

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102121\  
 Data File : VD070811.D  
 Acq On : 21 Oct 2021 20:10  
 Operator : VA/SY  
 Sample : M4290-01  
 Misc : 5.32G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1

Quant Time: Oct 22 06:18:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 18 08:32:03 2021  
 Response via : Initial Calibration

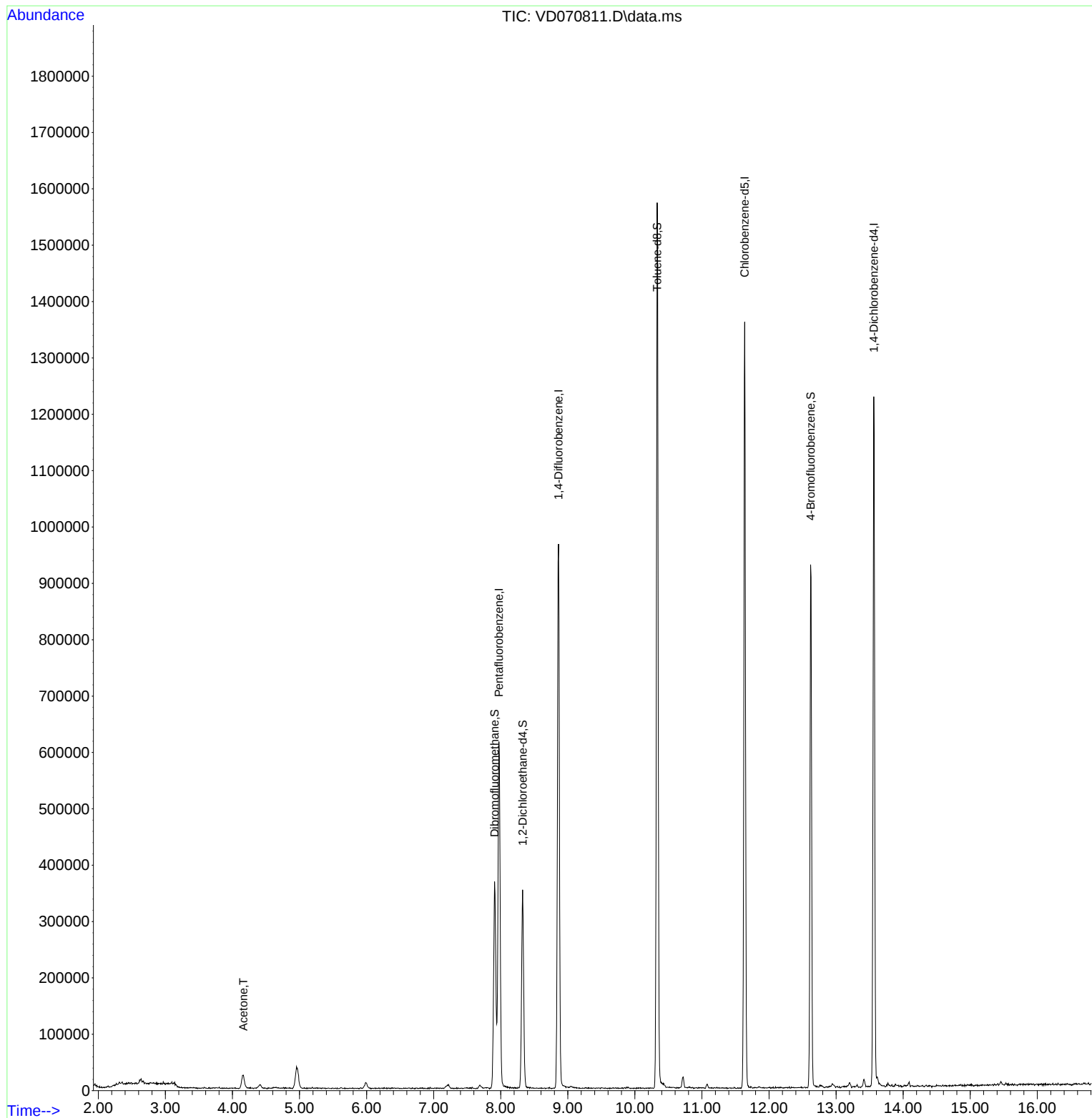
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 428764   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 792829   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 750160   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 321343   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 269035   | 52.976   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.960% |          |
| 35) Dibromofluoromethane    | 7.909  | 113   | 260261   | 51.267   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 102.540% |          |
| 50) Toluene-d8              | 10.332 | 98    | 1029797  | 52.918   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 105.840% |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 315312   | 47.057   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 94.120%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.162  | 43    | 44220    | 36.102   | ug/l #     | 88       |
| -----                       |        |       |          |          |            |          |

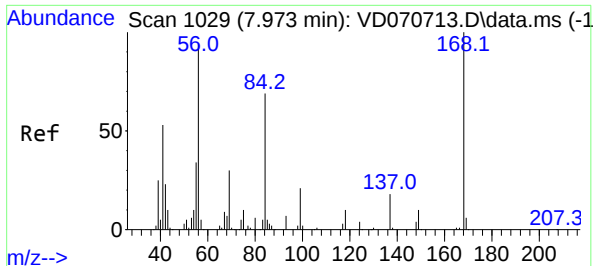
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4290-01  
Misc : 5.32G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1

Quant Time: Oct 22 06:18:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 18 08:32:03 2021  
Response via : Initial Calibration

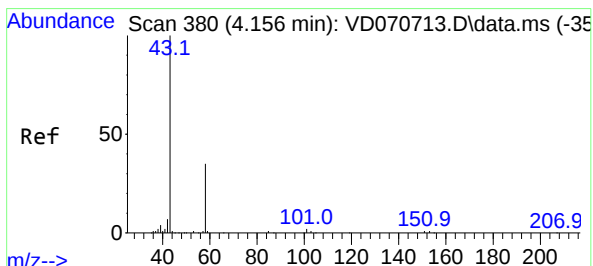
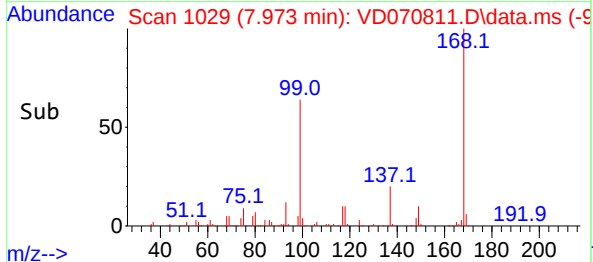
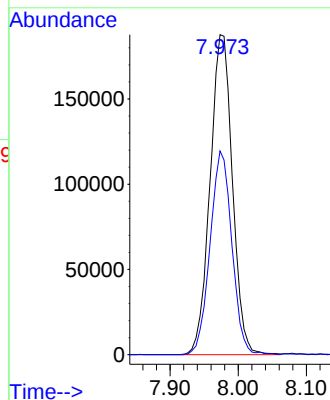
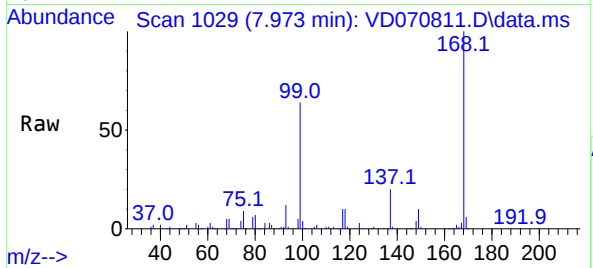




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

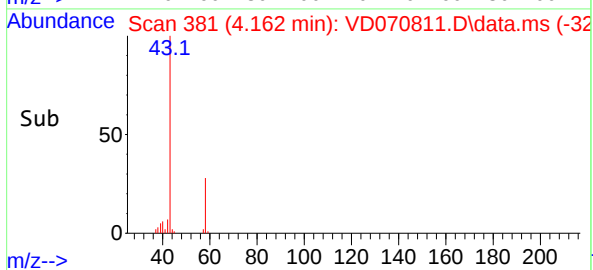
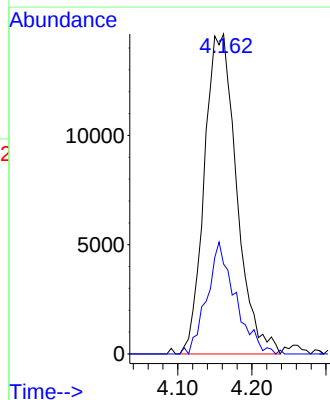
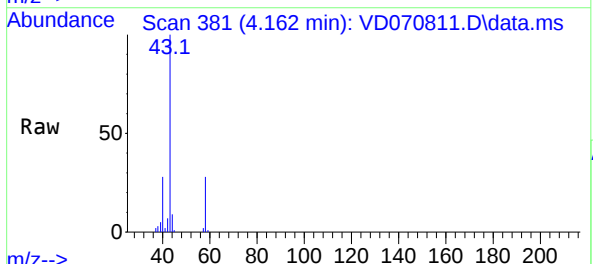
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1

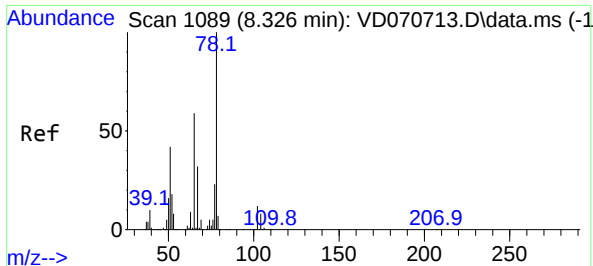
Tgt Ion:168 Resp: 428764  
Ion Ratio Lower Upper  
168 100  
99 63.7 51.4 77.0



#16  
Acetone  
Concen: 36.102 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

Tgt Ion: 43 Resp: 44220  
Ion Ratio Lower Upper  
43 100  
58 28.1 28.2 42.2#

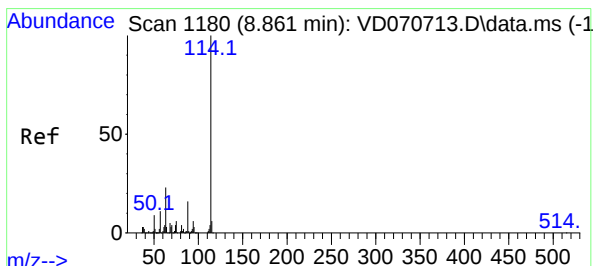
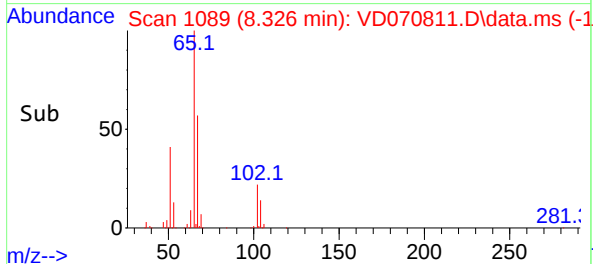
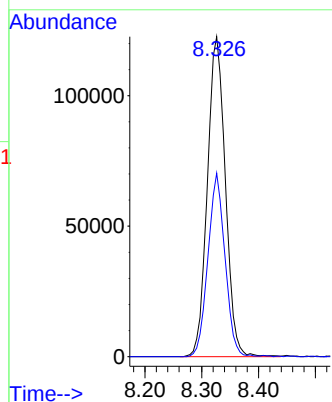
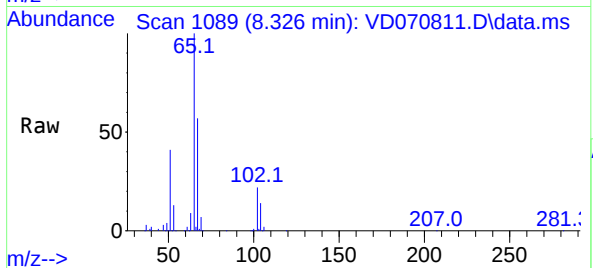




#33  
1,2-Dichloroethane-d4  
Concen: 52.976 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

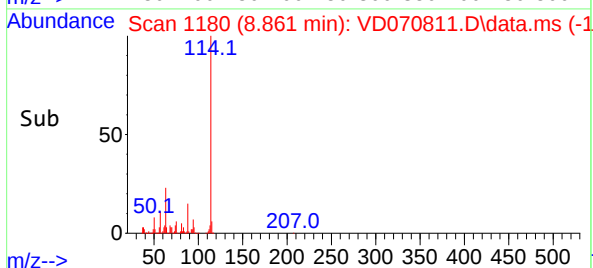
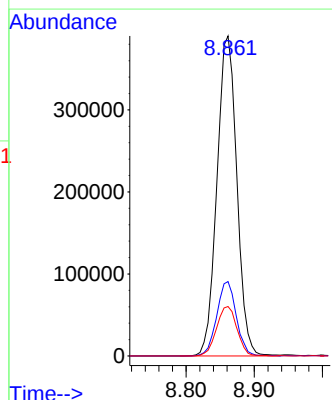
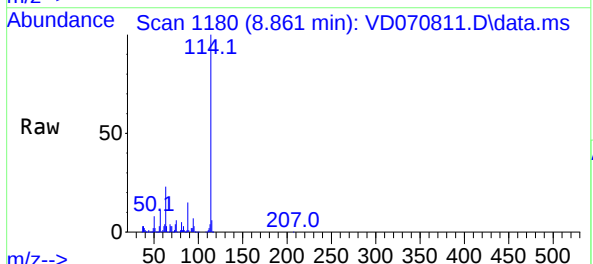
Instrument :  
MSVOA\_D  
ClientSampled :  
TP-1

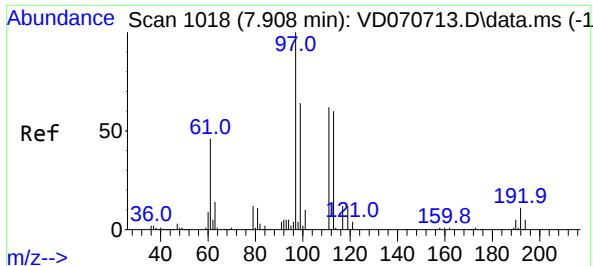
Tgt Ion: 65 Resp: 269035  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 110.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

Tgt Ion:114 Resp: 792829  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 41.8  
88 15.4 0.0 32.6

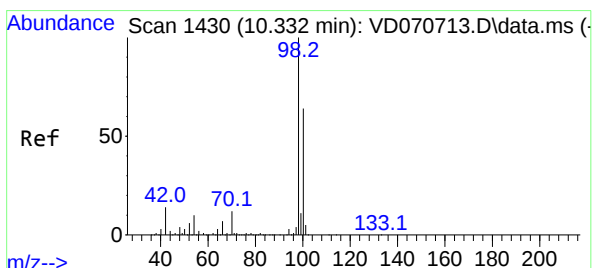
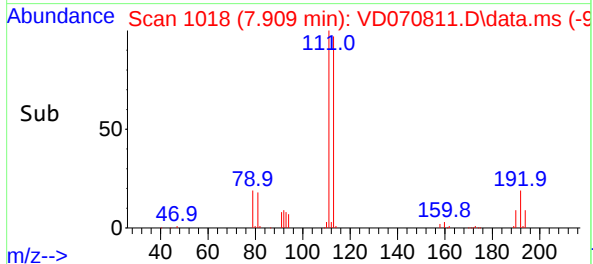
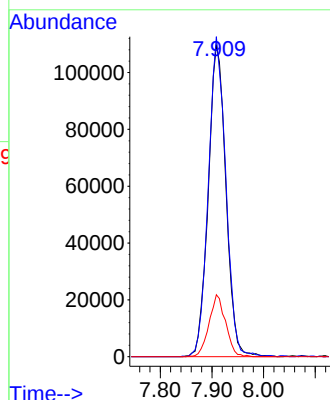
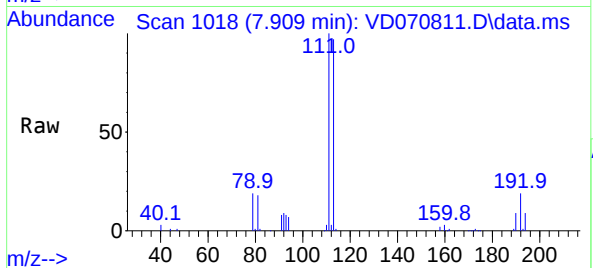




#35  
Dibromofluoromethane  
Concen: 51.267 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

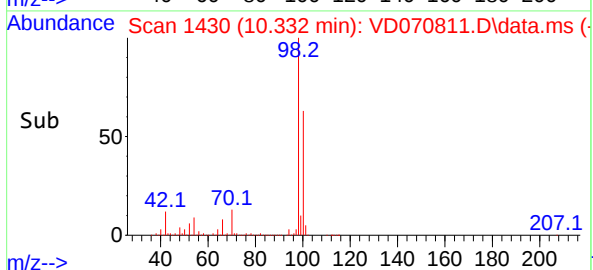
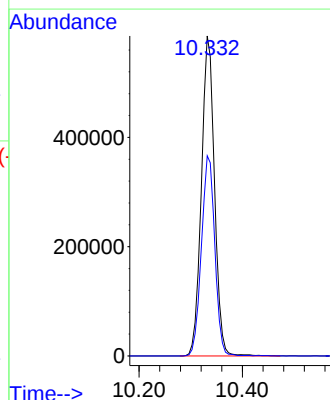
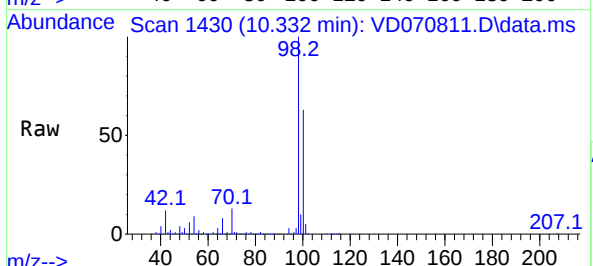
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1

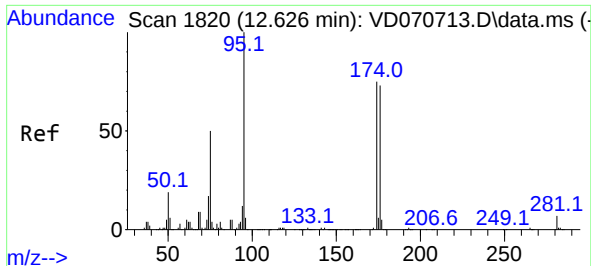
Tgt Ion:113 Resp: 260261  
Ion Ratio Lower Upper  
113 100  
111 101.4 83.1 124.7  
192 18.7 12.7 19.1



#50  
Toluene-d8  
Concen: 52.918 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

Tgt Ion: 98 Resp: 1029797  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.2 78.4

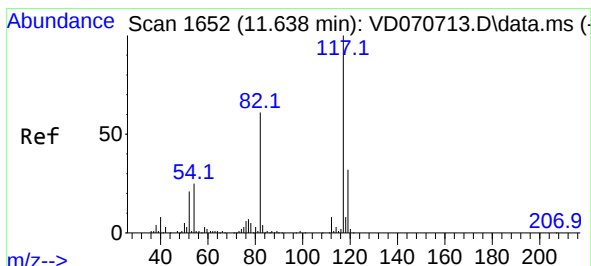
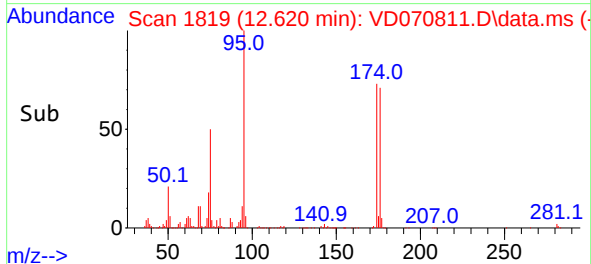
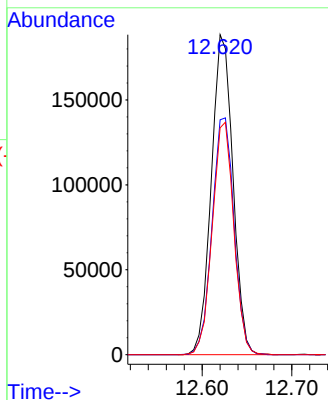
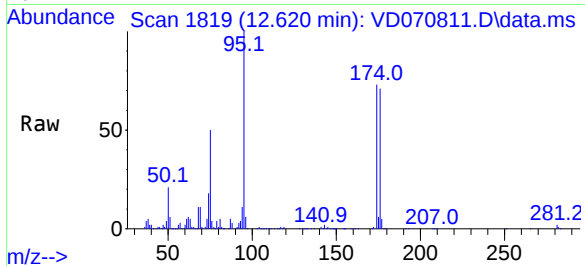




#62  
4-Bromofluorobenzene  
Concen: 47.057 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

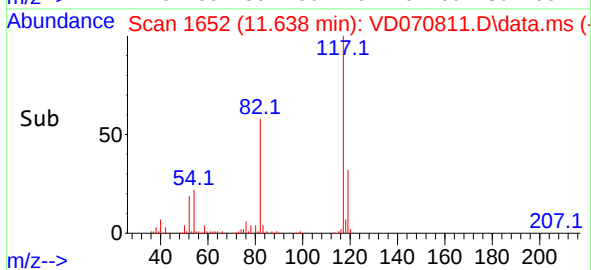
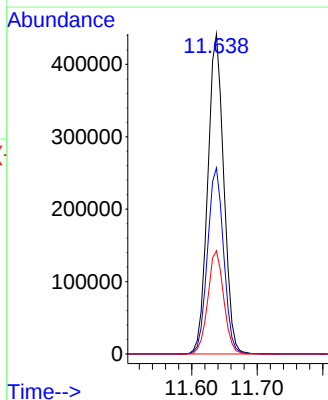
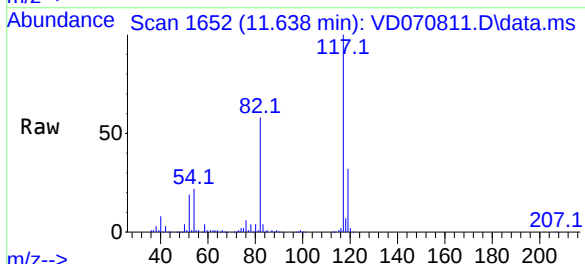
Instrument :  
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ClientSampleId :  
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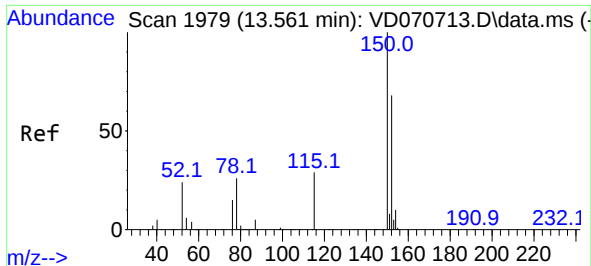
Tgt Ion: 95 Resp: 315312  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 138.0  
176 72.3 0.0 135.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

Tgt Ion: 117 Resp: 750160  
Ion Ratio Lower Upper  
117 100  
82 58.1 45.4 68.2  
119 32.3 24.7 37.1





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD070811.D  
Acq: 21 Oct 2021 20:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion:152 Resp: 321343  
Ion Ratio Lower Upper  
152 100  
115 60.3 31.9 95.7  
150 153.6 0.0 350.0

