

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041922\  
 Data File : VD072630.D  
 Acq On : 19 Apr 2022 17:44  
 Operator : VA/SY  
 Sample : N2449-01  
 Misc : 5.34G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 22L091-A

Quant Time: Apr 20 05:04:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 2022  
 Response via : Initial Calibration

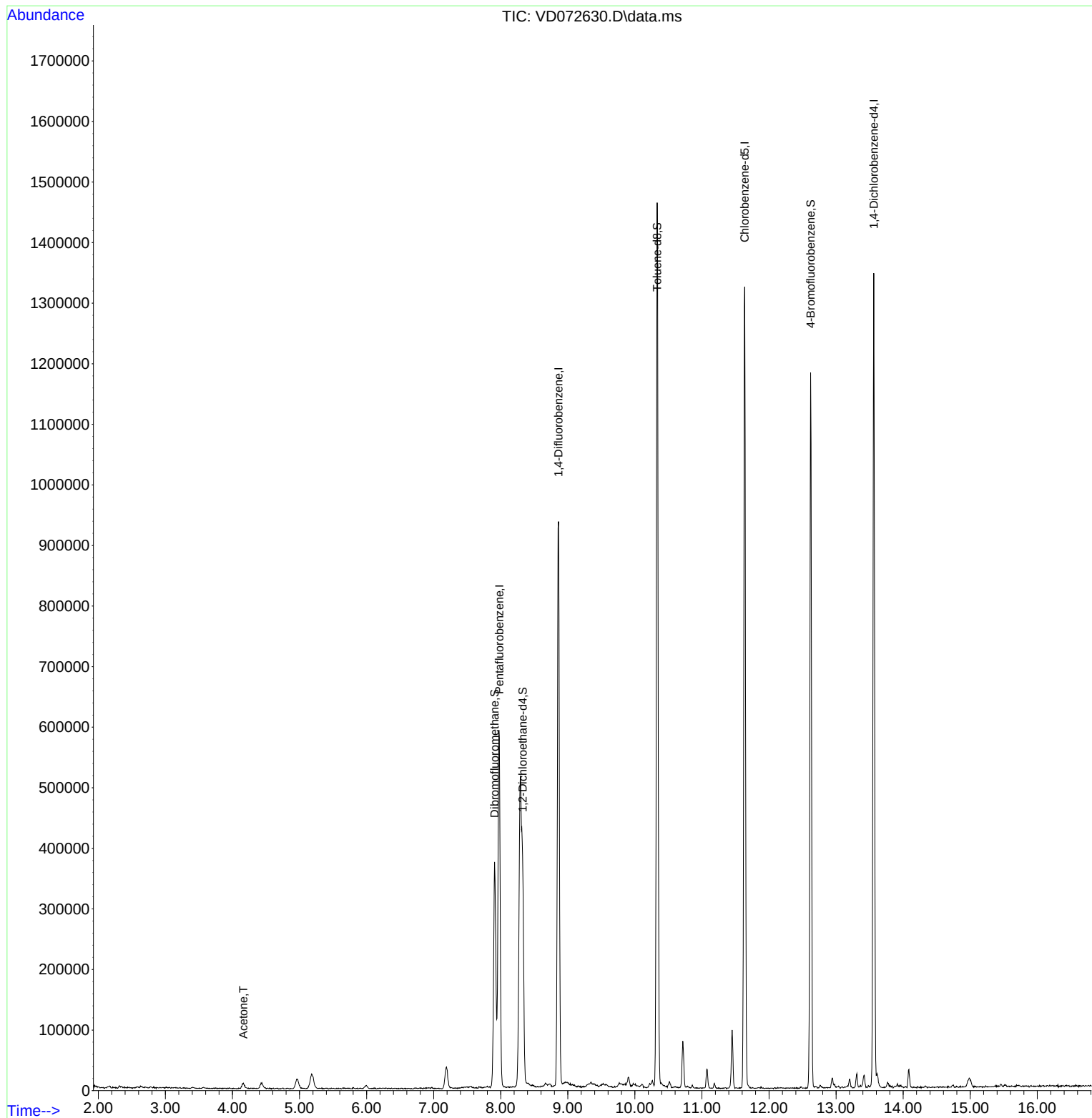
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.979  | 168   | 435984   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 832207   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 795190   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 357503   | 50.000   | ug/l  | 0.00      |
|                             |        |       |          |          |       |           |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 263947   | 50.046   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 100.100%  |
| 35) Dibromofluoromethane    | 7.908  | 113   | 270991   | 41.901   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 83.800%   |
| 50) Toluene-d8              | 10.332 | 98    | 991661   | 44.111   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 88.220%   |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 354062   | 40.327   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 80.660%   |
|                             |        |       |          |          |       |           |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 4.162  | 43    | 15955    | 16.224   | ug/l  | Qvalue 99 |
| -----                       |        |       |          |          |       |           |

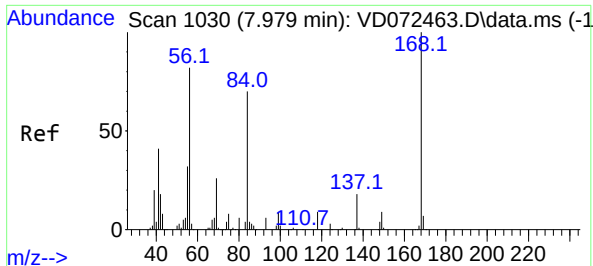
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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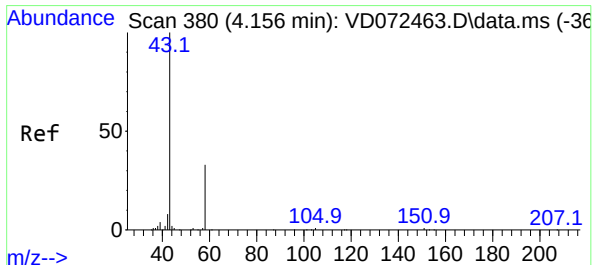
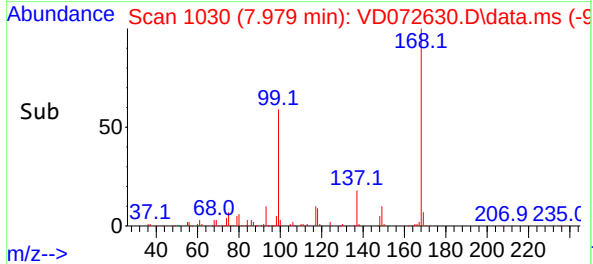
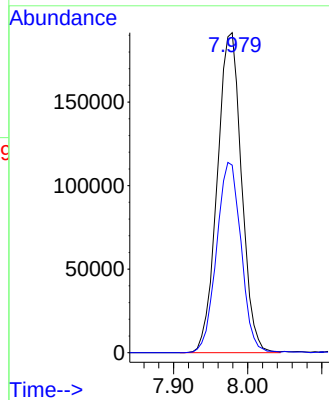
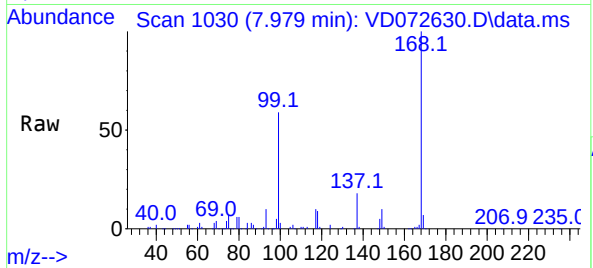




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD072630.D  
Acq: 19 Apr 2022 17:44

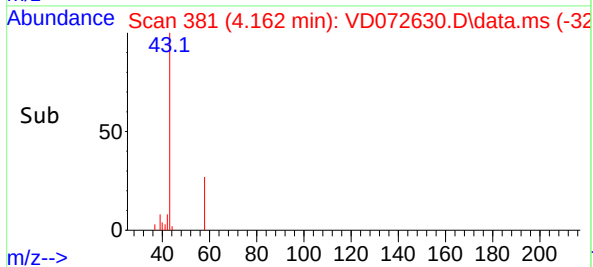
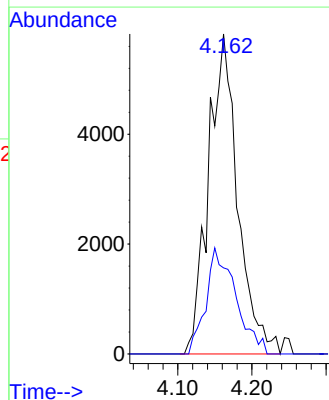
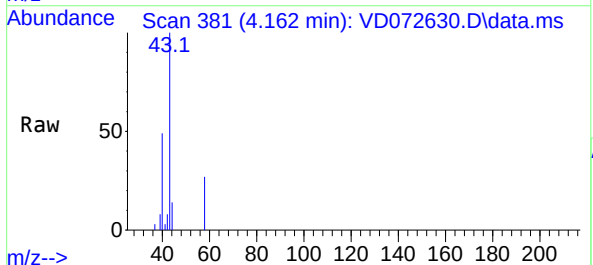
Instrument :  
MSVOA\_D  
ClientSampleId :  
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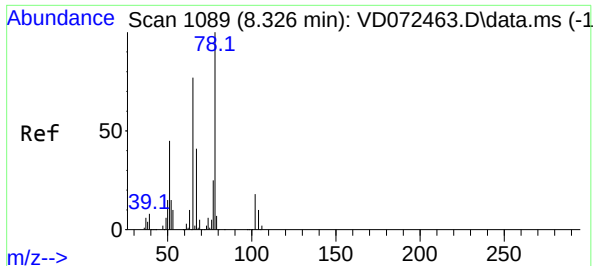
Tgt Ion:168 Resp: 435984  
Ion Ratio Lower Upper  
168 100  
99 58.6 49.8 74.6



#16  
Acetone  
Concen: 16.224 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD072630.D  
Acq: 19 Apr 2022 17:44

Tgt Ion: 43 Resp: 15955  
Ion Ratio Lower Upper  
43 100  
58 26.9 22.1 33.1





#33

1,2-Dichloroethane-d4

Concen: 50.046 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

Instrument :

MSVOA\_D

ClientSampleId :

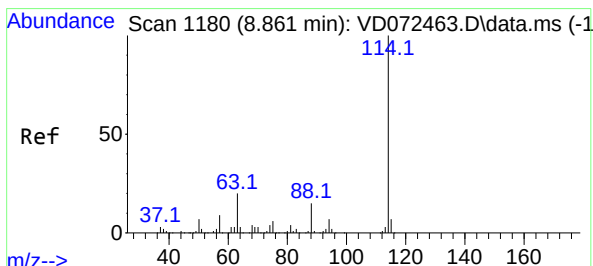
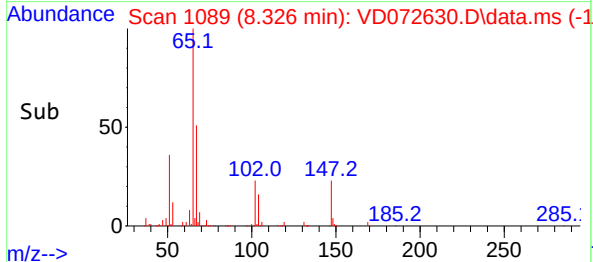
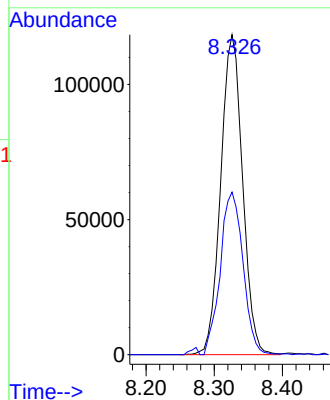
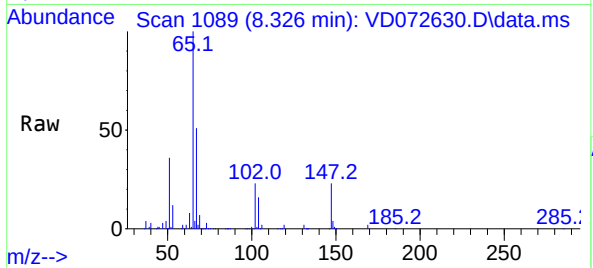
22L091-A

Tgt Ion: 65 Resp: 263947

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

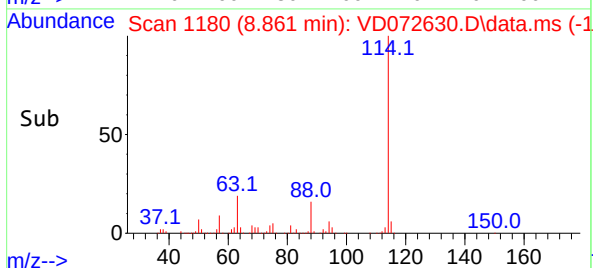
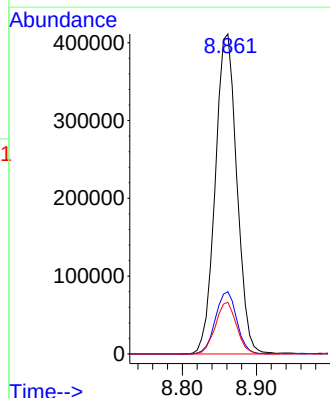
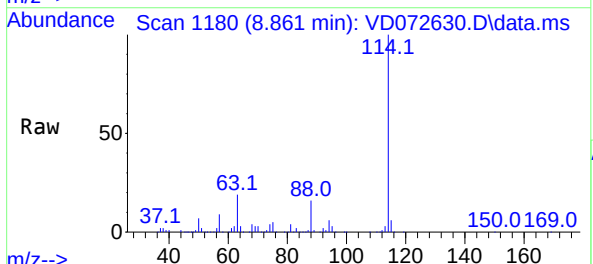
Tgt Ion: 114 Resp: 832207

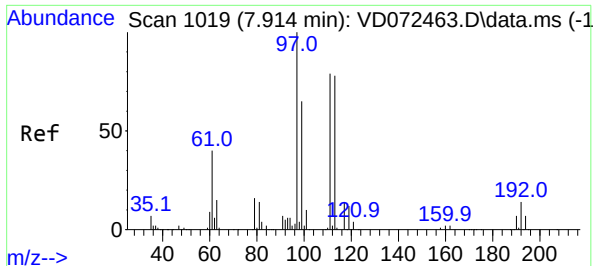
Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 16.1 0.0 33.2

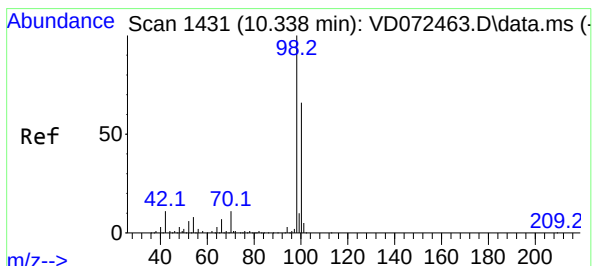
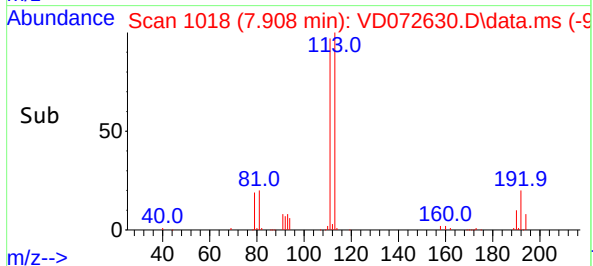
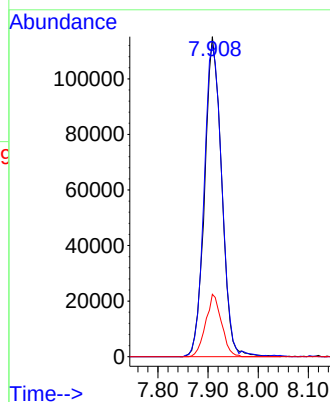
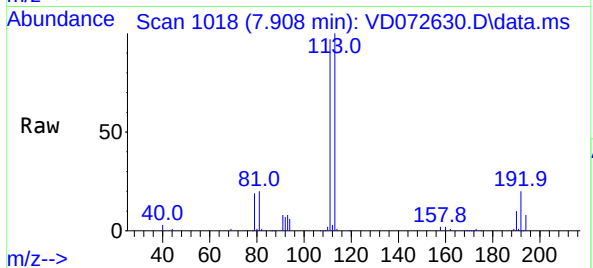




#35  
Dibromofluoromethane  
Concen: 41.901 ug/l  
RT: 7.908 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD072630.D  
Acq: 19 Apr 2022 17:44

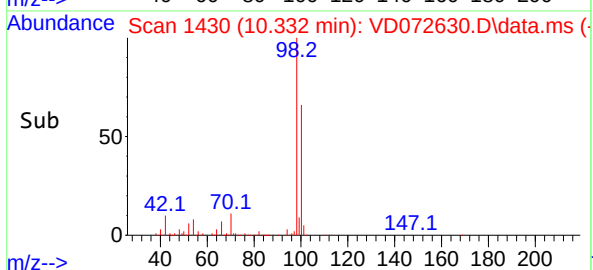
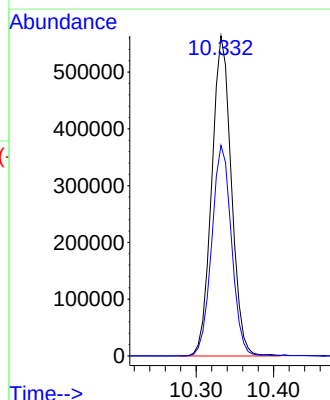
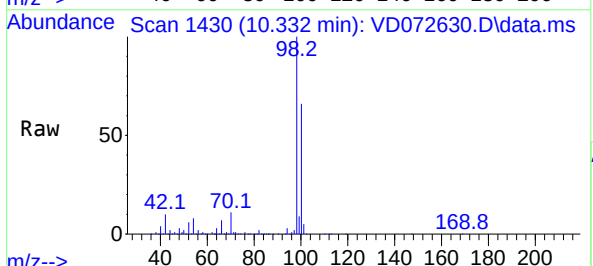
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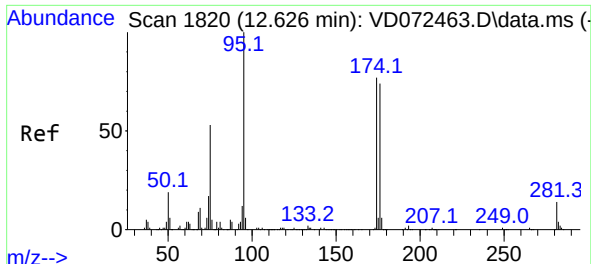
Tgt Ion:113 Resp: 270991  
Ion Ratio Lower Upper  
113 100  
111 101.8 83.8 125.6  
192 18.2 14.6 21.8



#50  
Toluene-d8  
Concen: 44.111 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD072630.D  
Acq: 19 Apr 2022 17:44

Tgt Ion: 98 Resp: 991661  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.4 78.6

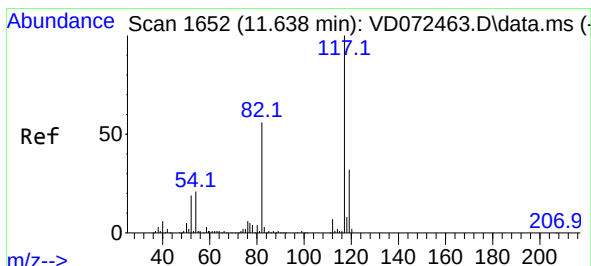
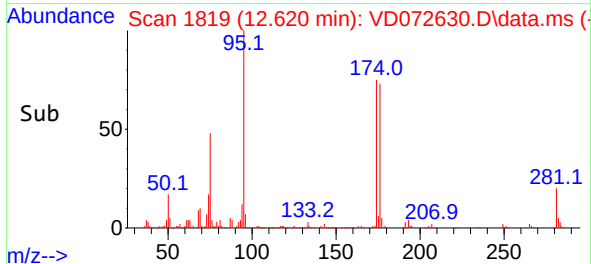
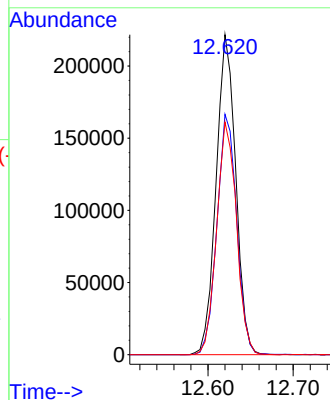
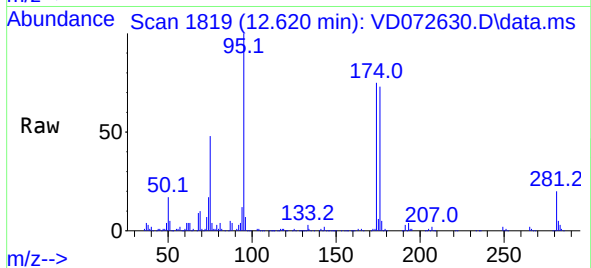




#62  
4-Bromofluorobenzene  
Concen: 40.327 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD072630.D  
Acq: 19 Apr 2022 17:44

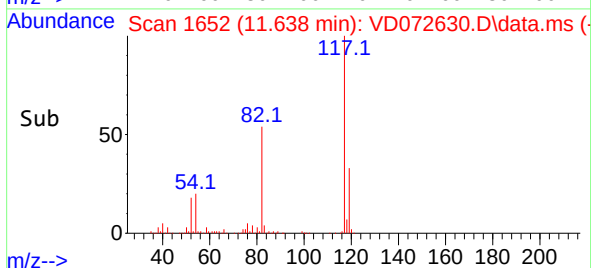
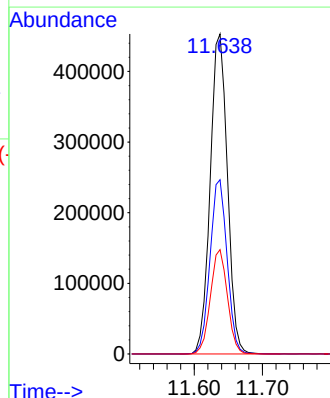
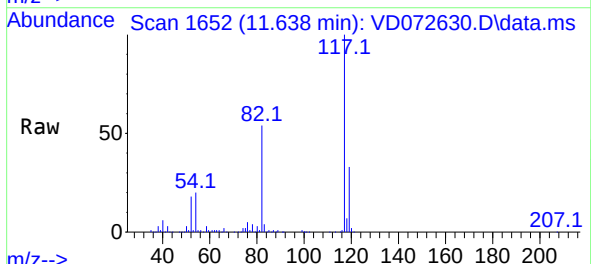
Instrument :  
MSVOA\_D  
ClientSampleId :  
22L091-A

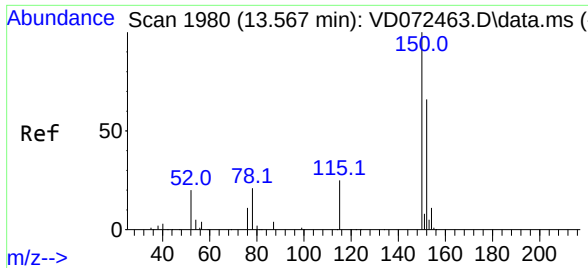
Tgt Ion: 95 Resp: 354062  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 152.8  
176 73.6 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD072630.D  
Acq: 19 Apr 2022 17:44

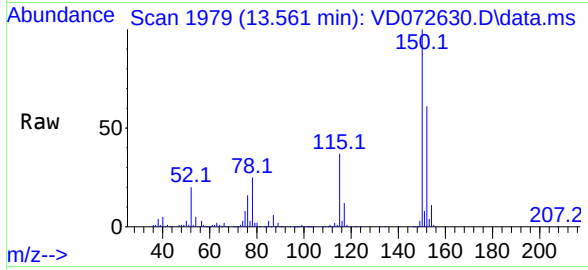
Tgt Ion: 117 Resp: 795190  
Ion Ratio Lower Upper  
117 100  
82 54.5 45.3 67.9  
119 32.6 26.6 40.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1980  
 Delta R.T. -0.006 min  
 Lab File: VD072630.D  
 Acq: 19 Apr 2022 17:44

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 22L091-A



Tgt Ion:152 Resp: 357503

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.4  | 31.3  | 93.8  |
| 150 | 157.8 | 0.0   | 348.6 |

