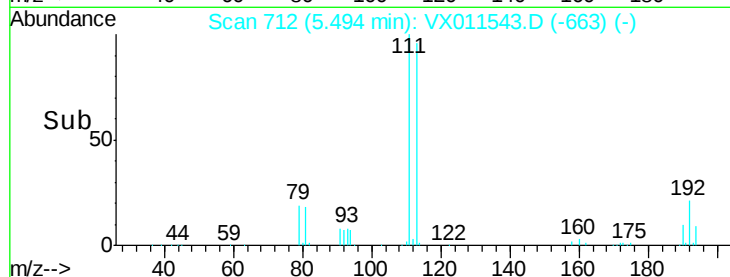
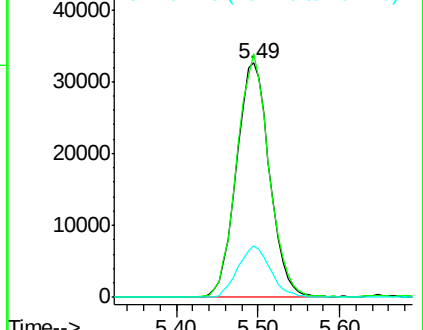
192 21.6 17.8 26.8



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



#50

Toluene-d8

Concen: 46.891 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011543.D

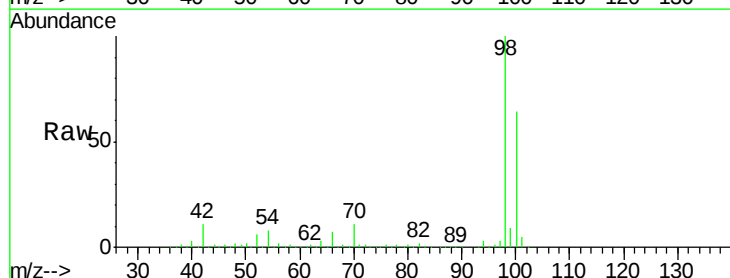
Acq: 13 Aug 2019 18:01

Tgt Ion: 98 Resp: 344175

Ion Ratio Lower Upper

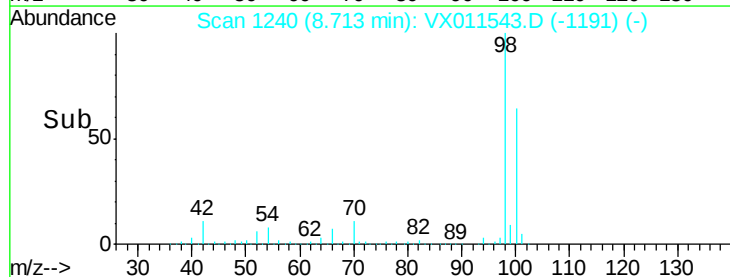
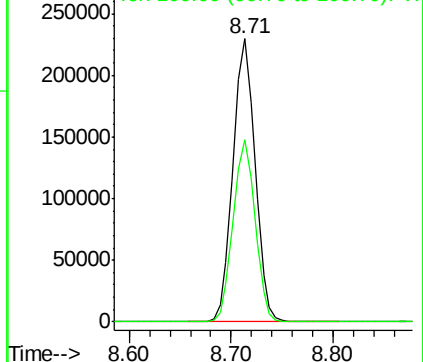
98 100

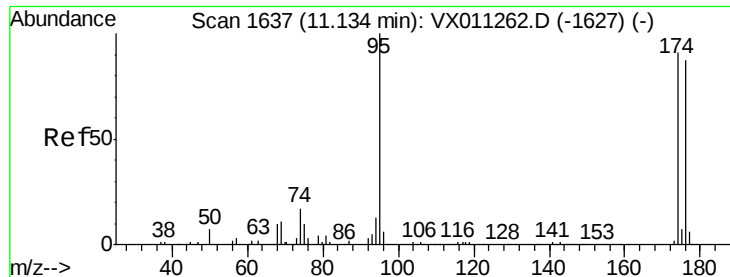
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.404 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011543.D

Acq: 13 Aug 2019 18:01

Instrument :

MSVOA\_X

ClientSampleId :

KY038PS038-190812

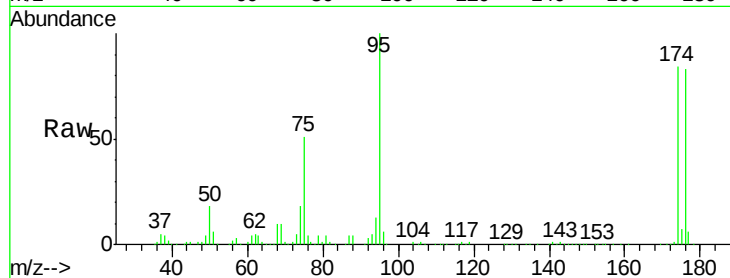
Tot Ion: 95 Resp: 116361

Ion Ratio Lower Upper

95 100

174 88.7 0.0 191.2

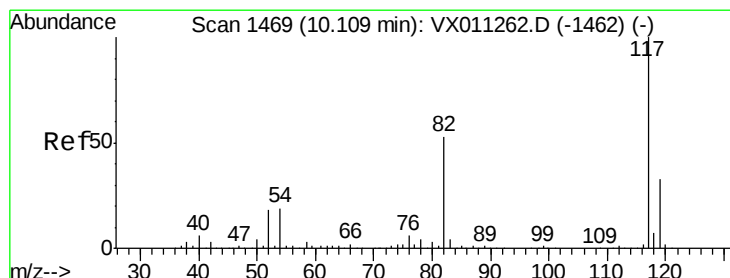
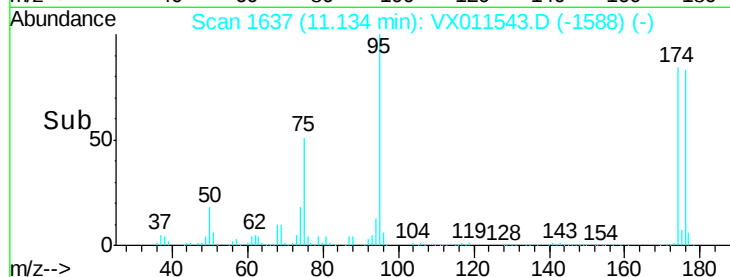
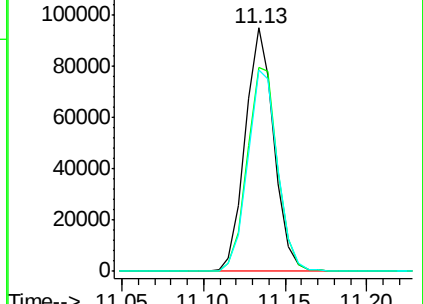
176 86.5 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011262.D (-1627) (-)

Ion 173.80 (173.50 to 174.50): VX011262.D (-1627) (-)

Ion 175.80 (175.50 to 176.50): VX011262.D (-1627) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011543.D

Acq: 13 Aug 2019 18:01

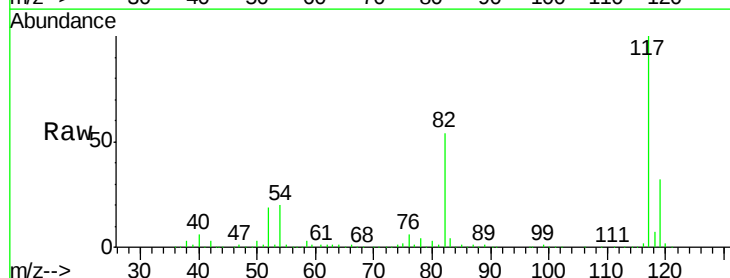
Tgt Ion: 117 Resp: 265174

Ion Ratio Lower Upper

117 100

82 53.9 42.2 63.2

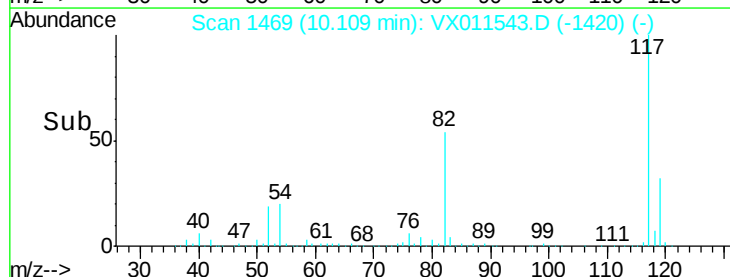
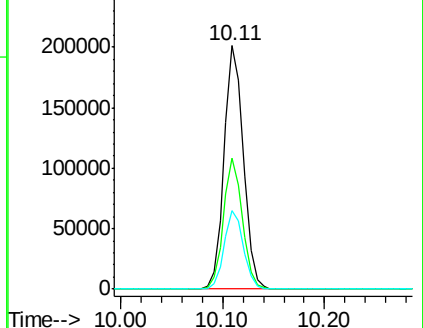
119 32.4 26.6 39.8

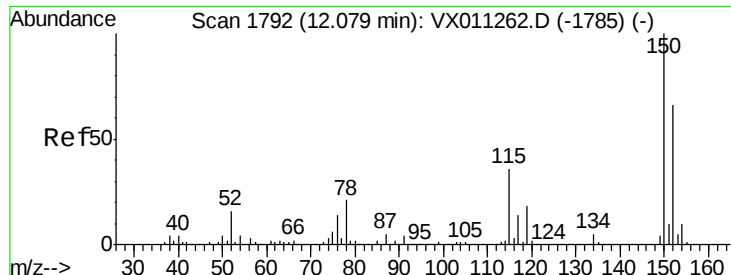


Abundance Ion 116.90 (116.60 to 117.60): VX011262.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011262.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011262.D (-1462) (-)

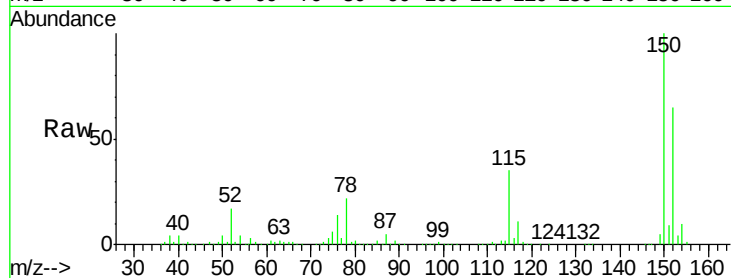




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX011543.D  
 Acq: 13 Aug 2019 18:01

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS038-190812

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.3  | 40.0  | 119.9 |
| 150     | 157.3 | 0.0   | 350.4 |



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

