

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081120\  
 Data File : VD066194.D  
 Acq On : 11 Aug 2020 18:45  
 Operator : VA/SY  
 Sample : L3654-03  
 Misc : 5.09G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CS-15

Quant Time: Aug 11 21:11:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

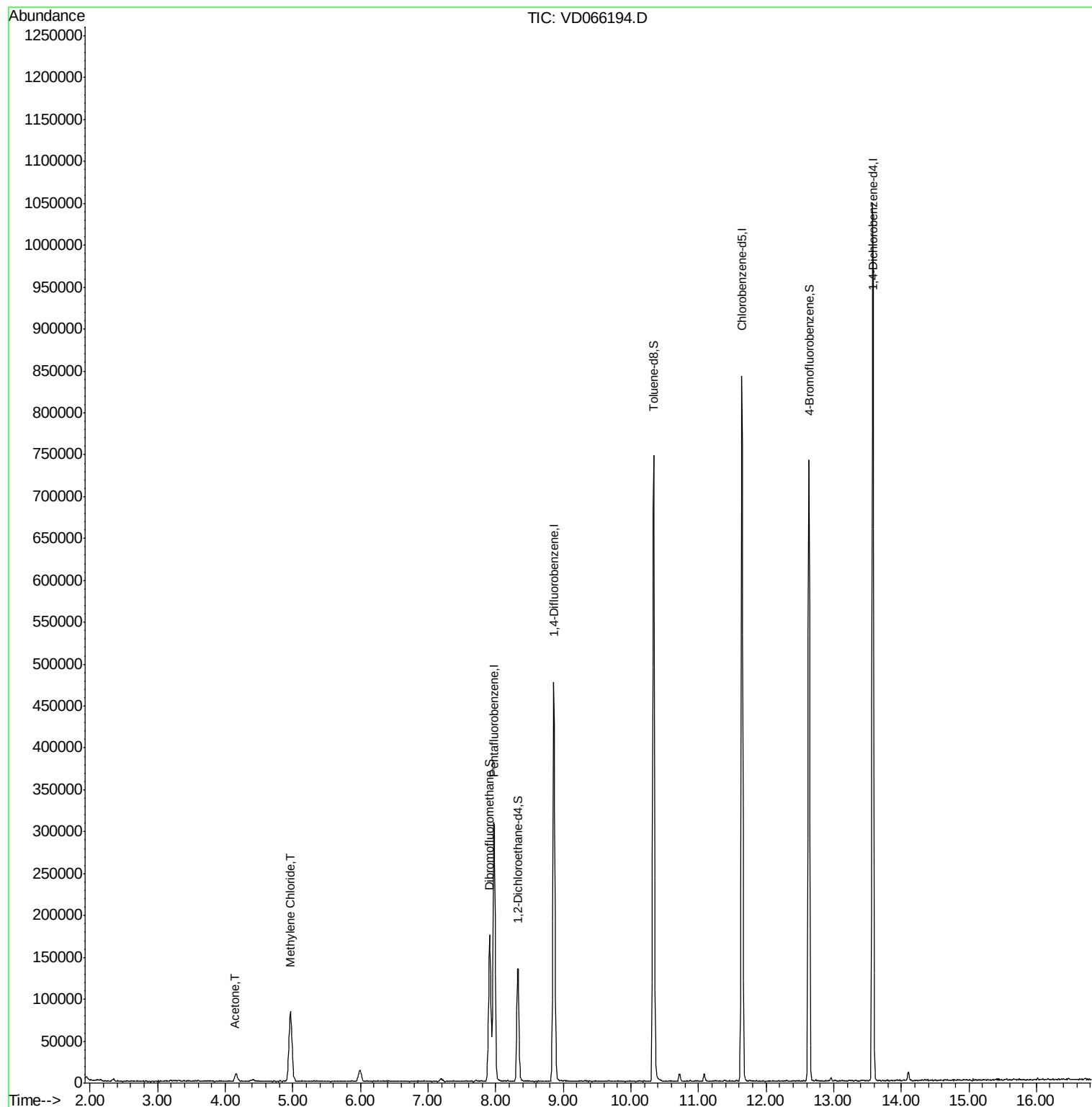
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 245619   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 414094   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 491357   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 282203   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 106970   | 48.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.64%  |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 124708   | 47.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.08%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 518165   | 53.53  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.06% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 239222   | 68.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 137.12% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.15  | 43   | 15956    | 38.376 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.96  | 84   | 64132    | 24.477 | ug/l    | 98       |

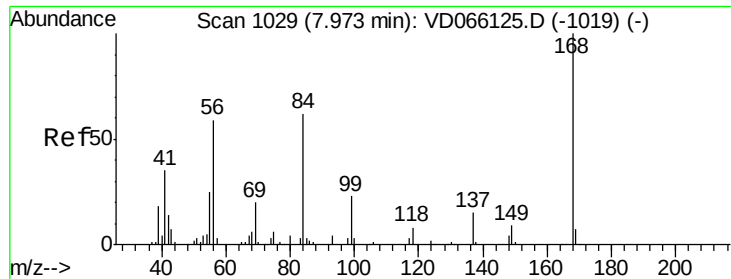
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081120\  
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MSVOA\_D  
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Quant Time: Aug 11 21:11:12 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:49:25 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA\_D

ClientSampleId :

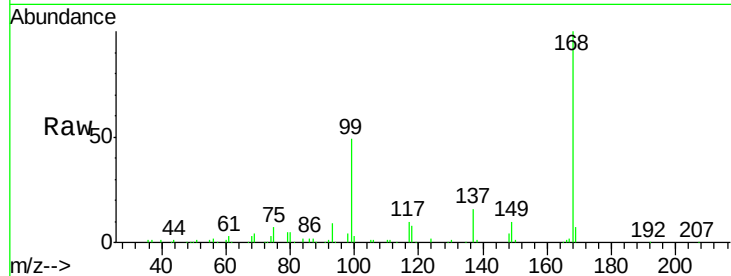
CS-15

Tot Ion:168 Resp: 245619

Ion Ratio Lower Upper

168 100

99 49.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

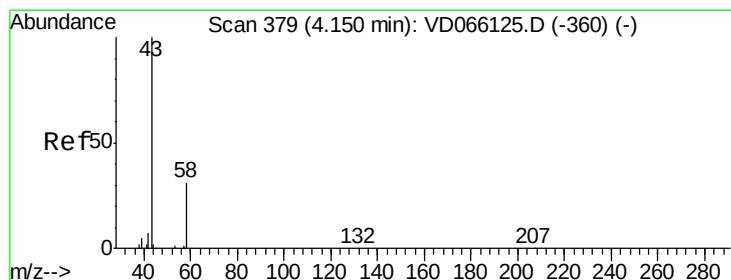
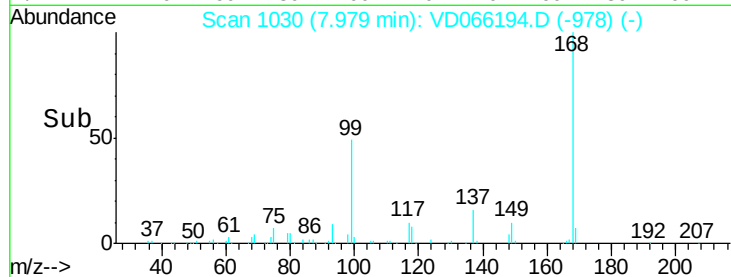
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 38.376 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD066194.D

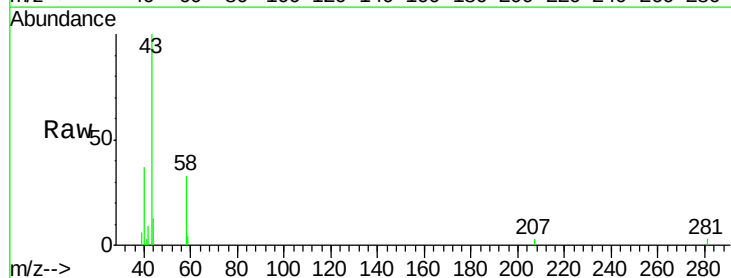
Acq: 11 Aug 2020 18:45

Tgt Ion: 43 Resp: 15956

Ion Ratio Lower Upper

43 100

58 33.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

6000

5000

4000

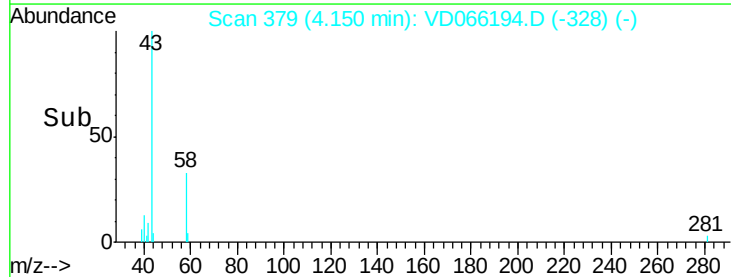
3000

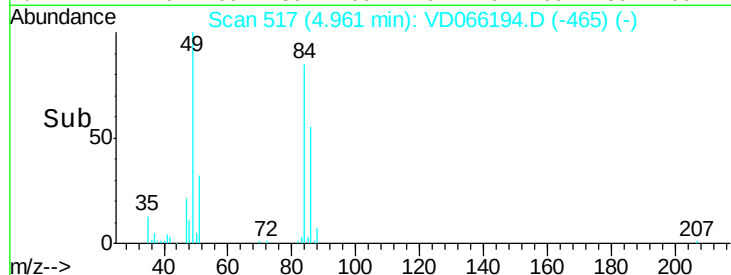
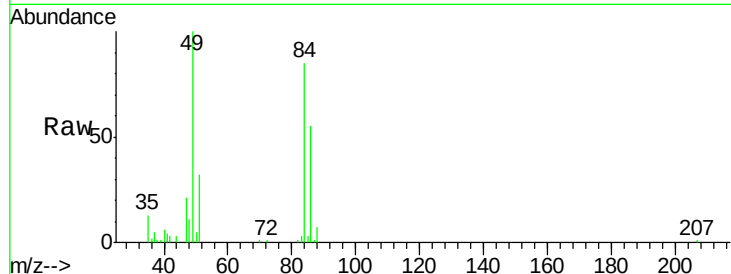
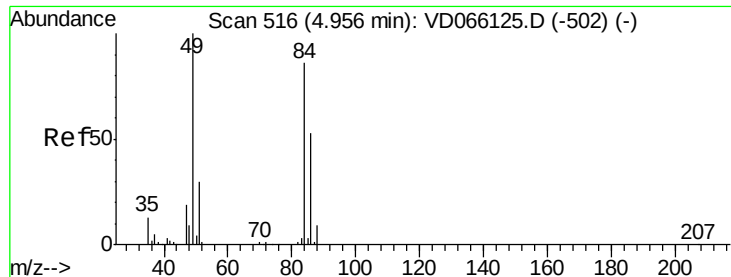
2000

1000

0

Time-->

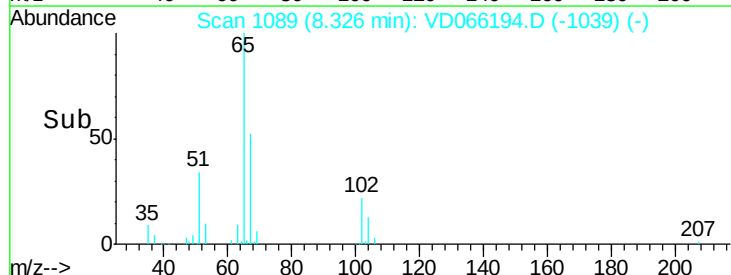
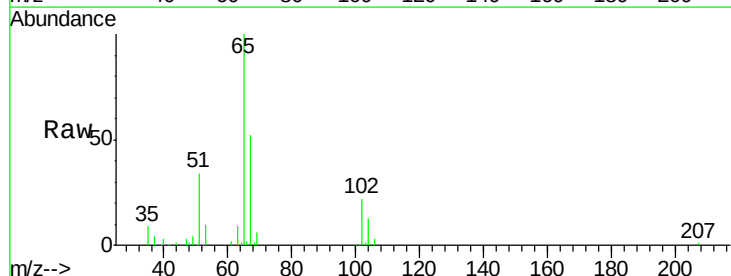
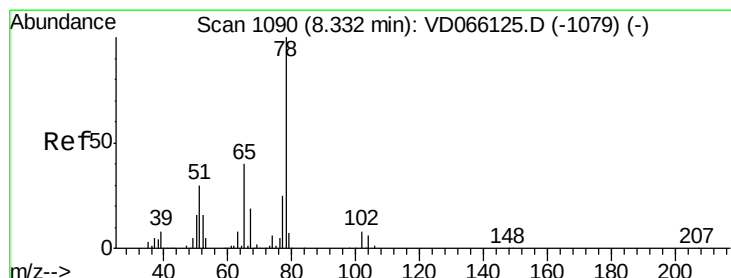
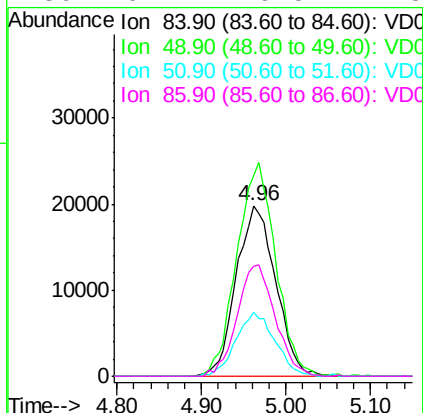




#20  
Methylene Chloride  
Concen: 24.477 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. 0.01 min  
Lab File: VD066194.D  
Acq: 11 Aug 2020 18:45

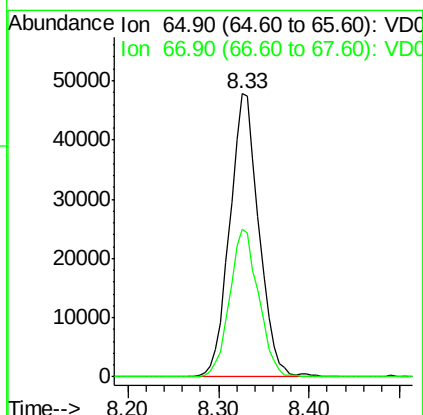
Instrument :  
MSVOA\_D  
ClientSampleId :  
CS-15

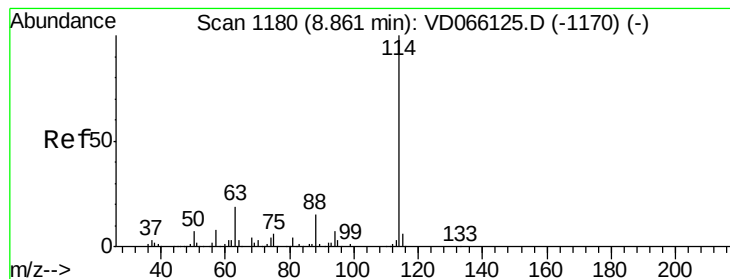
Tot Ion: 84 Resp: 64132  
Ion Ratio Lower Upper  
84 100  
49 117.7 93.5 140.3  
51 37.2 28.2 42.4  
86 64.4 49.5 74.3



#33  
1,2-Dichloroethane-d4  
Concen: 48.816 ug/l  
RT: 8.33 min Scan# 1089  
Delta R.T. -0.01 min  
Lab File: VD066194.D  
Acq: 11 Aug 2020 18:45

Tgt Ion: 65 Resp: 106970  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA\_D

ClientSampleId :

CS-15

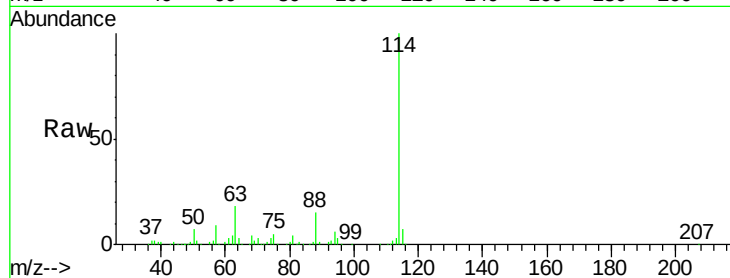
Tot Ion:114 Resp: 414094

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.6

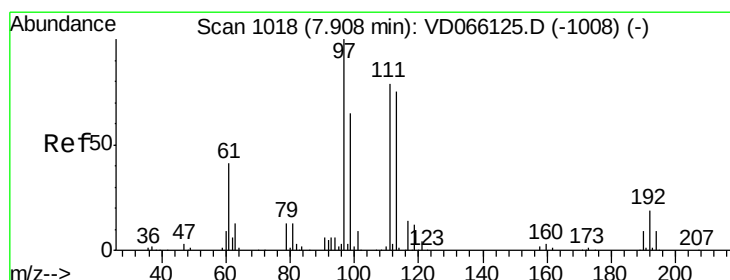
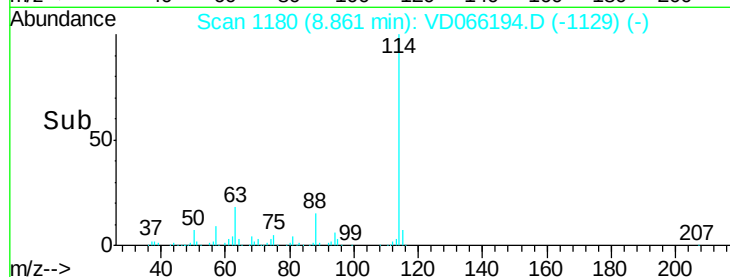
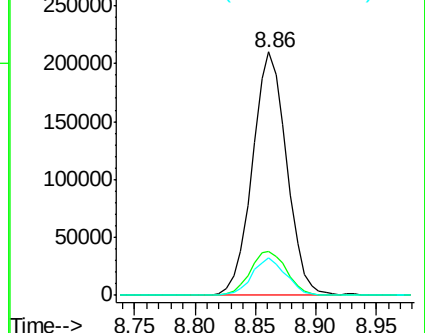
88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 47.540 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

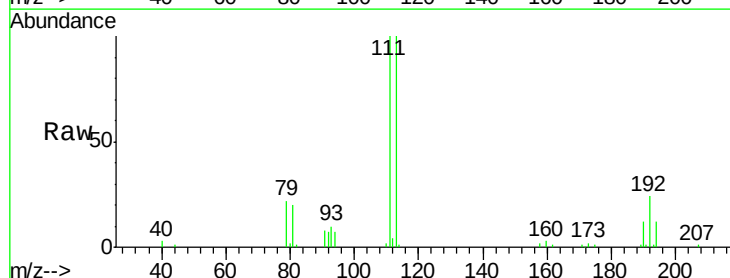
Tgt Ion:113 Resp: 124708

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

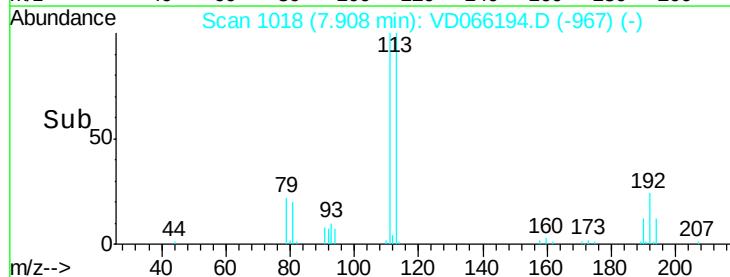
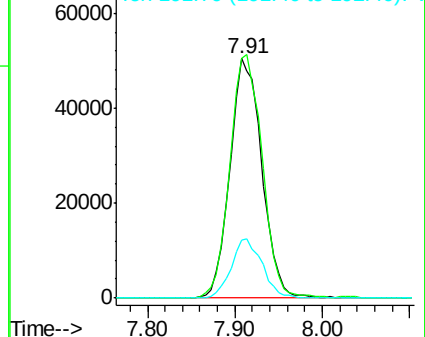
192 24.1 18.4 27.6

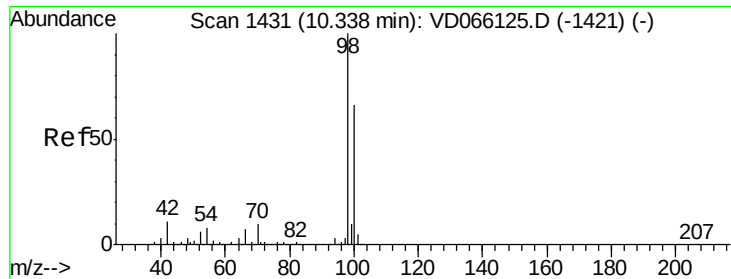


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

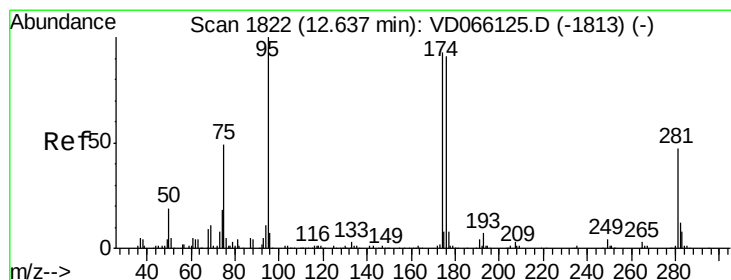
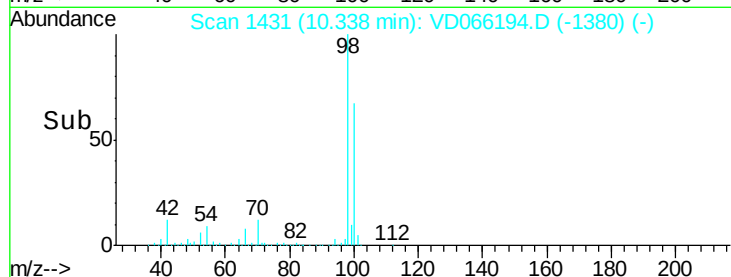
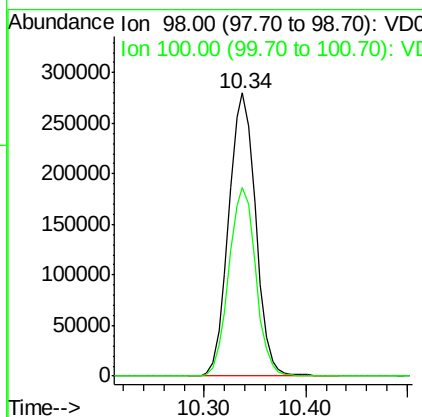
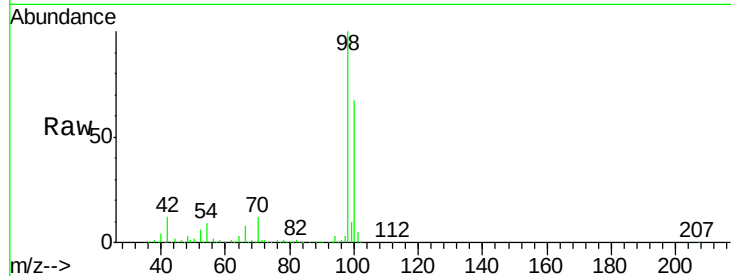




#50  
Toluene-d8  
Concen: 53.527 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD066194.D  
Acq: 11 Aug 2020 18:45

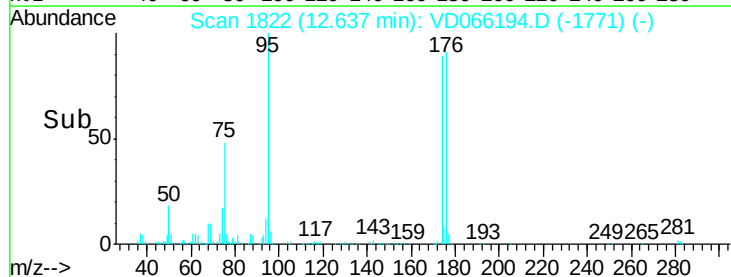
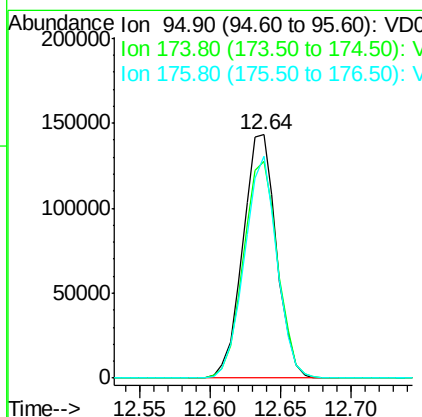
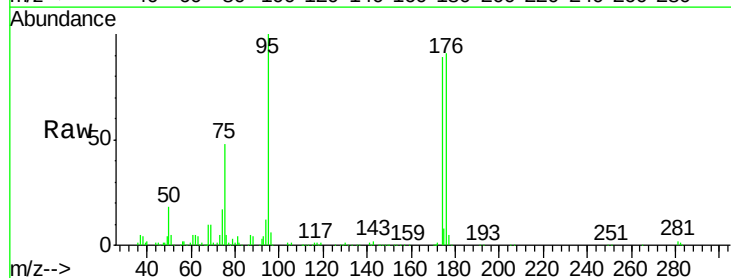
Instrument :  
MSVOA\_D  
ClientSampleId :  
CS-15

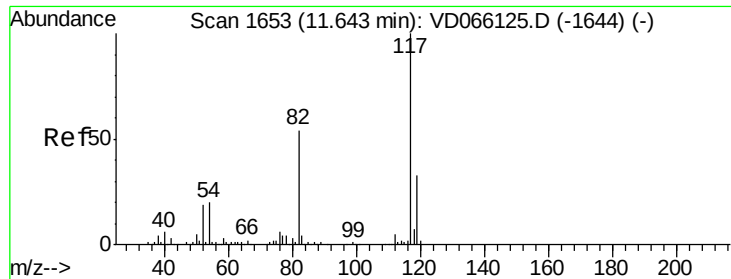
Tot Ion: 98 Resp: 518165  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 68.557 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VD066194.D  
Acq: 11 Aug 2020 18:45

Tgt Ion: 95 Resp: 239222  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 180.8  
176 88.2 0.0 181.2

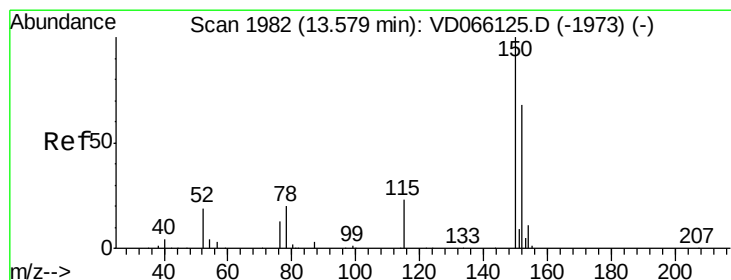
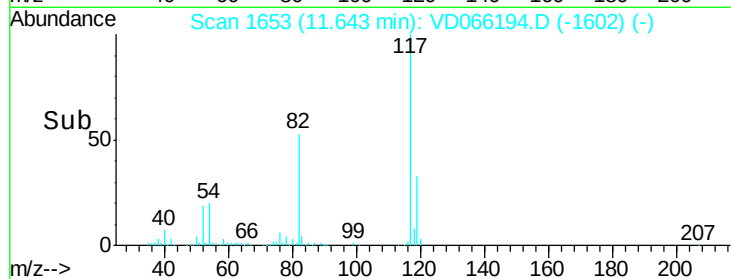
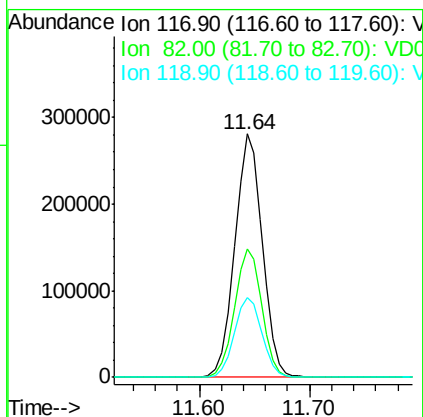
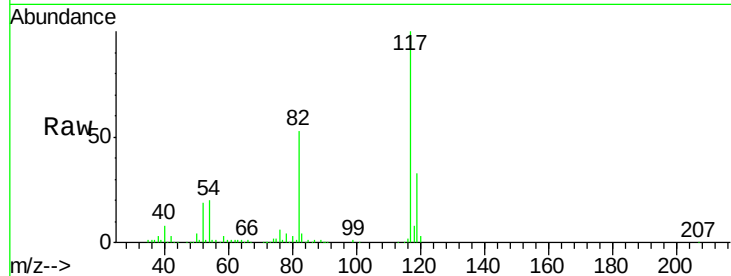




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066194.D  
Acq: 11 Aug 2020 18:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
CS-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.9  | 43.0  | 64.4  |
| 119     | 32.8  | 26.1  | 39.1  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066194.D  
Acq: 11 Aug 2020 18:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.8  | 28.0  | 83.9  |
| 150     | 158.2 | 0.0   | 346.4 |

