

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\  
 Data File : VX012174.D  
 Acq On : 07 Sep 2019 14:15  
 Operator : SY/SP  
 Sample : K4602-02  
 Misc : 5.06g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T12-G3-(0)

Quant Time: Sep 08 08:09:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 03 15:26:48 2019  
 Response via : Initial Calibration

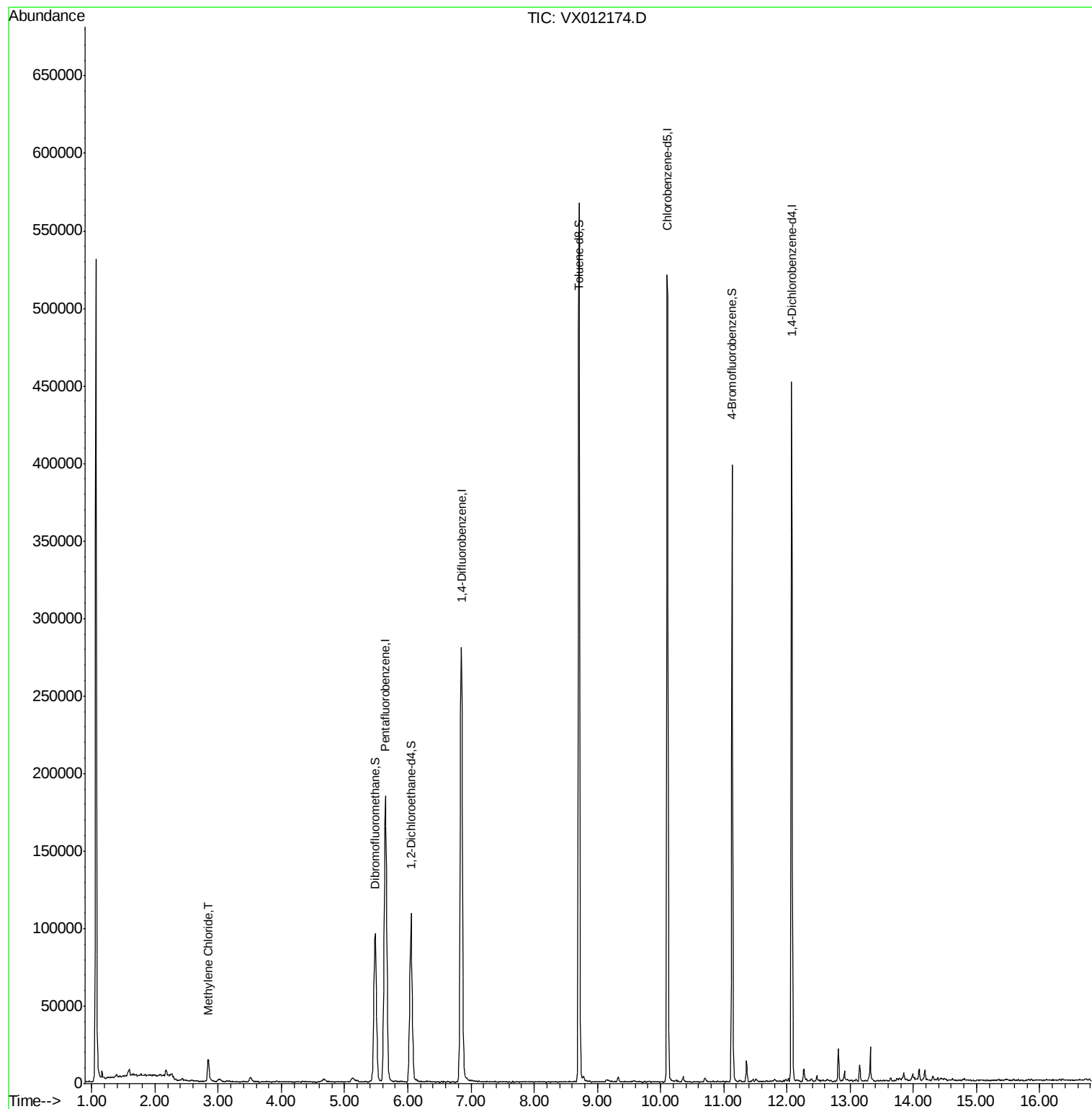
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 156244   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 272944   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 224686   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 82581    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 108403   | 50.28 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.56% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 82069    | 48.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.78%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 318083   | 51.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.28% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 114299   | 39.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.80%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 2.84  | 84   | 6703     | 3.239 | ug/l #  | 95       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 03 15:26:48 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012174.D

Acq: 07 Sep 2019 14:15

Instrument :

MSVOA\_X

ClientSampleId :

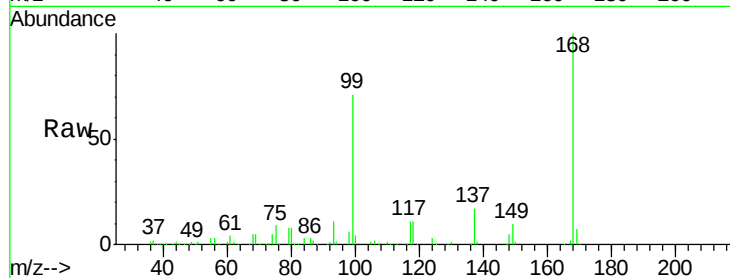
T12-G3-(0)

Tot Ion:168 Resp: 156244

Ion Ratio Lower Upper

168 100

99 70.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

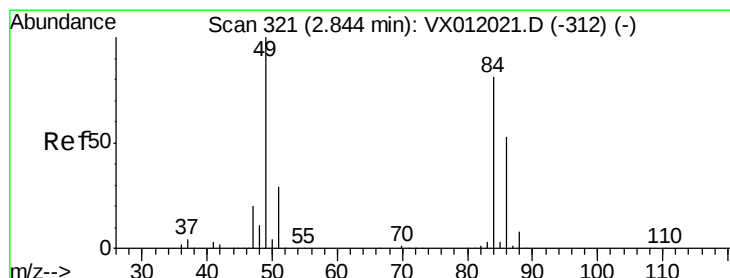
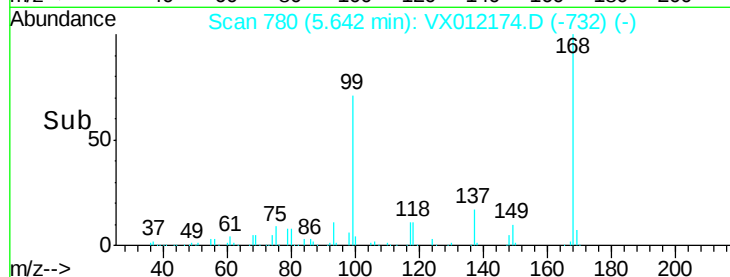
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 3.239 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012174.D

Acq: 07 Sep 2019 14:15

Tgt Ion: 84 Resp: 6703

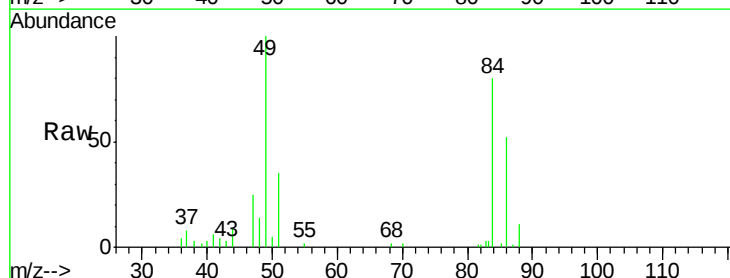
Ion Ratio Lower Upper

84 100

49 124.8 95.8 143.8

51 43.4 28.6 43.0#

86 65.1 50.9 76.3



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

2.84

6000

5000

4000

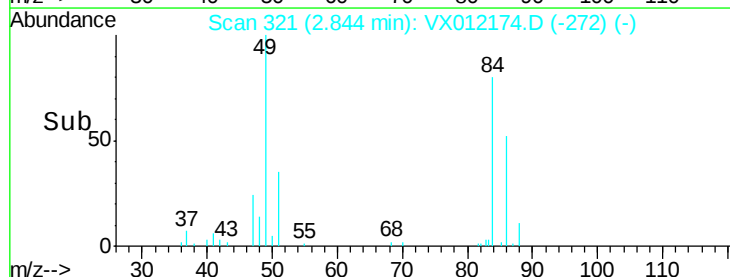
3000

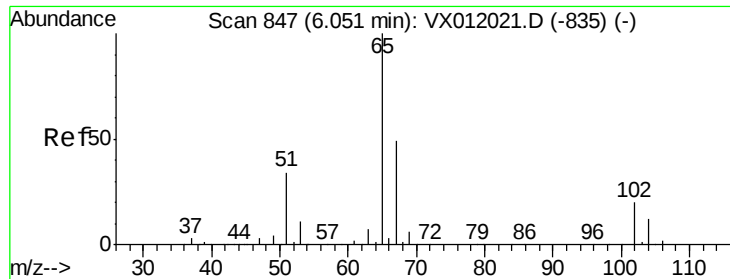
2000

1000

0

Time--> 2.75 2.80 2.85 2.90 2.95

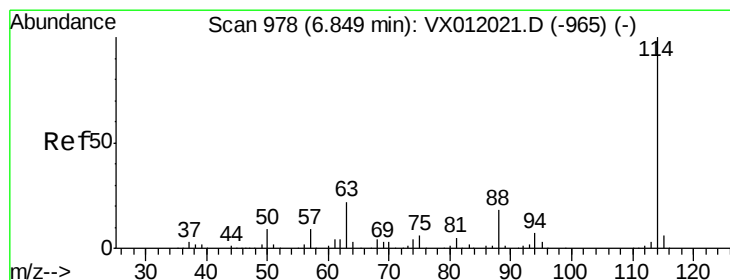
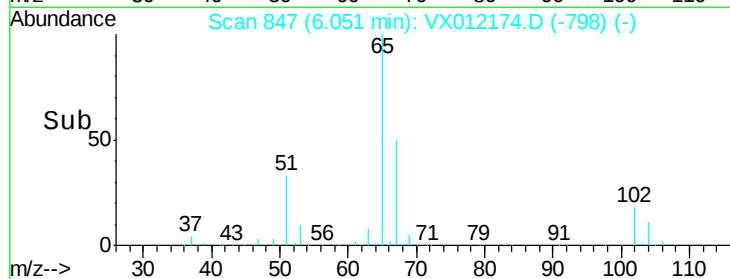
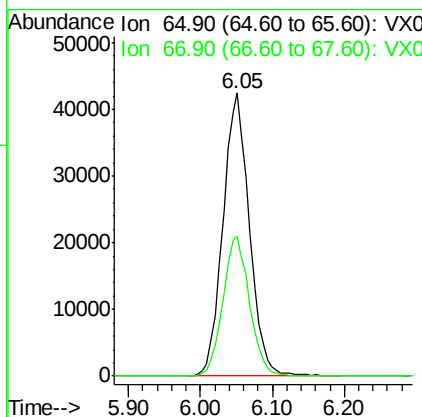
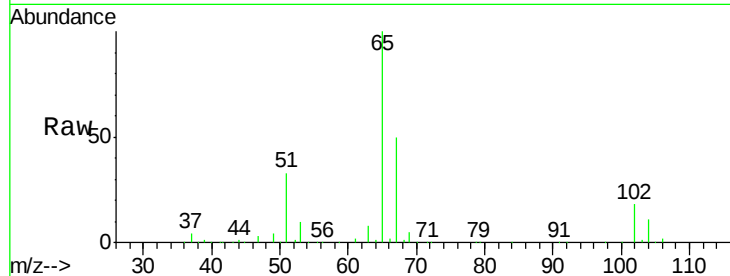




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.283 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.00 min  
 Lab File: VX012174.D  
 Acq: 07 Sep 2019 14:15

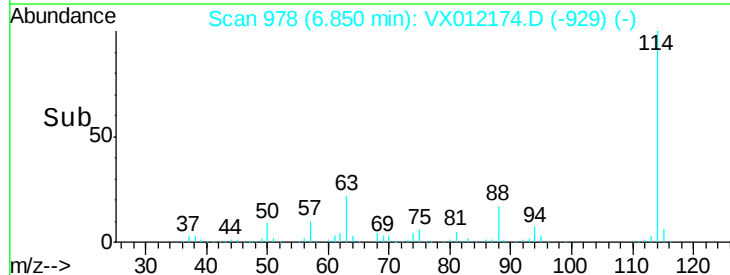
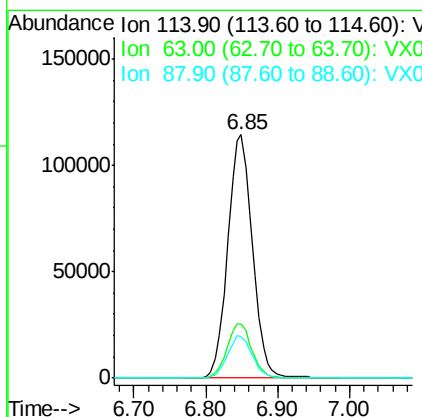
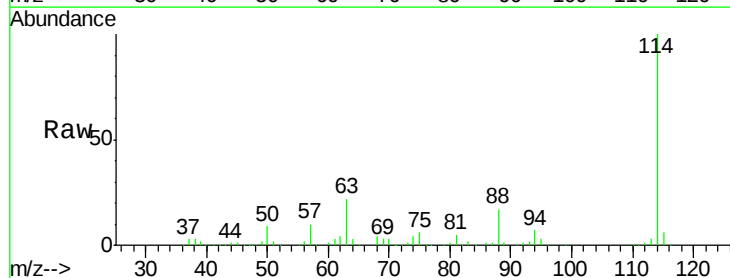
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T12-G3-(0)

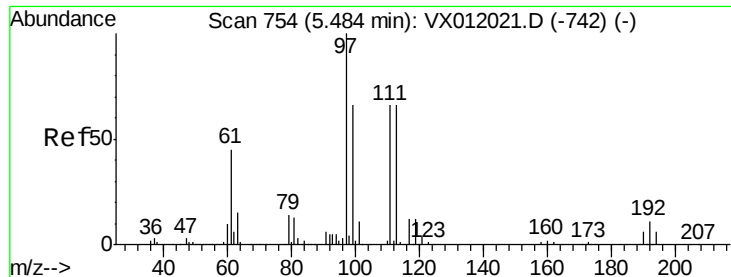
Tot Ion: 65 Resp: 108403  
 Ion Ratio Lower Upper  
 65 100  
 67 49.7 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX012174.D  
 Acq: 07 Sep 2019 14:15

Tgt Ion: 114 Resp: 272944  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 37.4  
 88 17.0 0.0 29.6

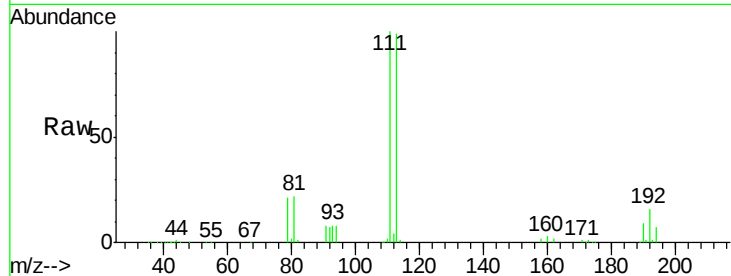




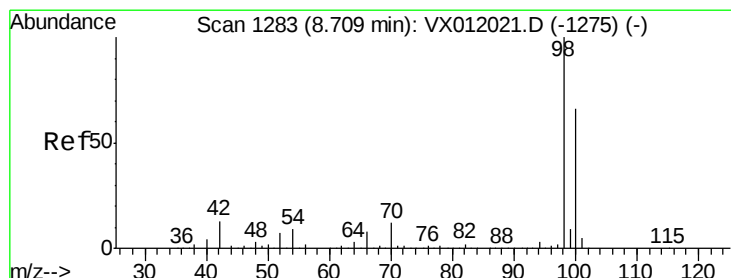
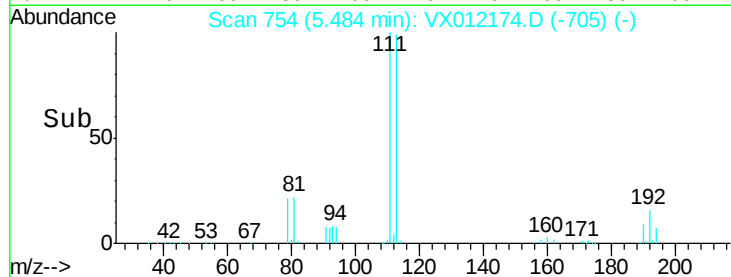
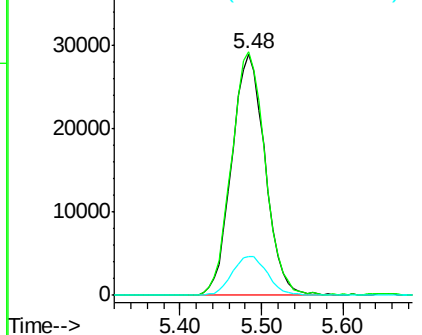
#35  
 Dibromofluoromethane  
 Concen: 48.893 ug/l  
 RT: 5.48 min Scan# 754  
 Delta R.T. -0.00 min  
 Lab File: VX012174.D  
 Acq: 07 Sep 2019 14:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T12-G3-(0)

Tot Ion:113 Resp: 82069  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 81.7 122.5  
 192 17.1 22.5 33.7#

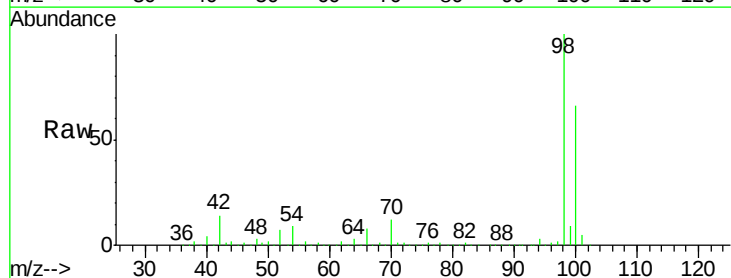


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

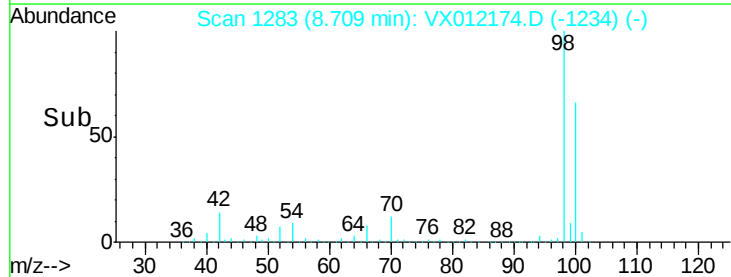
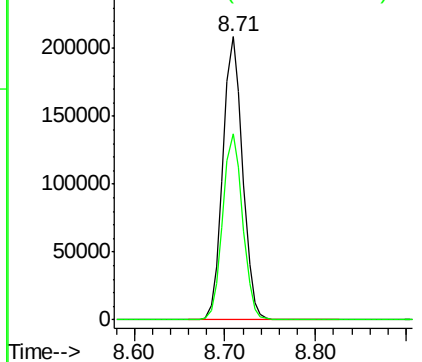


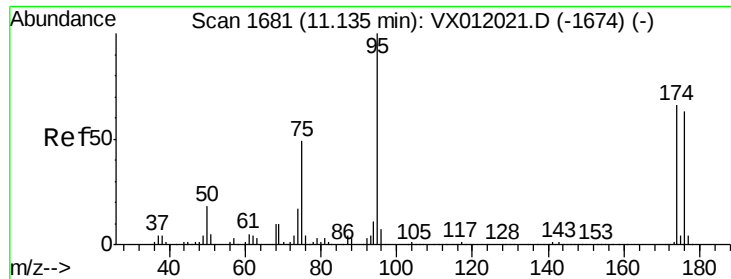
#50  
 Toluene-d8  
 Concen: 51.642 ug/l  
 RT: 8.71 min Scan# 1283  
 Delta R.T. -0.00 min  
 Lab File: VX012174.D  
 Acq: 07 Sep 2019 14:15

Tgt Ion: 98 Resp: 318083  
 Ion Ratio Lower Upper  
 98 100  
 100 66.3 53.3 79.9



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

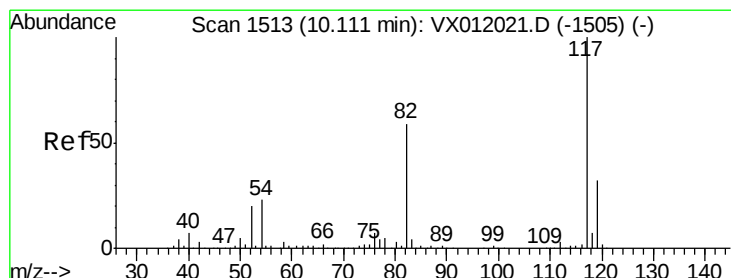
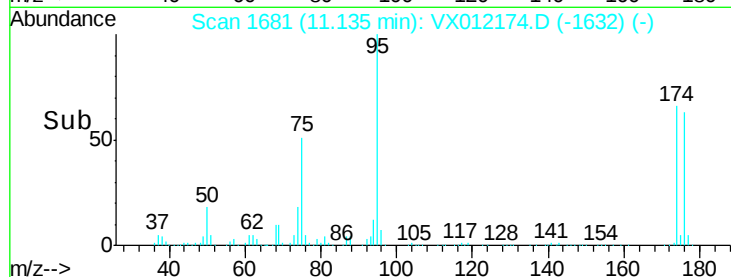
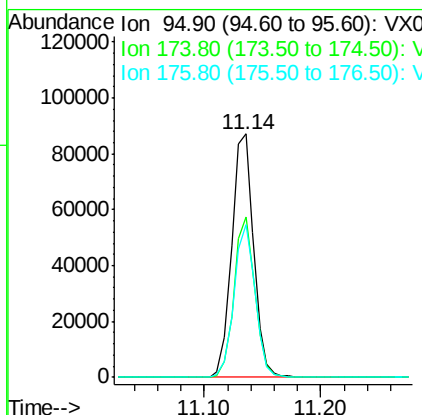
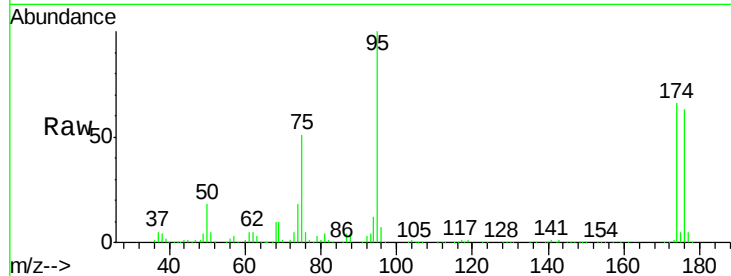




#62  
4-Bromofluorobenzene  
Concen: 39.902 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VX012174.D  
Acq: 07 Sep 2019 14:15

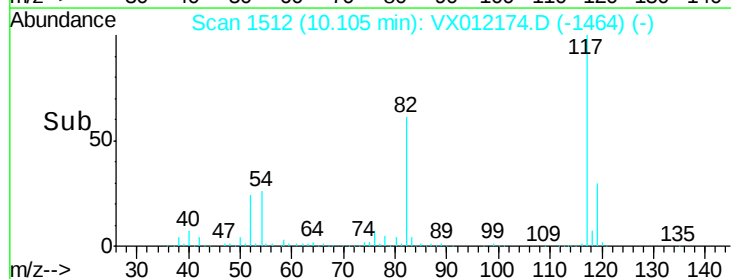
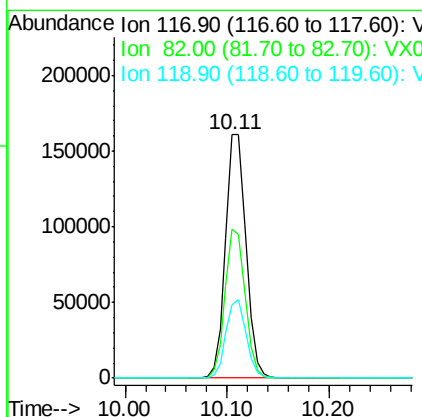
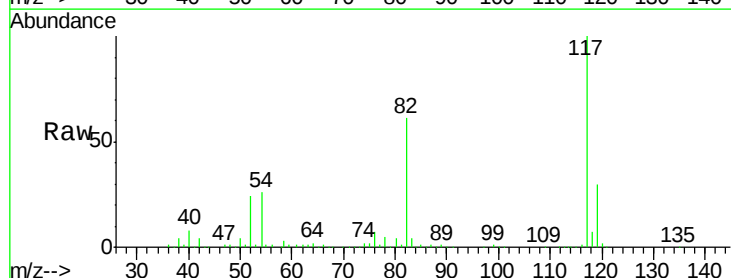
Instrument :  
MSVOA\_X  
ClientSampleId :  
T12-G3-(0)

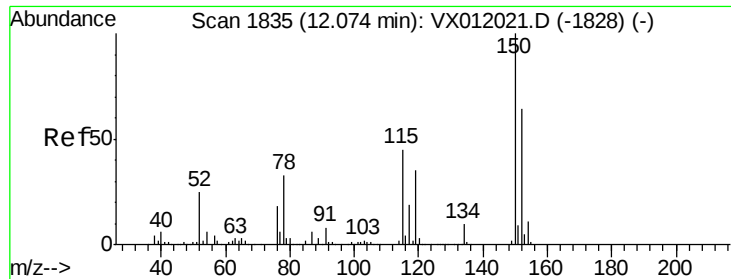
| Tot Ion   | 95  | Resp | 114299 |
|-----------|-----|------|--------|
| Ion Ratio | 100 |      |        |
| Lower     |     | 0.0  | 205.4  |
| Upper     |     | 0.0  | 201.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX012174.D  
Acq: 07 Sep 2019 14:15

| Tgt Ion   | 117 | Resp | 224686 |
|-----------|-----|------|--------|
| Ion Ratio | 100 |      |        |
| Lower     |     | 39.4 | 59.0#  |
| Upper     |     | 26.1 | 39.1   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012174.D

Acq: 07 Sep 2019 14:15

Instrument :

MSVOA\_X

ClientSampleId :

T12-G3-(0)

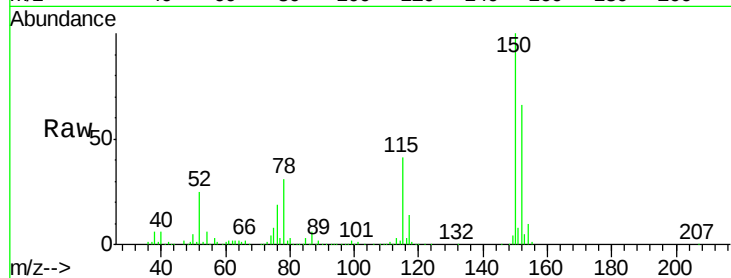
Tot Ion:152 Resp: 82581

Ion Ratio Lower Upper

152 100

115 66.2 36.4 109.3

150 156.9 0.0 341.2



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

