

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\  
 Data File : VF062816.D  
 Acq On : 31 May 2019 18:38  
 Operator : FY/SY  
 Sample : K2641-17  
 Misc : 7.09g/5mL/MSVOA F/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CL-02-053119-C

Quant Time: Jun 01 01:42:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F053019S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 31 04:18:30 2019  
 Response via : Initial Calibration

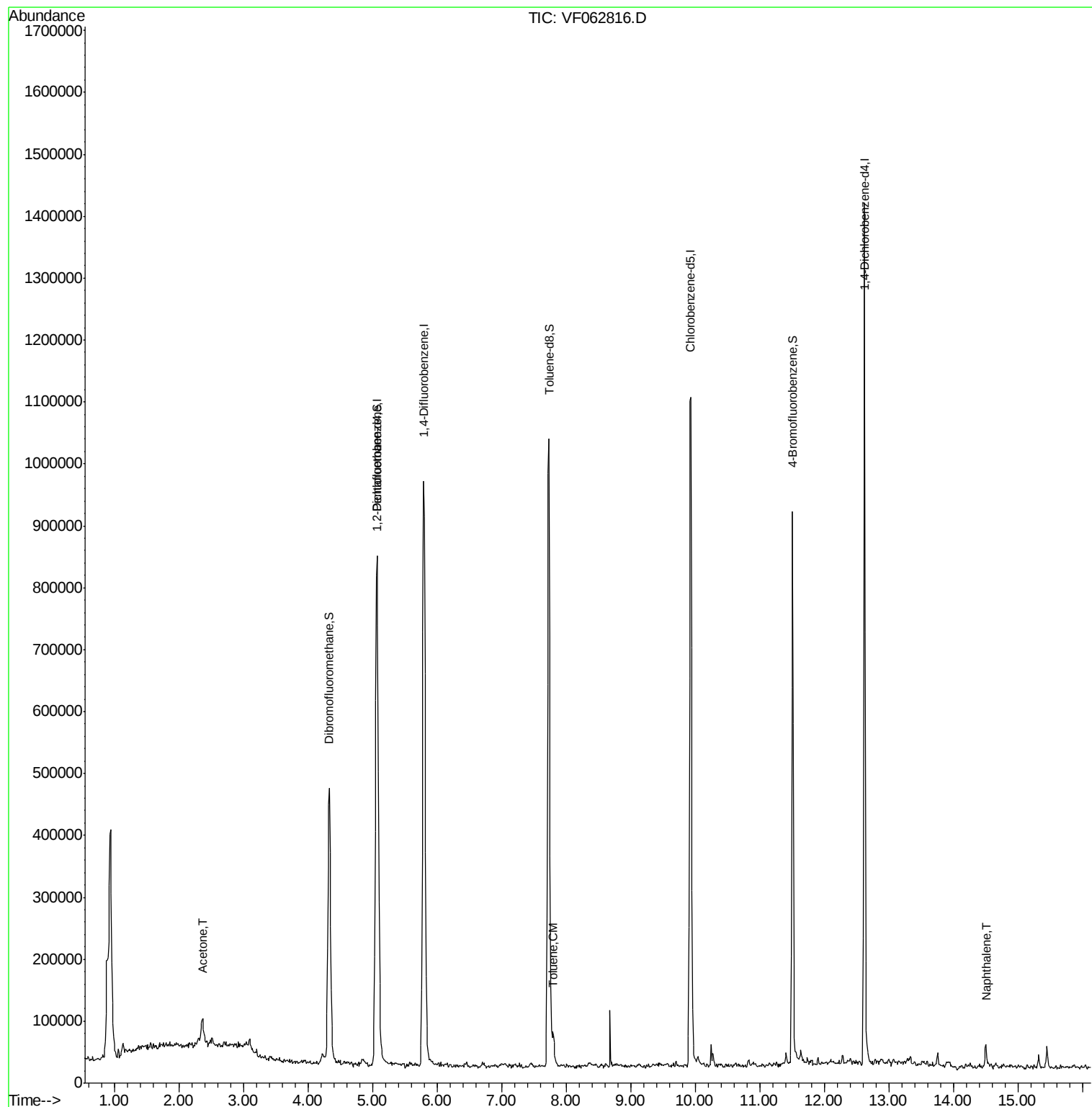
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.07  | 168  | 734843   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.79  | 114  | 1213804  | 50.00  | ug/l   | -0.01    |
| 63) Chlorobenzene-d5        | 9.93  | 117  | 874648   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.62 | 152  | 350119   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.05  | 65   | 233189   | 45.89  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.78% |          |
| 35) Dibromofluoromethane    | 4.33  | 113  | 449703   | 49.03  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.06% |          |
| 50) Toluene-d8              | 7.73  | 98   | 940540   | 40.55  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.10% |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 324509   | 38.89  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.78% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.36  | 43   | 66455    | 57.139 | ug/l # | 84       |
| 52) Toluene                 | 7.79  | 92   | 27288    | 1.558  | ug/l   | 95       |
| 95) Naphthalene             | 14.51 | 128  | 24161    | 2.257  | ug/l   | 97       |

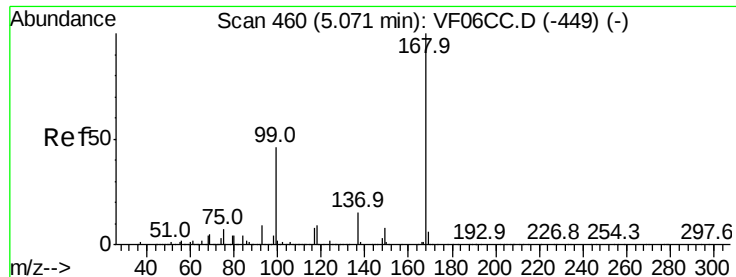
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri May 31 04:18:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062816.D

Acq: 31 May 2019 18:38

Instrument :

MSVOA\_F

ClientSampleId :

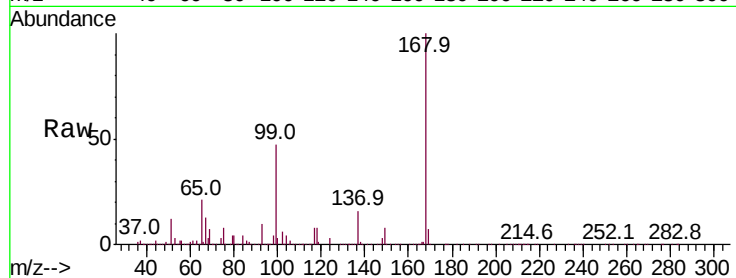
CL-02-053119-C

Tot Ion:168 Resp: 734843

Ion Ratio Lower Upper

168 100

99 47.1 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF062816.D (-449) (-)

Ion 99.00 (98.70 to 99.70): VF062816.D (-449) (-)

5.07

250000

200000

150000

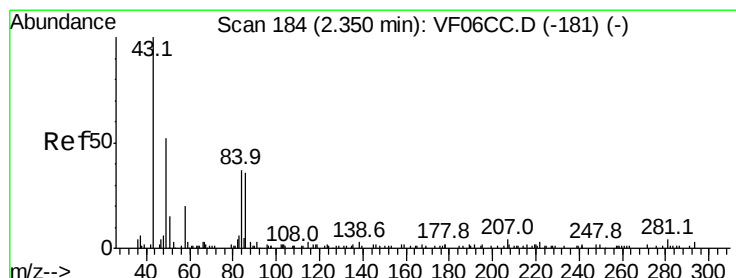
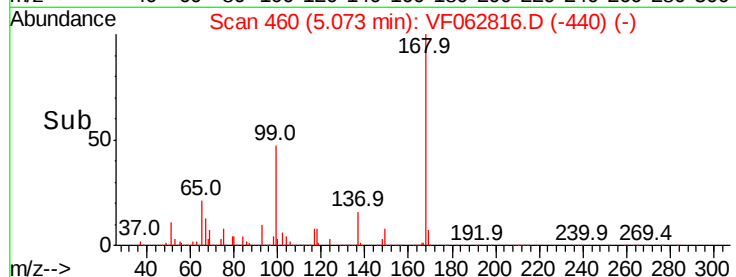
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#16

Acetone

Concen: 57.139 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062816.D

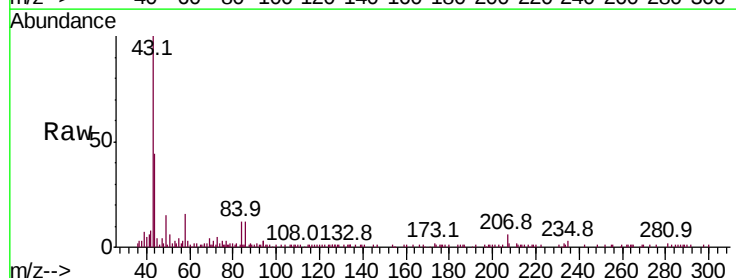
Acq: 31 May 2019 18:38

Tgt Ion: 43 Resp: 66455

Ion Ratio Lower Upper

43 100

58 15.9 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VF062816.D (-165) (-)

Ion 58.00 (57.70 to 58.70): VF062816.D (-165) (-)

2.36

25000

20000

15000

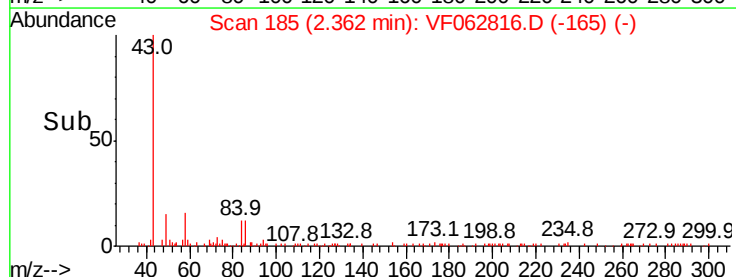
10000

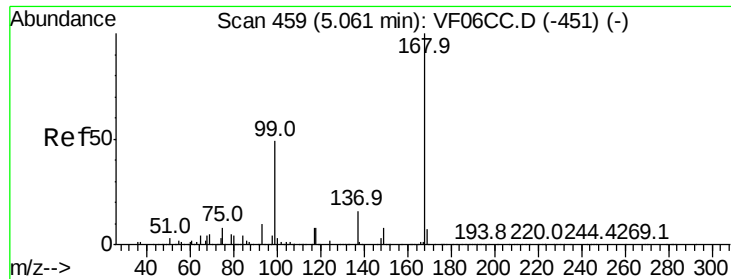
5000

0

2.30 2.40 2.50

Time-->

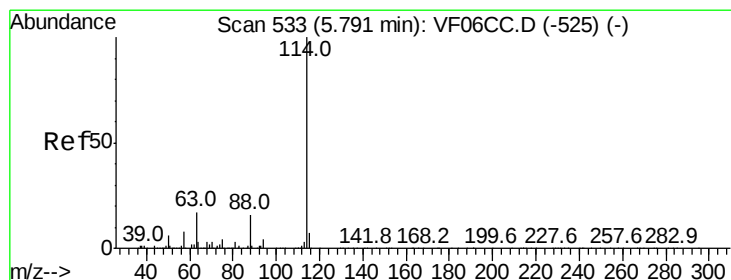
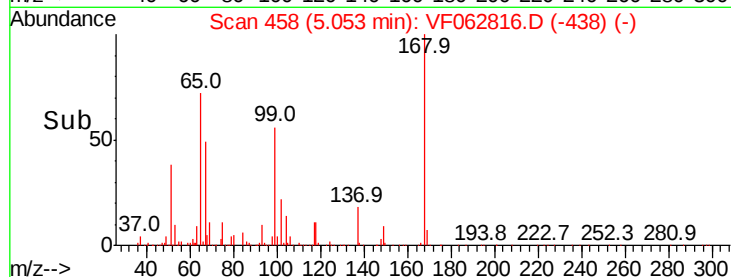
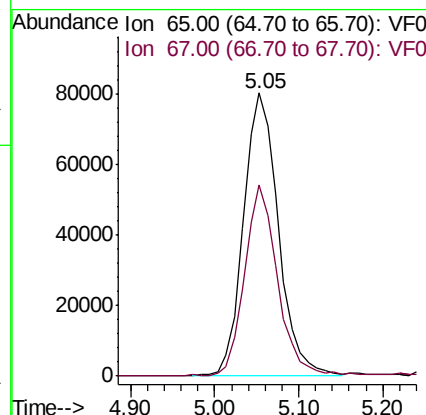
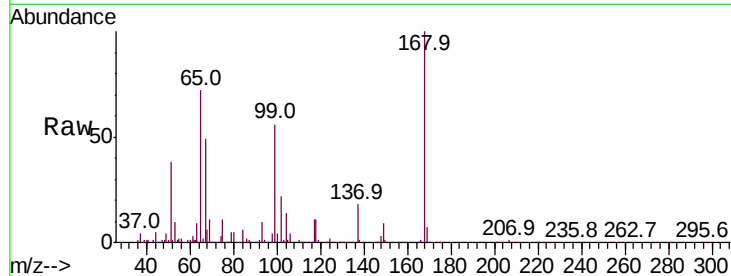




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.890 ug/l  
 RT: 5.05 min Scan# 458  
 Delta R.T. -0.00 min  
 Lab File: VF062816.D  
 Acq: 31 May 2019 18:38

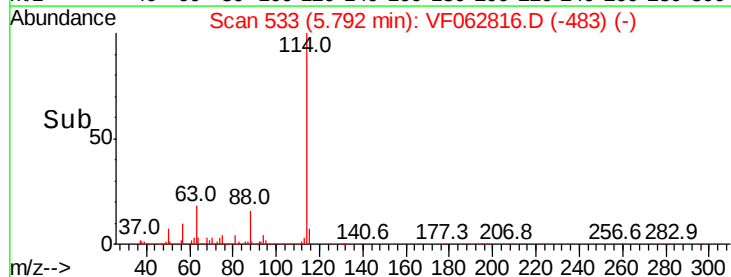
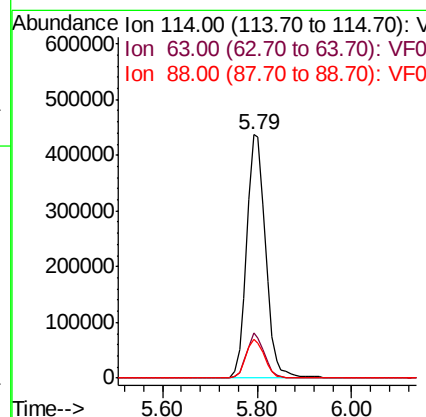
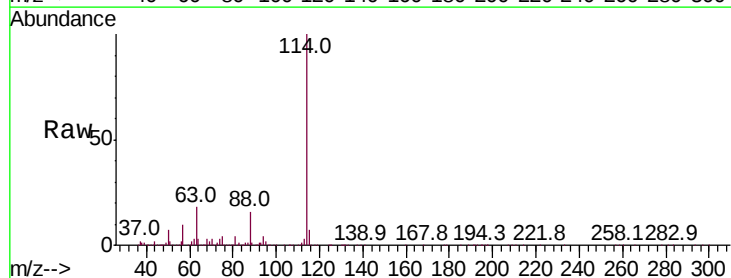
Instrument :  
 MSVOA\_F  
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 CL-02-053119-C

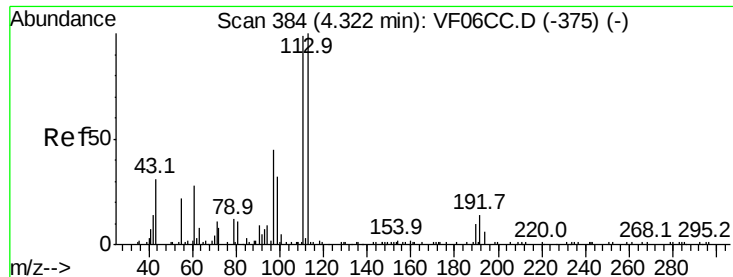
Tot Ion: 65 Resp: 233189  
 Ion Ratio Lower Upper  
 65 100  
 67 67.4 0.0 121.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.79 min Scan# 533  
 Delta R.T. -0.01 min  
 Lab File: VF062816.D  
 Acq: 31 May 2019 18:38

Tgt Ion: 114 Resp: 1213804  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 34.2  
 88 16.2 0.0 31.2

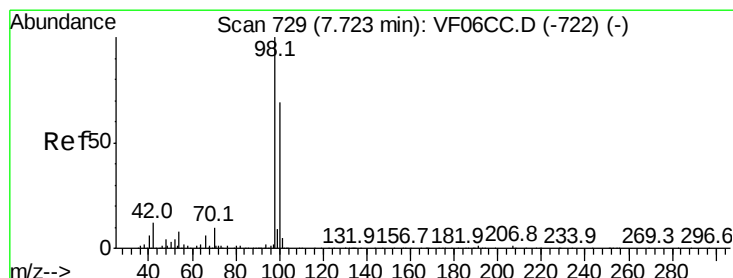
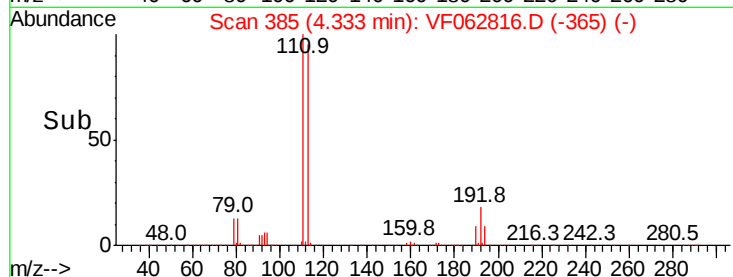
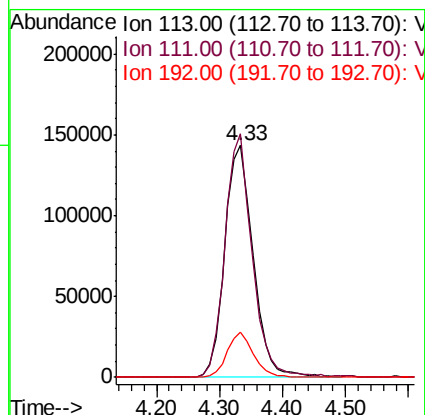
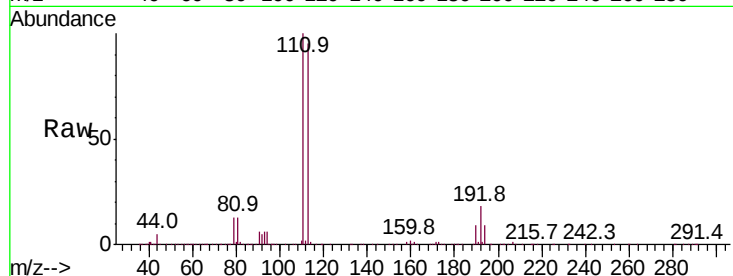




#35  
Dibromofluoromethane  
Concen: 49.029 ug/l  
RT: 4.33 min Scan# 385  
Delta R.T. -0.00 min  
Lab File: VF062816.D  
Acq: 31 May 2019 18:38

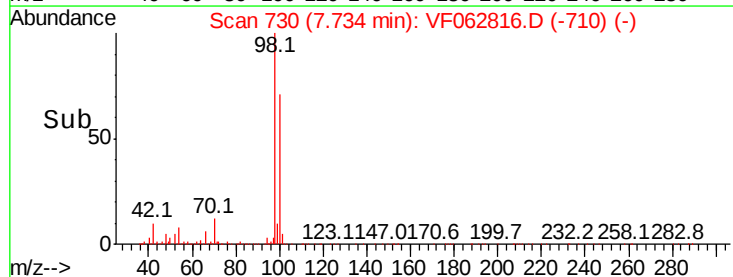
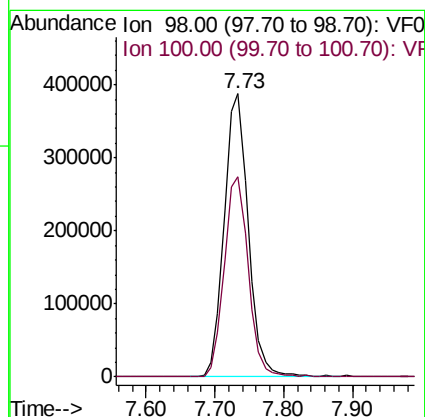
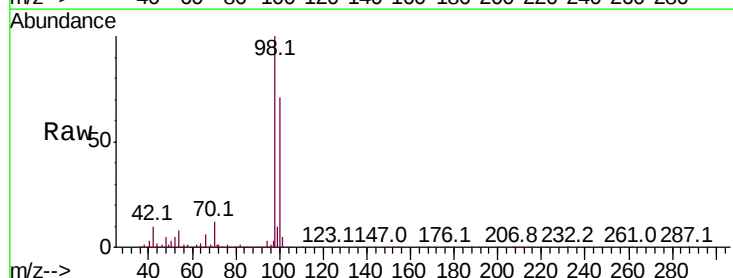
Instrument :  
MSVOA\_F  
ClientSampleId :  
CL-02-053119-C

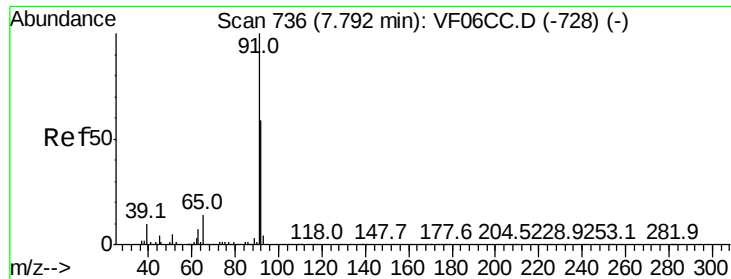
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.1 | 81.9  | 122.9 |
| 192     | 19.5  | 15.1  | 22.7  |



#50  
Toluene-d8  
Concen: 40.551 ug/l  
RT: 7.73 min Scan# 730  
Delta R.T. -0.00 min  
Lab File: VF062816.D  
Acq: 31 May 2019 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.6  | 59.8  | 89.8  |





#52

Toluene

Concen: 1.558 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062816.D

Acq: 31 May 2019 18:38

Instrument :

MSVOA\_F

ClientSampleId :

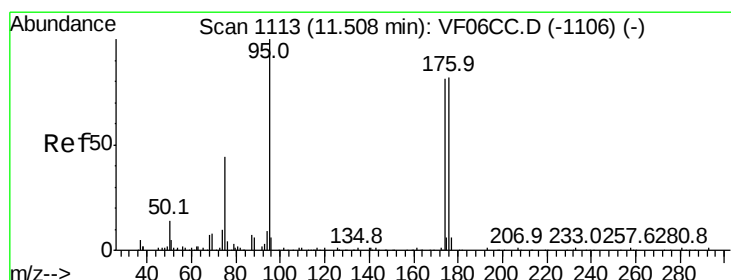
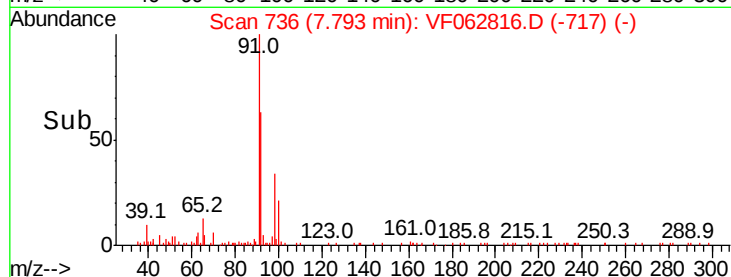
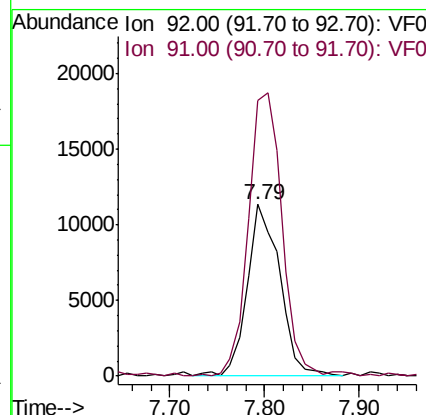
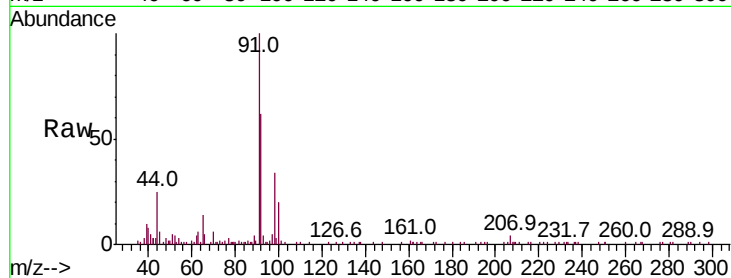
CL-02-053119-C

Tot Ion: 92 Resp: 27288

Ion Ratio Lower Upper

92 100

91 160.6 123.2 184.8



#62

4-Bromofluorobenzene

Concen: 38.895 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062816.D

Acq: 31 May 2019 18:38

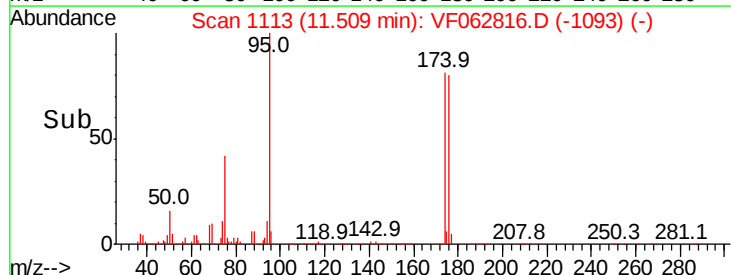
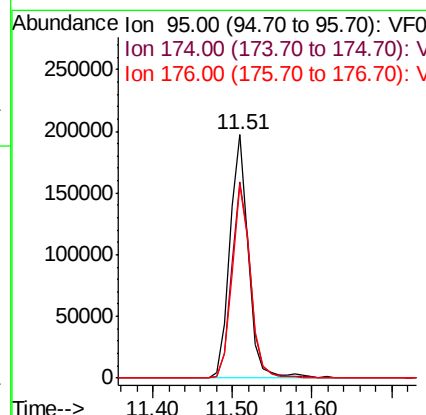
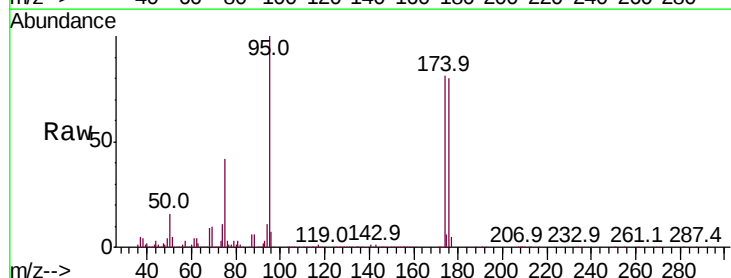
Tgt Ion: 95 Resp: 324509

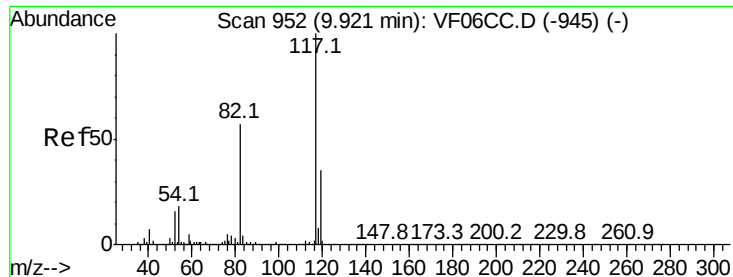
Ion Ratio Lower Upper

95 100

174 80.6 0.0 170.6

176 79.7 0.0 170.6

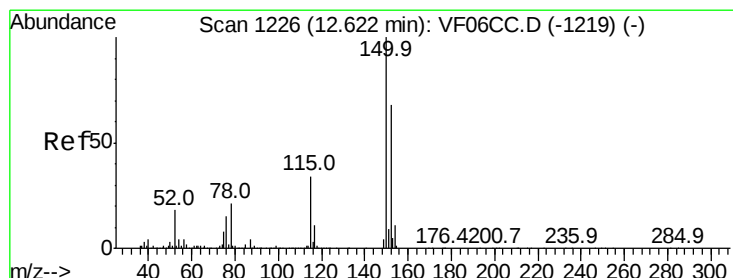
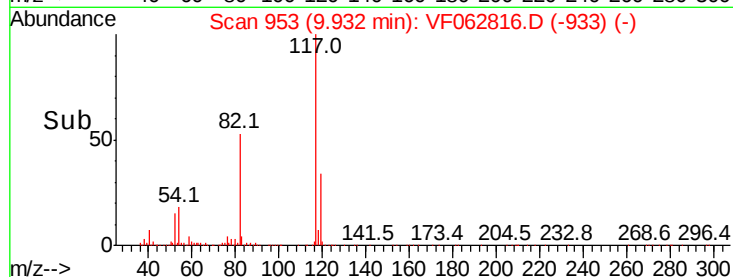
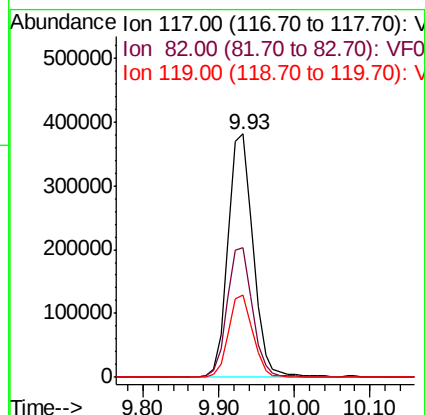
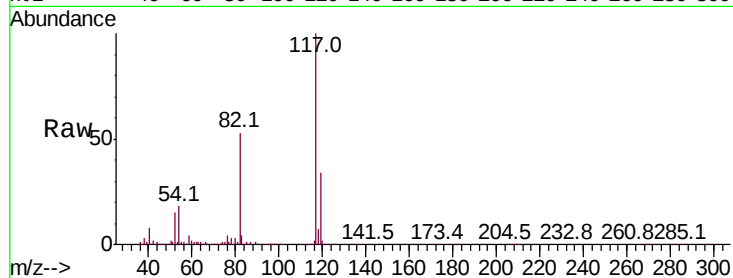




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.93 min Scan# 953  
Delta R.T. -0.00 min  
Lab File: VF062816.D  
Acq: 31 May 2019 18:38

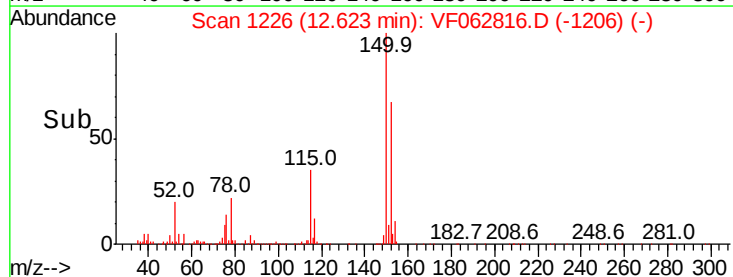
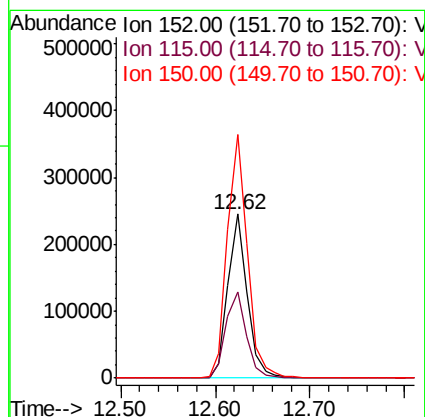
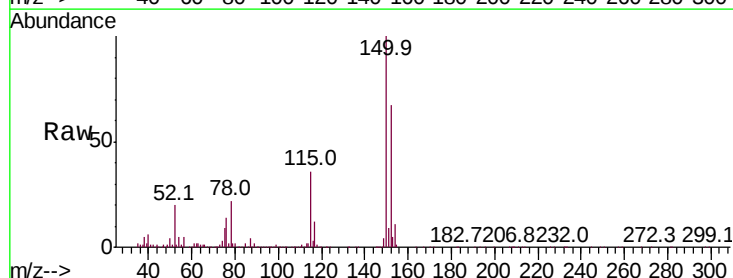
Instrument :  
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CL-02-053119-C

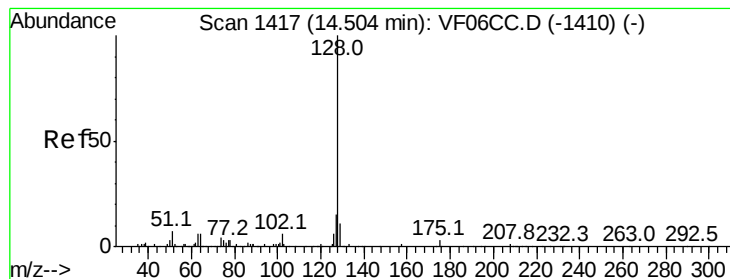
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.5  | 42.4  | 63.6  |
| 119     | 33.9  | 27.1  | 40.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.62 min Scan# 1226  
Delta R.T. -0.00 min  
Lab File: VF062816.D  
Acq: 31 May 2019 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 52.8  | 24.6  | 74.0  |
| 150     | 148.6 | 0.0   | 290.6 |





#95

Naphthalene

Concen: 2.257 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062816.D

Acq: 31 May 2019 18:38

Instrument :

MSVOA\_F

ClientSampleId :

CL-02-053119-C

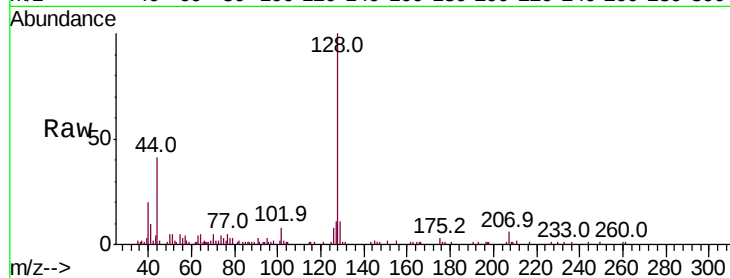
Tot Ion:128 Resp: 24161

Ion Ratio Lower Upper

128 100

127 11.0 9.7 14.5

129 10.9 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

