

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\  
 Data File : VX012336.D  
 Acq On : 12 Sep 2019 07:54  
 Operator : SY/SP  
 Sample : K4789-08  
 Misc : 6.74g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RT3407

Quant Time: Sep 12 08:52:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 12:55:26 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 157583   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 262356   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 235412   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 107730   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 109546   | 49.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.34%  |      |
| 35) Dibromofluoromethane    | 5.48   | 113 | 78811    | 46.86 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.72%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 313662   | 53.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.34% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 124527   | 45.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.08%  |      |

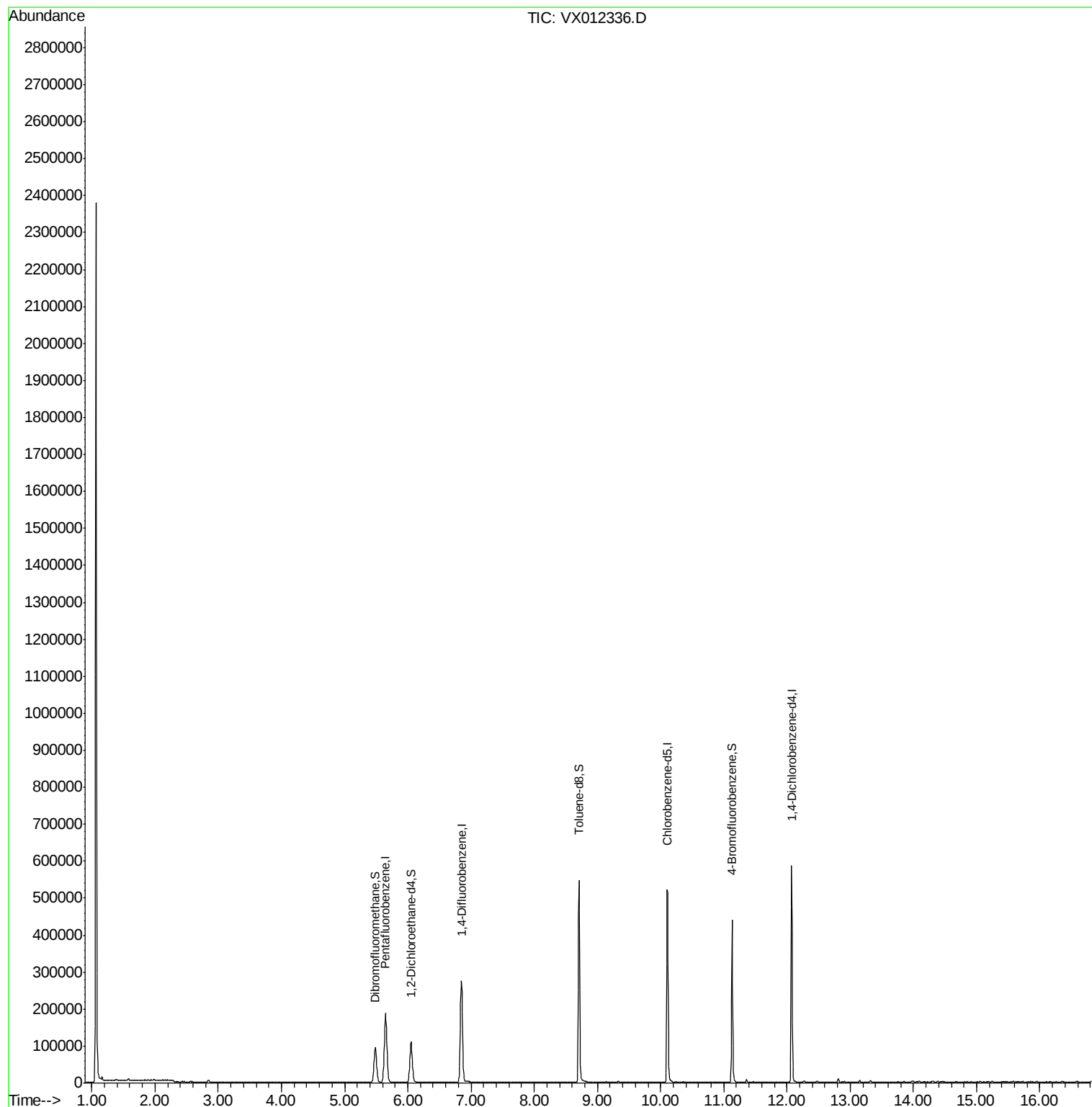
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

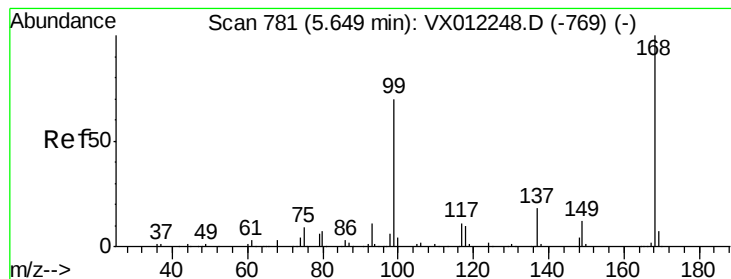
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 12:55:26 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012336.D

Acq: 12 Sep 2019 07:54

Instrument :

MSVOA\_X

ClientSampleId :

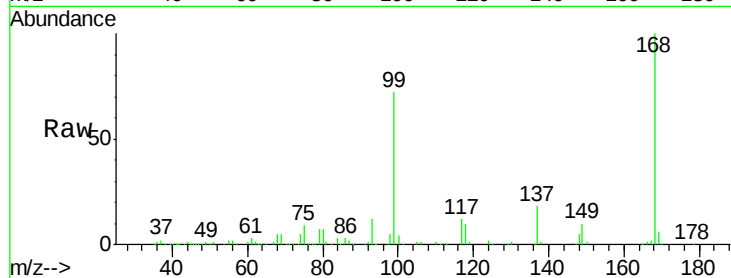
RT3407

Tot Ion:168 Resp: 157583

Ion Ratio Lower Upper

168 100

99 71.7 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

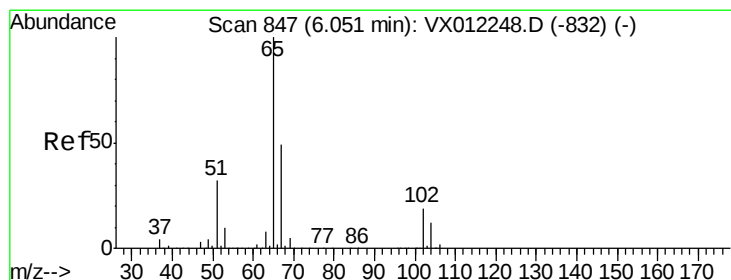
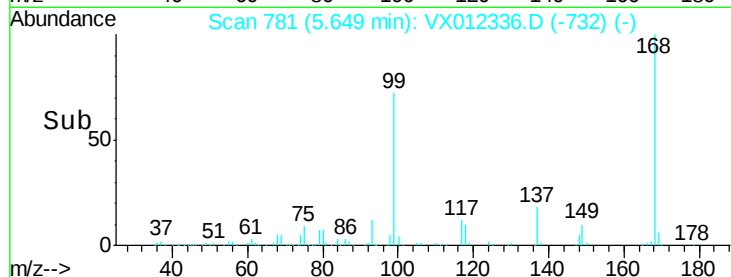
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.170 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012336.D

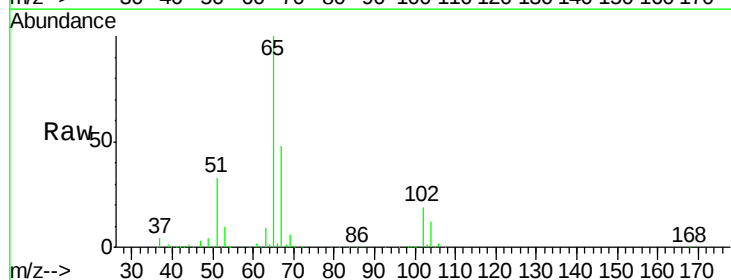
Acq: 12 Sep 2019 07:54

Tgt Ion: 65 Resp: 109546

Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

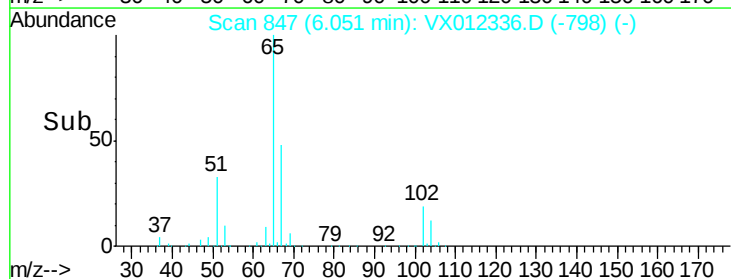
30000

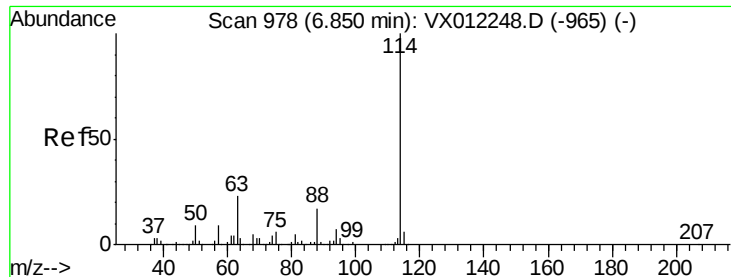
20000

10000

0

Time--> 5.90 6.00 6.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012336.D

Acq: 12 Sep 2019 07:54

Instrument :

MSVOA\_X

ClientSampled :

RT3407

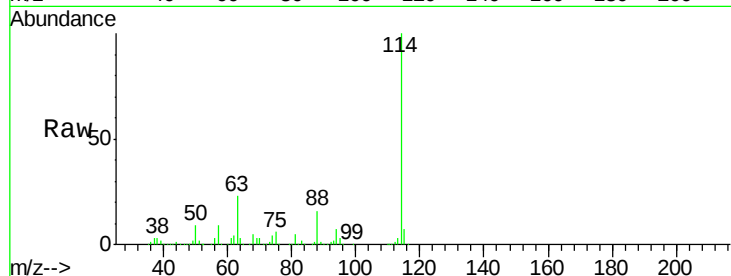
Tot Ion:114 Resp: 262356

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

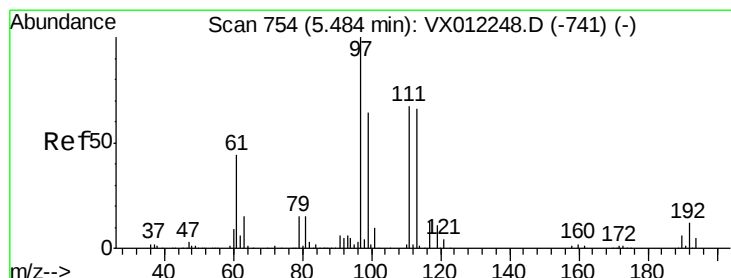
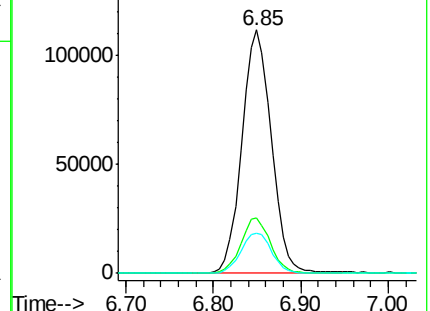
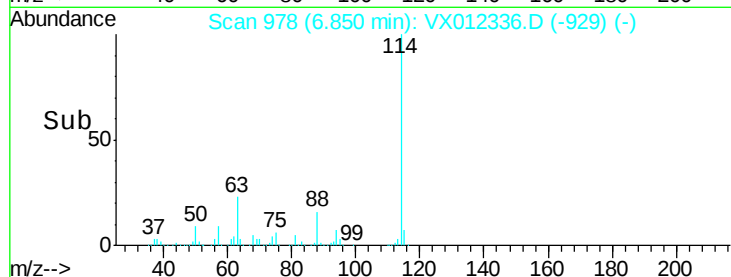
88 16.4 0.0 34.8



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: 46.860 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012336.D

Acq: 12 Sep 2019 07:54

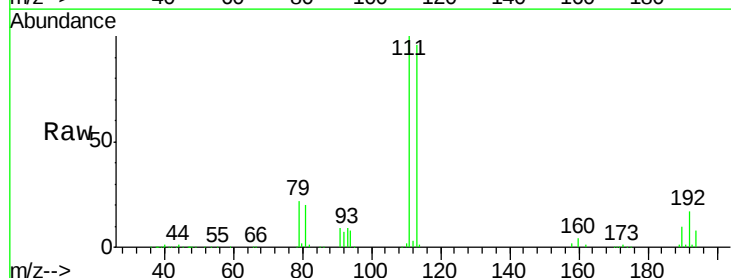
Tgt Ion:113 Resp: 78811

Ion Ratio Lower Upper

113 100

111 104.9 83.0 124.6

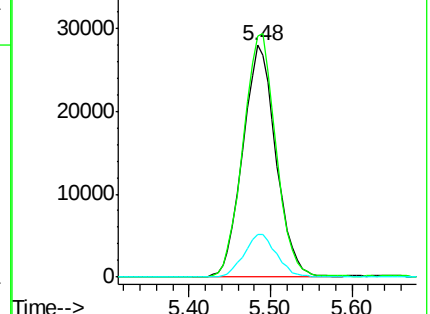
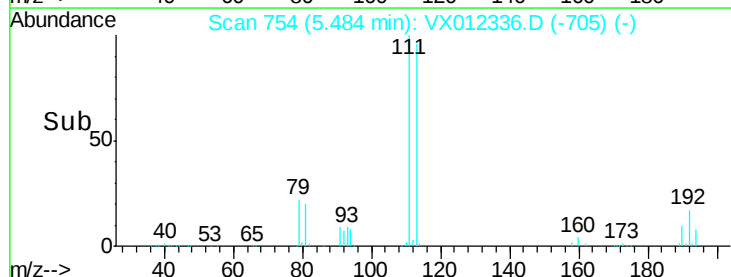
192 18.1 14.3 21.5

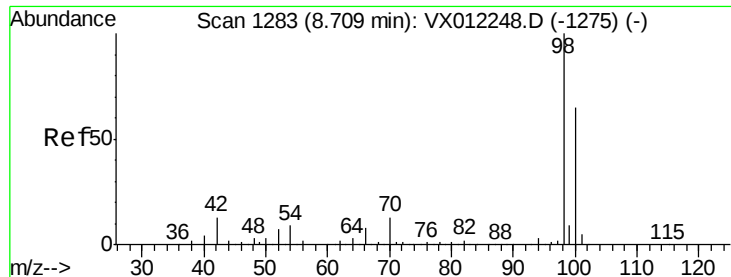


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

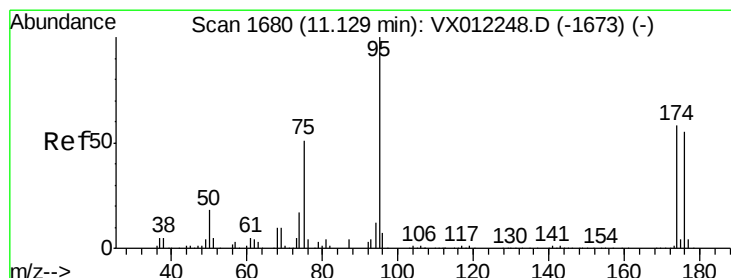
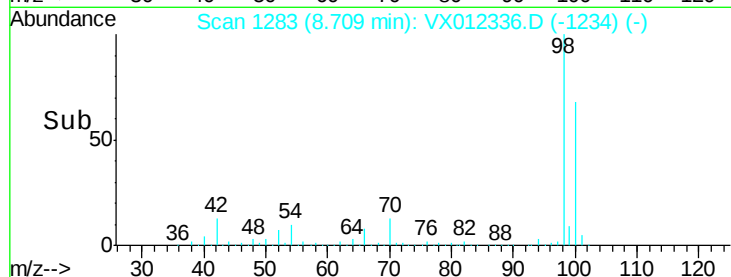
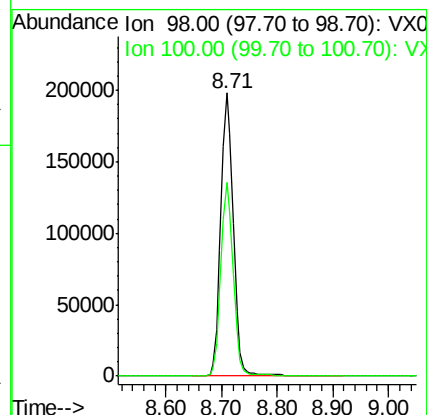
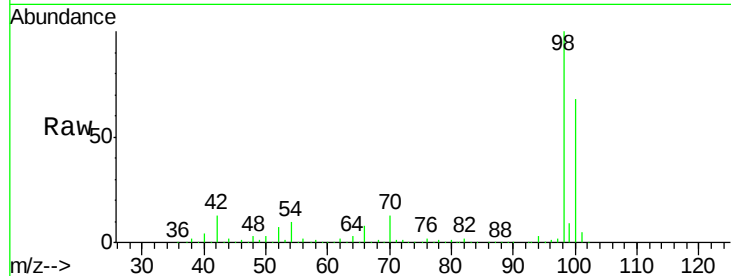




#50  
Toluene-d8  
Concen: 53.174 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012336.D  
Acq: 12 Sep 2019 07:54

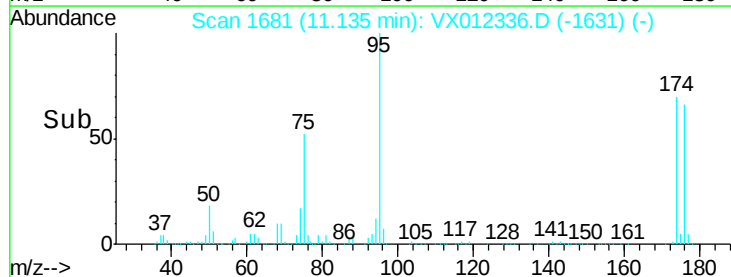
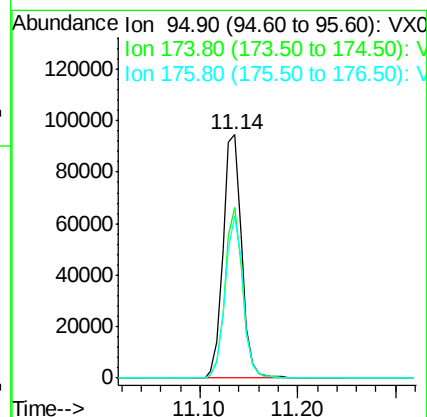
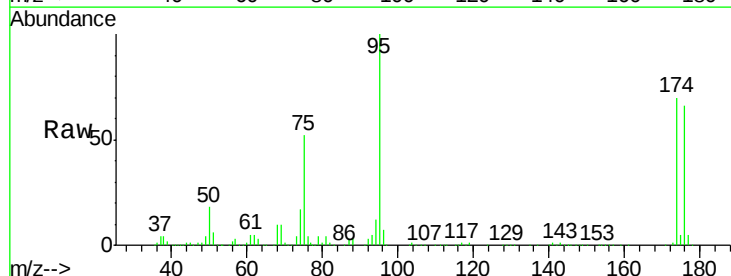
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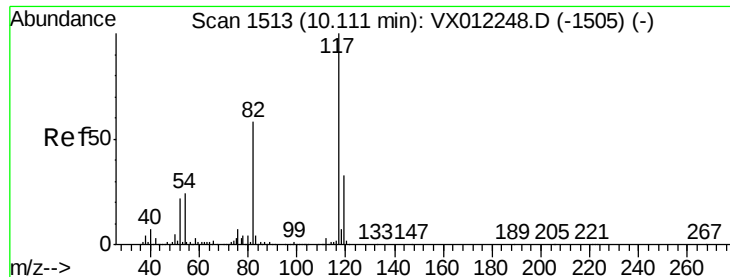
Tot Ion: 98 Resp: 313662  
Ion Ratio Lower Upper  
98 100  
100 67.6 54.1 81.1



#62  
4-Bromofluorobenzene  
Concen: 45.537 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VX012336.D  
Acq: 12 Sep 2019 07:54

Tgt Ion: 95 Resp: 124527  
Ion Ratio Lower Upper  
95 100  
174 66.7 0.0 127.0  
176 64.7 0.0 125.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012336.D

Acq: 12 Sep 2019 07:54

Instrument :

MSVOA\_X

ClientSampleId :

RT3407

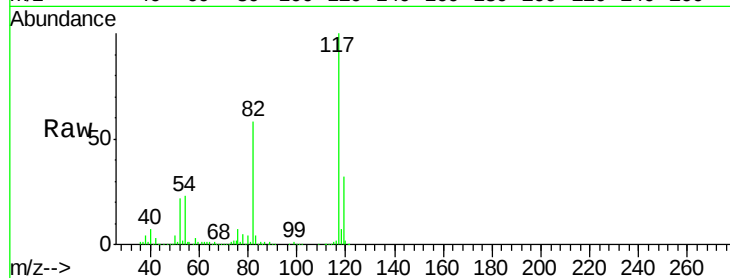
Tot Ion:117 Resp: 235412

Ion Ratio Lower Upper

117 100

82 58.0 46.4 69.6

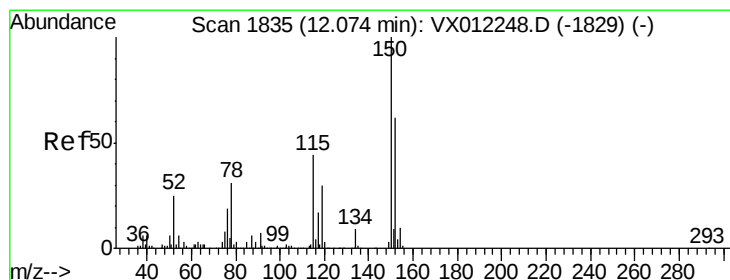
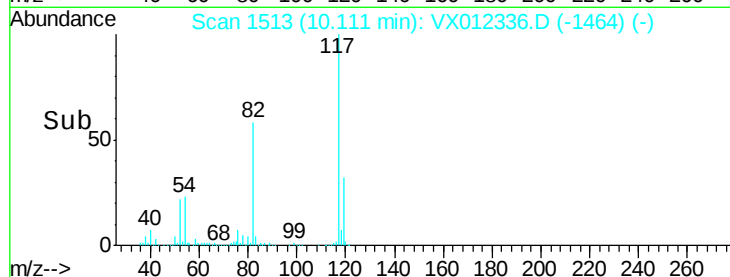
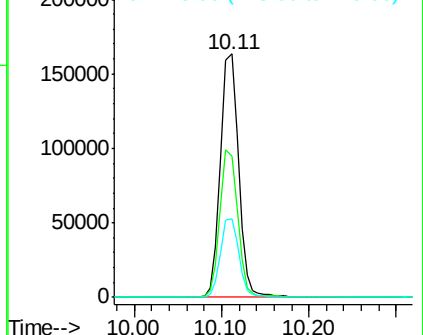
119 32.0 26.6 39.8



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012336.D

Acq: 12 Sep 2019 07:54

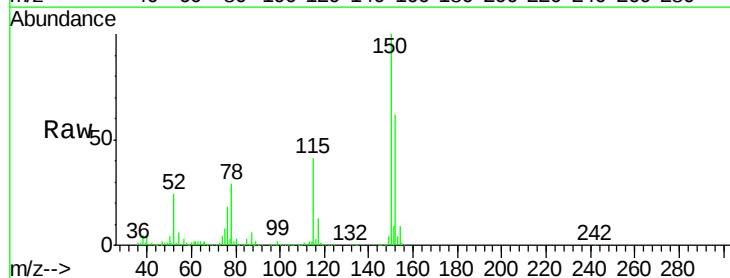
Tgt Ion:152 Resp: 107730

Ion Ratio Lower Upper

152 100

115 65.6 45.5 136.4

150 158.8 0.0 346.4



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

