

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\  
 Data File : VF062785.D  
 Acq On : 29 May 2019 16:46  
 Operator : FY/SY  
 Sample : K2648-03RE  
 Misc : 6.12g/5mL/MSVOA F/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TR-04-052919RE

Quant Time: May 30 09:07:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 05:49:09 2019  
 Response via : Initial Calibration

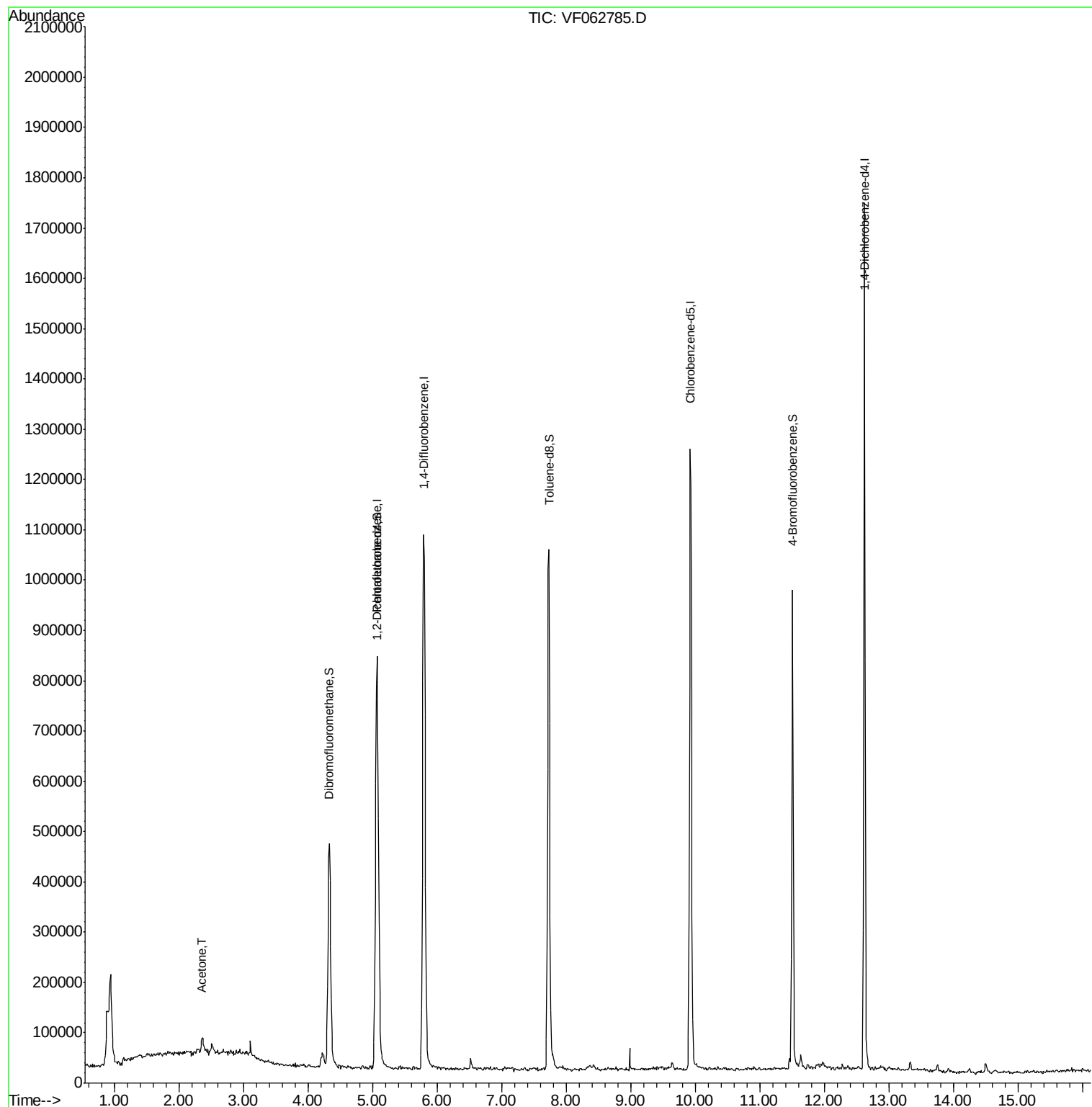
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 5.08  | 168  | 751372   | 50.00  | ug/l   | 0.02      |
| 34) 1,4-Difluorobenzene     | 5.79  | 114  | 1358972  | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 9.92  | 117  | 1015549  | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.62 | 152  | 447599   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 5.05  | 65   | 228588   | 43.05  | ug/l   | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.10% |           |
| 35) Dibromofluoromethane    | 4.33  | 113  | 448716   | 43.15  | ug/l   | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.30% |           |
| 50) Toluene-d8              | 7.73  | 98   | 936507   | 37.72  | ug/l   | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 75.44% |           |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 349371   | 37.10  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 74.20% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 2.36  | 43   | 52463    | 38.086 | ug/l # | Qvalue 82 |

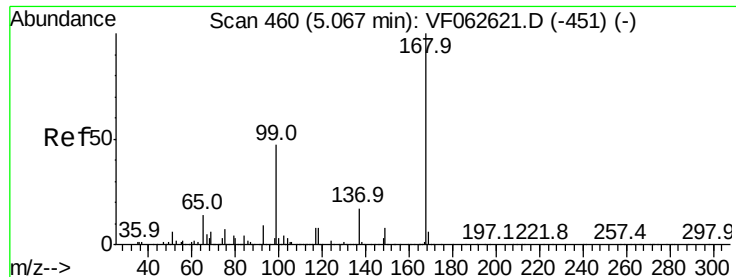
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri May 17 05:49:09 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

Instrument :

MSVOA\_F

ClientSampleId :

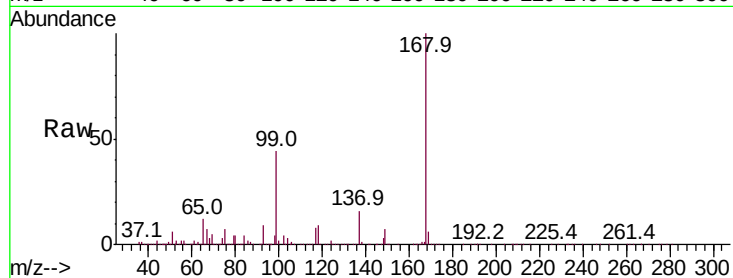
TR-04-052919RE

Tot Ion:168 Resp: 751372

Ion Ratio Lower Upper

168 100

99 43.8 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

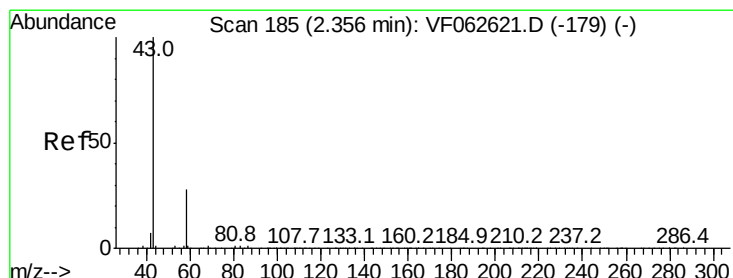
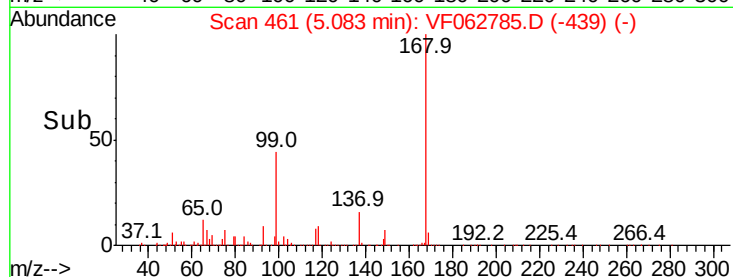
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 38.086 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062785.D

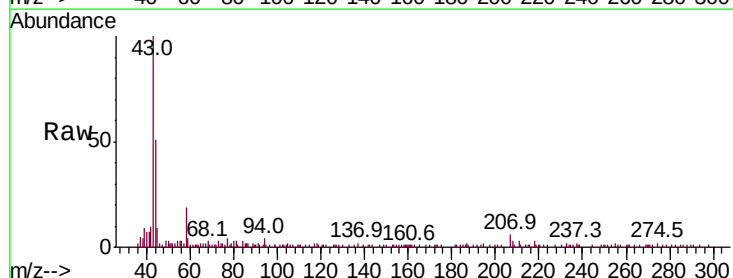
Acq: 29 May 2019 16:46

Tgt Ion: 43 Resp: 52463

Ion Ratio Lower Upper

43 100

58 18.7 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.36

20000

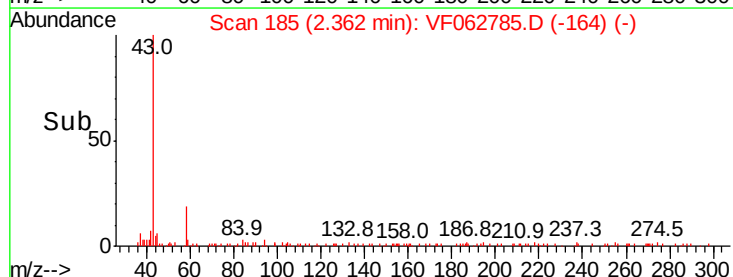
15000

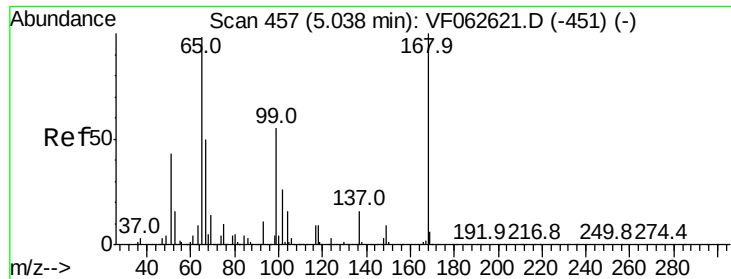
10000

5000

0

Time-->

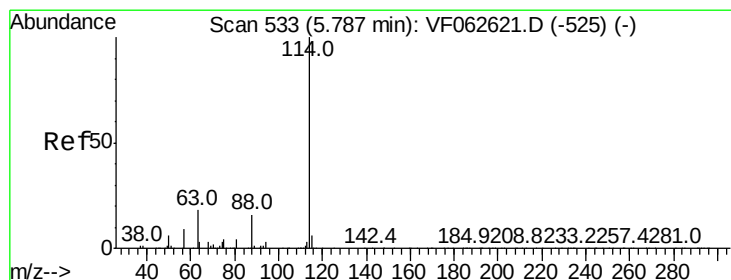
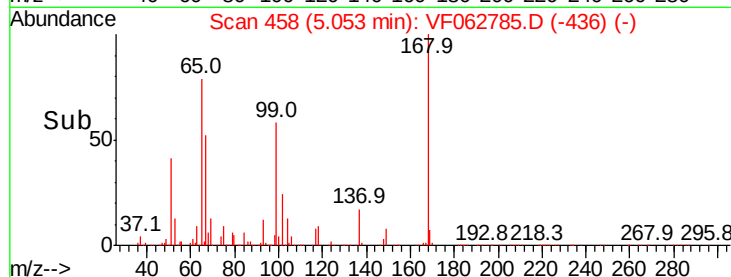
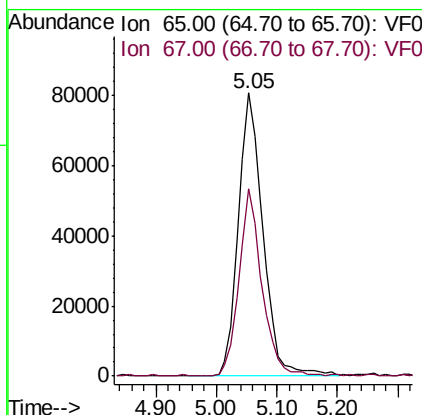
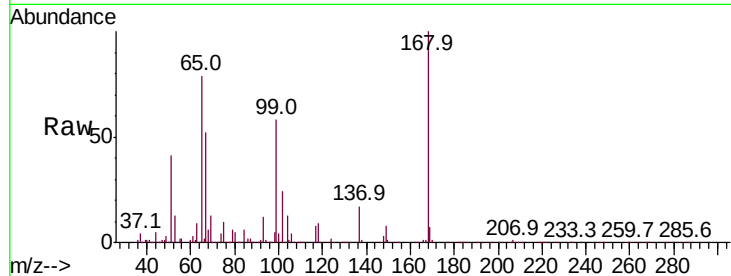




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.052 ug/l  
 RT: 5.05 min Scan# 458  
 Delta R.T. 0.02 min  
 Lab File: VF062785.D  
 Acq: 29 May 2019 16:46

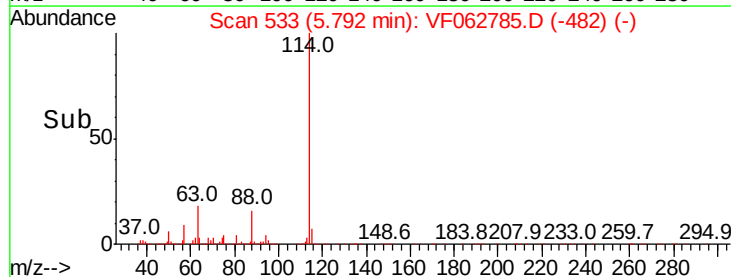
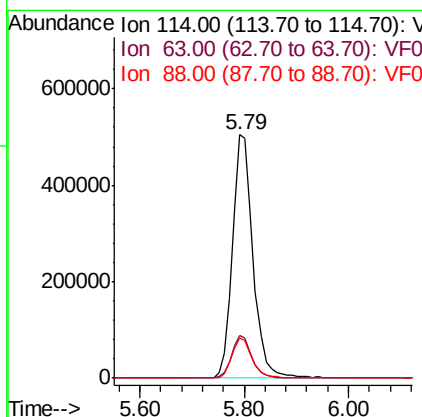
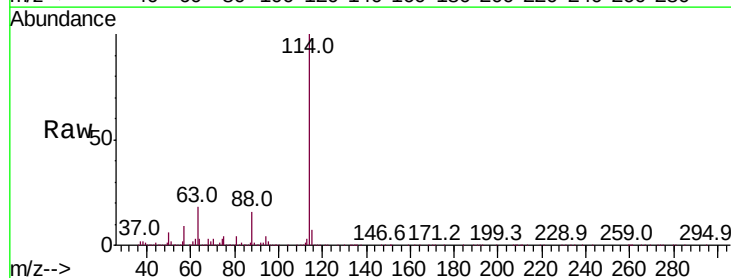
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TR-04-052919RE

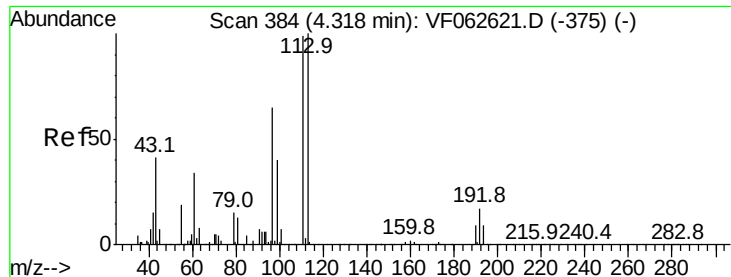
Tot Ion: 65 Resp: 228588  
 Ion Ratio Lower Upper  
 65 100  
 67 66.1 0.0 117.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.79 min Scan# 533  
 Delta R.T. 0.01 min  
 Lab File: VF062785.D  
 Acq: 29 May 2019 16:46

Tgt Ion:114 Resp: 1358972  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 35.4  
 88 16.2 0.0 32.4

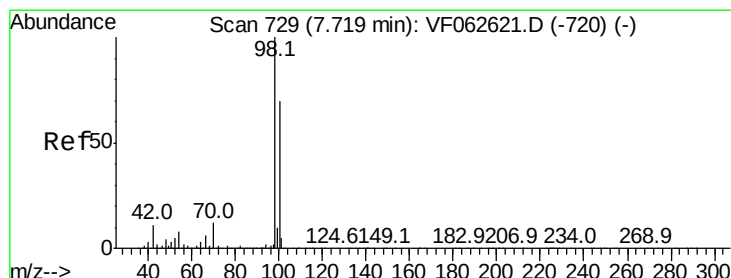
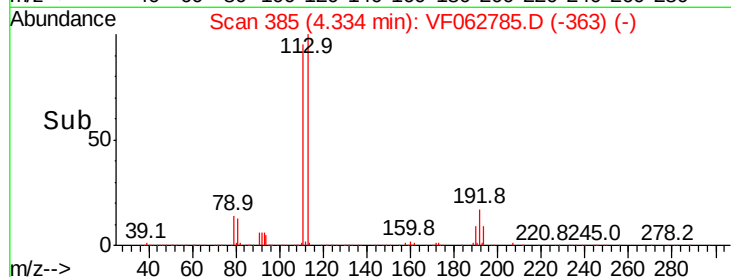
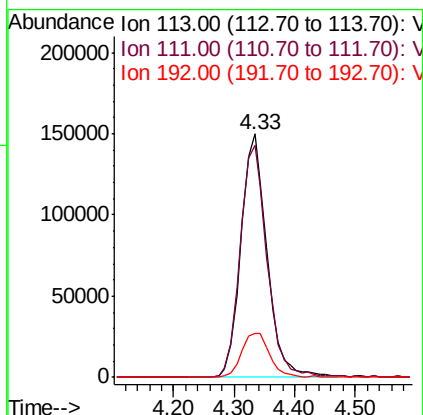
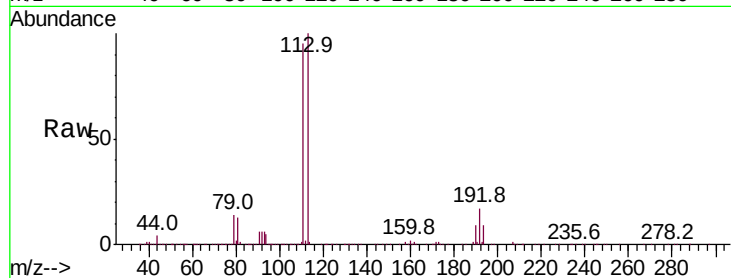




#35  
 Dibromofluoromethane  
 Concen: 43.150 ug/l  
 RT: 4.33 min Scan# 385  
 Delta R.T. 0.02 min  
 Lab File: VF062785.D  
 Acq: 29 May 2019 16:46

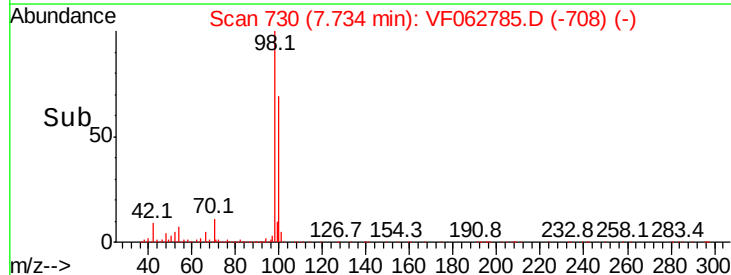
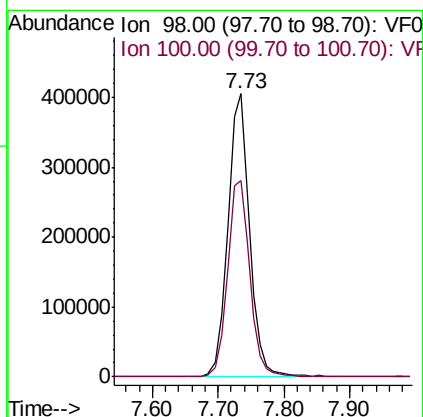
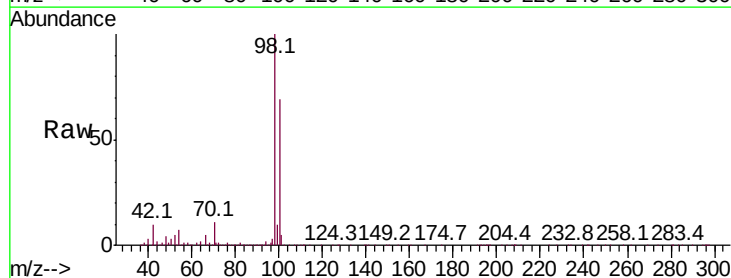
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TR-04-052919RE

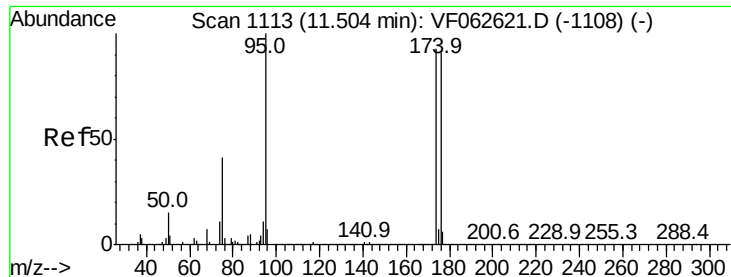
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 94.7  | 79.4  | 119.2 |
| 192     | 17.9  | 13.4  | 20.2  |



#50  
 Toluene-d8  
 Concen: 37.719 ug/l  
 RT: 7.73 min Scan# 730  
 Delta R.T. 0.02 min  
 Lab File: VF062785.D  
 Acq: 29 May 2019 16:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 69.2  | 56.2  | 84.2  |





#62

4-Bromofluorobenzene

Concen: 37.101 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

Instrument :

MSVOA\_F

ClientSampleId :

TR-04-052919RE

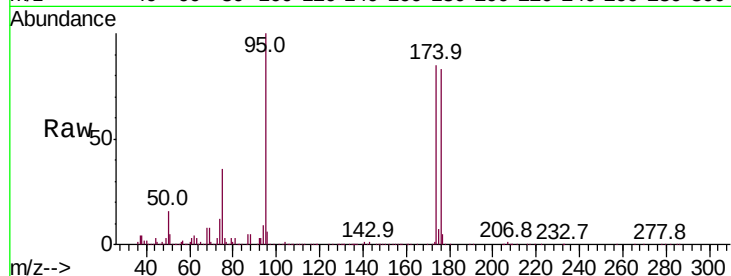
Tot Ion: 95 Resp: 349371

Ion Ratio Lower Upper

95 100

174 85.3 0.0 185.6

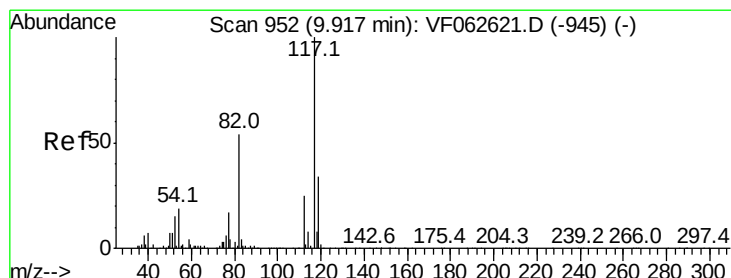
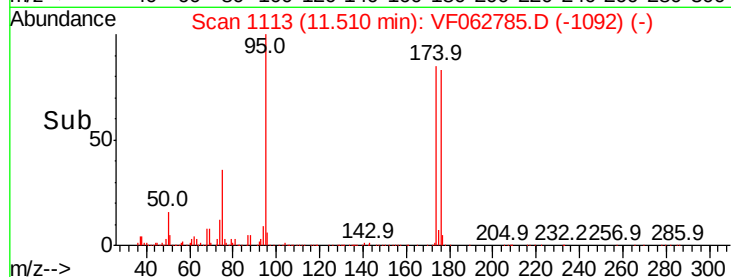
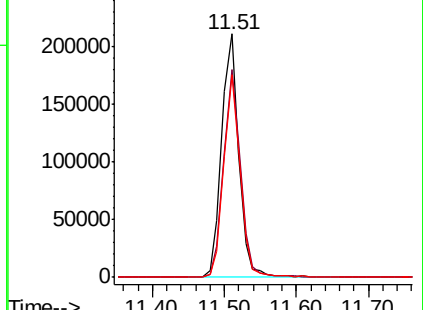
176 83.1 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

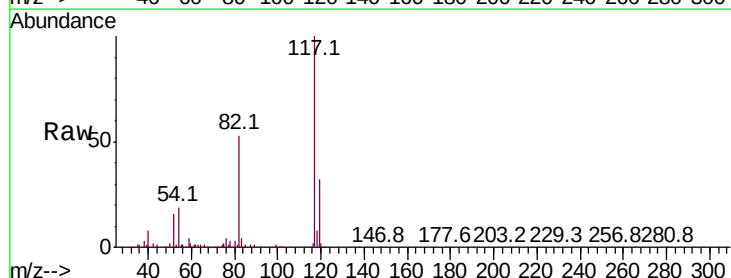
Tgt Ion: 117 Resp: 1015549

Ion Ratio Lower Upper

117 100

82 53.1 43.3 64.9

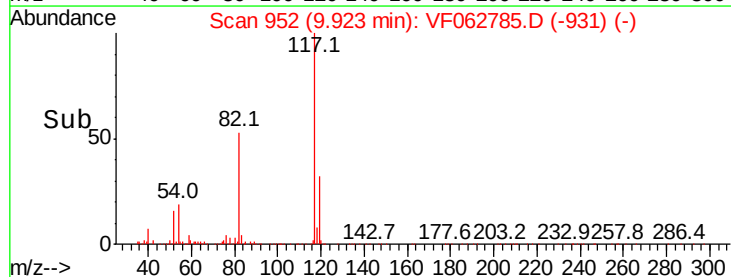
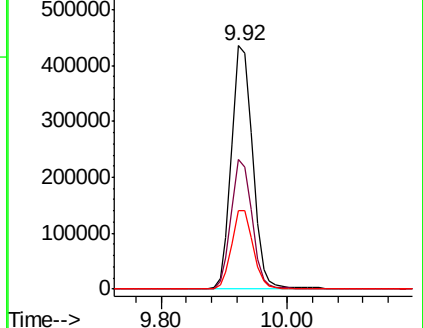
119 32.3 27.4 41.0

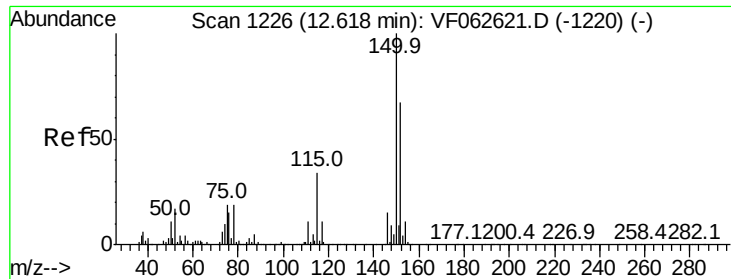


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

Instrument :

MSVOA\_F

ClientSampleId :

TR-04-052919RE

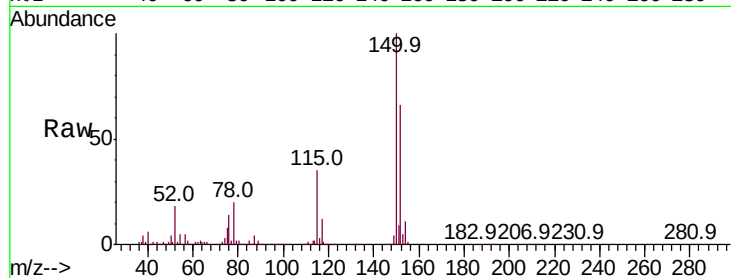
Tot Ion:152 Resp: 447599

Ion Ratio Lower Upper

152 100

115 53.2 25.2 75.6

150 151.7 0.0 306.2



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

