

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120821\  
 Data File : VD071210.D  
 Acq On : 08 Dec 2021 17:22  
 Operator : VA/SY  
 Sample : M4966-19  
 Misc : 6.25G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P14-11

Quant Time: Dec 09 10:18:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

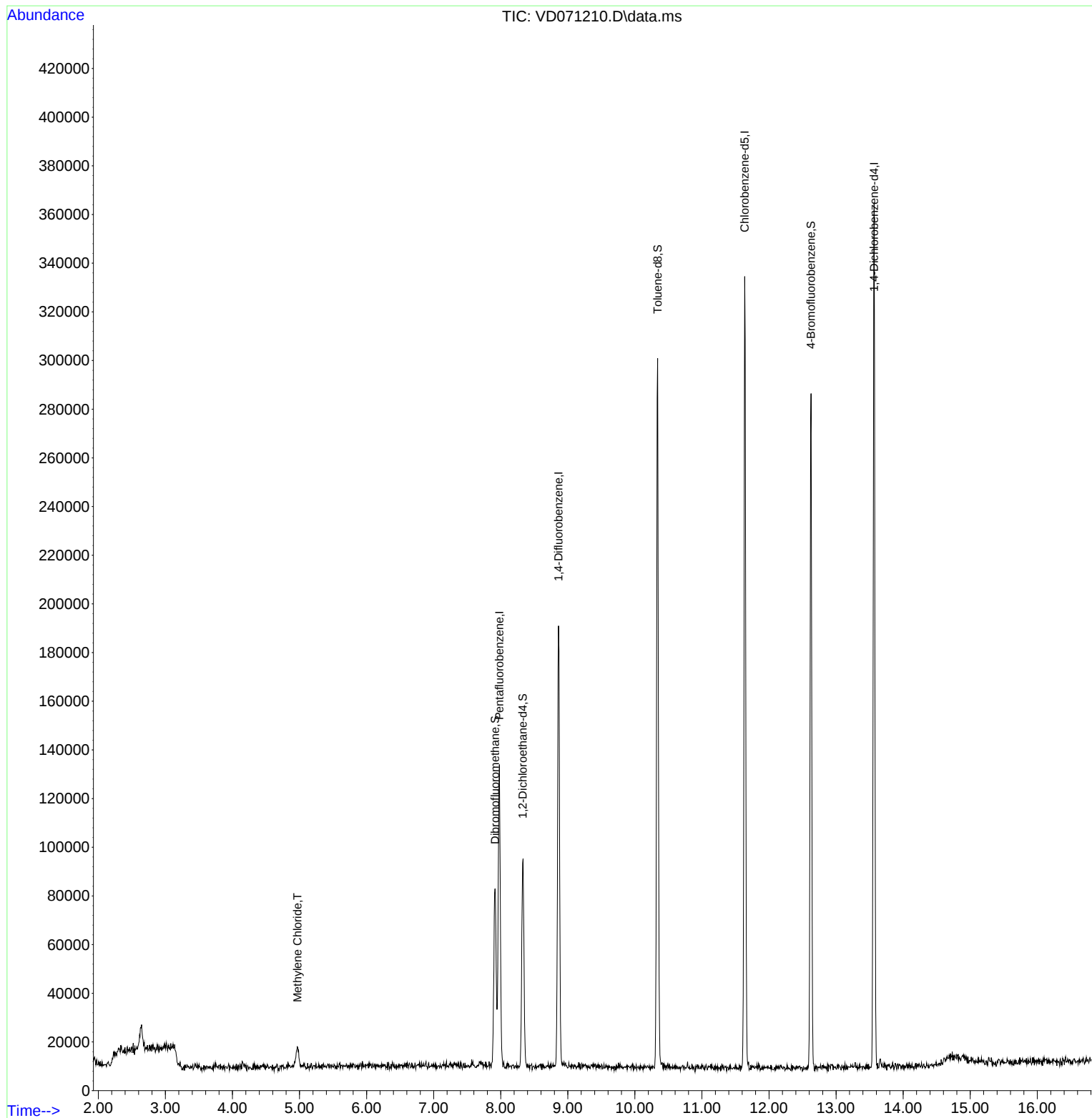
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|-----------|-------|----------|----------|------------|-----------|
| -----                       |           |       |          |          |            |           |
| Internal Standards          |           |       |          |          |            |           |
| 1) Pentafluorobenzene       | 7.979     | 168   | 83626    | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.861     | 114   | 144861   | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.638    | 117   | 172725   | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.567    | 152   | 88090    | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |           |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.326     | 65    | 67043    | 68.324   | ug/l       | 0.00      |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 136.640% |           |
| 35) Dibromofluoromethane    | 7.914     | 113   | 52404    | 56.809   | ug/l       | 0.00      |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 113.620% |           |
| 50) Toluene-d8              | 10.338    | 98    | 189935   | 54.106   | ug/l       | 0.00      |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 108.220% |           |
| 62) 4-Bromofluorobenzene    | 12.626    | 95    | 85553    | 70.307   | ug/l       | 0.00      |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 140.620% |           |
| Target Compounds            |           |       |          |          |            |           |
| 20) Methylene Chloride      | 4.967     | 84    | 5422     | 1.418    | ug/l       | Qvalue 85 |
| -----                       |           |       |          |          |            |           |

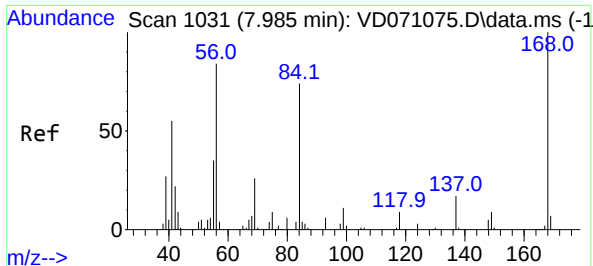
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4966-19  
Misc : 6.25G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Time: Dec 09 10:18:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 2021  
Response via : Initial Calibration

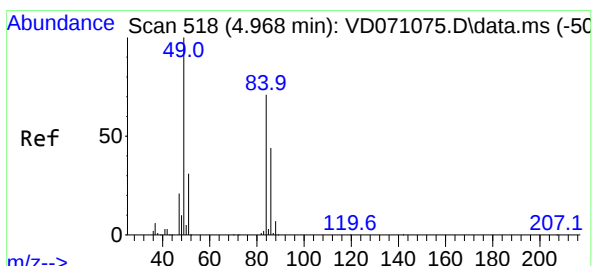
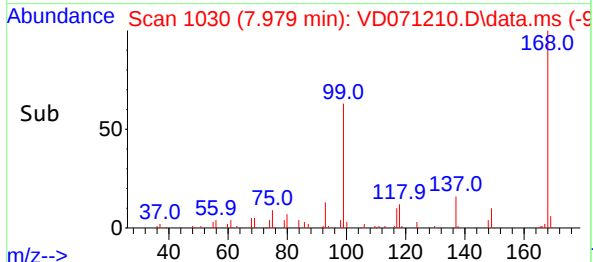
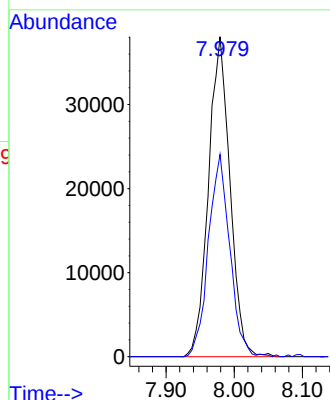
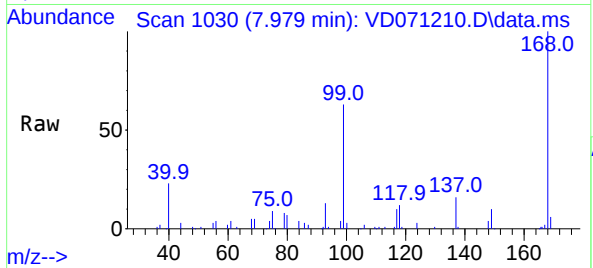




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD071210.D  
Acq: 08 Dec 2021 17:22

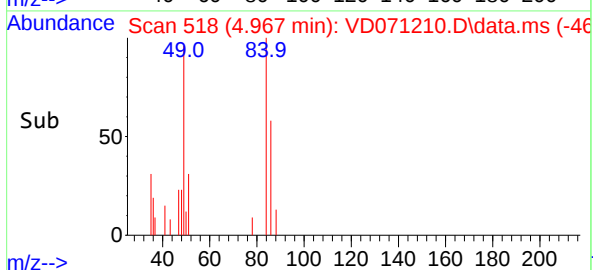
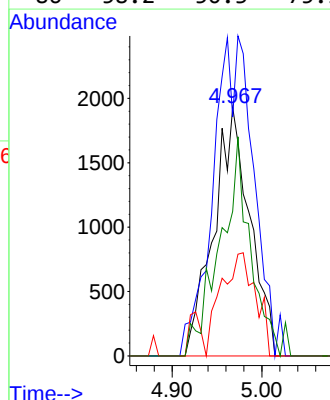
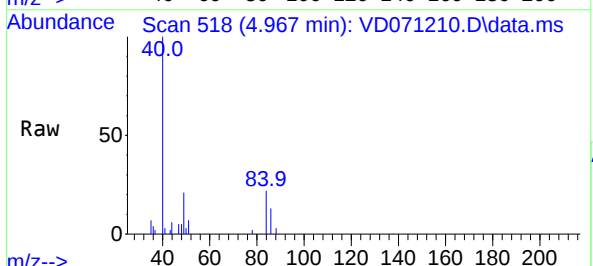
Instrument :  
MSVOA\_D  
ClientSampleId :  
P14-11

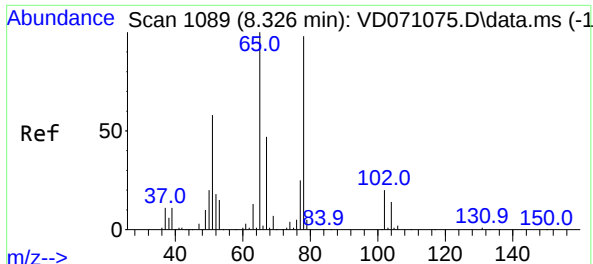
Tgt Ion:168 Resp: 83626  
Ion Ratio Lower Upper  
168 100  
99 63.2 46.6 69.8



#20  
Methylene Chloride  
Concen: 1.418 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.001 min  
Lab File: VD071210.D  
Acq: 08 Dec 2021 17:22

Tgt Ion: 84 Resp: 5422  
Ion Ratio Lower Upper  
84 100  
49 96.3 95.8 143.6  
51 31.0 30.9 46.3  
86 58.2 50.3 75.5

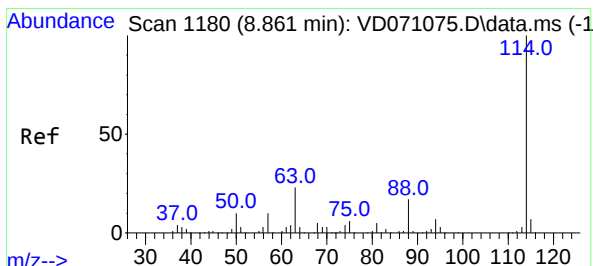
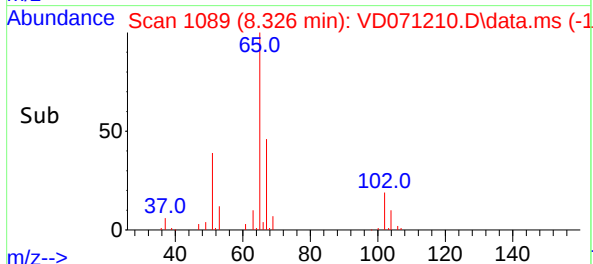
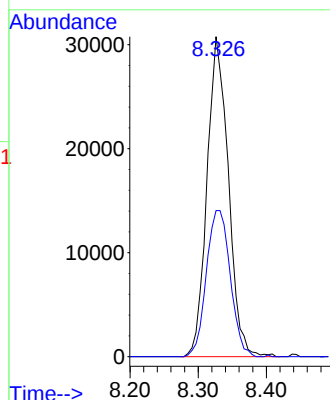
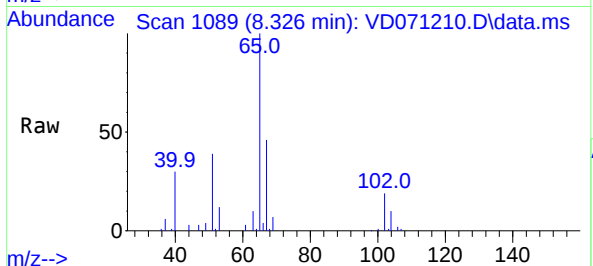




#33  
1,2-Dichloroethane-d4  
Concen: 68.324 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD071210.D  
Acq: 08 Dec 2021 17:22

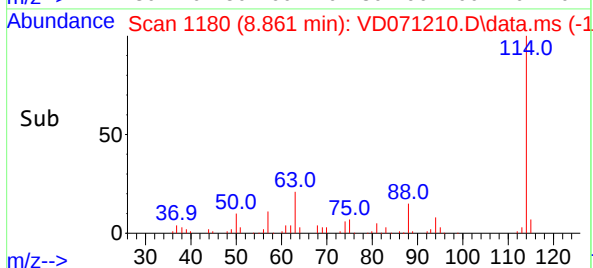
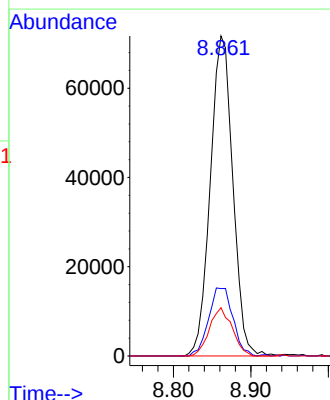
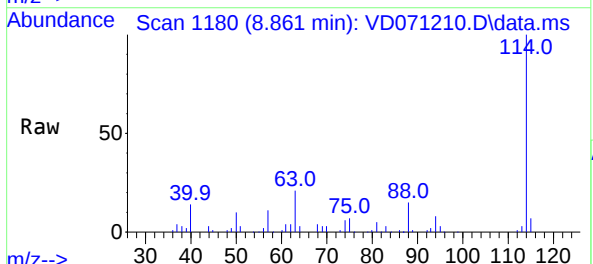
Instrument :  
MSVOA\_D  
ClientSampleId :  
P14-11

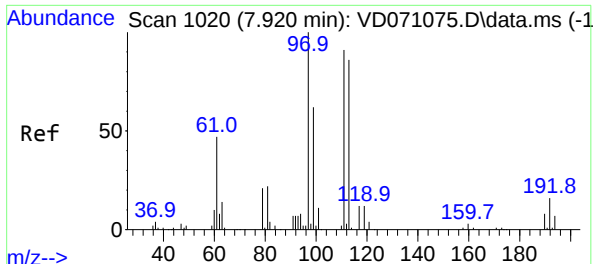
Tgt Ion: 65 Resp: 67043  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 112.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD071210.D  
Acq: 08 Dec 2021 17:22

Tgt Ion: 114 Resp: 144861  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 41.8  
88 15.1 0.0 32.8

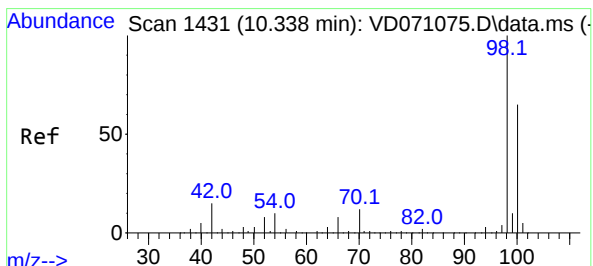
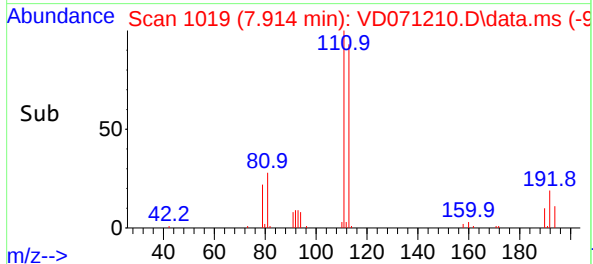
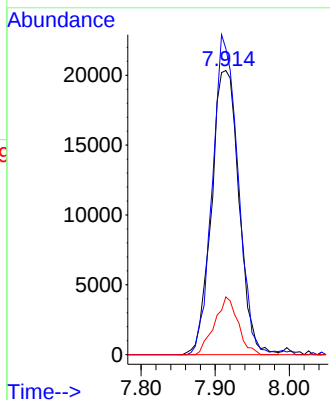
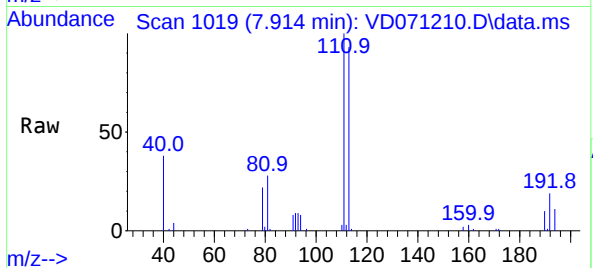




#35  
Dibromofluoromethane  
Concen: 56.809 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD071210.D  
Acq: 08 Dec 2021 17:22

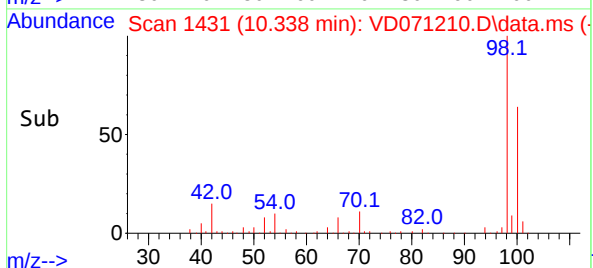
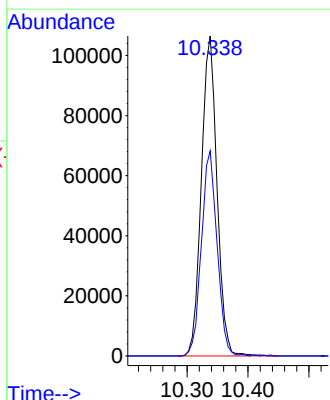
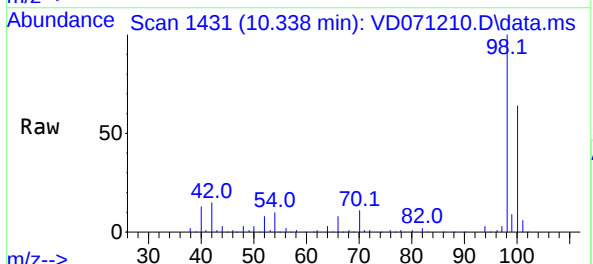
Instrument :  
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P14-11

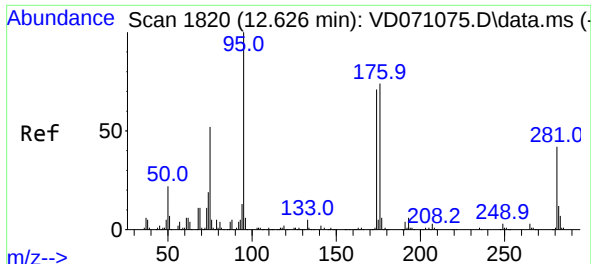
Tgt Ion:113 Resp: 52404  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.0 123.0  
192 17.3 15.2 22.8



#50  
Toluene-d8  
Concen: 54.106 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071210.D  
Acq: 08 Dec 2021 17:22

Tgt Ion: 98 Resp: 189935  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.8 77.6

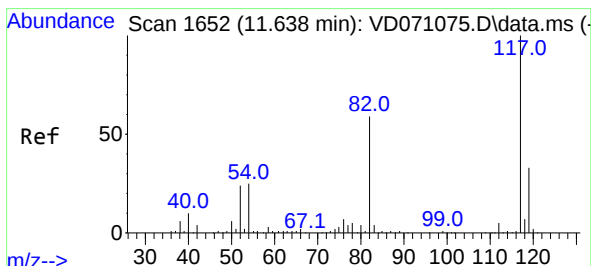
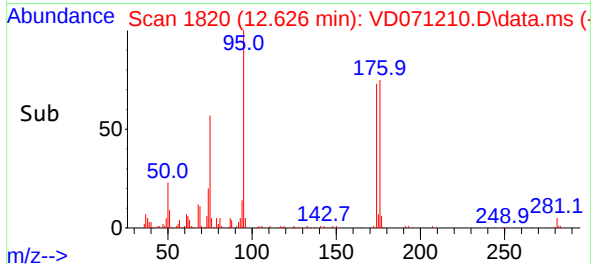
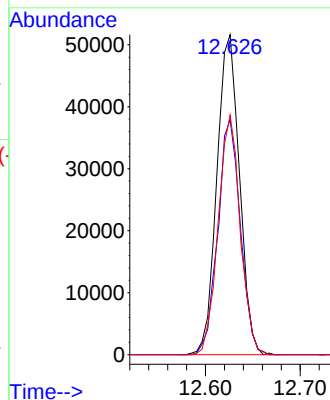
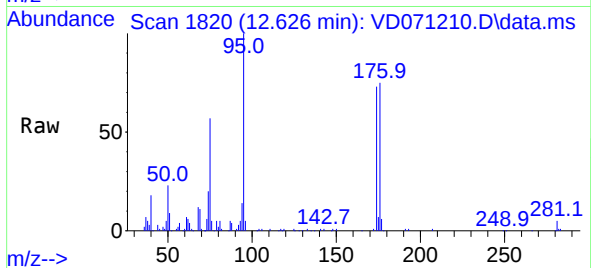




#62  
4-Bromofluorobenzene  
Concen: 70.307 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071210.D  
Acq: 08 Dec 2021 17:22

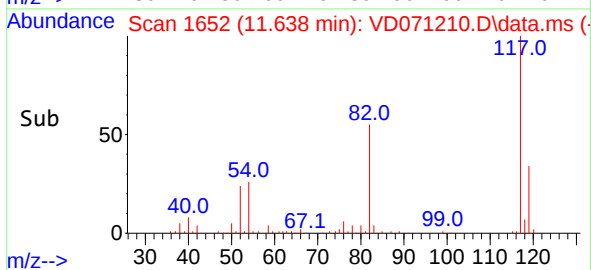
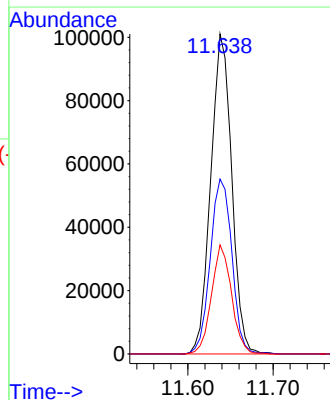
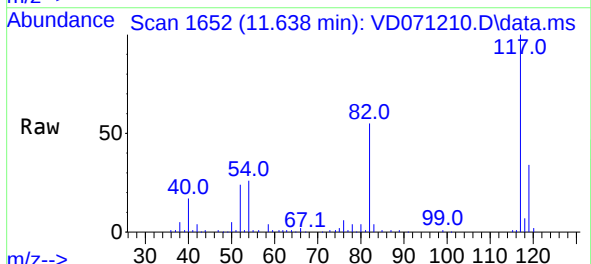
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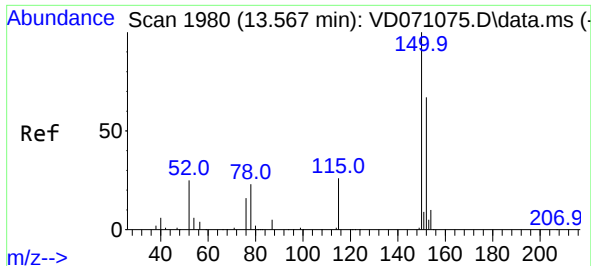
Tgt Ion: 95 Resp: 85553  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 159.4  
176 73.0 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD071210.D  
Acq: 08 Dec 2021 17:22

Tgt Ion: 117 Resp: 172725  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.7 67.1  
119 34.1 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. -0.000 min

Lab File: VD071210.D

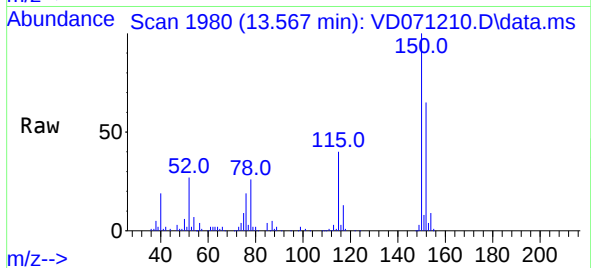
Acq: 08 Dec 2021 17:22

Instrument :

MSVOA\_D

ClientSampleId :

P14-11



Tgt Ion:152 Resp: 88090

Ion Ratio Lower Upper

152 100

115 60.0 29.8 89.3

150 158.5 0.0 349.2

