

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\  
 Data File : VF062099.D  
 Acq On : 23 Mar 2019 1:32  
 Operator : VA/AP  
 Sample : K2050-04  
 Misc : 5.14g/5mL/MSVOA-F/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CS-2

Quant Time: Mar 23 06:34:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F032219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 01:16:37 2019  
 Response via : Initial Calibration

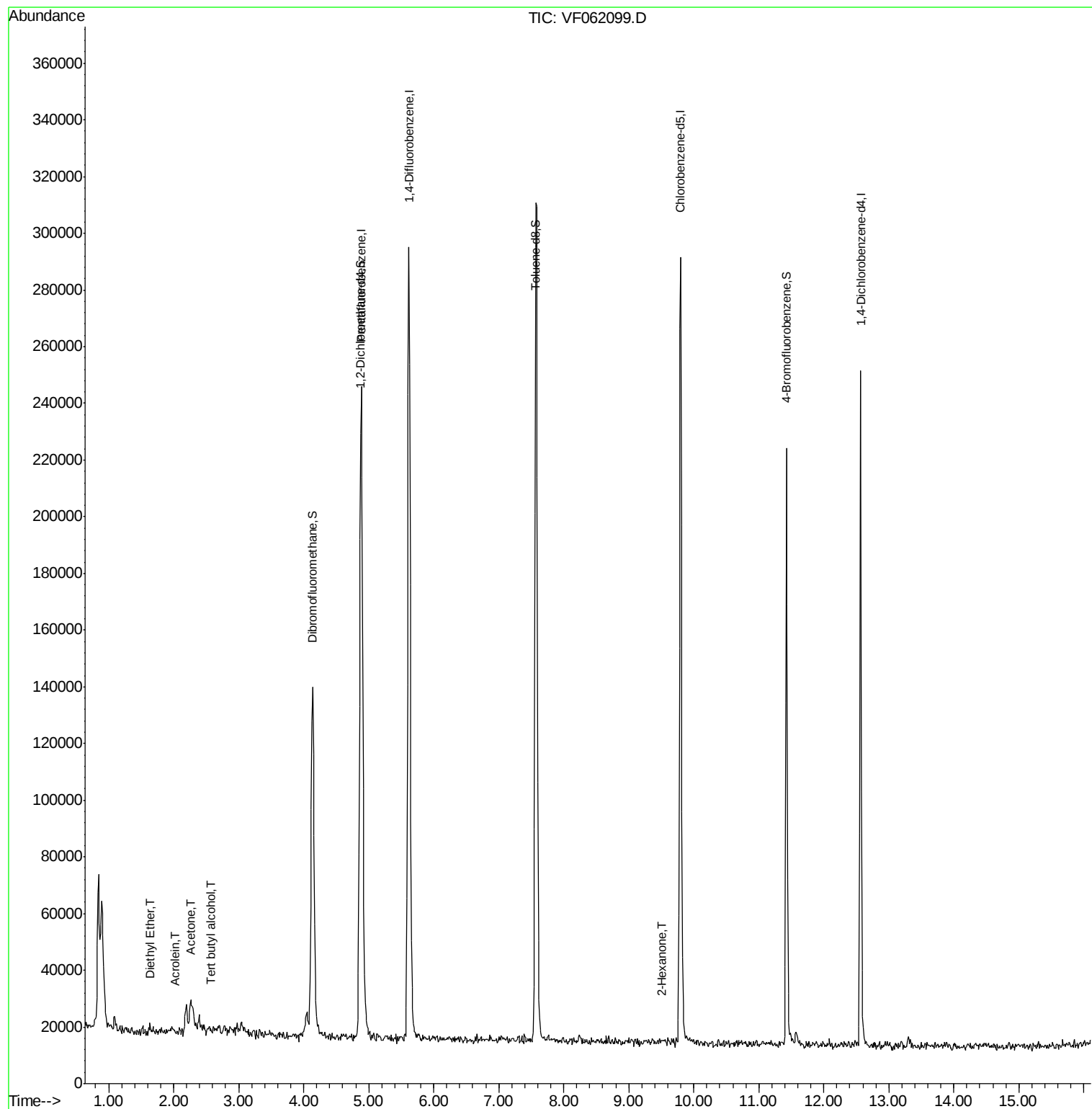
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene       | 4.90  | 168  | 209143   | 50.00     | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 5.62  | 114  | 339804   | 50.00     | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 9.80  | 117  | 226291   | 50.00     | ug/l    | -0.01    |
| 72) 1,4-Dichlorobenzene-d4  | 12.57 | 152  | 74208    | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4   | 4.87  | 65   | 85442    | 54.92     | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =         | 109.84% |          |
| 35) Dibromofluoromethane    | 4.14  | 113  | 122573   | 53.32     | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =         | 106.64% |          |
| 50) Toluene-d8              | 7.58  | 98   | 280839   | 40.93     | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =         | 81.86%  |          |
| 62) 4-Bromofluorobenzene    | 11.43 | 95   | 84217    | 31.79     | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =         | 63.58%  |          |
| Target Compounds            |       |      |          |           |         |          |
| 8) Diethyl Ether            | 1.64  | 74   | 795      | 1.111     | ug/l    | 64       |
| 11) Tert butyl alcohol      | 2.58  | 59   | 240      | 2.804     | ug/l #  | 66       |
| 13) Acrolein                | 2.03  | 56   | 317      | 3.080     | ug/l #  | 33       |
| 16) Acetone                 | 2.26  | 43   | 4375     | 13.363    | ug/l #  | 76       |
| 20) Methylene Chloride      | 2.20  | 84   | 4937     | Below Cal | #       | 89       |
| 59) 2-Hexanone              | 9.51  | 43   | 909      | 1.082     | ug/l    | 88       |

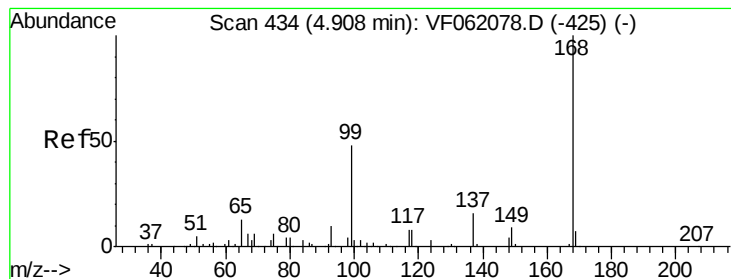
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F032219S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 23 01:16:37 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF062099.D

Acq: 23 Mar 2019 1:32

Instrument :

MSVOA\_F

ClientSampleId :

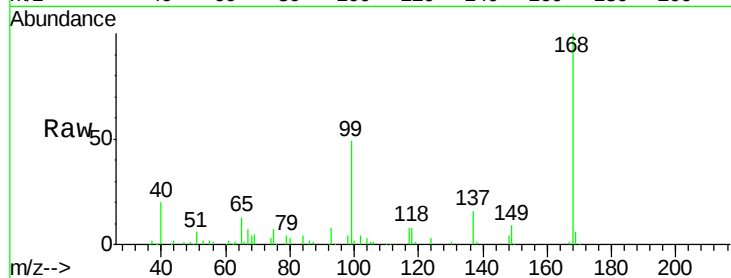
CS-2

Tot Ion:168 Resp: 209143

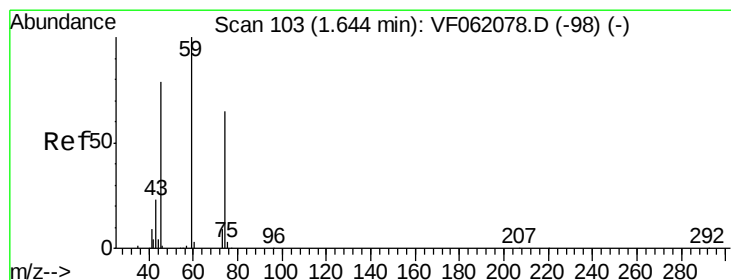
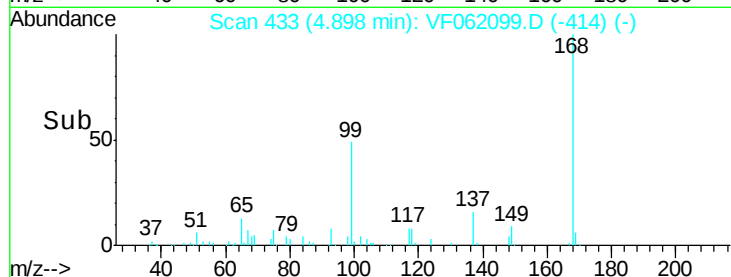
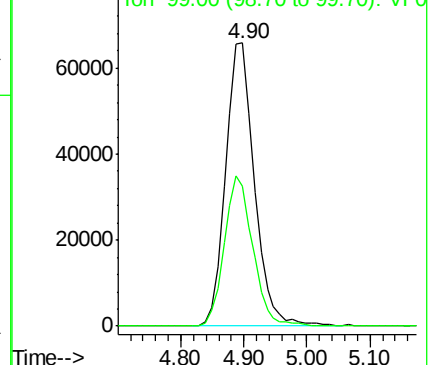
Ion Ratio Lower Upper

168 100

99 49.3 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.111 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF062099.D

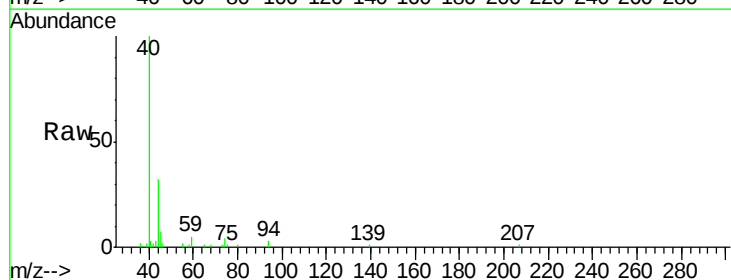
Acq: 23 Mar 2019 1:32

Tgt Ion: 74 Resp: 795

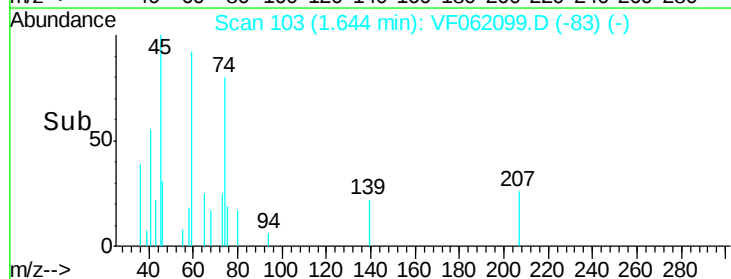
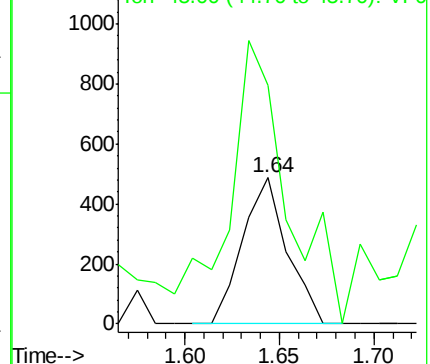
Ion Ratio Lower Upper

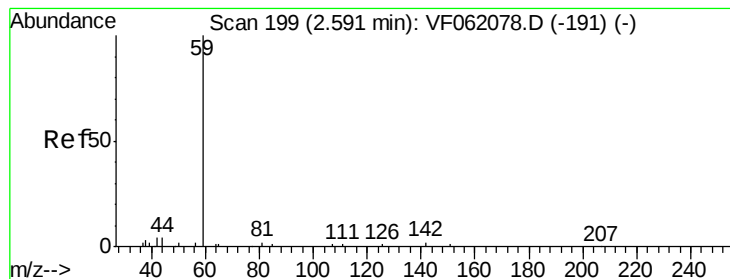
74 100

45 163.7 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0



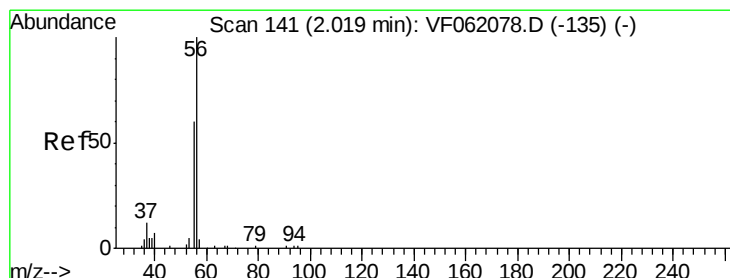
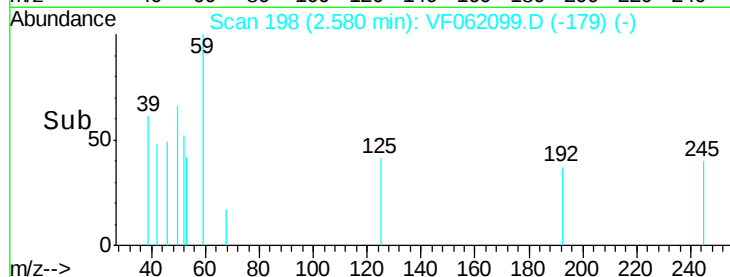
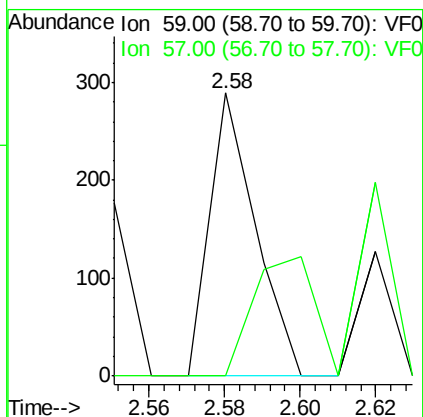
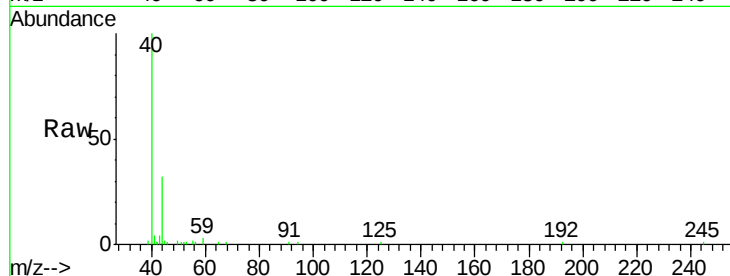


#11

Tert butyl alcohol  
Concen: 2.804 ug/l  
RT: 2.58 min Scan# 198  
Delta R.T. -0.01 min  
Lab File: VF062099.D  
Acq: 23 Mar 2019 1:32

Instrument :  
MSVOA\_F  
ClientSampled :  
CS-2

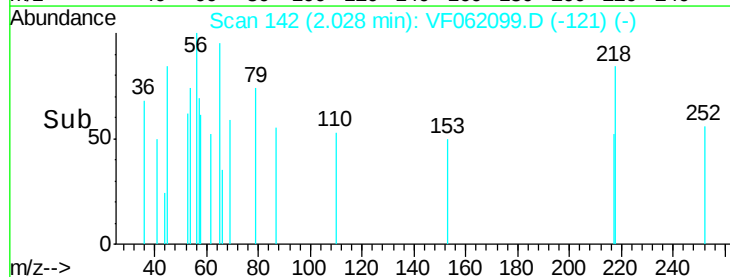
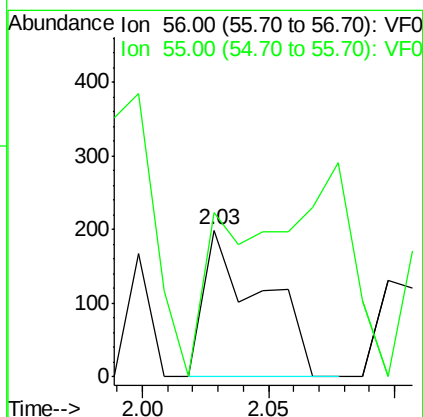
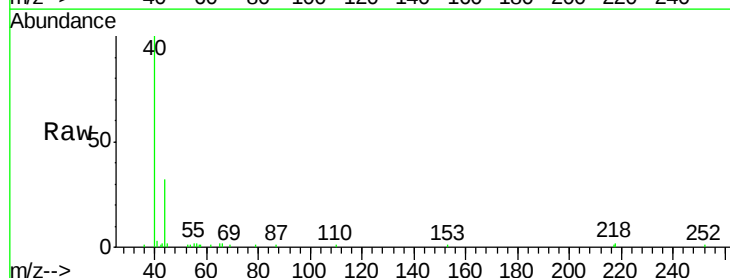
Tot Ion: 59 Resp: 240  
Ion Ratio Lower Upper  
59 100  
57 0.0 11.0 16.4#

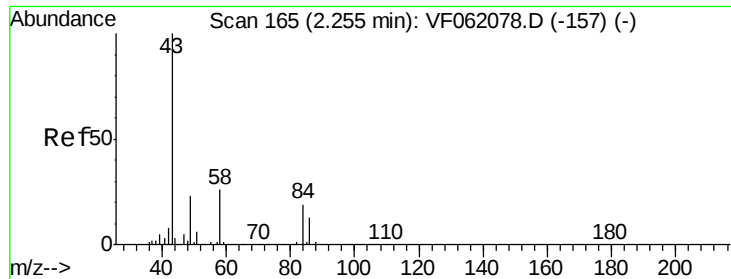


#13

Acrolein  
Concen: 3.080 ug/l  
RT: 2.03 min Scan# 142  
Delta R.T. 0.01 min  
Lab File: VF062099.D  
Acq: 23 Mar 2019 1:32

Tgt Ion: 56 Resp: 317  
Ion Ratio Lower Upper  
56 100  
55 112.1 49.0 73.4#





#16

Acetone

Concen: 13.363 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF062099.D

Acq: 23 Mar 2019 1:32

Instrument :

MSVOA\_F

ClientSampleId :

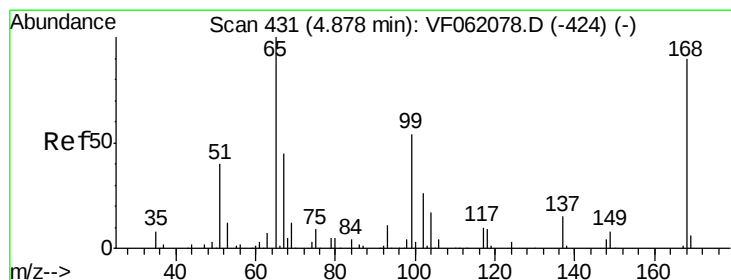
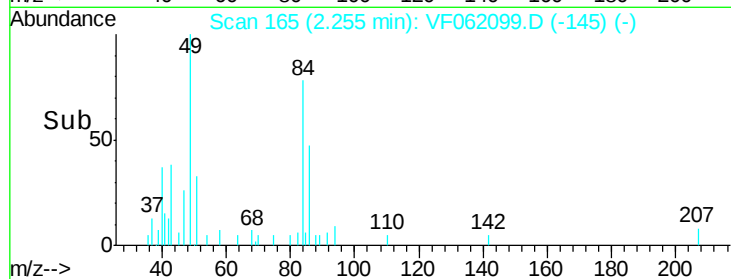
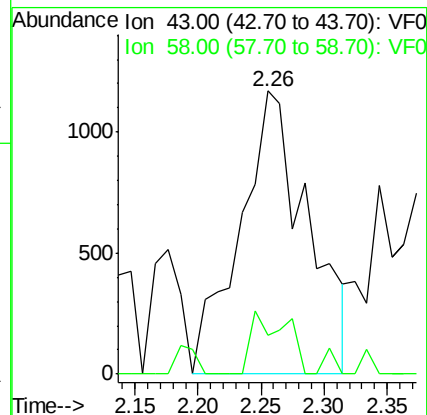
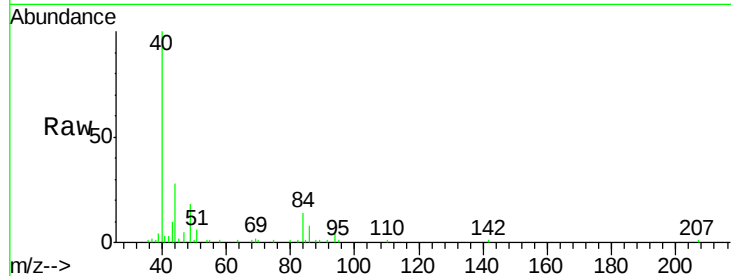
CS-2

Tot Ion: 43 Resp: 4375

Ion Ratio Lower Upper

43 100

58 13.9 20.8 31.2#



#33

1,2-Dichloroethane-d4

Concen: 54.925 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF062099.D

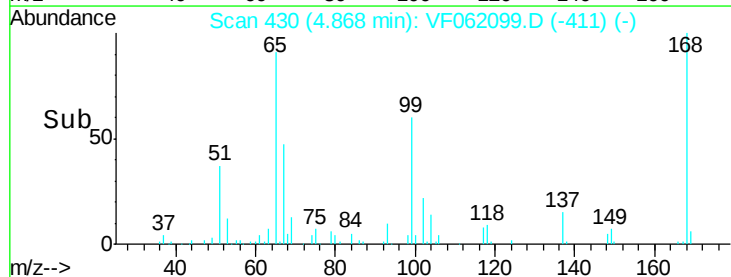
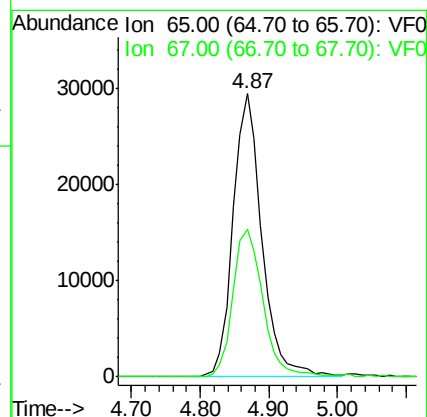
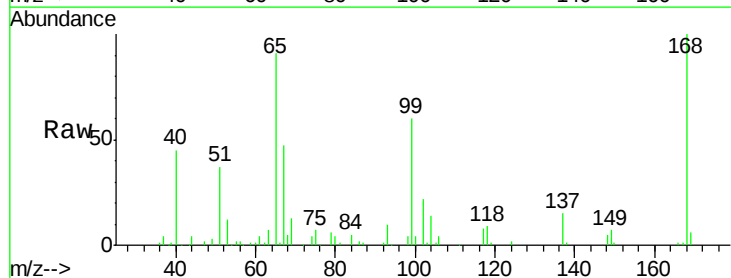
Acq: 23 Mar 2019 1:32

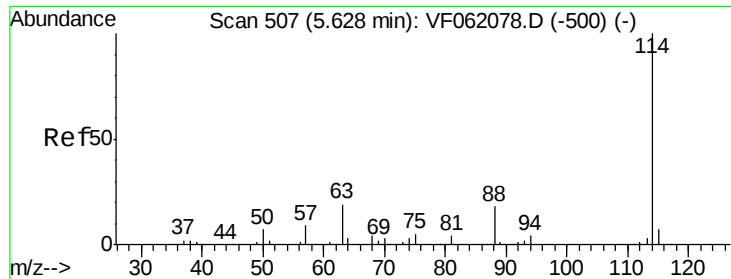
Tgt Ion: 65 Resp: 85442

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.2

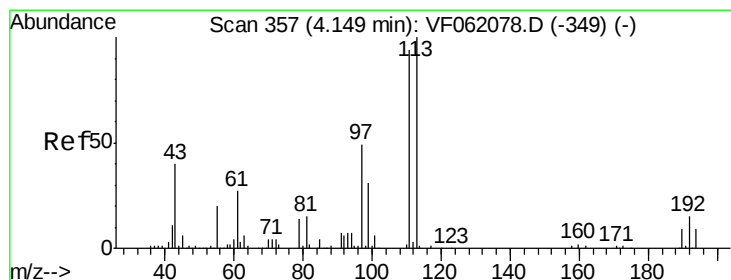
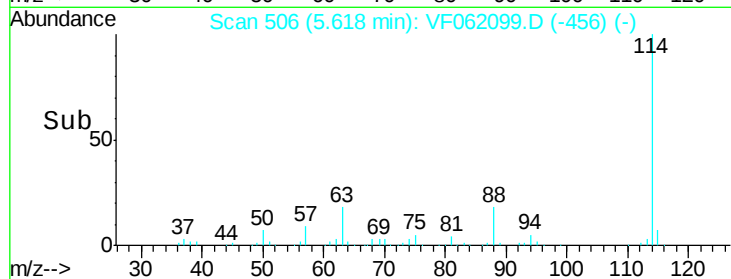
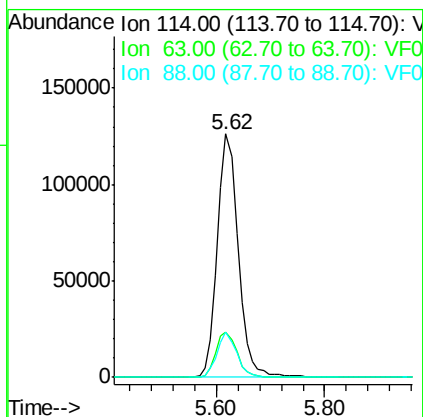
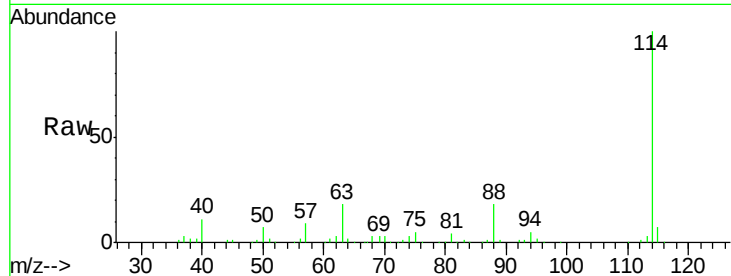




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.62 min Scan# 506  
 Delta R.T. -0.01 min  
 Lab File: VF062099.D  
 Acq: 23 Mar 2019 1:32

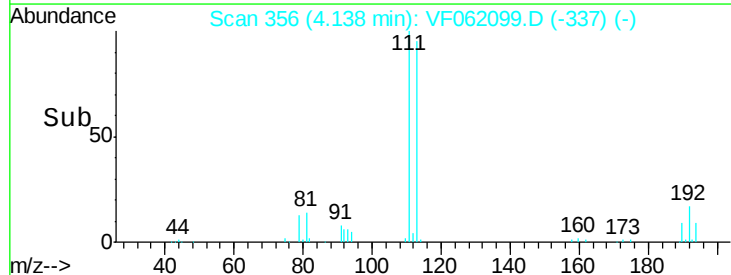
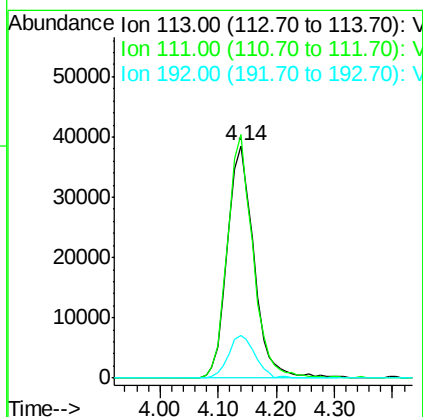
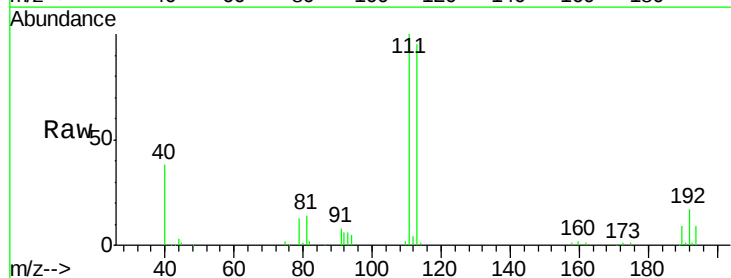
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CS-2

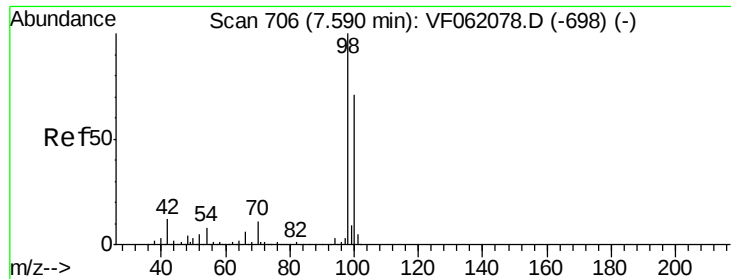
Tot Ion:114 Resp: 339804  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 37.8  
 88 18.5 0.0 36.4



#35  
 Dibromofluoromethane  
 Concen: 53.324 ug/l  
 RT: 4.14 min Scan# 356  
 Delta R.T. -0.01 min  
 Lab File: VF062099.D  
 Acq: 23 Mar 2019 1:32

Tgt Ion:113 Resp: 122573  
 Ion Ratio Lower Upper  
 113 100  
 111 104.8 75.4 113.0  
 192 18.9 12.3 18.5#

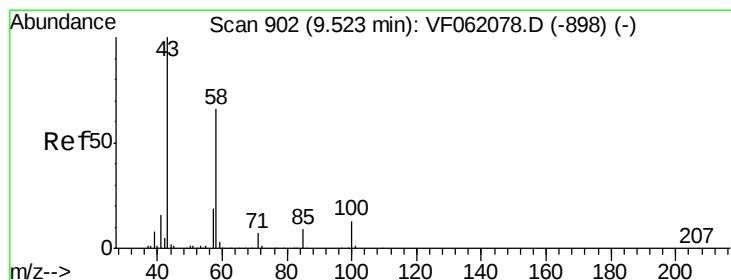
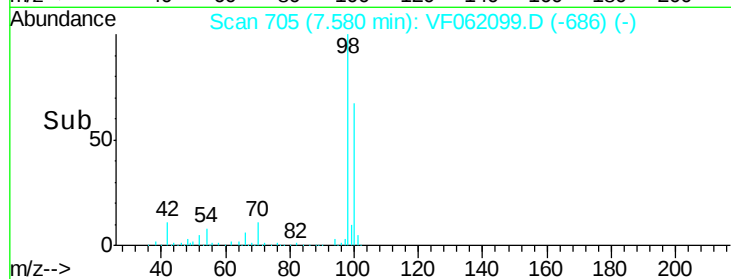
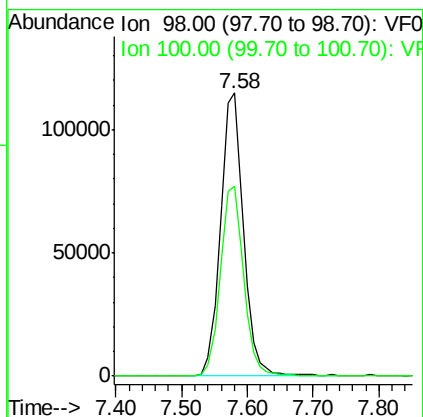
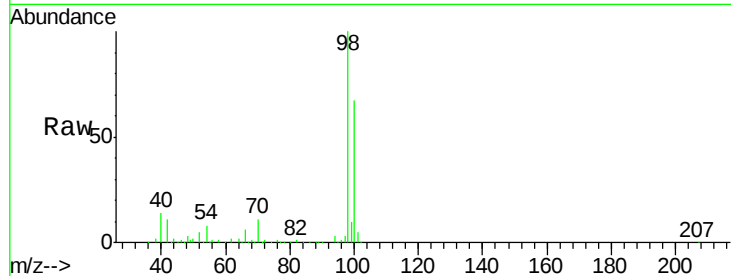




#50  
Toluene-d8  
Concen: 40.930 ug/l  
RT: 7.58 min Scan# 705  
Delta R.T. -0.01 min  
Lab File: VF062099.D  
Acq: 23 Mar 2019 1:32

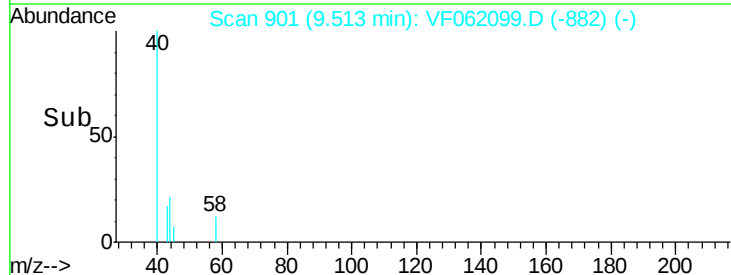
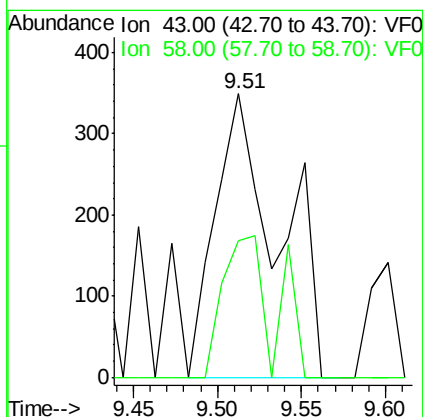
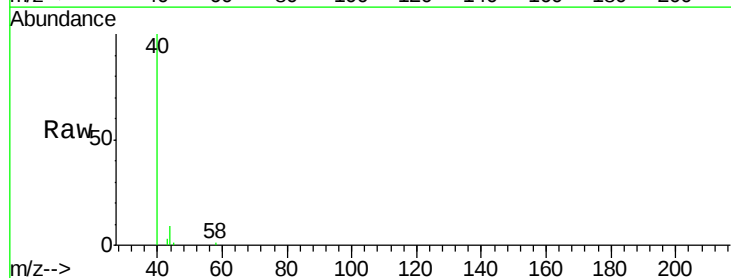
Instrument :  
MSVOA\_F  
ClientSampled :  
CS-2

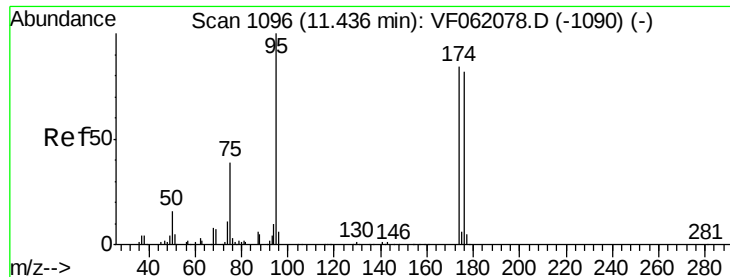
Tot Ion: 98 Resp: 280839  
Ion Ratio Lower Upper  
98 100  
100 67.0 57.0 85.6



#59  
2-Hexanone  
Concen: 1.082 ug/l  
RT: 9.51 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: VF062099.D  
Acq: 23 Mar 2019 1:32

Tgt Ion: 43 Resp: 909  
Ion Ratio Lower Upper  
43 100  
58 48.4 28.8 86.4

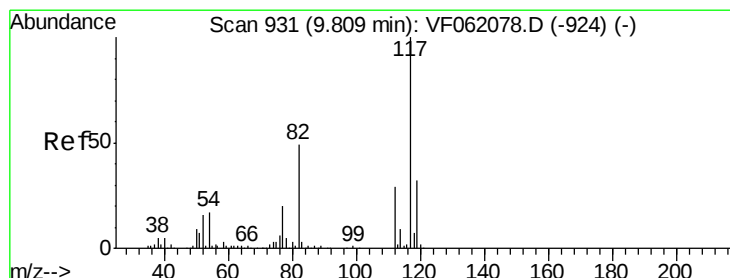
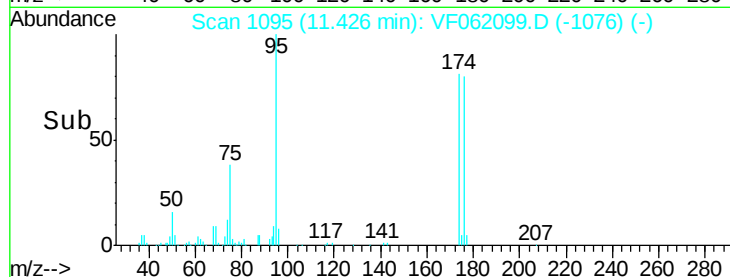
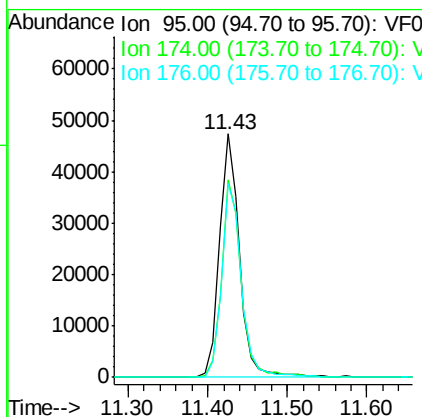
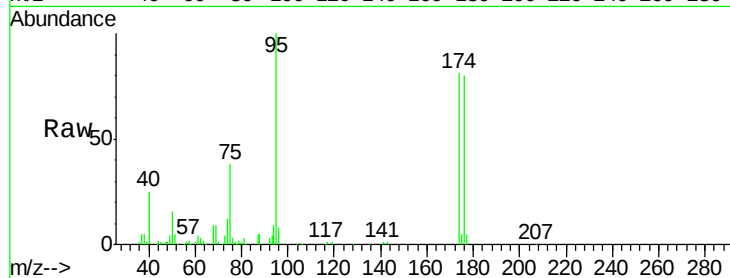




#62  
4-Bromofluorobenzene  
Concen: 31.793 ug/l  
RT: 11.43 min Scan# 1095  
Delta R.T. -0.01 min  
Lab File: VF062099.D  
Acq: 23 Mar 2019 1:32

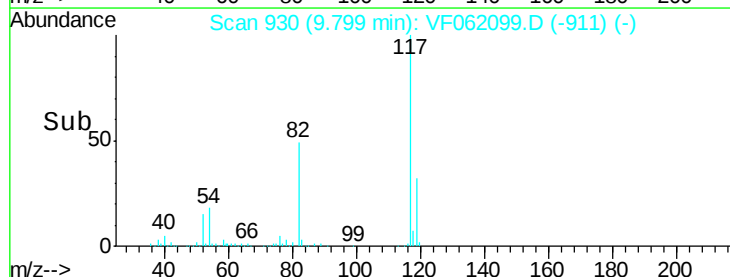
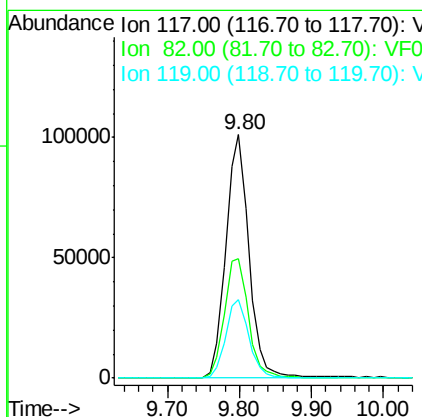
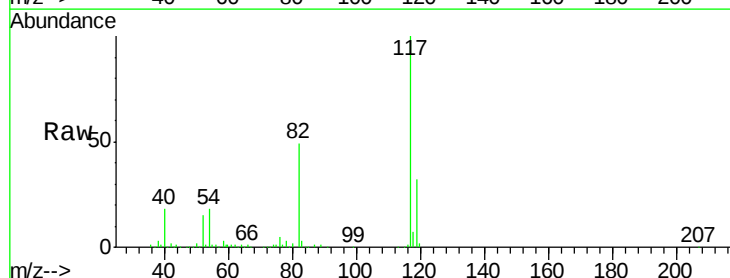
Instrument :  
MSVOA\_F  
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CS-2

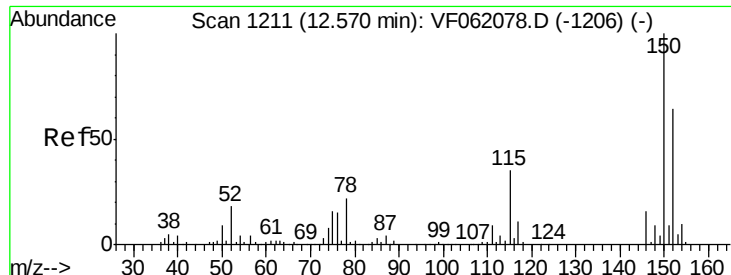
Tot Ion: 95 Resp: 84217  
Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 168.2  
176 79.6 0.0 164.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.80 min Scan# 930  
Delta R.T. -0.01 min  
Lab File: VF062099.D  
Acq: 23 Mar 2019 1:32

Tgt Ion: 117 Resp: 226291  
Ion Ratio Lower Upper  
117 100  
82 49.0 39.2 58.8  
119 32.2 25.4 38.2

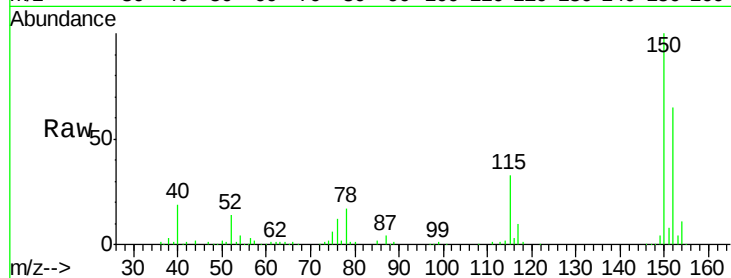




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.57 min Scan# 1211  
 Delta R.T. -0.00 min  
 Lab File: VF062099.D  
 Acq: 23 Mar 2019 1:32

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CS-2

Tot Ion:152 Resp: 74208  
 Ion Ratio Lower Upper  
 152 100  
 115 50.9 27.7 83.1  
 150 153.6 0.0 313.2



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

