

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
 Data File : VD067063.D  
 Acq On : 03 Oct 2020 05:11  
 Operator : VA/SY  
 Sample : L4247-09  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-19(7-9)

Quant Time: Oct 03 07:18:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 15:19:17 2020  
 Response via : Initial Calibration

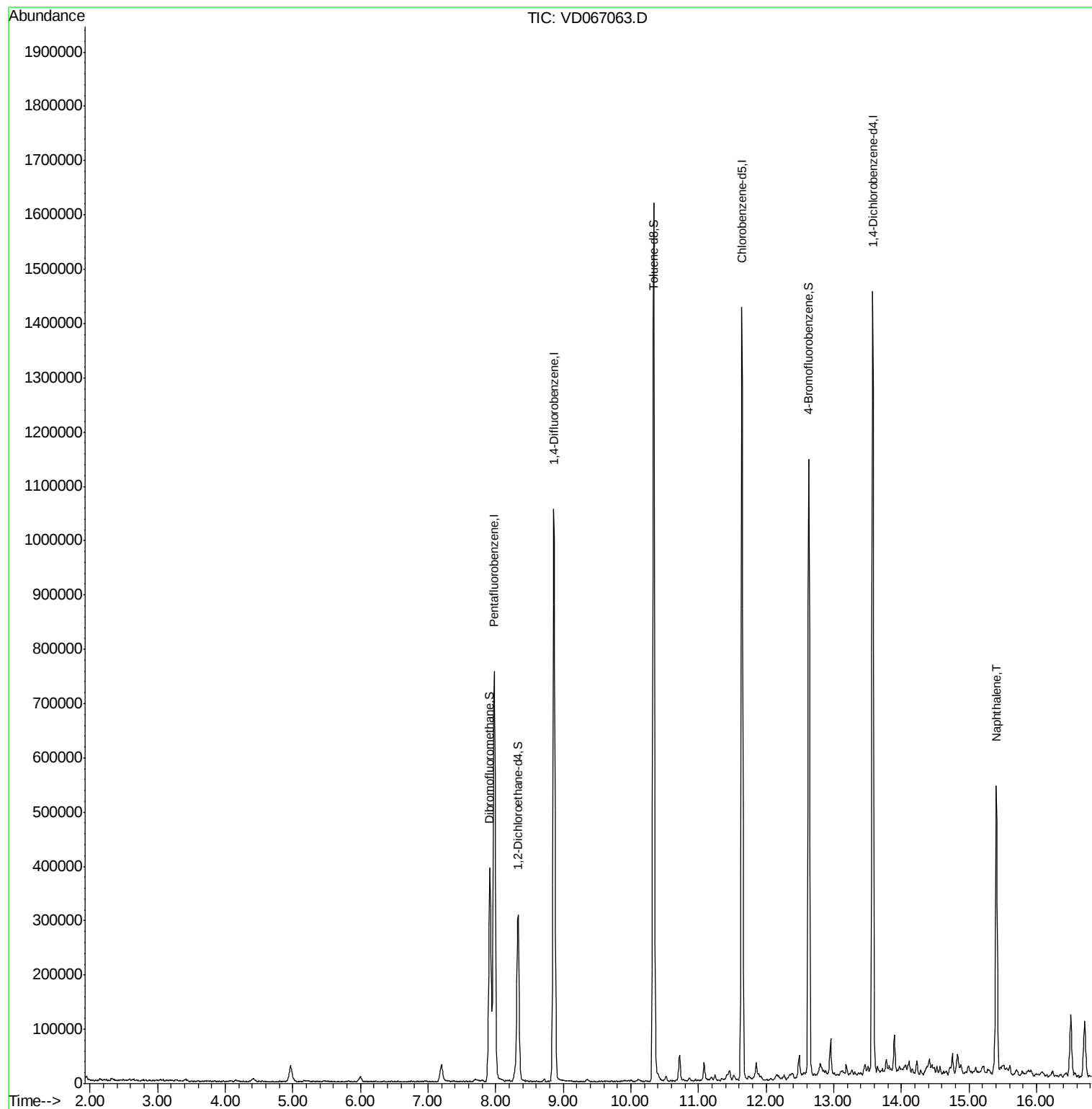
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|--------|------------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 573006   | 50.00  | ug/l   | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 940497   | 50.00  | ug/l   | 0.00       |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 852519   | 50.00  | ug/l   | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 401732   | 50.00  | ug/l   | 0.00       |
| System Monitoring Compounds |       |      |          |        |        |            |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 248321   | 44.99  | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.98% |            |
| 35) Dibromofluoromethane    | 7.91  | 113  | 286997   | 46.61  | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.22% |            |
| 50) Toluene-d8              | 10.34 | 98   | 1109817  | 49.47  | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.94% |            |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 368477   | 48.38  | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.76% |            |
| Target Compounds            |       |      |          |        |        |            |
| 95) Naphthalene             | 15.41 | 128  | 478506   | 39.583 | ug/l   | Qvalue 100 |

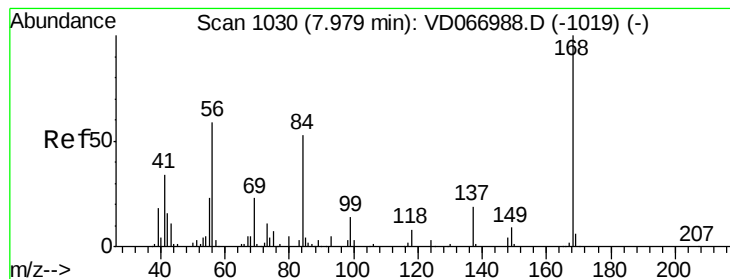
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067063.D  
Acq On : 03 Oct 2020 05:11  
Operator : VA/SY  
Sample : L4247-09  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-19(7-9)

Quant Time: Oct 03 07:18:38 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 01 15:19:17 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: VD067063.D

Acq: 03 Oct 2020 05:11

Instrument :

MSVOA\_D

ClientSampleId :

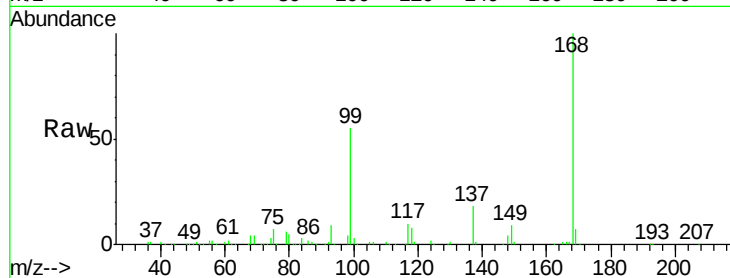
B-19(7-9)

Tot Ion:168 Resp: 573006

Ion Ratio Lower Upper

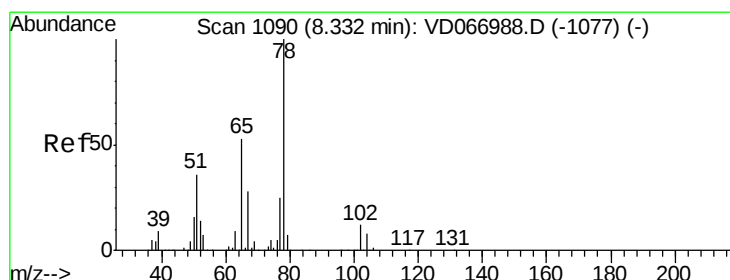
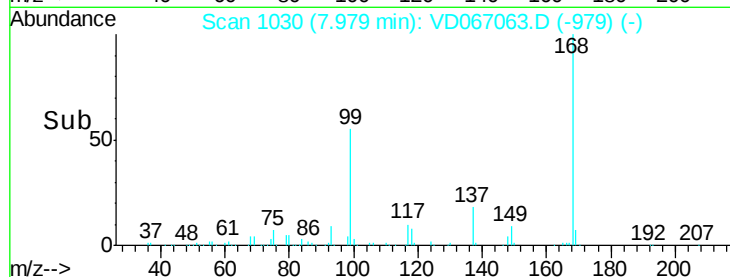
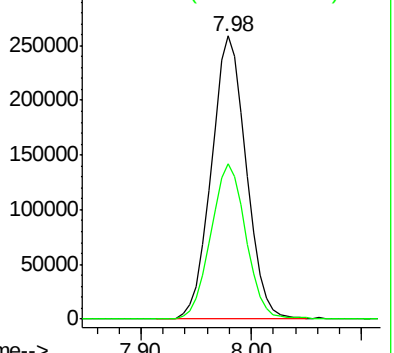
168 100

99 55.1 44.1 66.1



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: 44.992 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067063.D

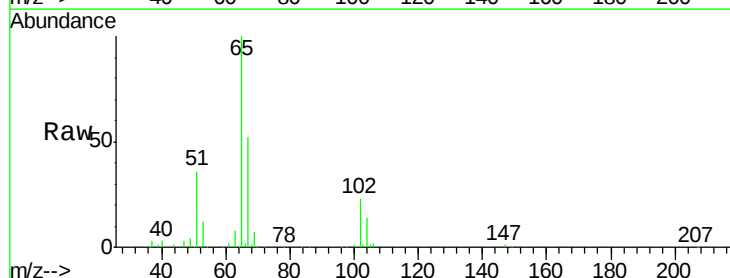
Acq: 03 Oct 2020 05:11

Tgt Ion: 65 Resp: 248321

Ion Ratio Lower Upper

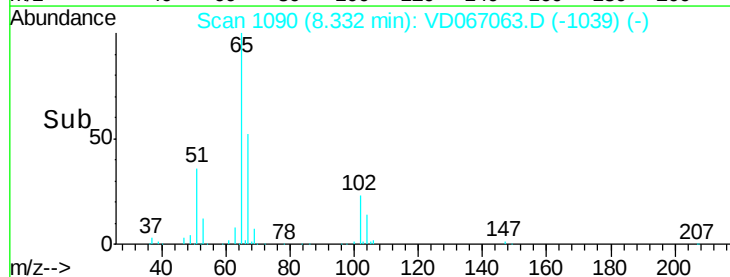
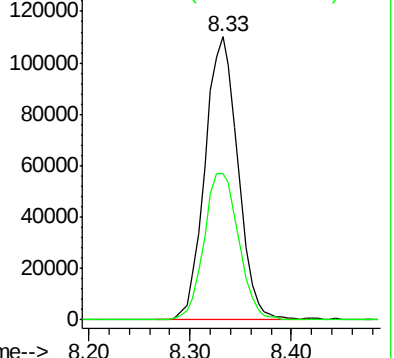
65 100

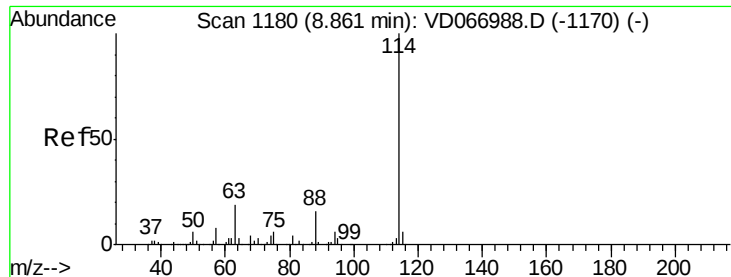
67 54.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

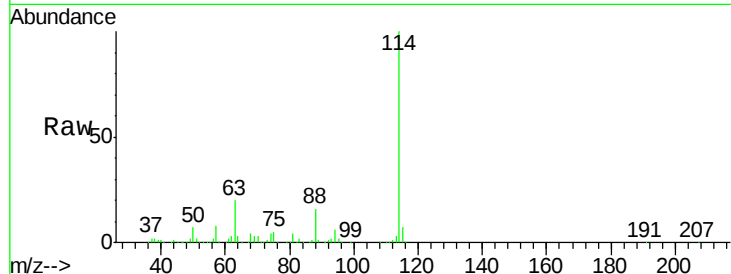




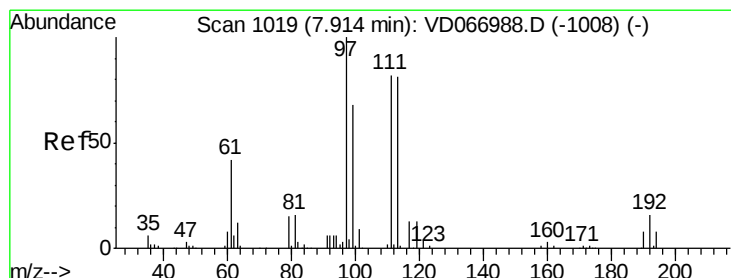
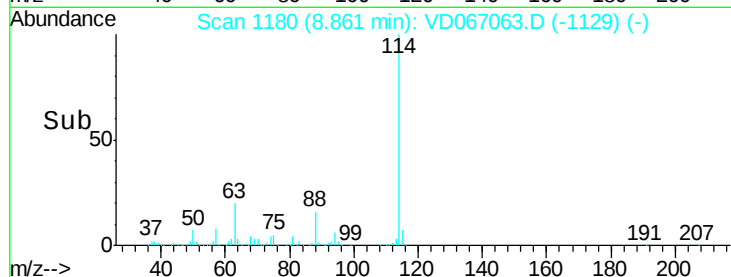
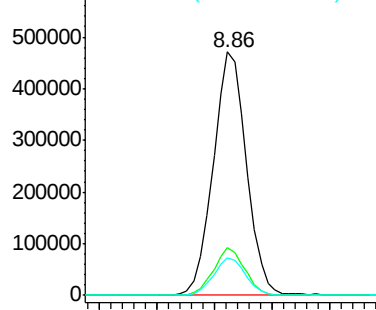
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD067063.D  
 Acq: 03 Oct 2020 05:11

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-19(7-9)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.7  | 0.0   | 38.4  |
| 88      | 15.7  | 0.0   | 31.2  |

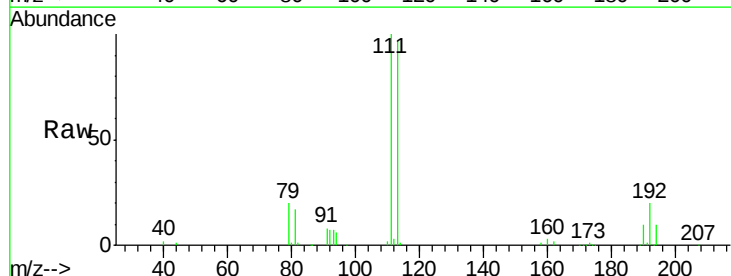


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

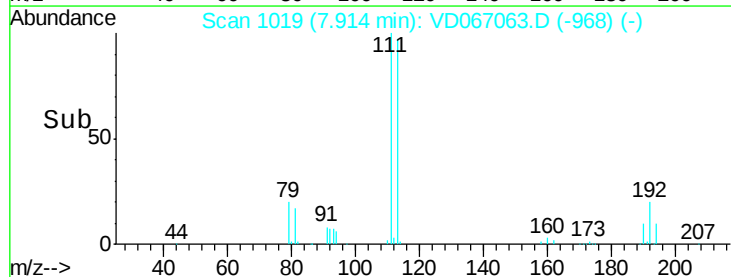
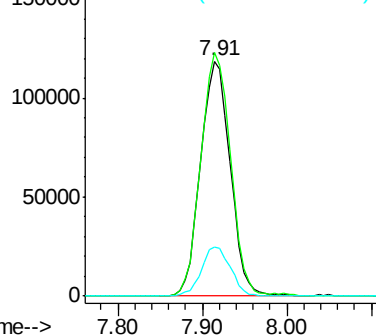


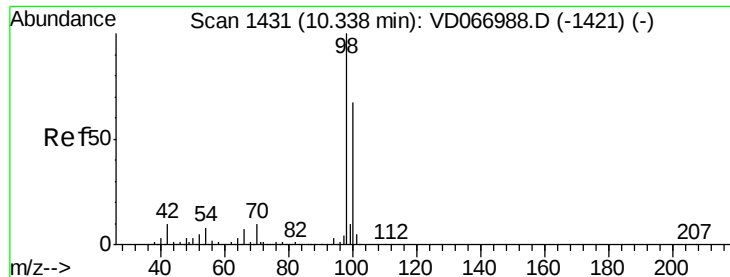
#35  
 Dibromofluoromethane  
 Concen: 46.611 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: VD067063.D  
 Acq: 03 Oct 2020 05:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.6 | 83.0  | 124.4 |
| 192     | 20.7  | 15.5  | 23.3  |



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: 49.465 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067063.D

Acq: 03 Oct 2020 05:11

Instrument :

MSVOA\_D

ClientSampleId :

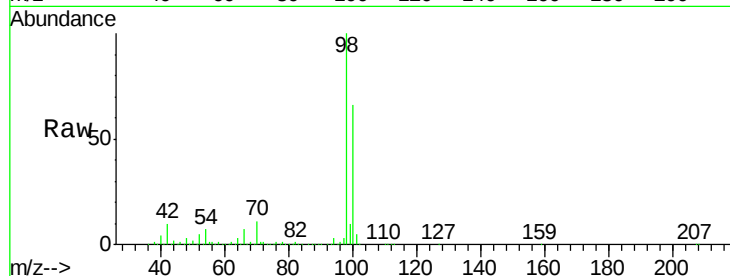
B-19(7-9)

Tot Ion: 98 Resp: 1109817

Ion Ratio Lower Upper

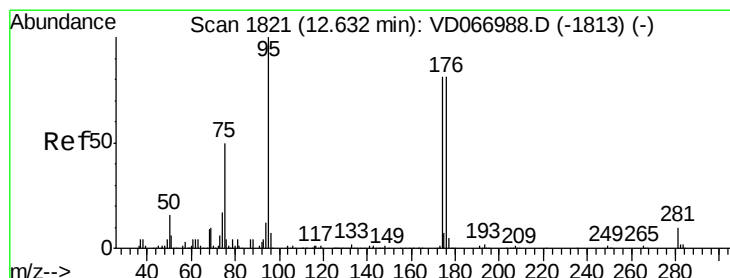
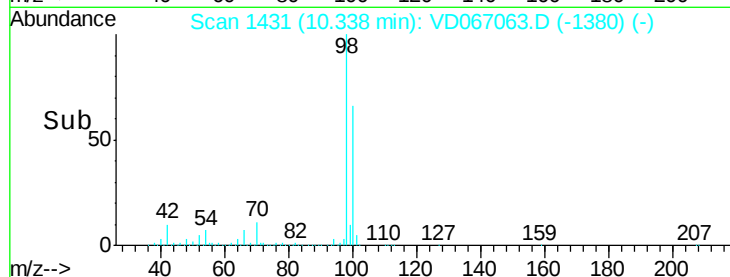
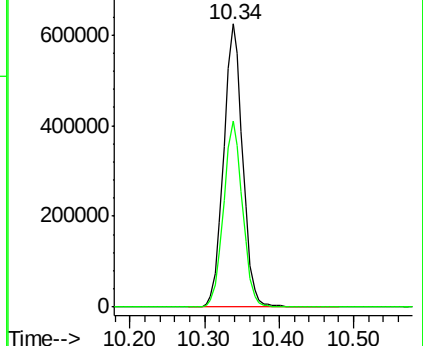
98 100

100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 48.378 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067063.D

Acq: 03 Oct 2020 05:11

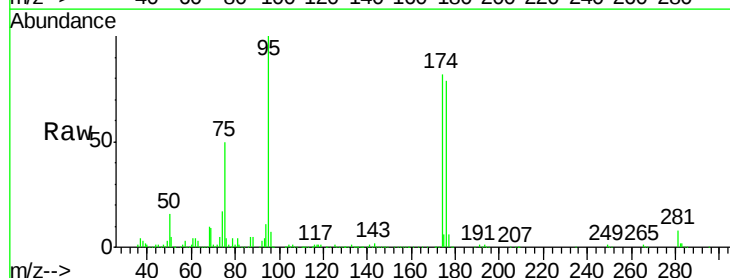
Tgt Ion: 95 Resp: 368477

Ion Ratio Lower Upper

95 100

174 84.9 0.0 167.6

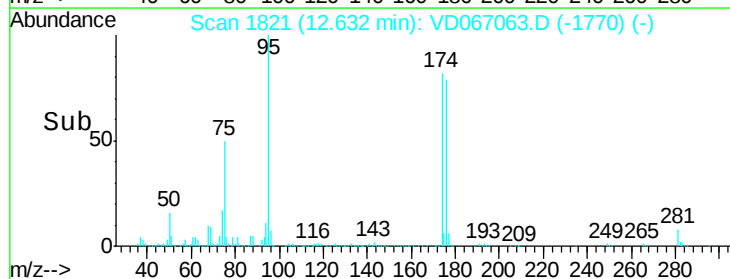
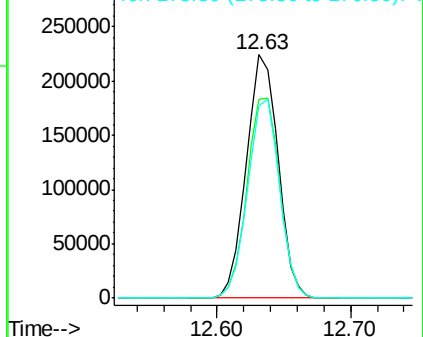
176 82.0 0.0 162.4

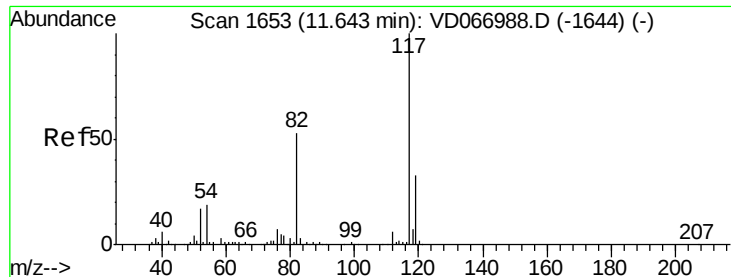


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

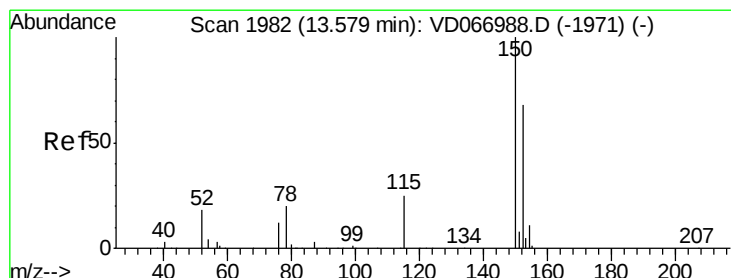
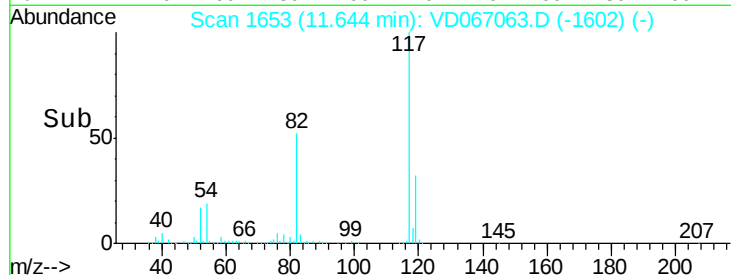
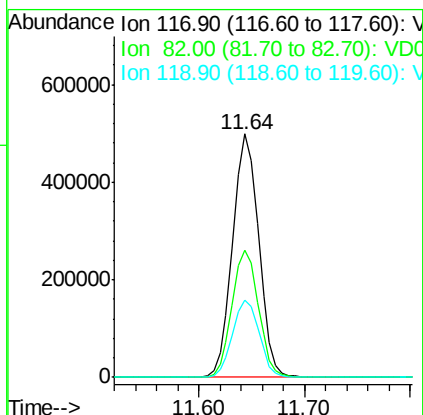
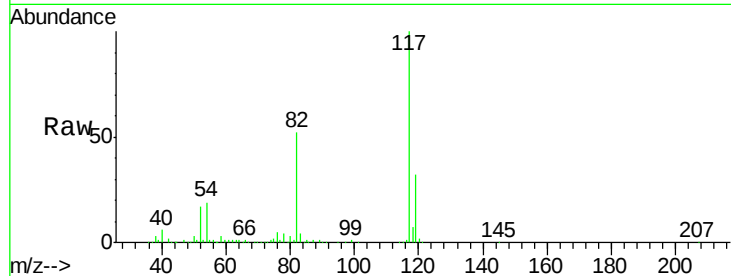




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD067063.D  
Acq: 03 Oct 2020 05:11

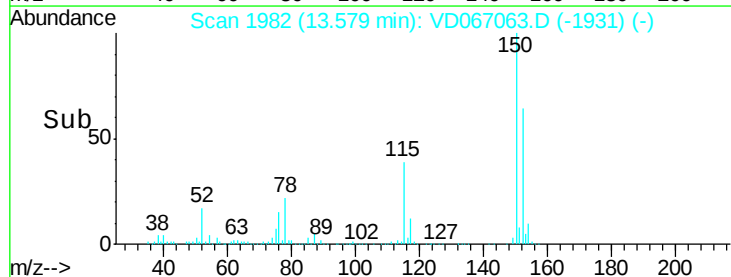
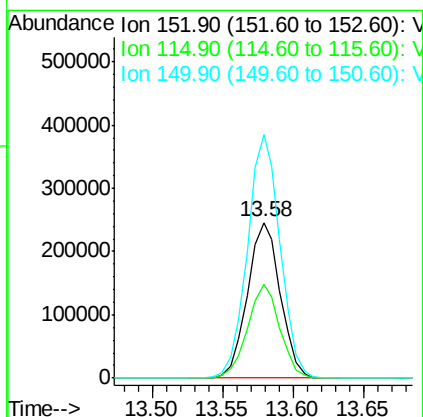
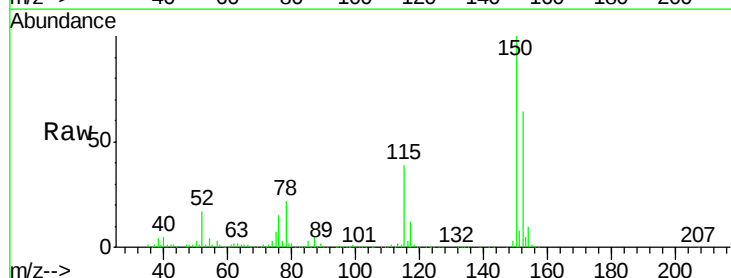
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-19(7-9)

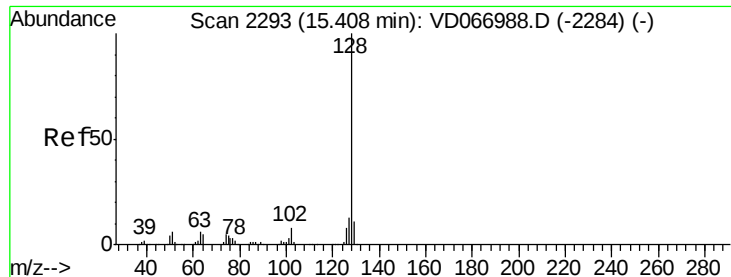
Tot Ion:117 Resp: 852519  
Ion Ratio Lower Upper  
117 100  
82 52.0 42.6 63.8  
119 31.9 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD067063.D  
Acq: 03 Oct 2020 05:11

Tgt Ion:152 Resp: 401732  
Ion Ratio Lower Upper  
152 100  
115 59.0 29.6 88.8  
150 154.9 0.0 344.8

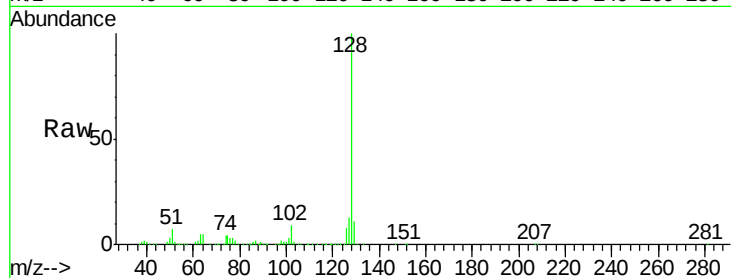




#95  
Naphthalene  
Concen: 39.583 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. 0.00 min  
Lab File: VD067063.D  
Acq: 03 Oct 2020 05:11

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-19(7-9)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.3  | 15.5  |
| 129     | 10.7  | 8.6   | 13.0  |



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

