

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\  
 Data File : VD066625.D  
 Acq On : 10 Sep 2020 19:23  
 Operator : VA/SY  
 Sample : L3962-02  
 Misc : 5.02G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-1A

Quant Time: Sep 11 03:02:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 04 01:57:04 2020  
 Response via : Initial Calibration

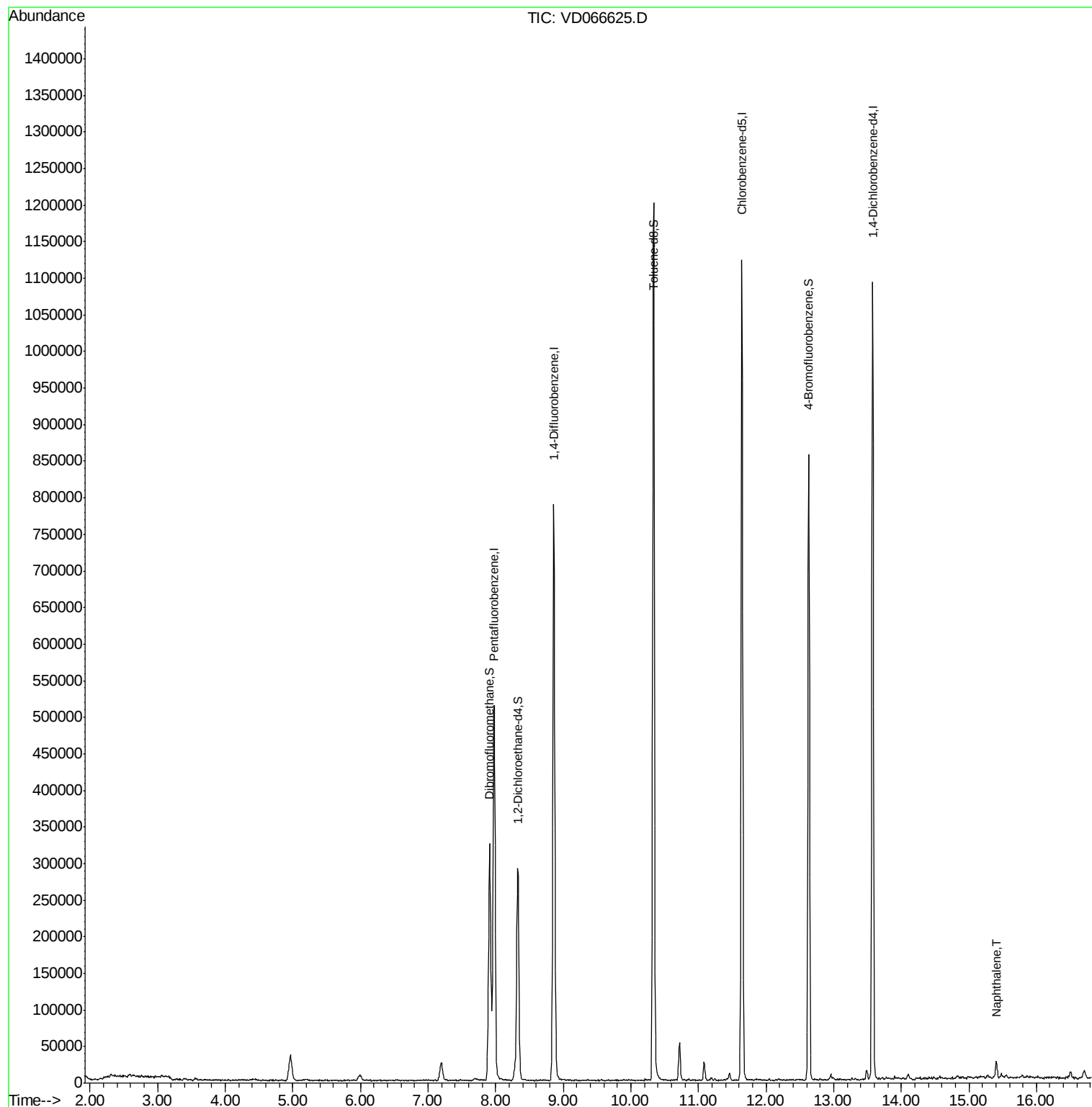
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 354608   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 640147   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 604243   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 261602   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 237758   | 55.42 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.84% |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 221052   | 51.19 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.38% |           |
| 50) Toluene-d8              | 10.34 | 98   | 799834   | 51.82 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.64% |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 257051   | 50.22 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.44% |           |
| Target Compounds            |       |      |          |       |         |           |
| 95) Naphthalene             | 15.41 | 128  | 20655    | 2.628 | ug/l    | Qvalue 96 |

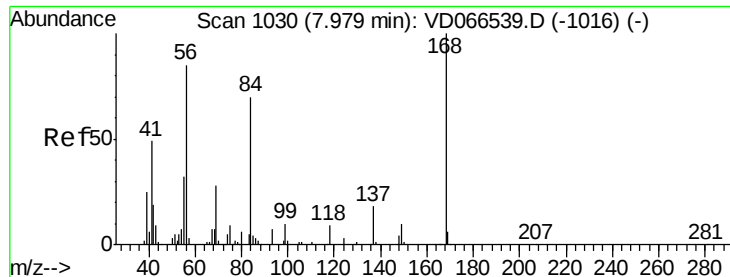
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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S-1A

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Quant Title : SW846 8260  
QLast Update : Fri Sep 04 01:57:04 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

Instrument :

MSVOA\_D

ClientSampleId :

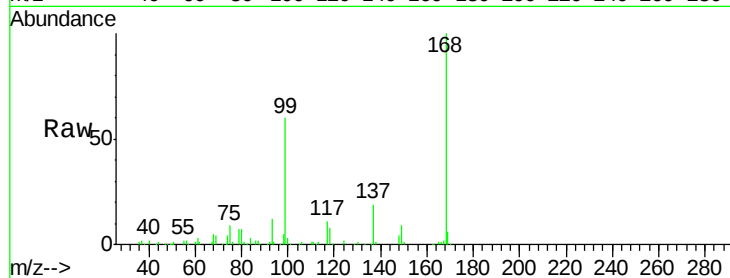
S-1A

Tot Ion:168 Resp: 354608

Ion Ratio Lower Upper

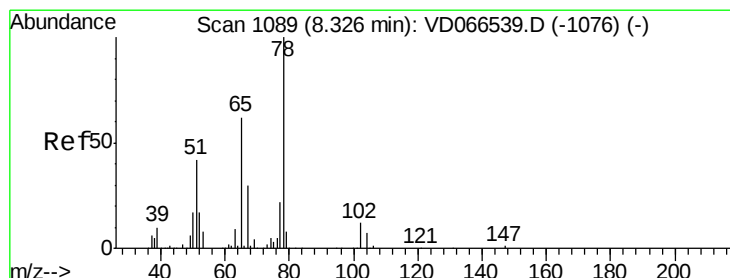
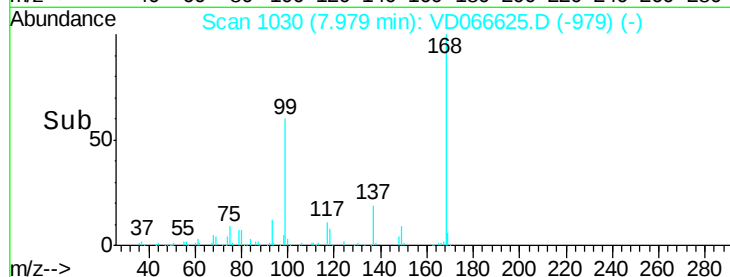
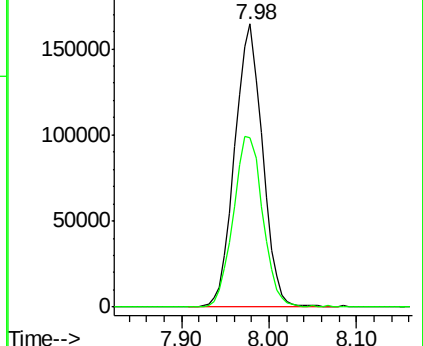
168 100

99 59.7 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 55.416 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066625.D

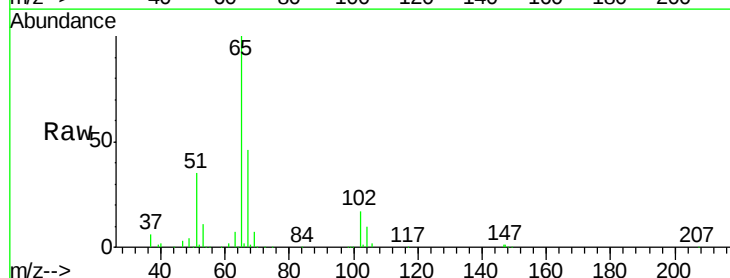
Acq: 10 Sep 2020 19:23

Tgt Ion: 65 Resp: 237758

Ion Ratio Lower Upper

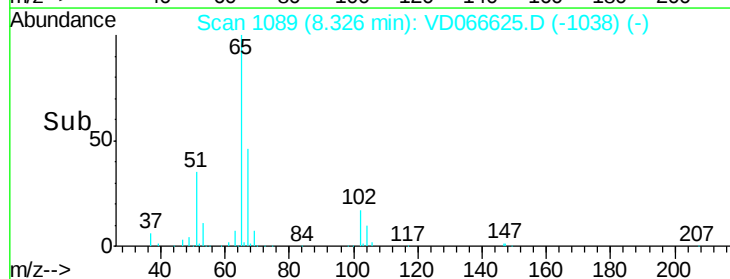
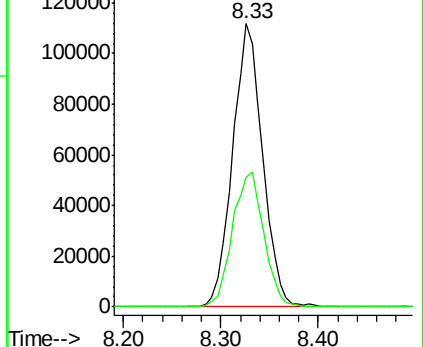
65 100

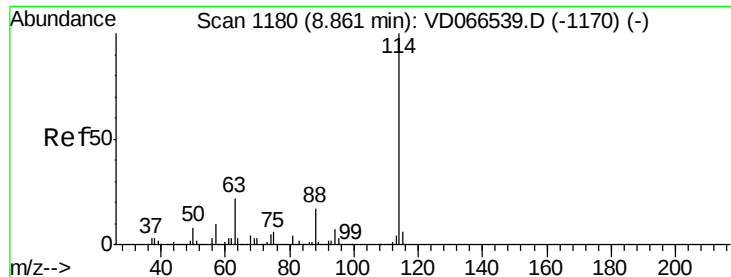
67 49.8 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

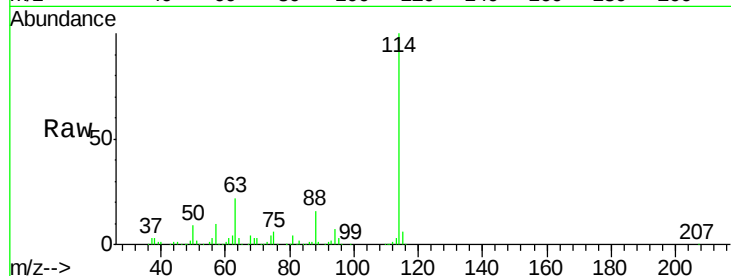




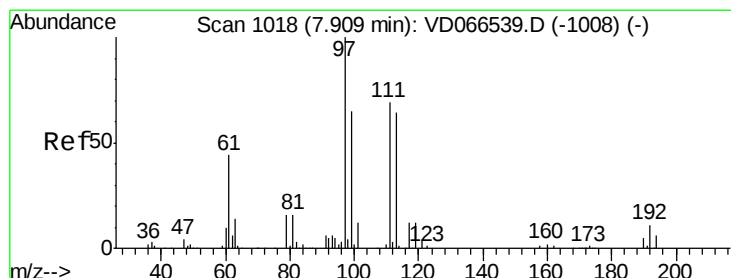
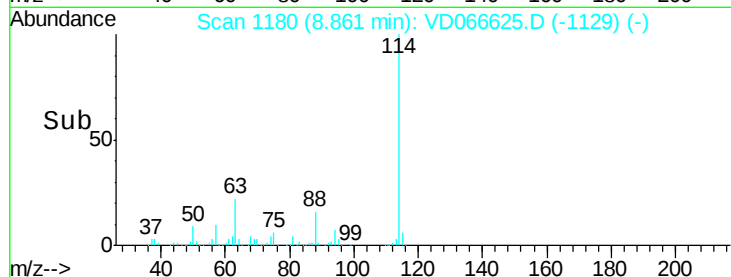
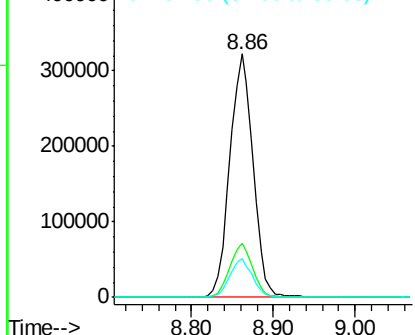
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: VD066625.D  
 Acq: 10 Sep 2020 19:23

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-1A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.2  | 0.0   | 43.2  |
| 88      | 15.9  | 0.0   | 33.2  |

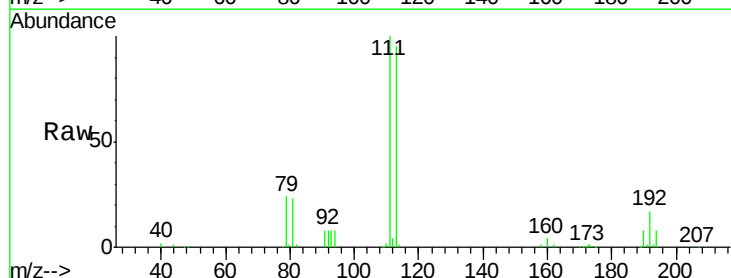


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

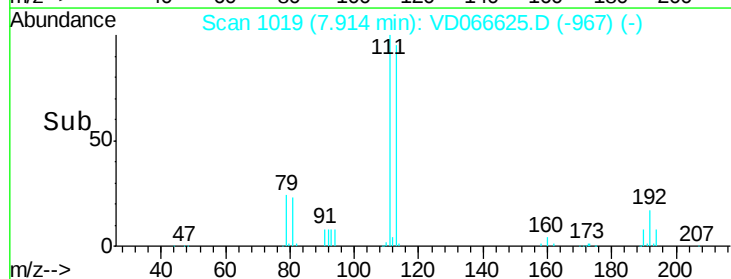
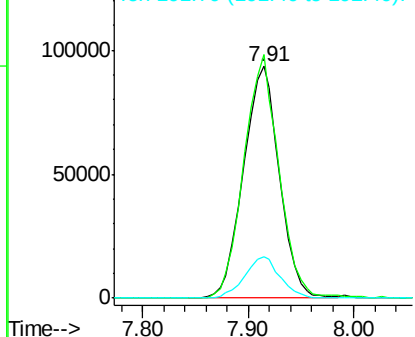


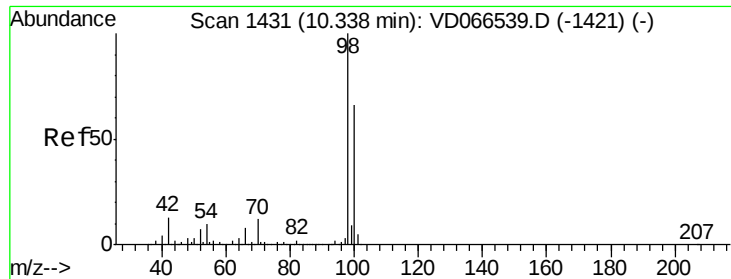
#35  
 Dibromofluoromethane  
 Concen: 51.187 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.01 min  
 Lab File: VD066625.D  
 Acq: 10 Sep 2020 19:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 83.2  | 124.8 |
| 192     | 17.5  | 13.7  | 20.5  |



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

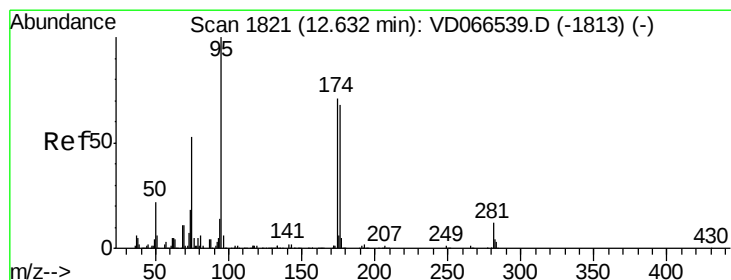
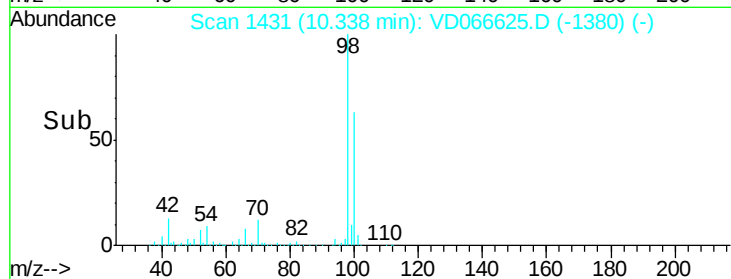
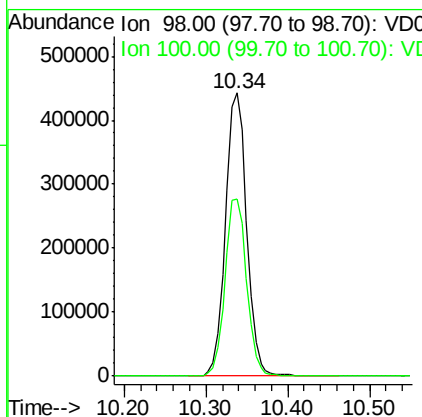
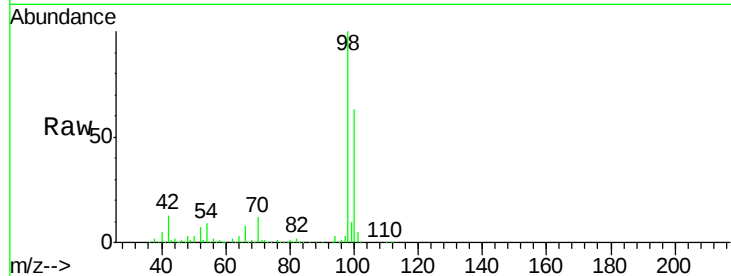




#50  
Toluene-d8  
Concen: 51.820 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD066625.D  
Acq: 10 Sep 2020 19:23

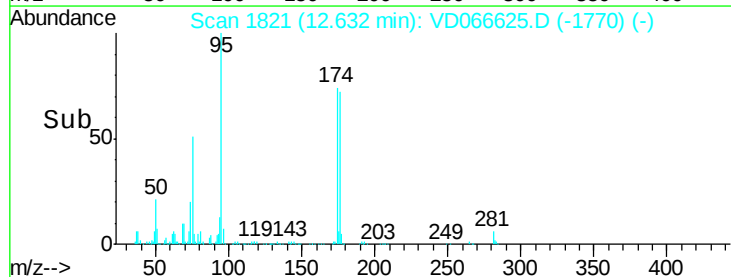
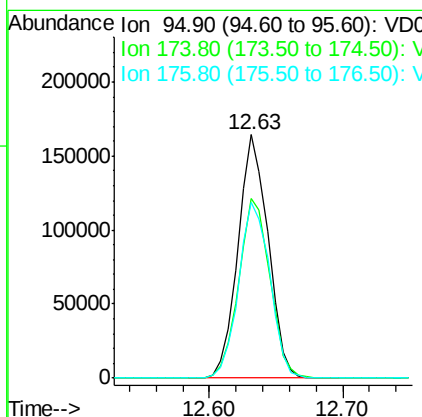
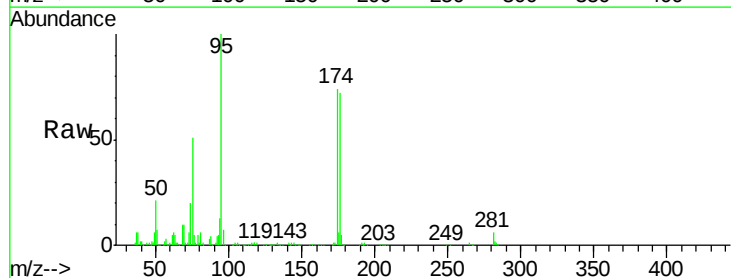
Instrument :  
MSVOA\_D  
ClientSampleId :  
S-1A

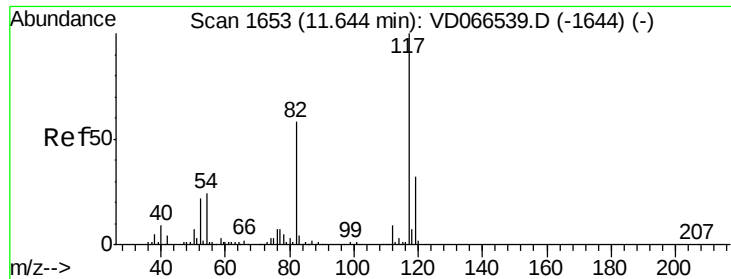
Tot Ion: 98 Resp: 799834  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 50.224 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VD066625.D  
Acq: 10 Sep 2020 19:23

Tgt Ion: 95 Resp: 257051  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 155.8  
176 74.4 0.0 148.6

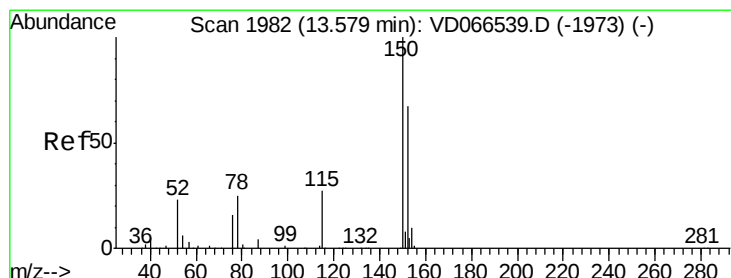
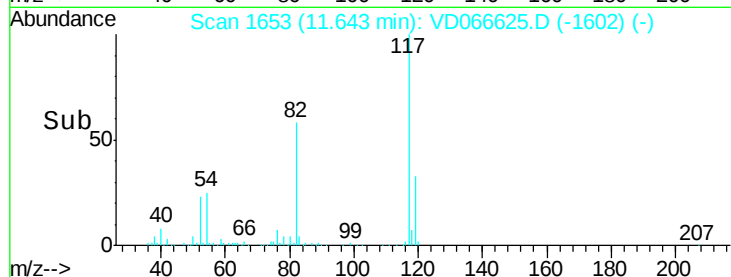
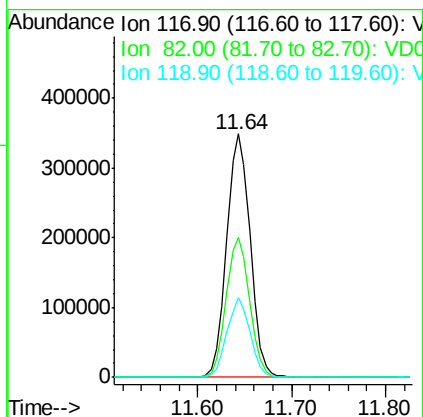
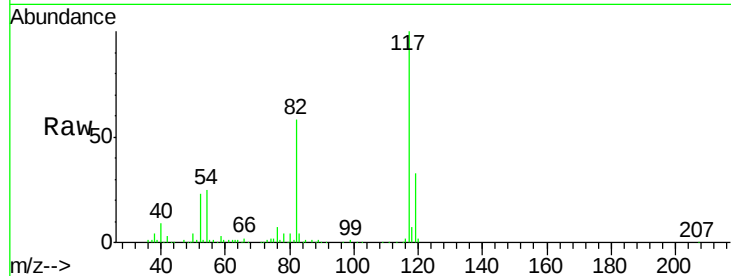




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066625.D  
Acq: 10 Sep 2020 19:23

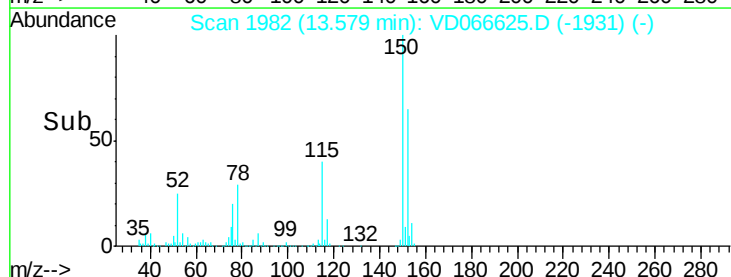
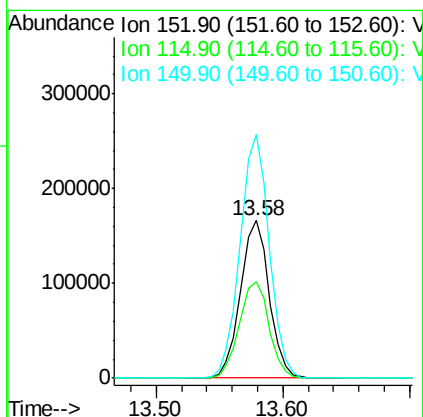
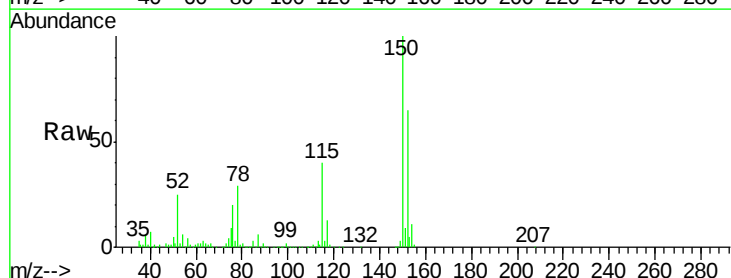
Instrument :  
MSVOA\_D  
ClientSampleId :  
S-1A

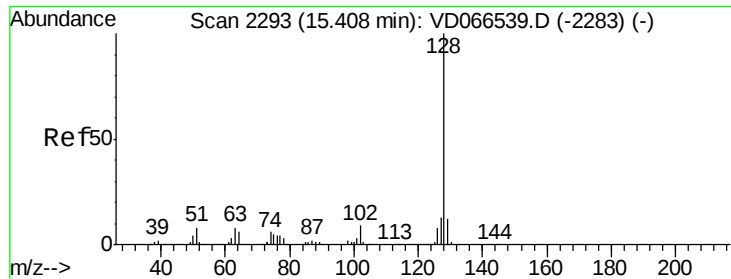
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.6  | 46.2  | 69.2  |
| 119     | 33.0  | 25.8  | 38.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066625.D  
Acq: 10 Sep 2020 19:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.5  | 30.4  | 91.2  |
| 150     | 156.5 | 0.0   | 345.8 |





#95

Naphthalene

Concen: 2.628 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

Instrument :

MSVOA\_D

ClientSampleId :

S-1A

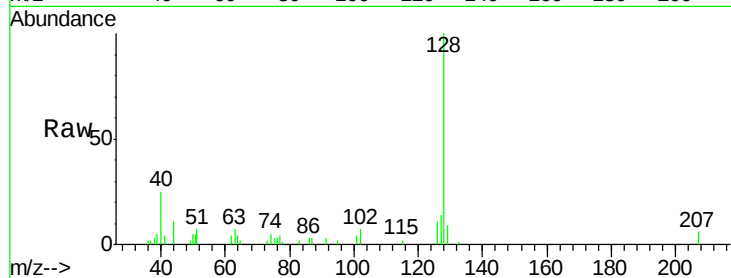
Tot Ion:128 Resp: 20655

Ion Ratio Lower Upper

128 100

127 15.8 10.7 16.1

129 10.5 9.1 13.7



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

