

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\  
 Data File : VD066852.D  
 Acq On : 24 Sep 2020 15:43  
 Operator : VA/SY  
 Sample : L4125-09  
 Misc : 5.10G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CS-27

Quant Time: Sep 25 01:54:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 23 01:34:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.97  | 168  | 390999   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 697956   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 711709   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 320986   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 217485   | 56.83  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 113.66% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 226970   | 51.11  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 102.22% |          |
| 50) Toluene-d8              | 10.34 | 98   | 851669   | 56.29  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 112.58% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 299846   | 57.89  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 115.78% |          |

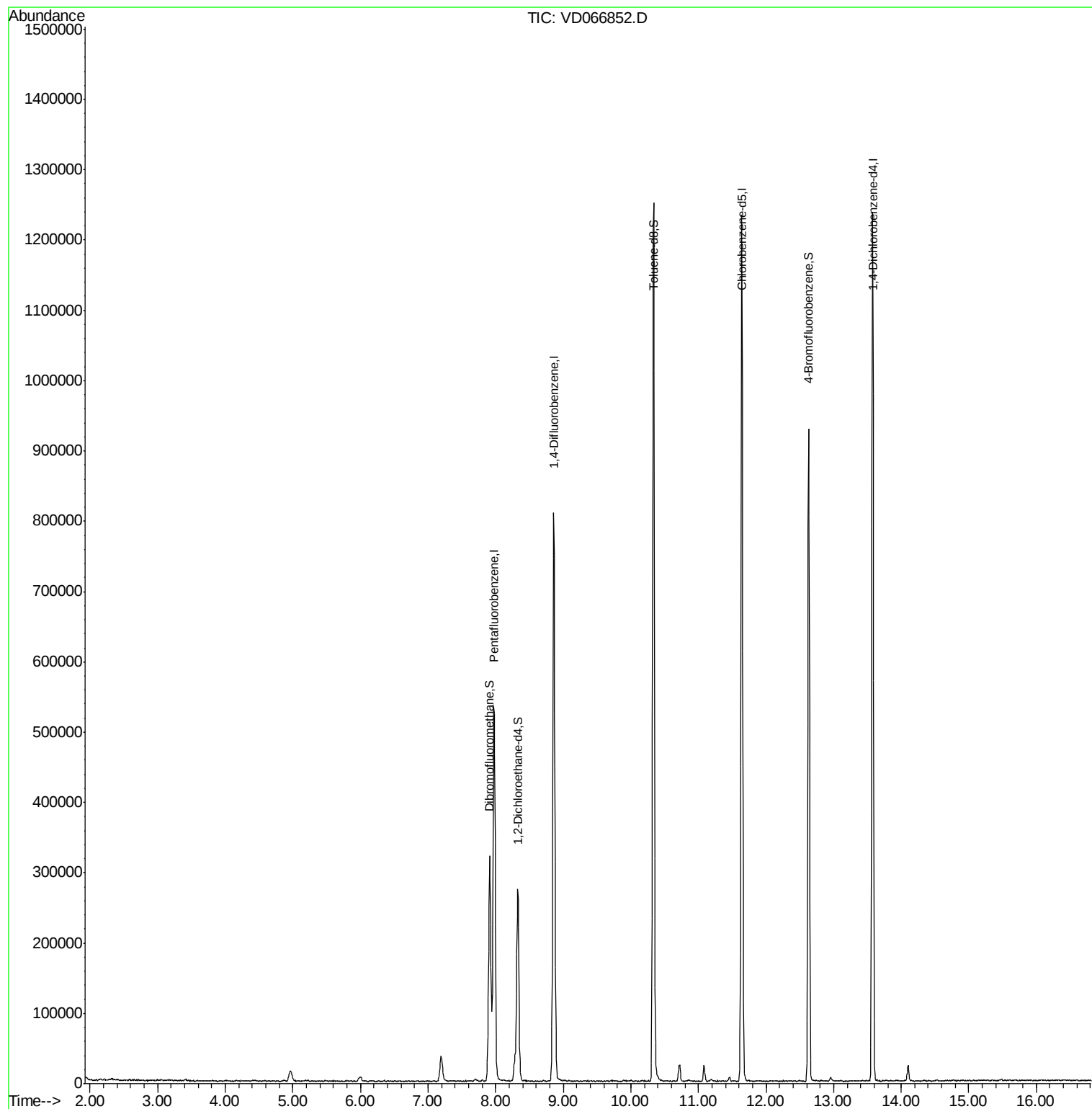
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

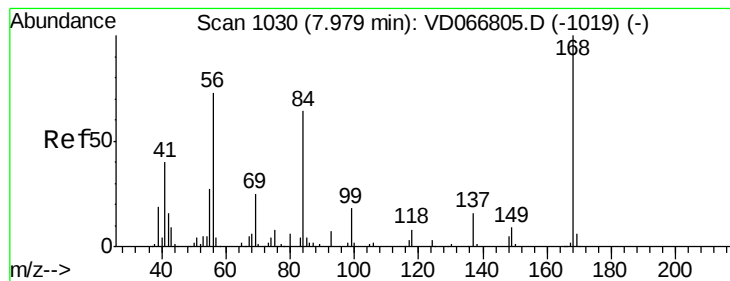
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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CS-27

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 23 01:34:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

Instrument :

MSVOA\_D

ClientSampled :

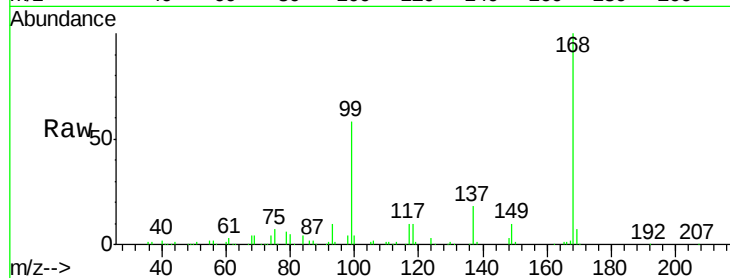
CS-27

Tot Ion:168 Resp: 390999

Ion Ratio Lower Upper

168 100

99 57.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

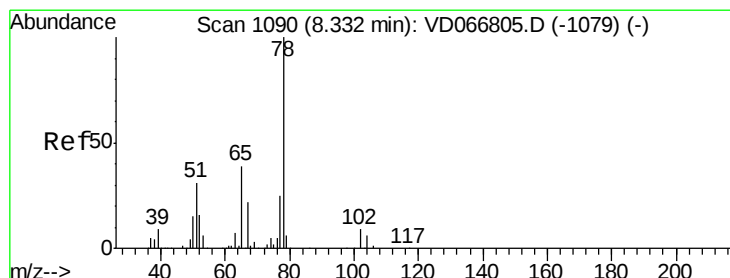
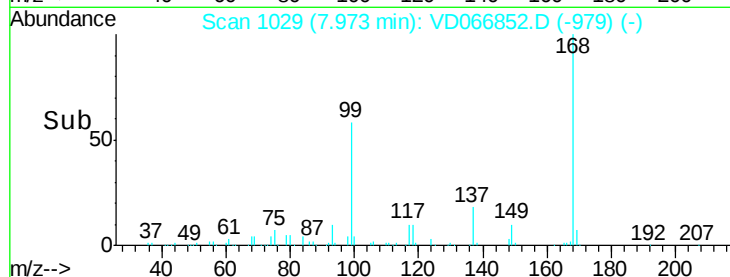
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.830 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066852.D

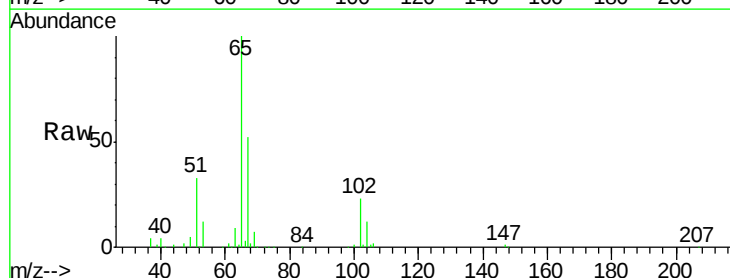
Acq: 24 Sep 2020 15:43

Tgt Ion: 65 Resp: 217485

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

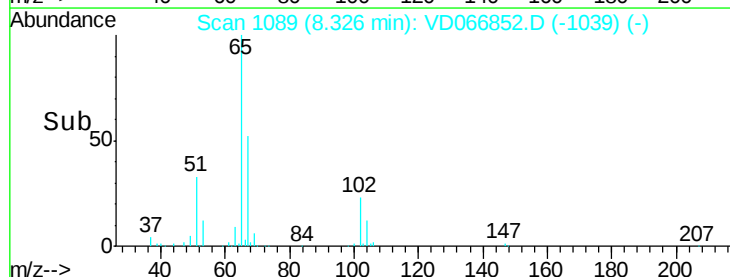
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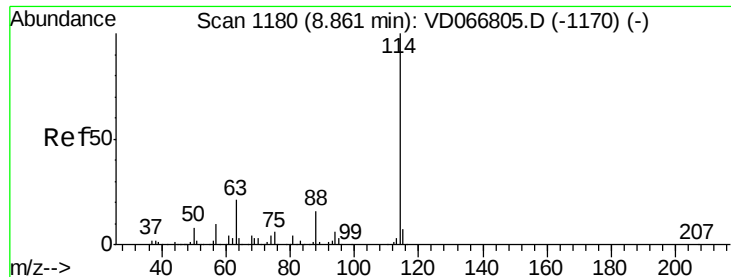
40000

20000

0

Time-->

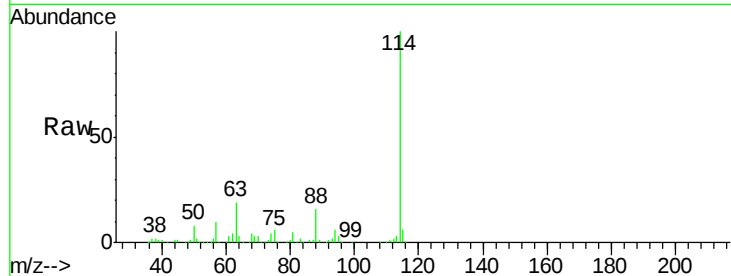




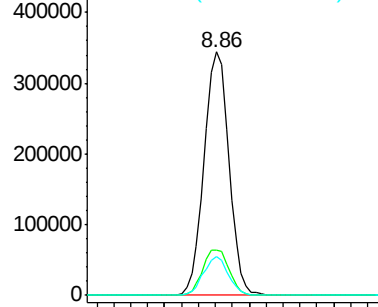
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066852.D  
 Acq: 24 Sep 2020 15:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CS-27

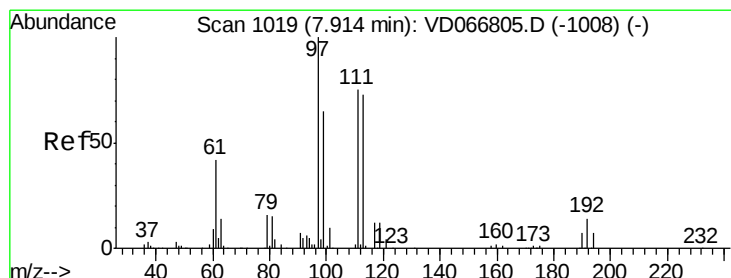
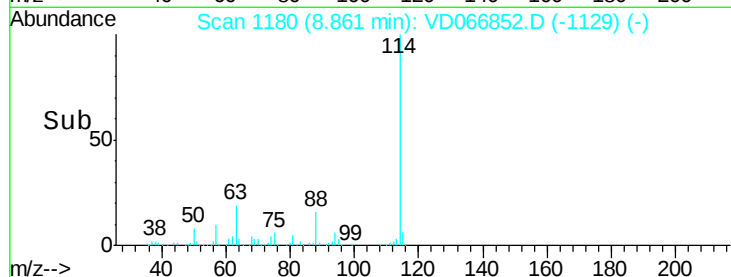
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.7  | 0.0   | 42.6  |
| 88      | 15.8  | 0.0   | 32.6  |



Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VDC  
 Ion 87.90 (87.60 to 88.60): VDC

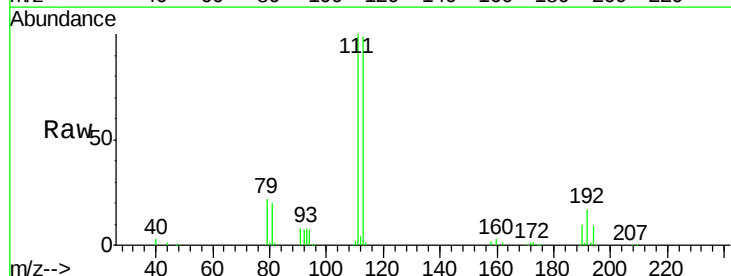


Time-->

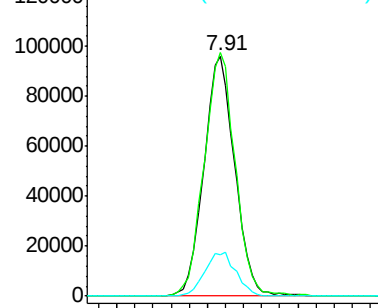


#35  
 Dibromofluoromethane  
 Concen: 51.115 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: VD066852.D  
 Acq: 24 Sep 2020 15:43

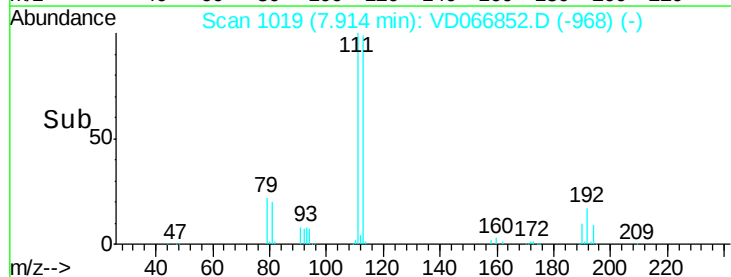
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 81.8  | 122.8 |
| 192     | 18.6  | 14.4  | 21.6  |

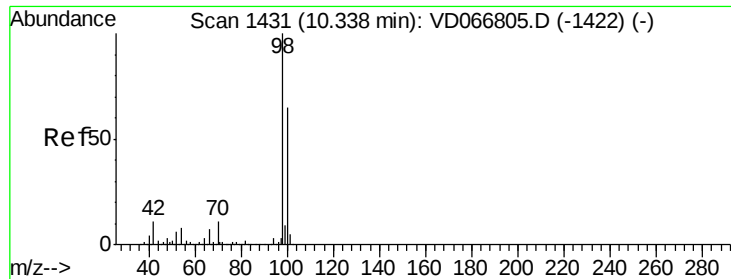


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V



Time-->





#50

Toluene-d8

Concen: 56.293 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

Instrument :

MSVOA\_D

ClientSampled :

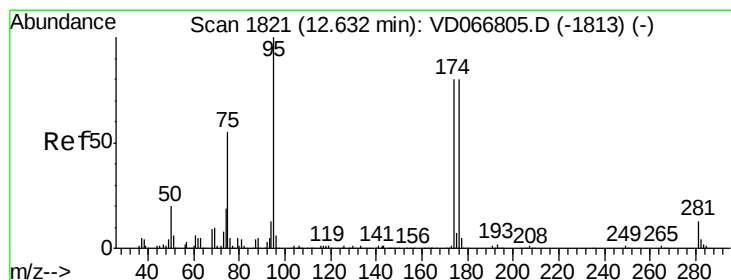
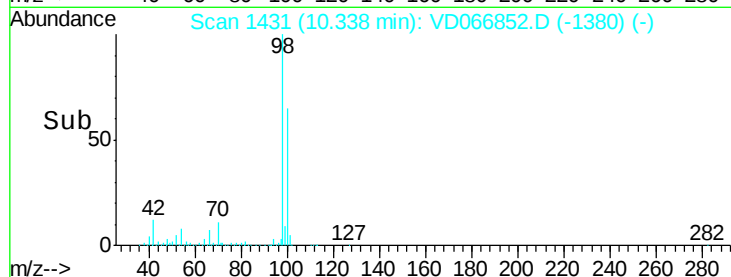
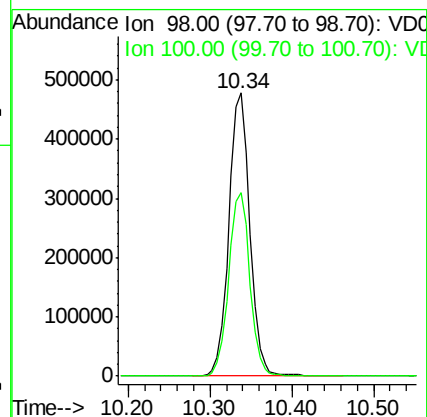
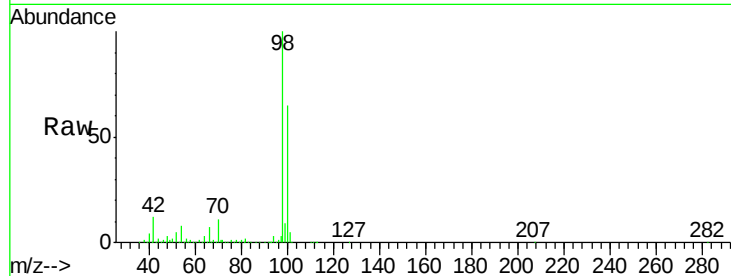
CS-27

Tot Ion: 98 Resp: 851669

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 57.894 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066852.D

Acq: 24 Sep 2020 15:43

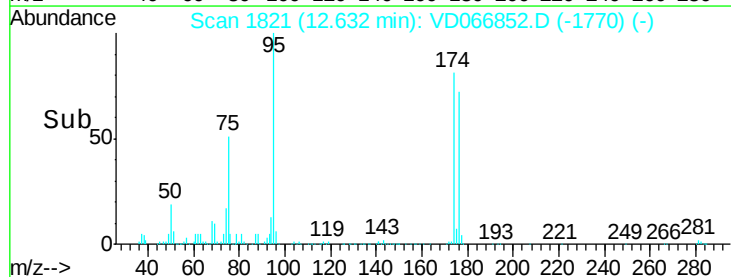
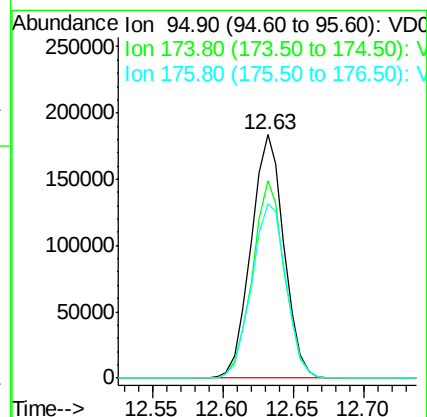
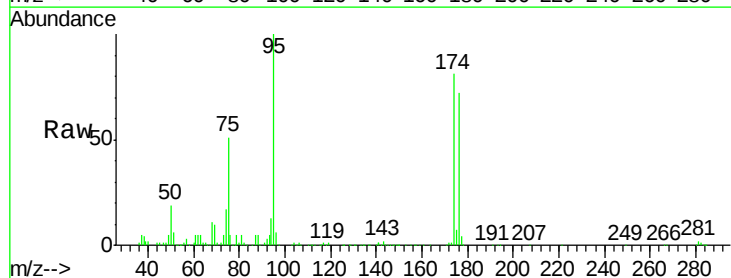
Tgt Ion: 95 Resp: 299846

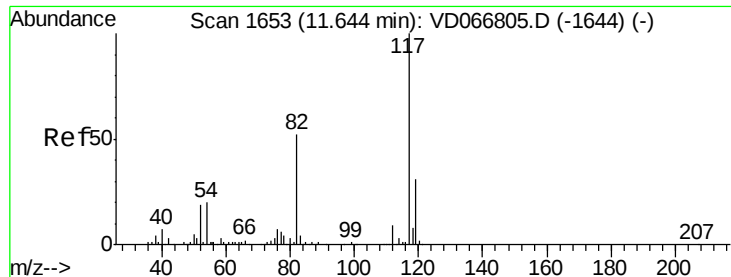
Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.8

176 75.3 0.0 154.4

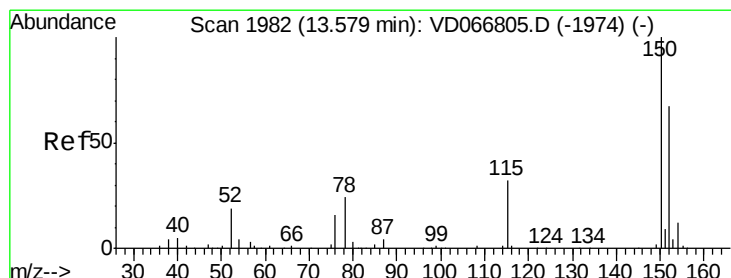
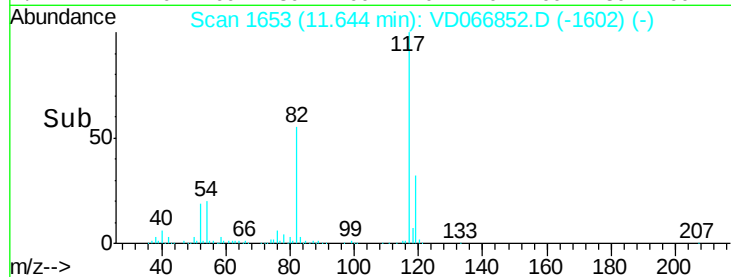
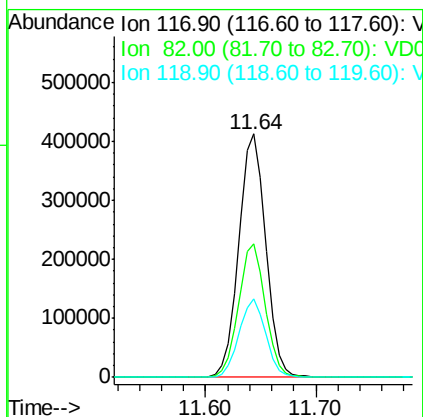
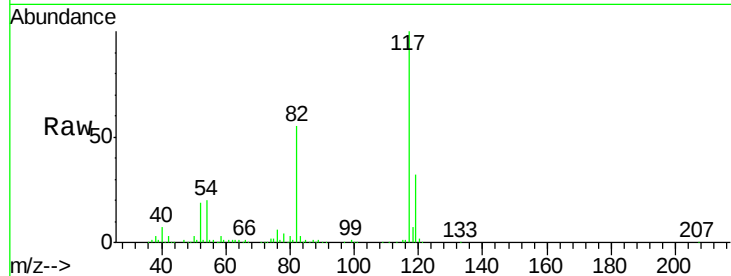




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066852.D  
Acq: 24 Sep 2020 15:43

Instrument :  
MSVOA\_D  
ClientSampled :  
CS-27

Tot Ion:117 Resp: 711709  
Ion Ratio Lower Upper  
117 100  
82 55.0 41.8 62.6  
119 32.5 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066852.D  
Acq: 24 Sep 2020 15:43

Tgt Ion:152 Resp: 320986  
Ion Ratio Lower Upper  
152 100  
115 60.0 30.3 91.0  
150 160.5 0.0 346.2

