

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\  
 Data File : VX011305.D  
 Acq On : 02 Aug 2019 15:20  
 Operator : JC/SP  
 Sample : K4119-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0683

Quant Time: Aug 03 06:48:17 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

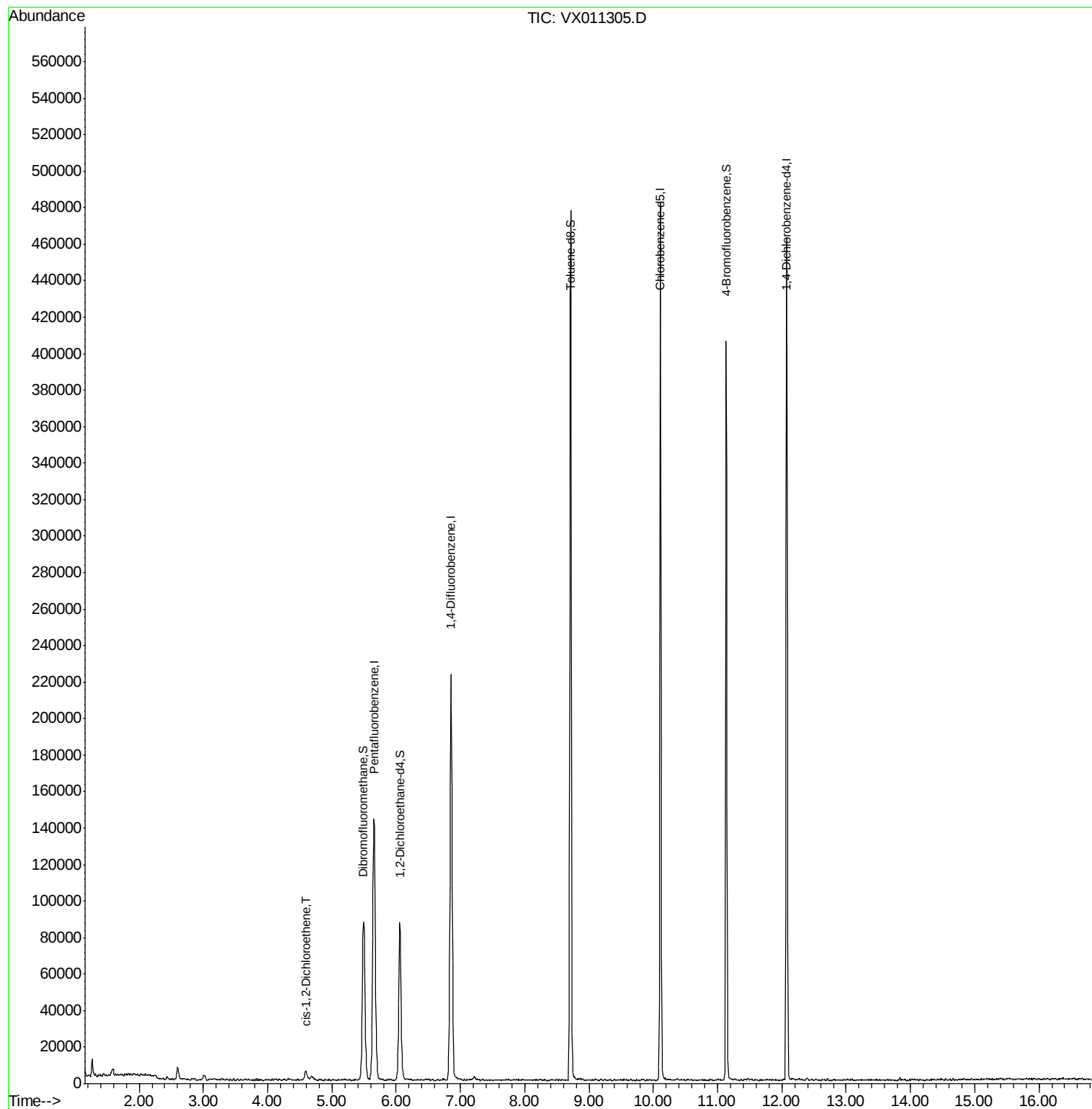
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65   | 168  | 146169   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85   | 114  | 236274   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11  | 117  | 224816   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08  | 152  | 102066   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65   | 77811    | 52.86 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 105.72% |           |
| 35) Dibromofluoromethane    | 5.49   | 113  | 74874    | 48.54 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.08%  |           |
| 50) Toluene-d8              | 8.71   | 98   | 287617   | 49.40 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 98.80%  |           |
| 62) 4-Bromofluorobenzene    | 11.13  | 95   | 97248    | 46.78 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 93.56%  |           |
| Target Compounds            |        |      |          |       |         |           |
| 27) cis-1,2-Dichloroethene  | 4.59   | 96   | 3111     | 1.920 | ug/l    | Qvalue 93 |

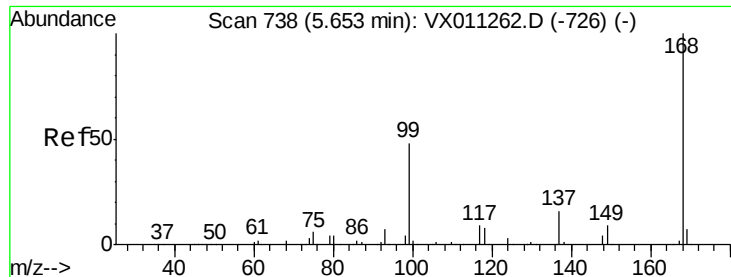
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA\_X

ClientSampled :

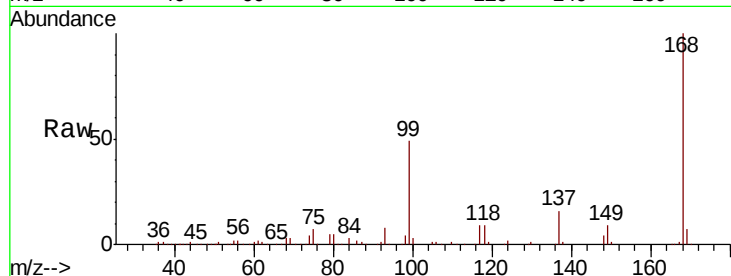
Z3-0683

Tot Ion:168 Resp: 146169

Ion Ratio Lower Upper

168 100

99 49.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

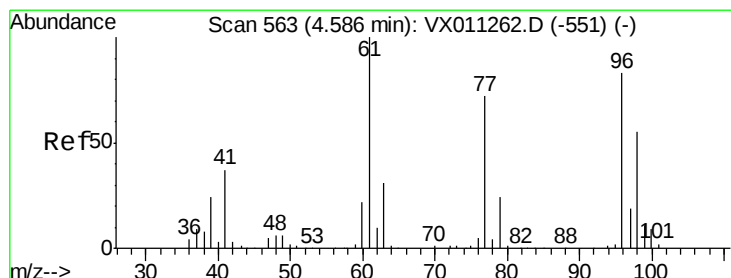
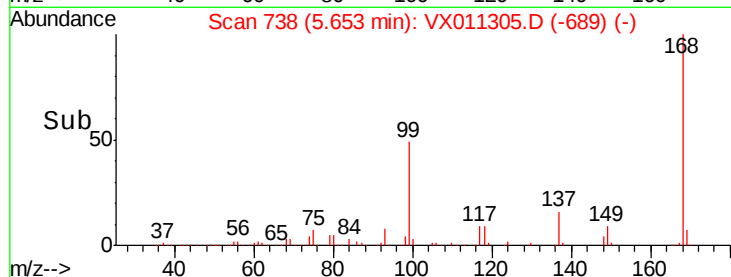
30000

20000

10000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.920 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

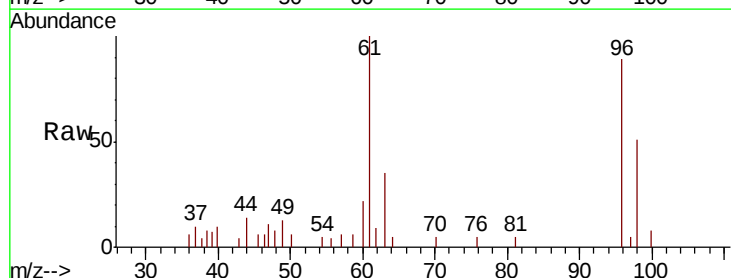
Tgt Ion: 96 Resp: 3111

Ion Ratio Lower Upper

96 100

61 123.7 0.0 260.2

98 73.5 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

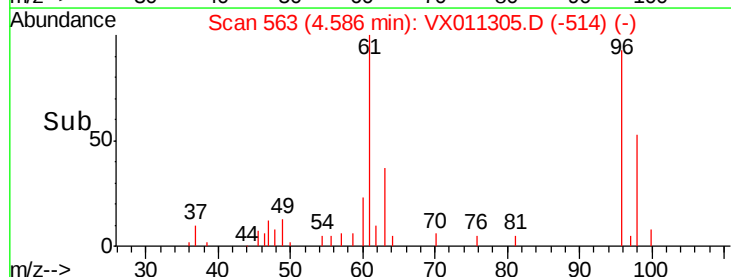
1500

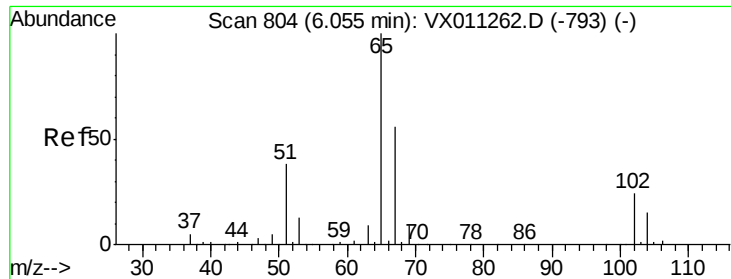
1000

500

0

Time-->

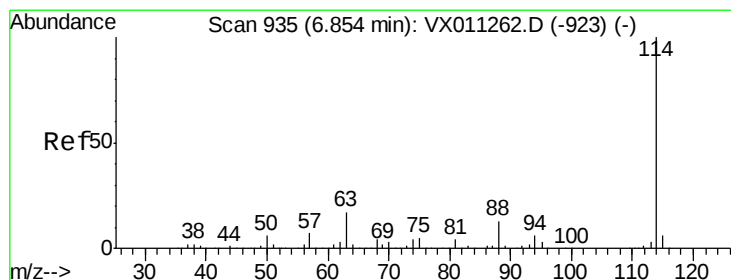
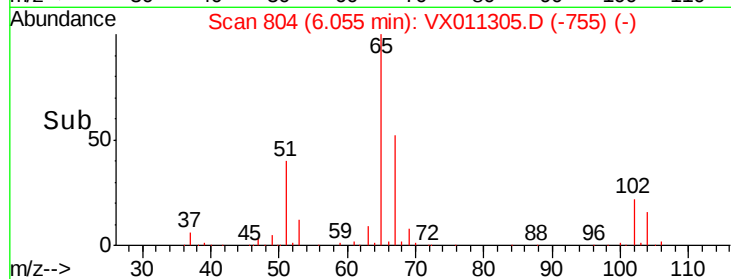
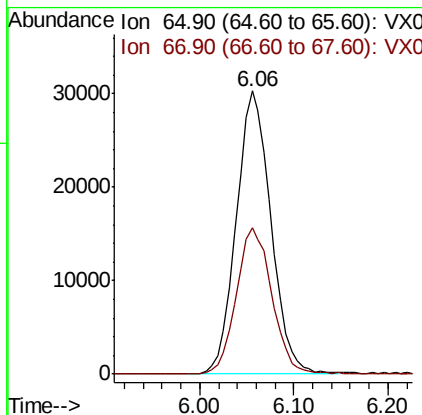
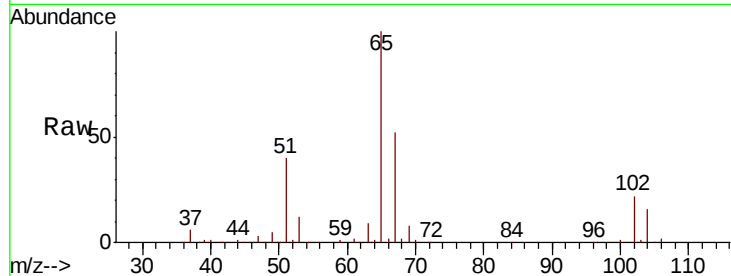




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.861 ug/l  
 RT: 6.06 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX011305.D  
 Acq: 02 Aug 2019 15:20

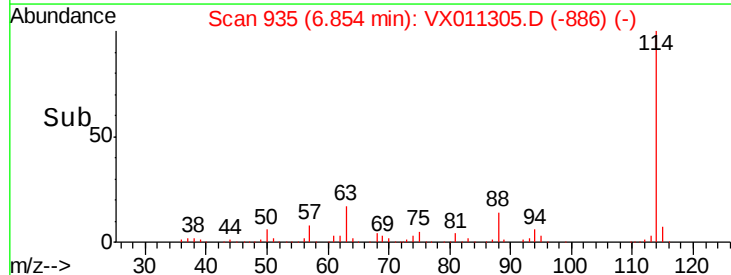
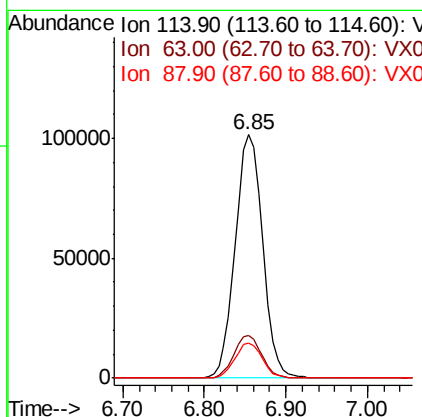
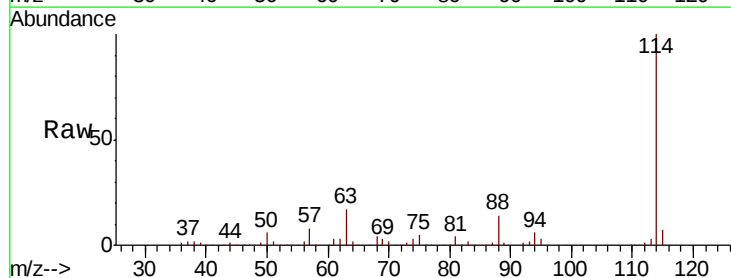
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0683

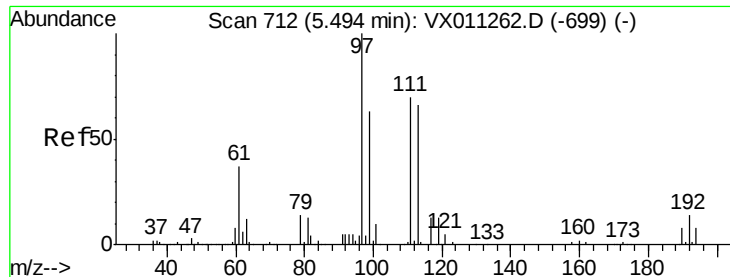
Tot Ion: 65 Resp: 77811  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011305.D  
 Acq: 02 Aug 2019 15:20

Tgt Ion: 114 Resp: 236274  
 Ion Ratio Lower Upper  
 114 100  
 63 17.5 0.0 34.0  
 88 14.2 0.0 26.4

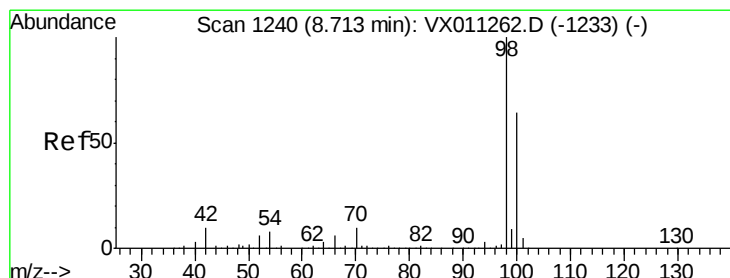
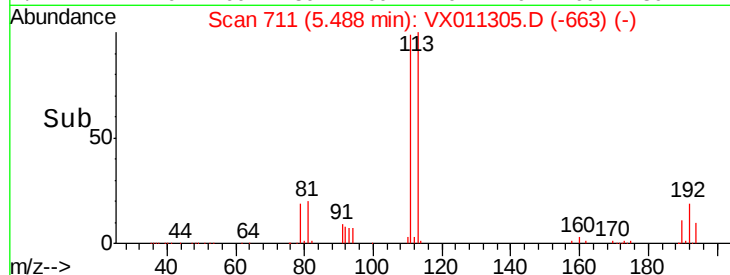
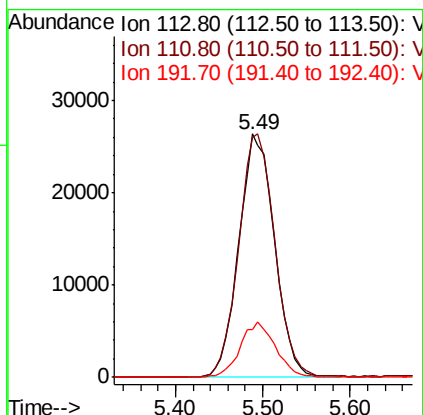
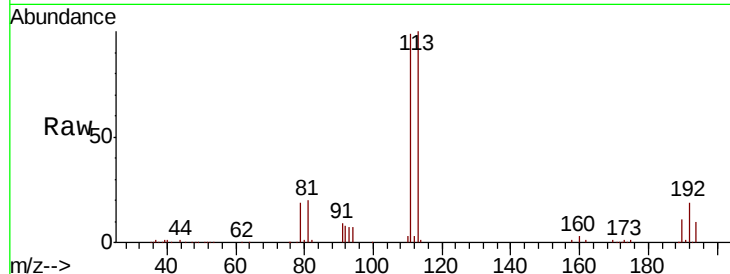




#35  
 Dibromofluoromethane  
 Concen: 48.538 ug/l  
 RT: 5.49 min Scan# 711  
 Delta R.T. -0.01 min  
 Lab File: VX011305.D  
 Acq: 02 Aug 2019 15:20

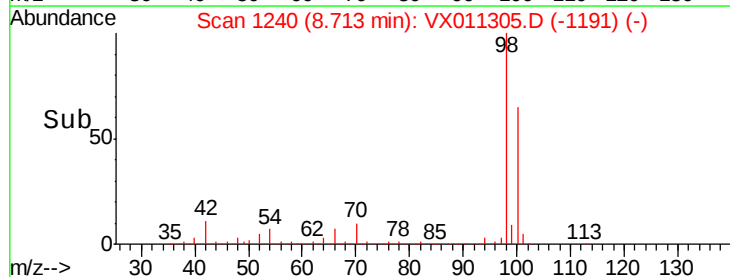
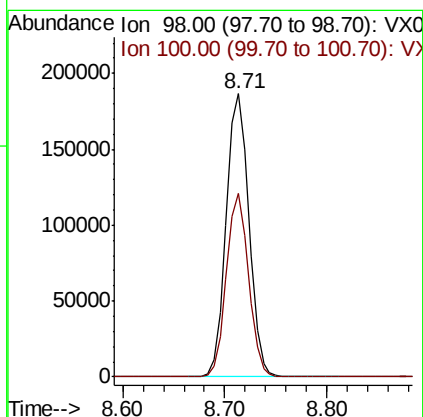
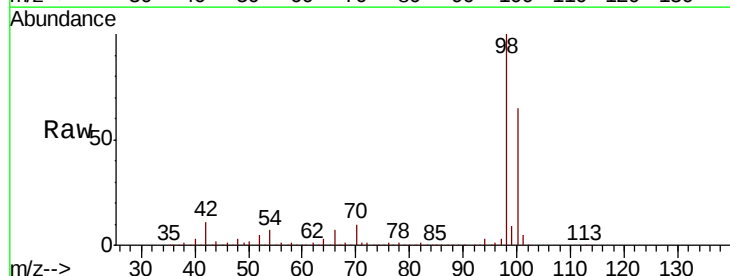
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0683

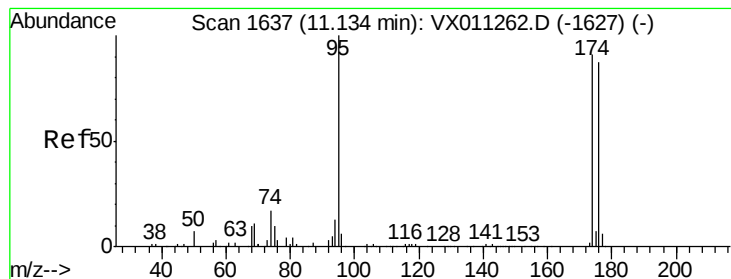
Tot Ion:113 Resp: 74874  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 81.9 122.9  
 192 22.4 17.8 26.8



#50  
 Toluene-d8  
 Concen: 49.395 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX011305.D  
 Acq: 02 Aug 2019 15:20

Tgt Ion: 98 Resp: 287617  
 Ion Ratio Lower Upper  
 98 100  
 100 63.4 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 46.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0683

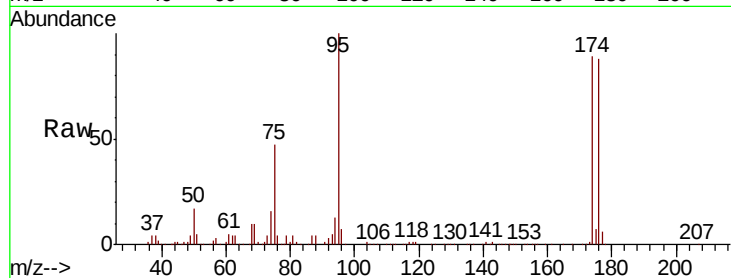
Tot Ion: 95 Resp: 97248

Ion Ratio Lower Upper

95 100

174 93.4 0.0 191.2

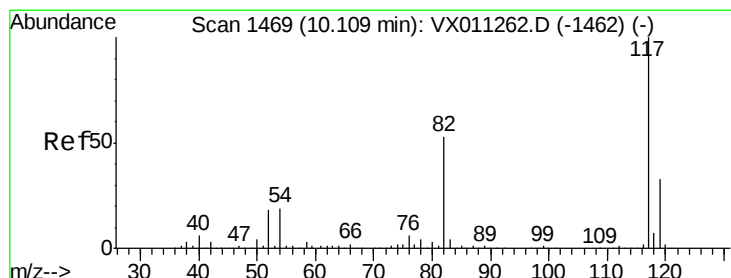
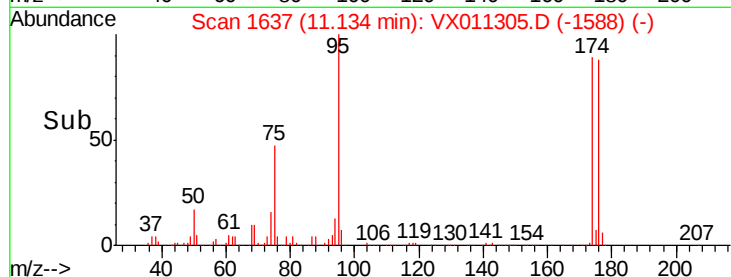
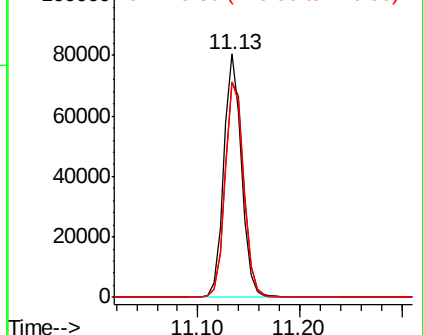
176 91.5 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

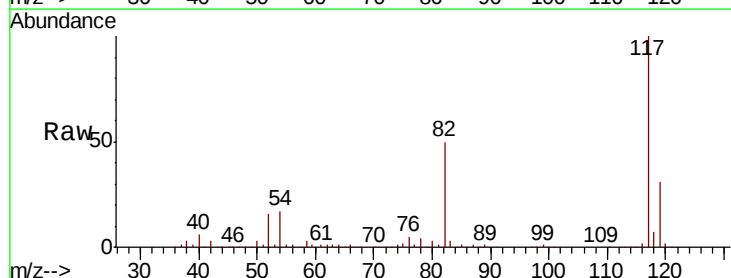
Tgt Ion: 117 Resp: 224816

Ion Ratio Lower Upper

117 100

82 50.4 42.2 63.2

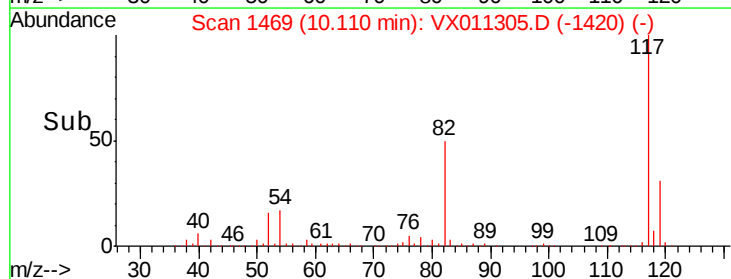
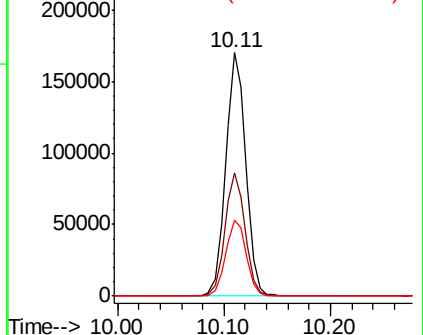
119 31.4 26.6 39.8

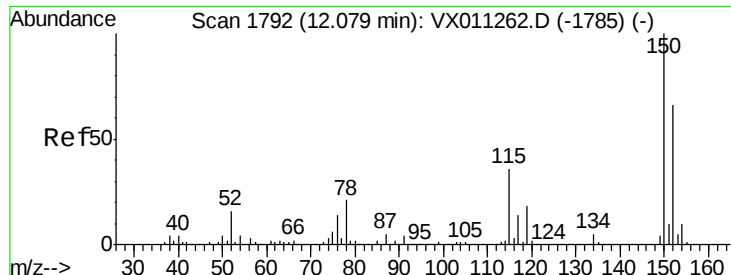


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

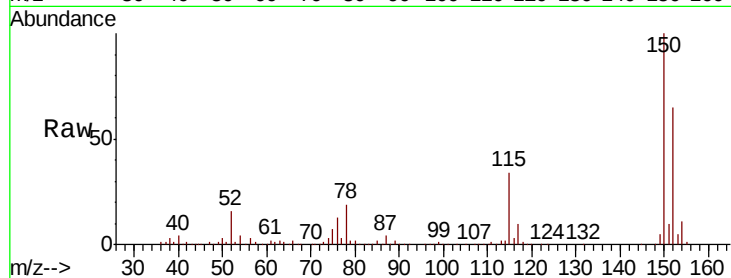




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX011305.D  
 Acq: 02 Aug 2019 15:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0683

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.6  | 40.0  | 119.9 |
| 150     | 155.8 | 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

