

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020819\  
 Data File : VF061564.D  
 Acq On : 8 Feb 2019 18:16  
 Operator : VA/AP  
 Sample : K1442-02  
 Misc : 5.31g/5mL/MSVOA-F/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VOC-11

Quant Time: Feb 09 04:49:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F011519S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 04:51:59 2019  
 Response via : Initial Calibration

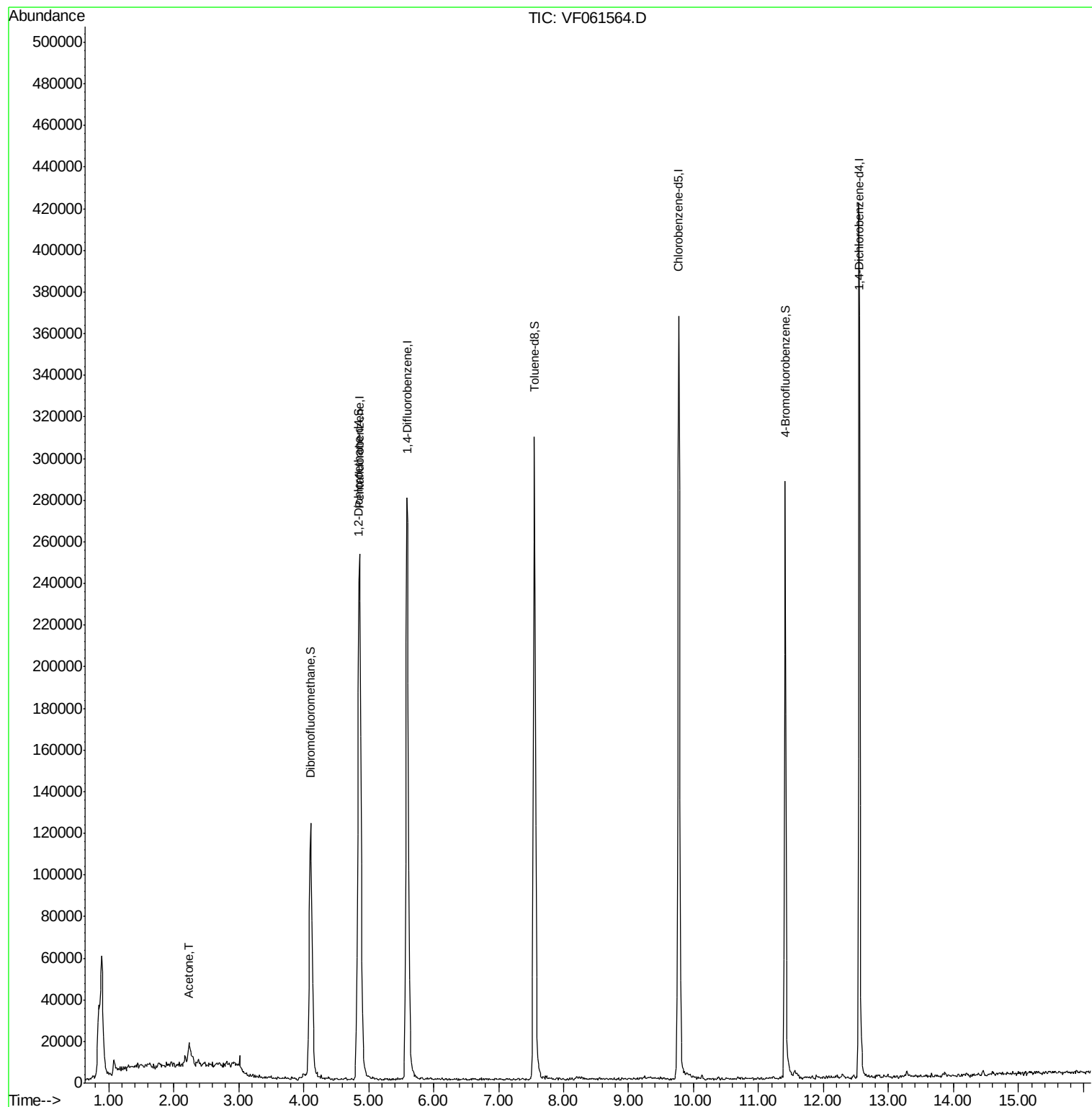
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 4.87  | 168  | 184422   | 50.00  | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.60  | 114  | 315376   | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 9.77  | 117  | 256697   | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.55 | 152  | 108827   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 4.84  | 65   | 105003   | 46.12  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.24% |           |
| 35) Dibromofluoromethane    | 4.11  | 113  | 119543   | 48.04  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.08% |           |
| 50) Toluene-d8              | 7.55  | 98   | 254887   | 37.38  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 74.76% |           |
| 62) 4-Bromofluorobenzene    | 11.41 | 95   | 109691   | 34.43  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 68.86% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 2.24  | 43   | 19723    | 43.179 | ug/l   | Qvalue 98 |

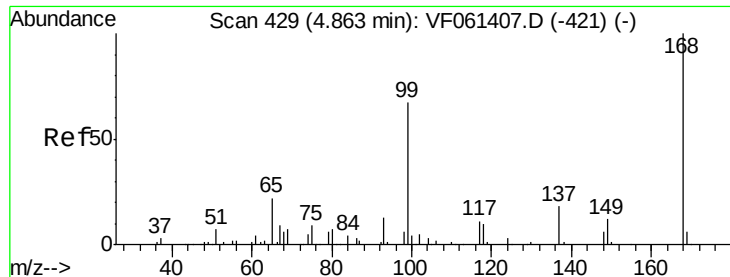
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jan 16 04:51:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061564.D

Acq: 8 Feb 2019 18:16

Instrument :

MSVOA\_F

ClientSampleId :

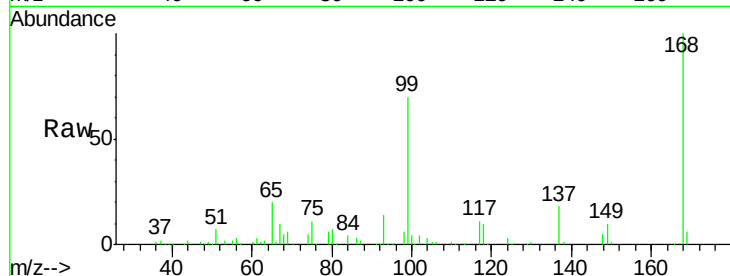
VOC-11

Tot Ion:168 Resp: 184422

Ion Ratio Lower Upper

168 100

99 69.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

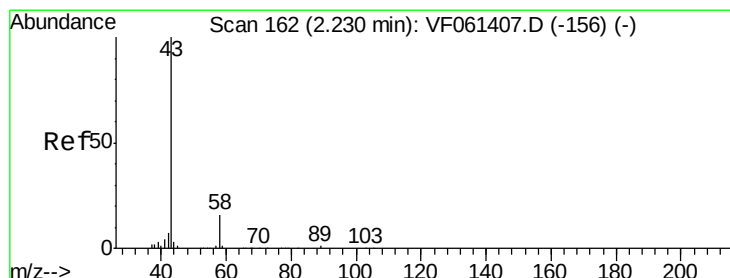
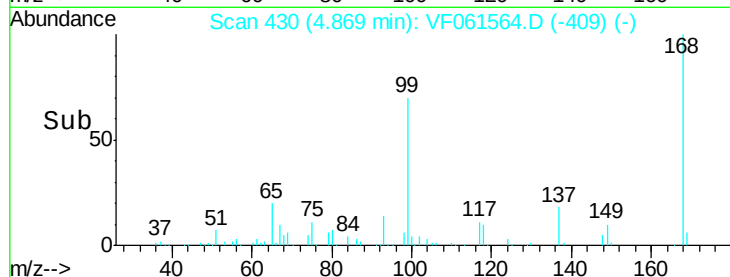
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 43.179 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061564.D

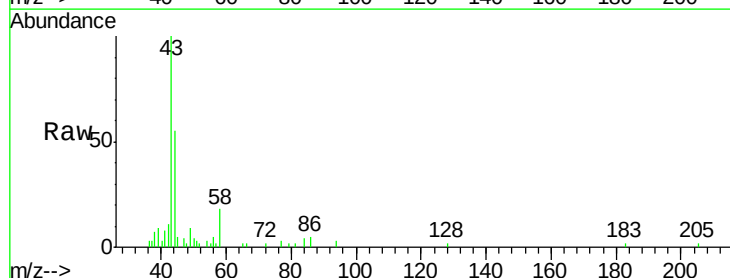
Acq: 8 Feb 2019 18:16

Tgt Ion: 43 Resp: 19723

Ion Ratio Lower Upper

43 100

58 17.5 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

8000

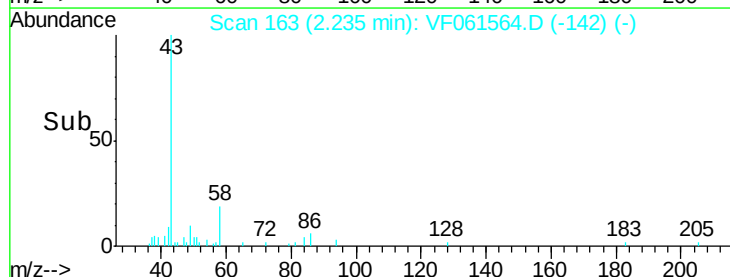
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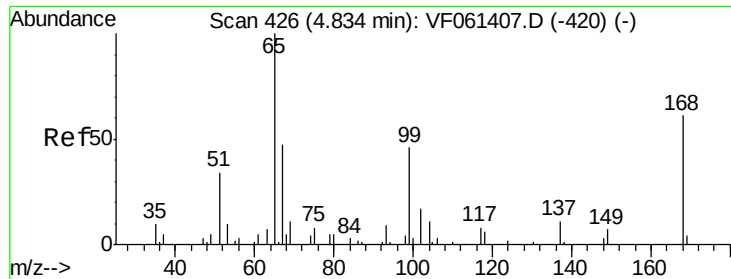
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.116 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061564.D

Acq: 8 Feb 2019 18:16

Instrument :

MSVOA\_F

ClientSampled :

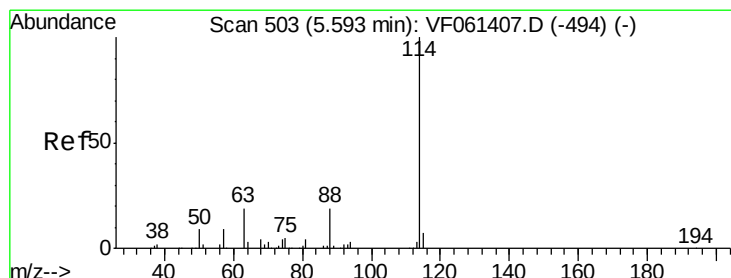
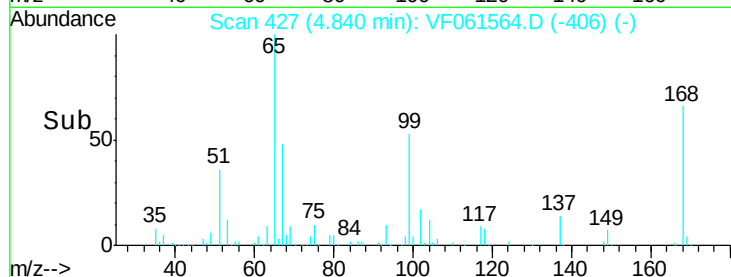
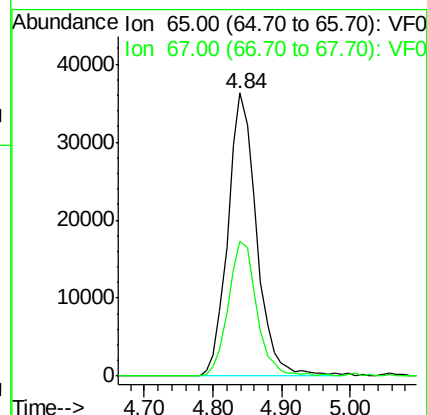
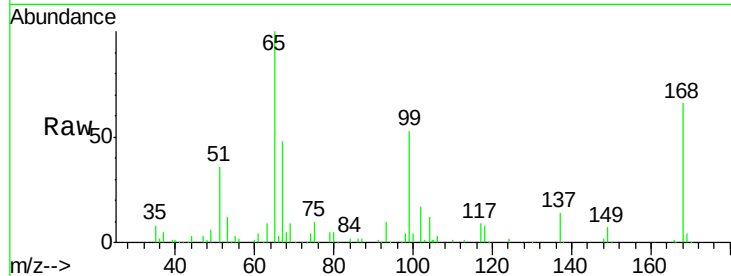
VOC-11

Tot Ion: 65 Resp: 105003

Ion Ratio Lower Upper

65 100

67 47.6 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061564.D

Acq: 8 Feb 2019 18:16

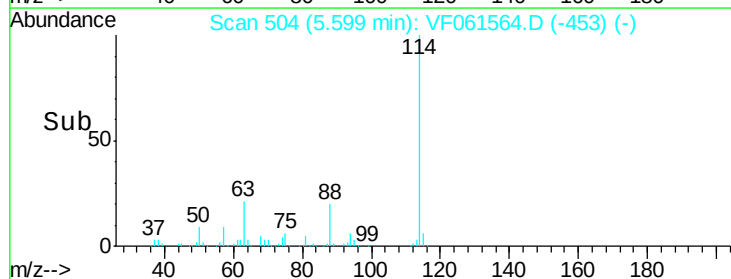
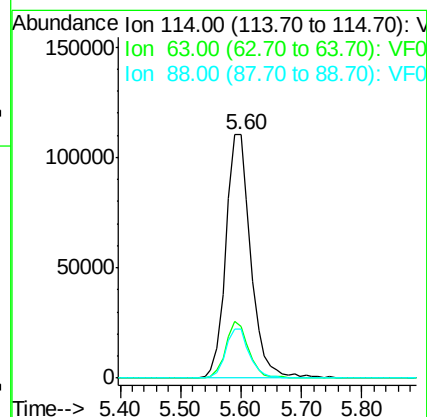
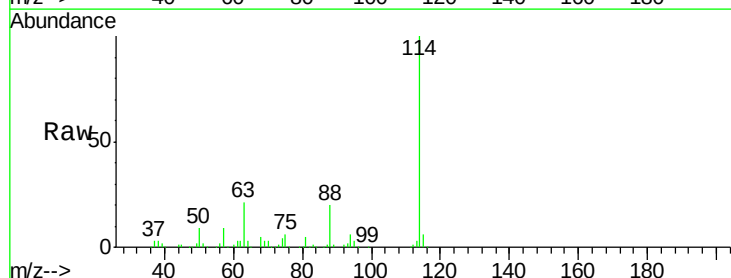
Tgt Ion: 114 Resp: 315376

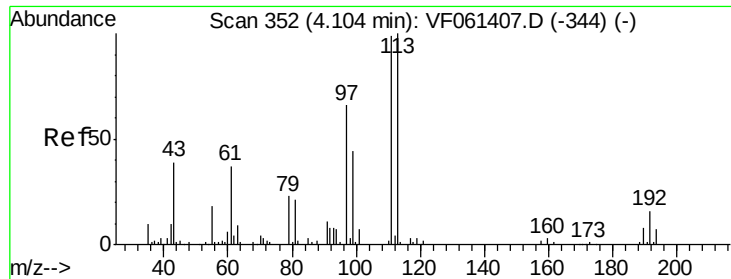
Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

88 20.2 0.0 37.4

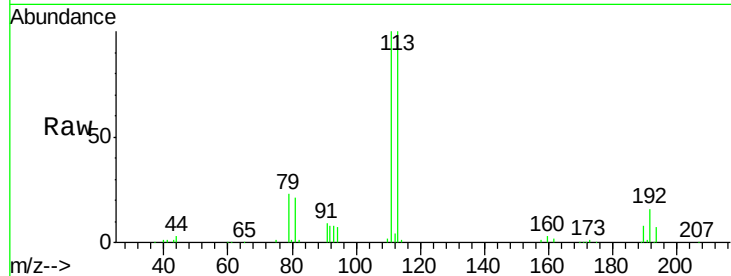




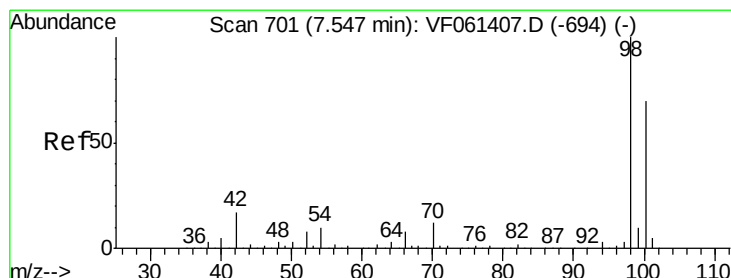
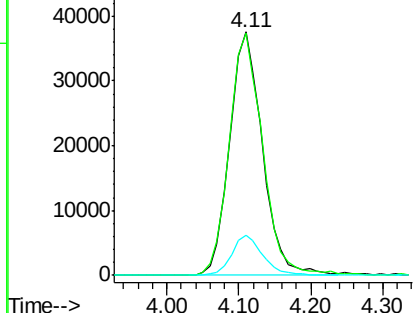
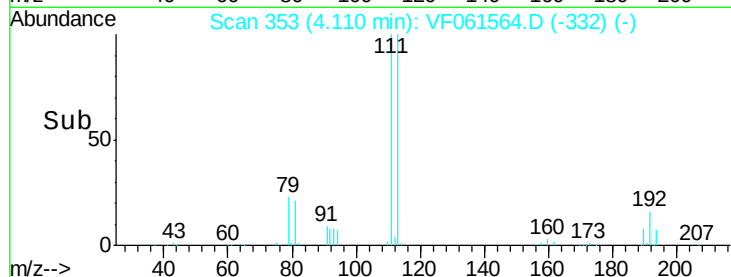
#35  
 Dibromofluoromethane  
 Concen: 48.036 ug/l  
 RT: 4.11 min Scan# 353  
 Delta R.T. 0.01 min  
 Lab File: VF061564.D  
 Acq: 8 Feb 2019 18:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VOC-11

Tot Ion:113 Resp: 119543  
 Ion Ratio Lower Upper  
 113 100  
 111 99.8 79.4 119.0  
 192 16.4 12.4 18.6

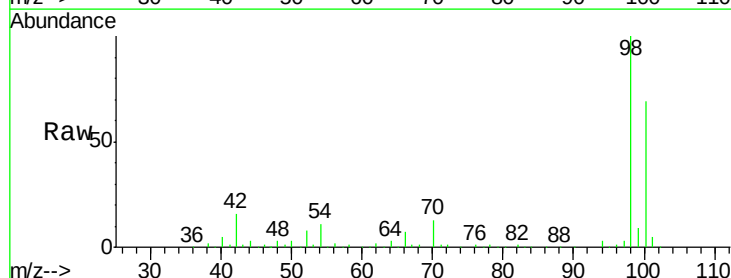


Abundance Ion 113.00 (112.70 to 113.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 192.00 (191.70 to 192.70): V

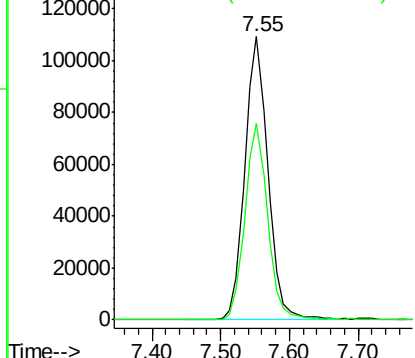
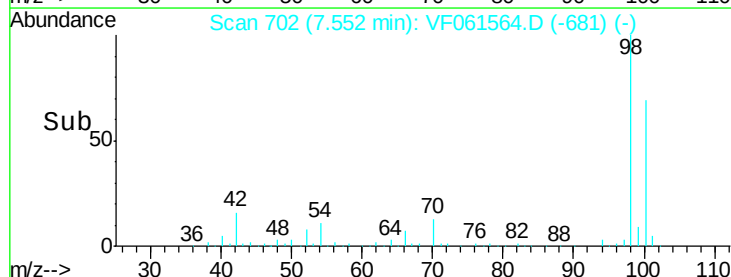


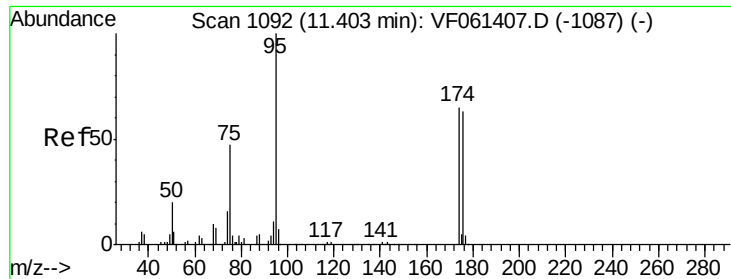
#50  
 Toluene-d8  
 Concen: 37.383 ug/l  
 RT: 7.55 min Scan# 702  
 Delta R.T. 0.01 min  
 Lab File: VF061564.D  
 Acq: 8 Feb 2019 18:16

Tgt Ion: 98 Resp: 254887  
 Ion Ratio Lower Upper  
 98 100  
 100 69.4 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0  
 Ion 100.00 (99.70 to 100.70): VF0

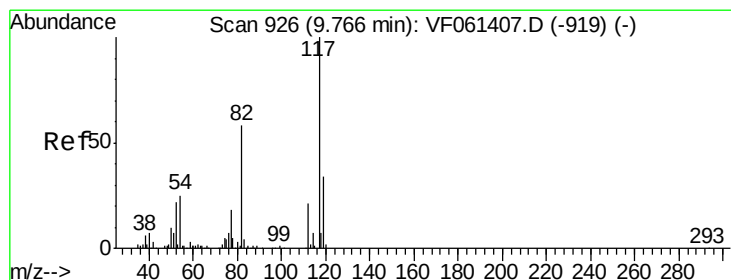
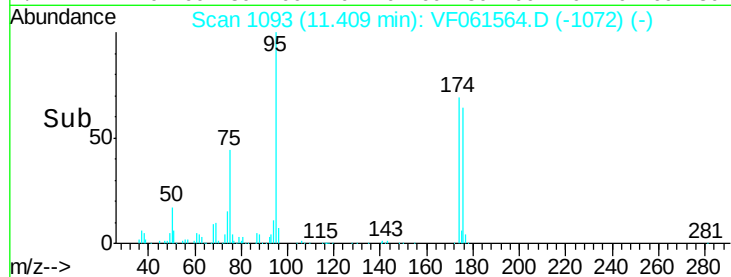
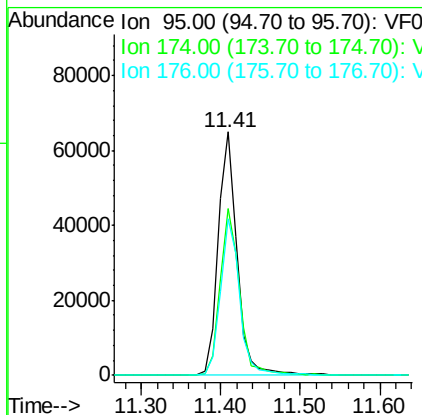
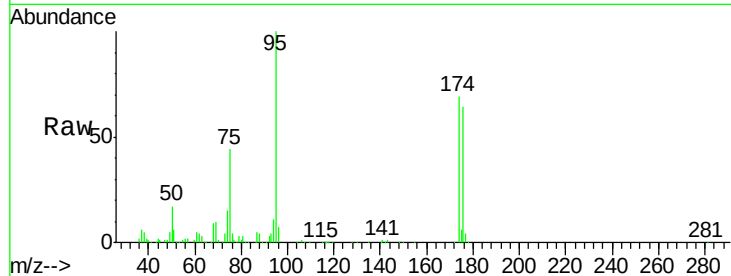




#62  
4-Bromofluorobenzene  
Concen: 34.432 ug/l  
RT: 11.41 min Scan# 1093  
Delta R.T. 0.01 min  
Lab File: VF061564.D  
Acq: 8 Feb 2019 18:16

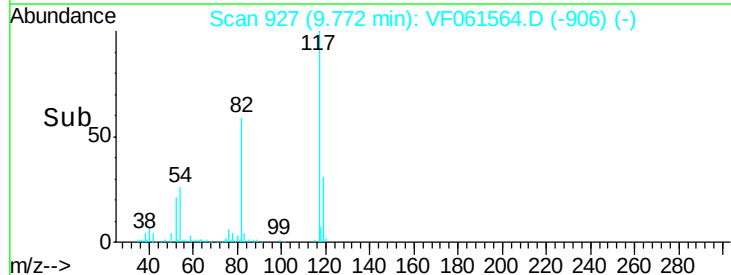
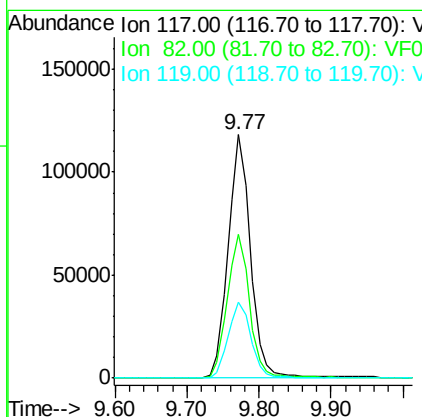
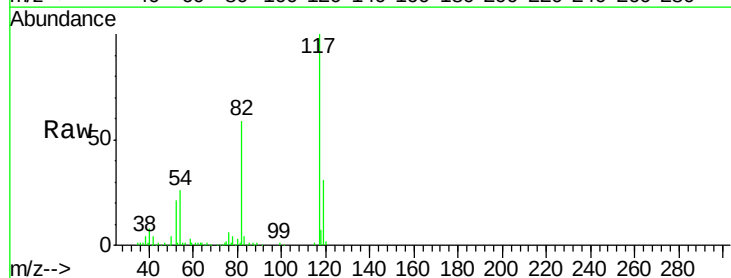
Instrument :  
MSVOA\_F  
ClientSampled :  
VOC-11

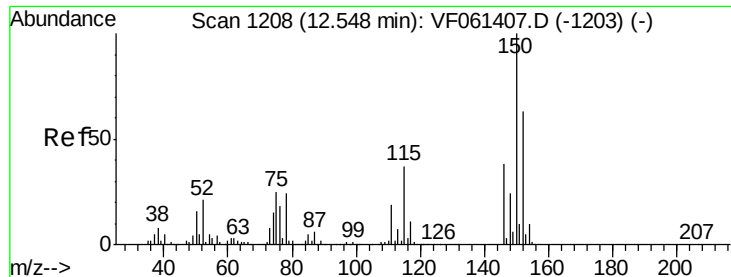
Tot Ion: 95 Resp: 109691  
Ion Ratio Lower Upper  
95 100  
174 68.5 0.0 130.4  
176 64.5 0.0 126.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.77 min Scan# 927  
Delta R.T. 0.01 min  
Lab File: VF061564.D  
Acq: 8 Feb 2019 18:16

Tgt Ion: 117 Resp: 256697  
Ion Ratio Lower Upper  
117 100  
82 59.0 46.4 69.6  
119 31.3 27.2 40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061564.D

Acq: 8 Feb 2019 18:16

Instrument :

MSVOA\_F

ClientSampleId :

VOC-11

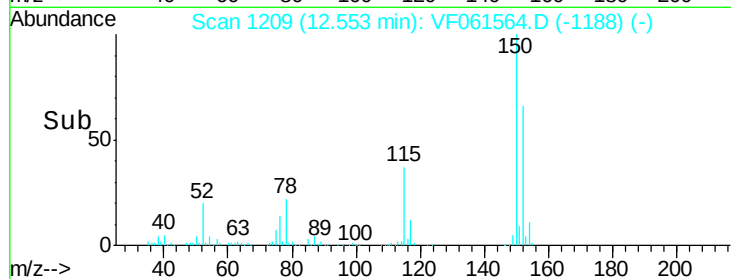
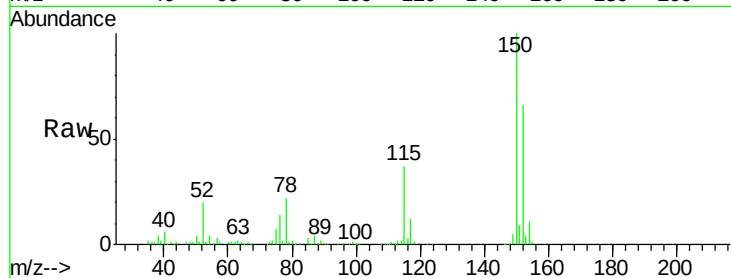
Tot Ion:152 Resp: 108827

Ion Ratio Lower Upper

152 100

115 56.3 30.0 90.0

150 151.0 0.0 321.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

