

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052722\  
 Data File : VD073403.D  
 Acq On : 27 May 2022 11:21  
 Operator : VA/SY  
 Sample : VD0527SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0527SBL01

Quant Time: May 28 09:41:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 342528   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 590746   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 618867   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 294364   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 180894   | 47.787   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.580%  |
| 35) Dibromofluoromethane    | 7.909  | 113   | 194826   | 49.979   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.960%  |
| 50) Toluene-d8              | 10.332 | 98    | 722757   | 50.298   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.600% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 275522   | 54.636   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 109.280% |

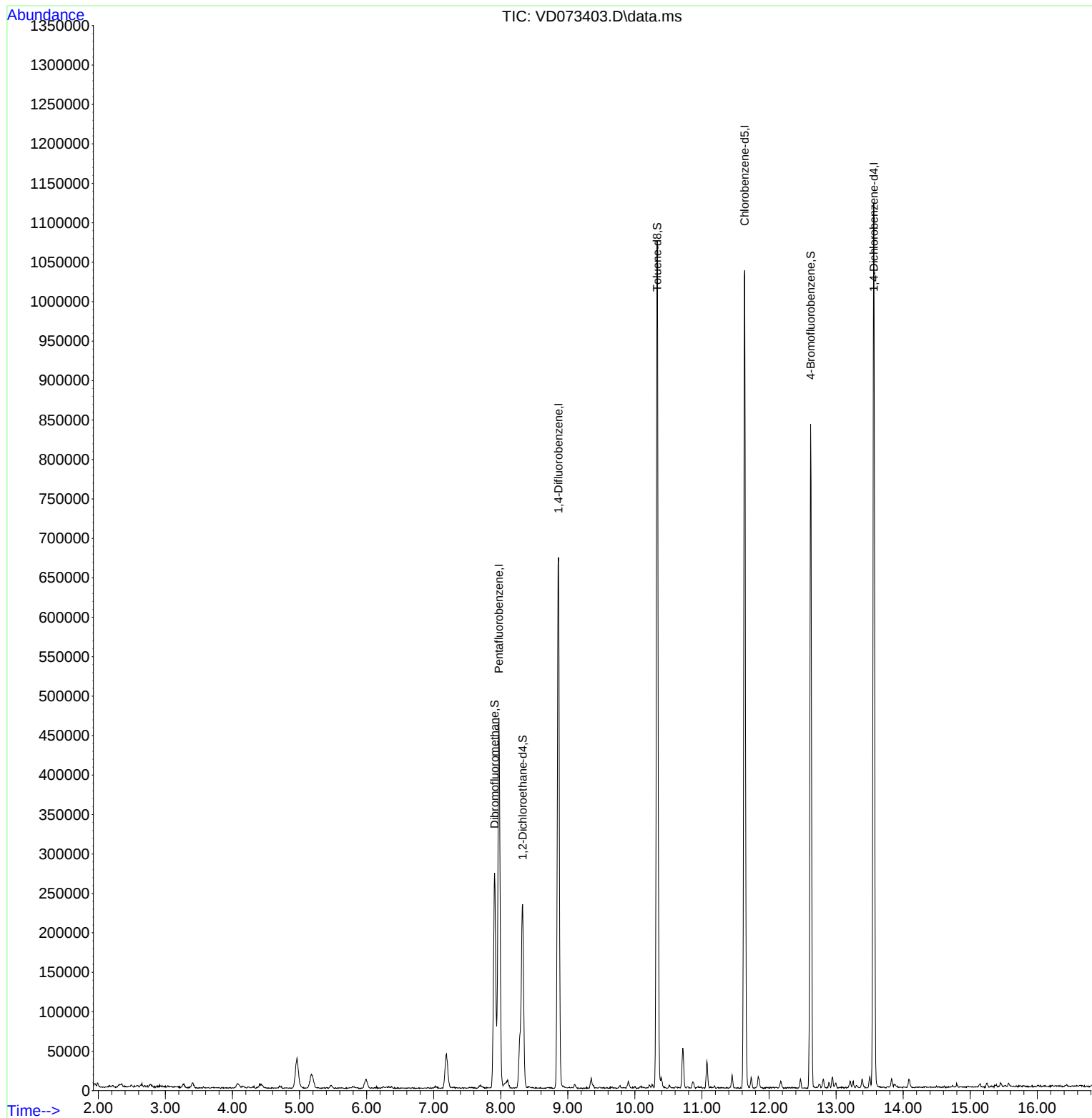
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

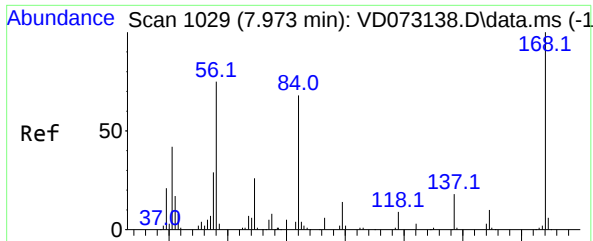
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0527SBL01  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0527SBL01

Quant Time: May 28 09:41:26 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073403.D

Acq: 27 May 2022 11:21

Instrument :

MSVOA\_D

ClientSampleId :

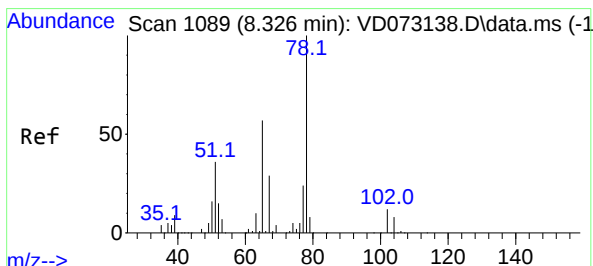
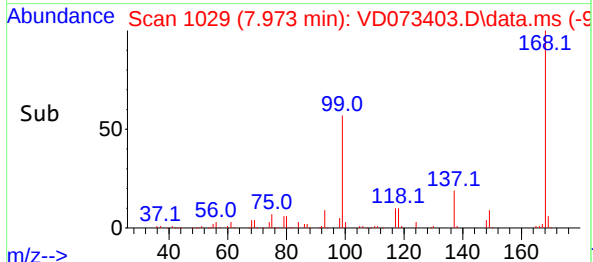
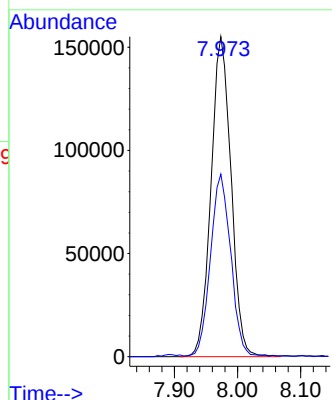
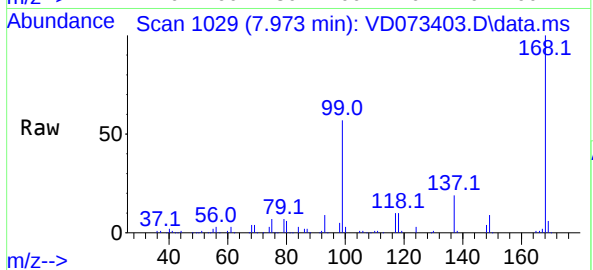
VD0527SBL01

Tgt Ion:168 Resp: 342528

Ion Ratio Lower Upper

168 100

99 56.8 49.8 74.6



1,2-Dichloroethane-d4

Concen: 47.787 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073403.D

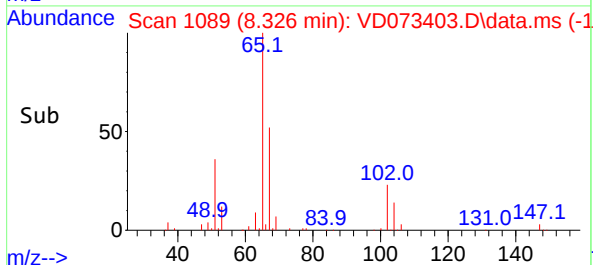
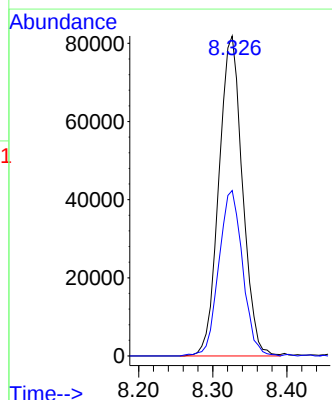
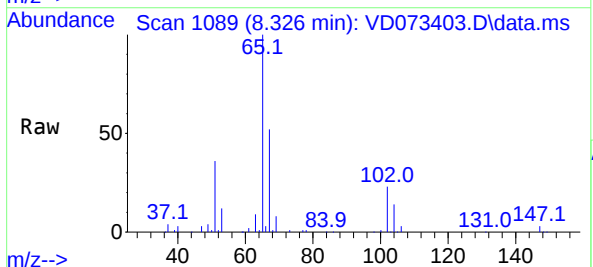
Acq: 27 May 2022 11:21

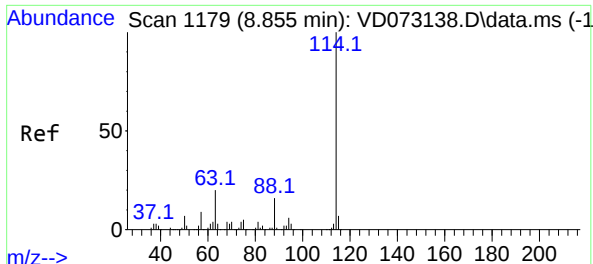
Tgt Ion: 65 Resp: 180894

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.4



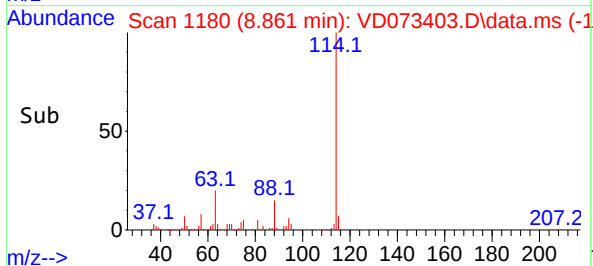
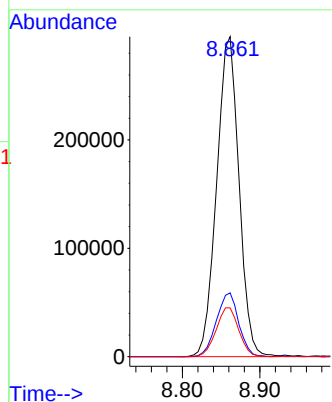
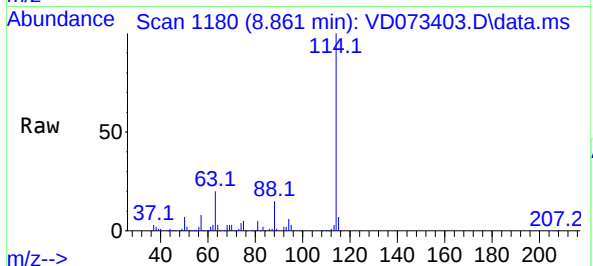


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1179  
Delta R.T. 0.006 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0527SBL01

Tgt Ion:114 Resp: 590746

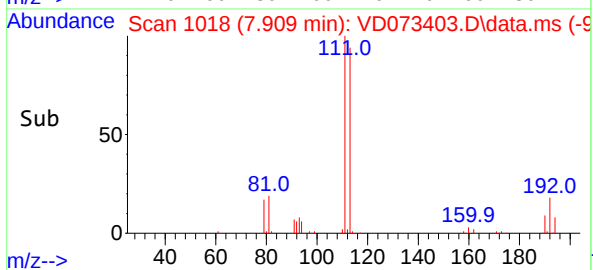
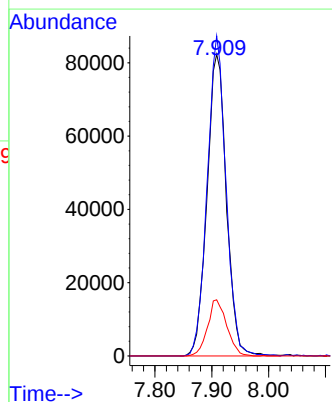
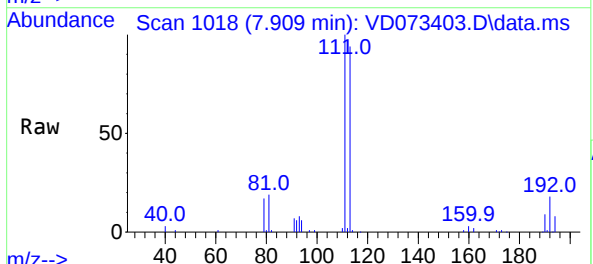
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.0  | 0.0   | 46.6  |
| 88  | 15.2  | 0.0   | 33.2  |

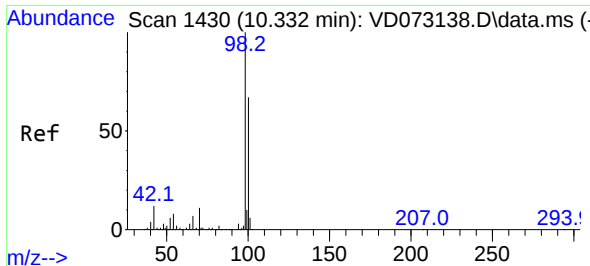


#35  
Dibromofluoromethane  
Concen: 49.979 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. -0.005 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Tgt Ion:113 Resp: 194826

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.8 | 83.8  | 125.6 |
| 192 | 18.4  | 14.6  | 21.8  |

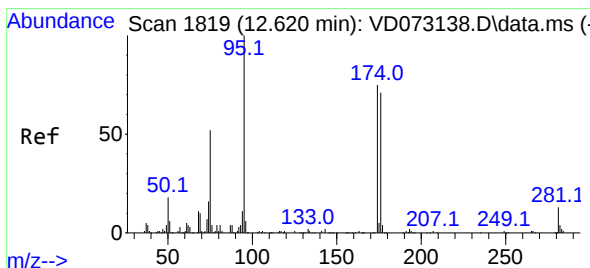
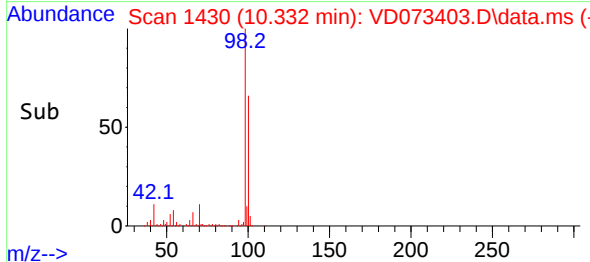
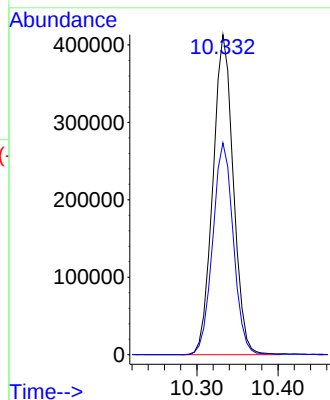
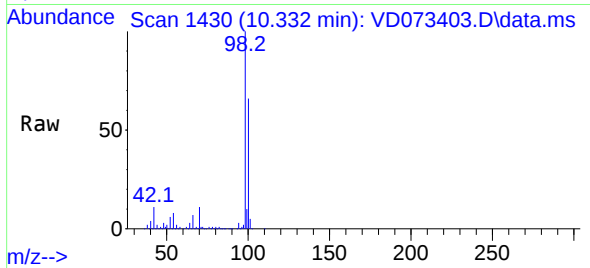




#50  
Toluene-d8  
Concen: 50.298 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

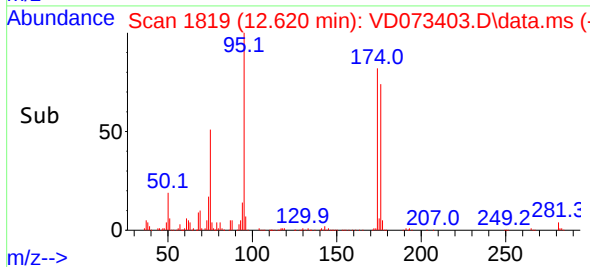
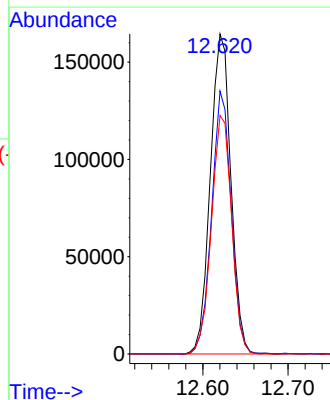
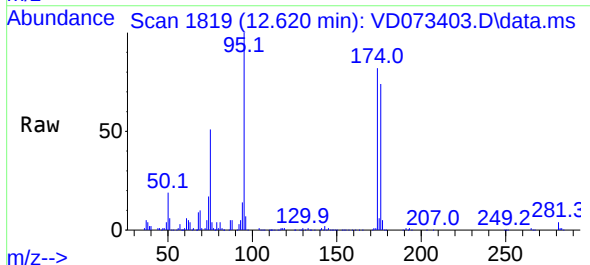
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0527SBL01

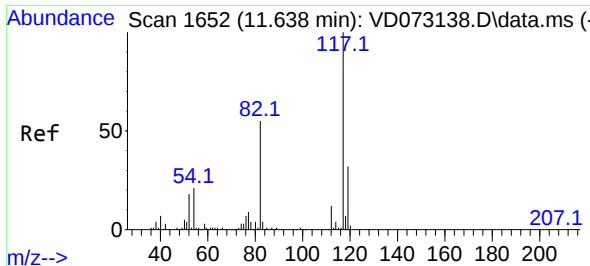
Tgt Ion: 98 Resp: 722757  
Ion Ratio Lower Upper  
98 100  
100 66.8 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 54.636 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

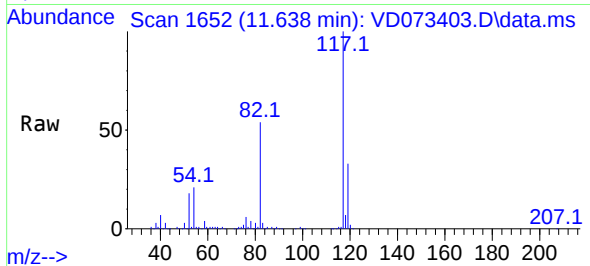
Tgt Ion: 95 Resp: 275522  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 152.8  
176 73.3 0.0 145.4



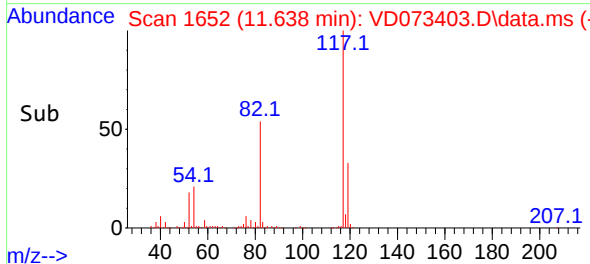
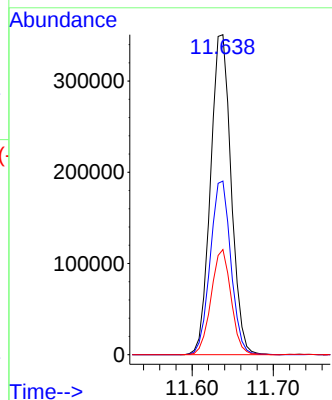


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0527SBL01



Tgt Ion:117 Resp: 618867  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.3 67.9  
119 32.9 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073403.D  
Acq: 27 May 2022 11:21

Tgt Ion:152 Resp: 294364  
Ion Ratio Lower Upper  
152 100  
115 60.2 31.3 93.8  
150 156.0 0.0 348.6

