

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022223\  
 Data File : VD075396.D  
 Acq On : 22 Feb 2023 12:49  
 Operator : KP/SY  
 Sample : VD0222SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0222SBL01

Quant Time: Feb 22 22:36:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 21 16:26:04 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 52724    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 91294    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.587 | 117  | 83201    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 35496    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 25376    | 56.298   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.600% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 26314    | 48.553   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.100%  |
| 50) Toluene-d8              | 10.269 | 98    | 82129    | 41.990   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 83.980%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 28006    | 42.643   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 85.280%  |

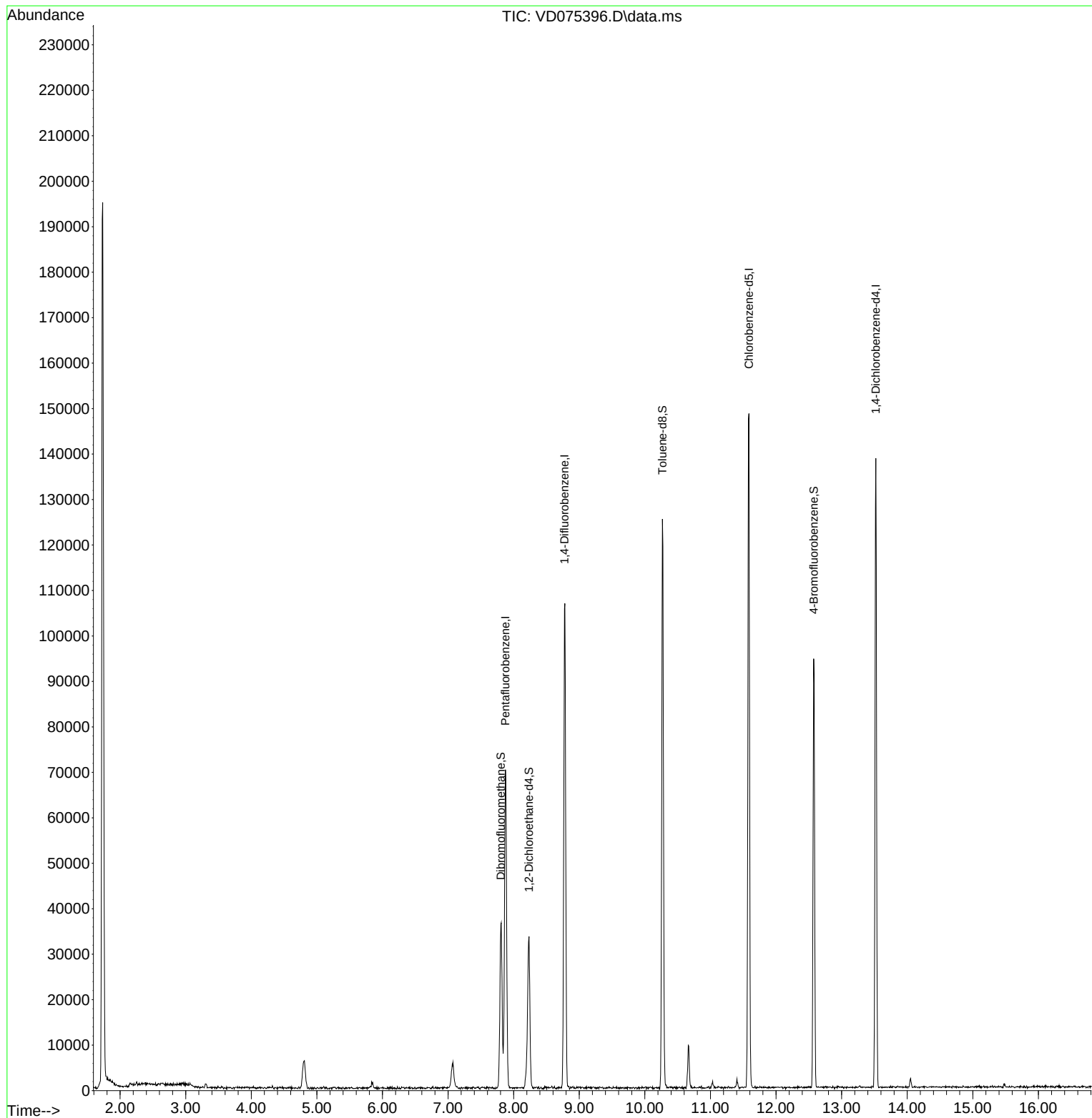
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

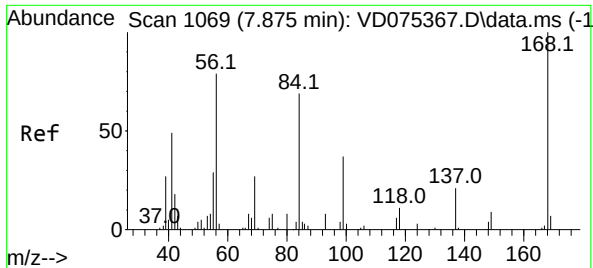
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Feb 21 16:26:04 2023  
Response via : Initial Calibration

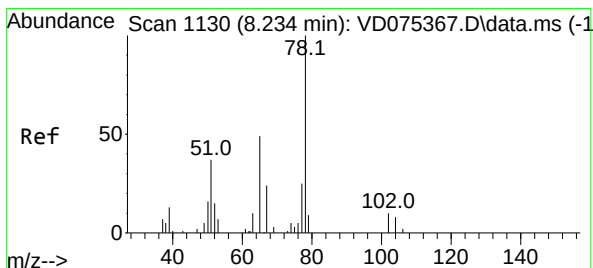
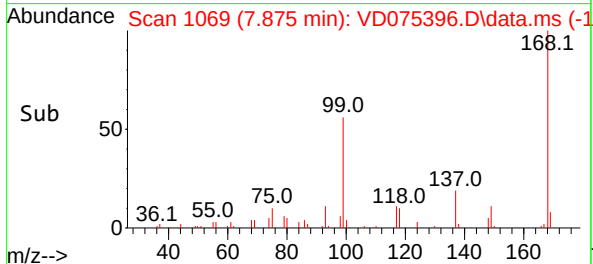
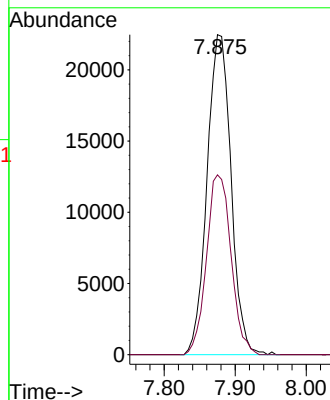
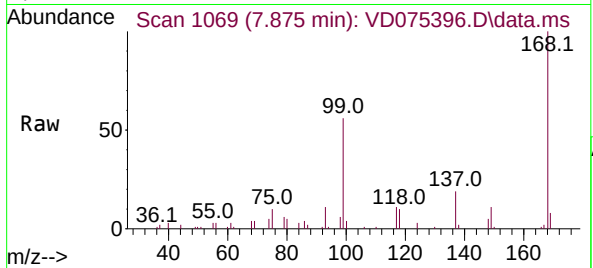




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075396.D  
Acq: 22 Feb 2023 12:49

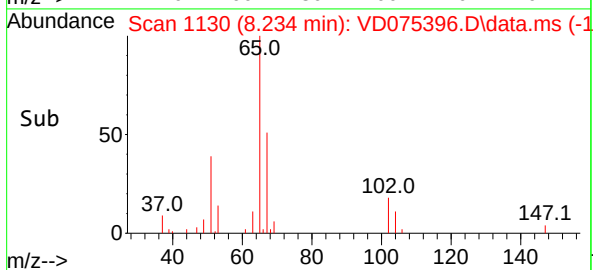
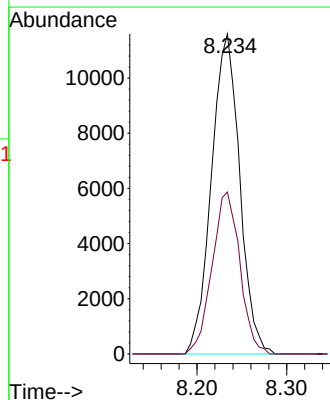
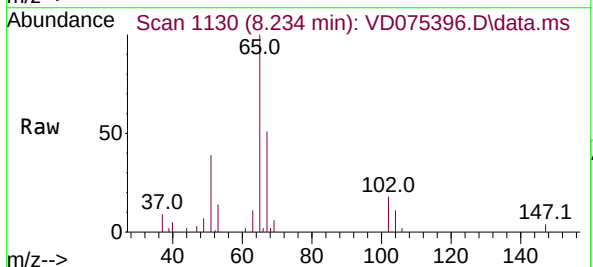
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0222SBL01

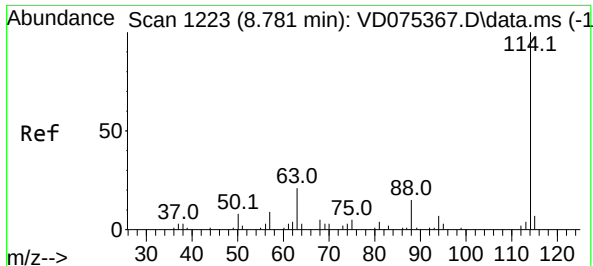
Tgt Ion:168 Resp: 52724  
Ion Ratio Lower Upper  
168 100  
99 56.2 43.8 65.6



#33  
1,2-Dichloroethane-d4  
Concen: 56.298 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VD075396.D  
Acq: 22 Feb 2023 12:49

Tgt Ion: 65 Resp: 25376  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075396.D

Acq: 22 Feb 2023 12:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0222SBL01

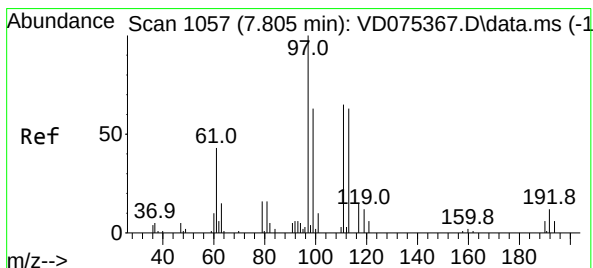
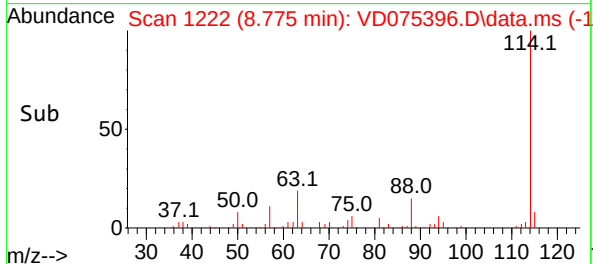
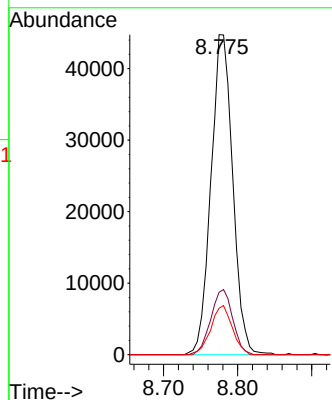
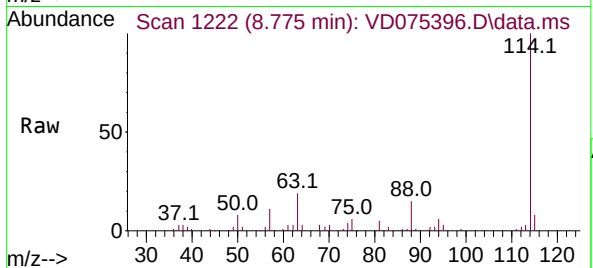
Tgt Ion:114 Resp: 91294

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.553 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD075396.D

Acq: 22 Feb 2023 12:49

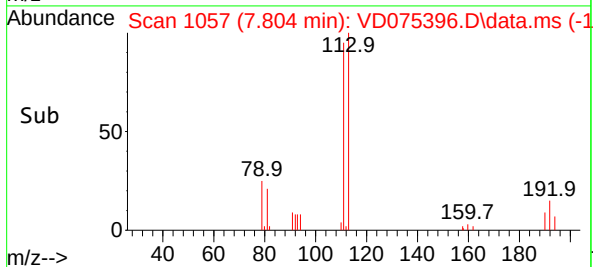
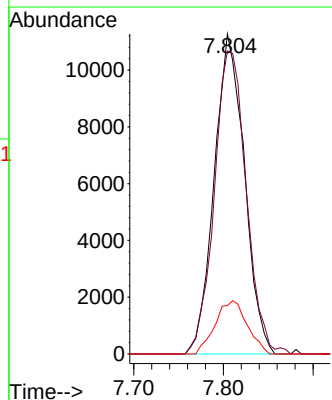
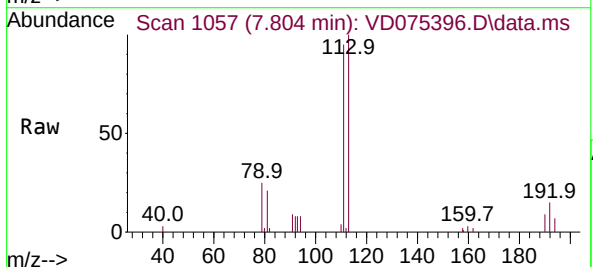
Tgt Ion:113 Resp: 26314

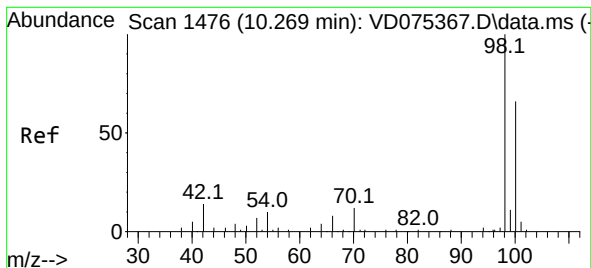
Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.0

192 17.6 15.2 22.8

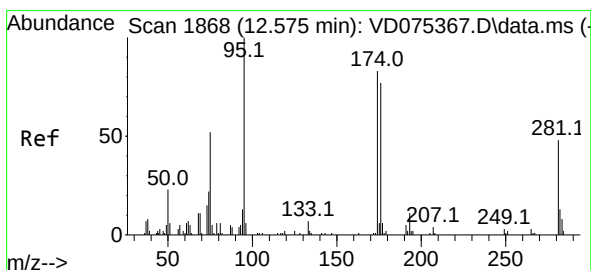
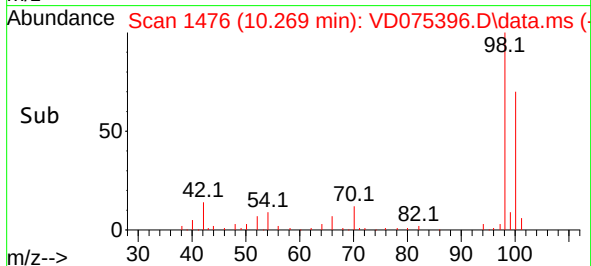
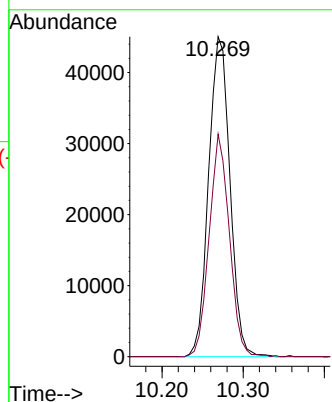
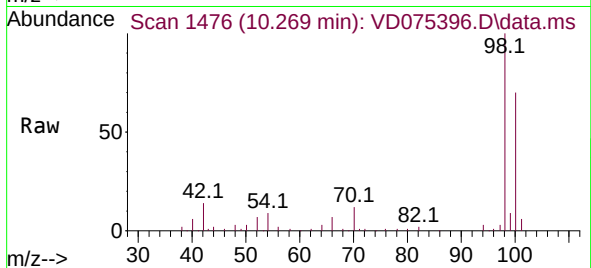




#50  
Toluene-d8  
Concen: 41.990 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD075396.D  
Acq: 22 Feb 2023 12:49

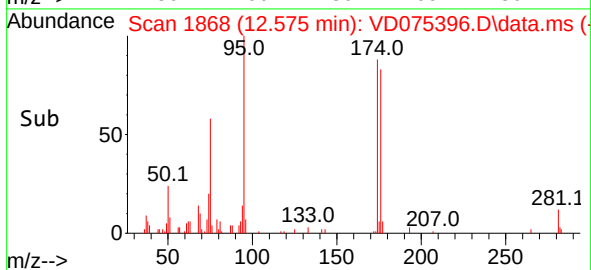
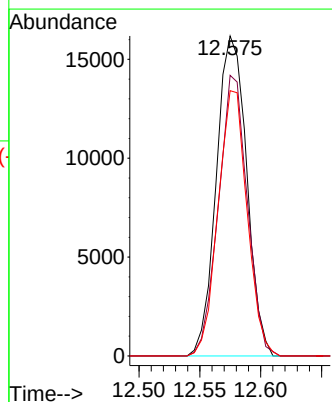
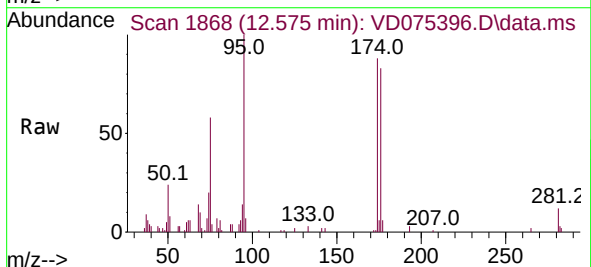
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0222SBL01

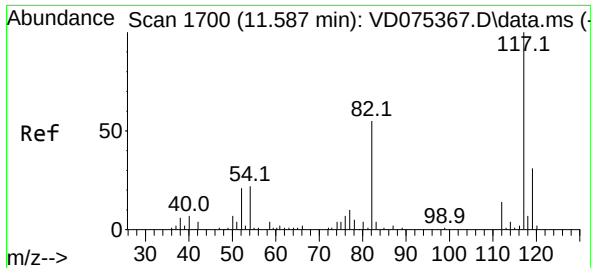
Tgt Ion: 98 Resp: 82129  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 42.643 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075396.D  
Acq: 22 Feb 2023 12:49

Tgt Ion: 95 Resp: 28006  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 164.0  
176 79.7 0.0 156.8

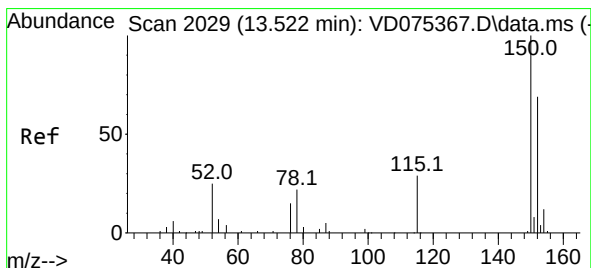
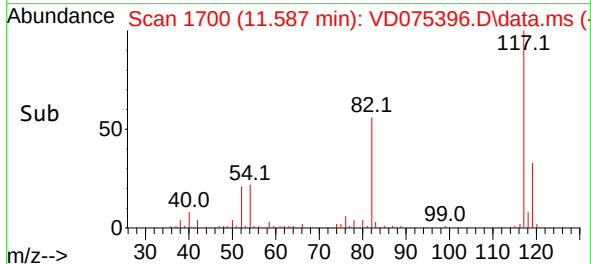
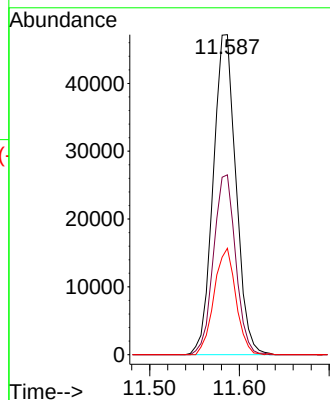
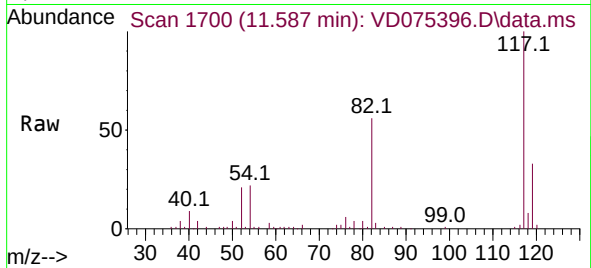




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075396.D  
Acq: 22 Feb 2023 12:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0222SBL01

Tgt Ion:117 Resp: 83201  
Ion Ratio Lower Upper  
117 100  
82 56.2 44.0 66.0  
119 33.2 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075396.D  
Acq: 22 Feb 2023 12:49

Tgt Ion:152 Resp: 35496  
Ion Ratio Lower Upper  
152 100  
115 56.7 30.1 90.3  
150 154.8 0.0 364.8

