

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
 Data File : VD071394.D  
 Acq On : 20 Dec 2021 17:51  
 Operator : VA/SY  
 Sample : M5044-11  
 Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DA-11-4.5

Quant Time: Dec 20 20:54:38 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

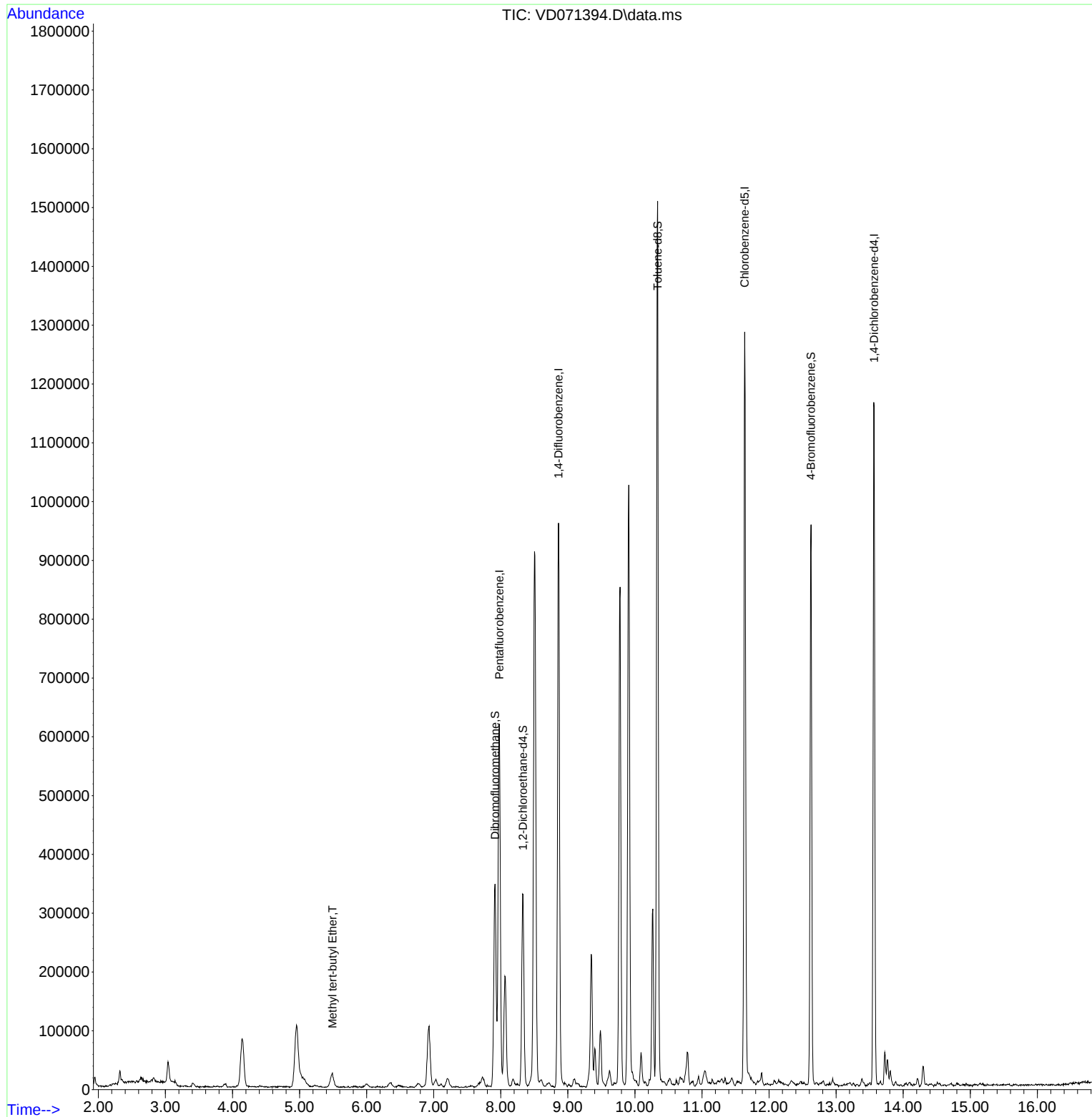
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.979  | 168   | 431284   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 752250   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 667329   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 284962   | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 263067   | 51.983   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 103.960% |             |
| 35) Dibromofluoromethane    | 7.914  | 113   | 243032   | 50.735   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 101.460% |             |
| 50) Toluene-d8              | 10.338 | 98    | 968740   | 53.142   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 106.280% |             |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 297403   | 47.065   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 94.140%  |             |
| Target Compounds            |        |       |          |          |            |             |
| 19) Methyl tert-butyl Ether | 5.491  | 73    | 21482    | 2.189    | ug/l       | Qvalue # 34 |
| -----                       |        |       |          |          |            |             |

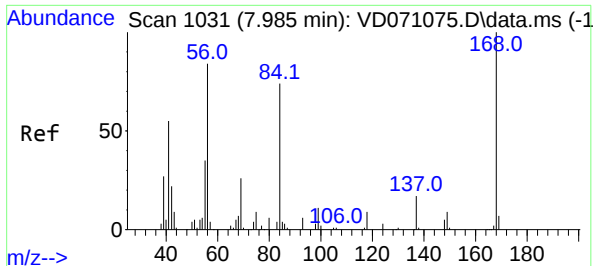
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

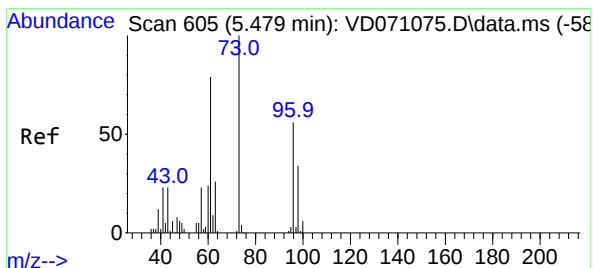
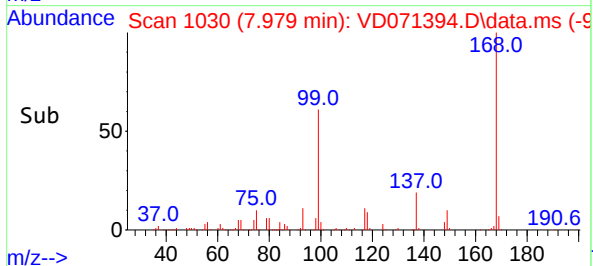
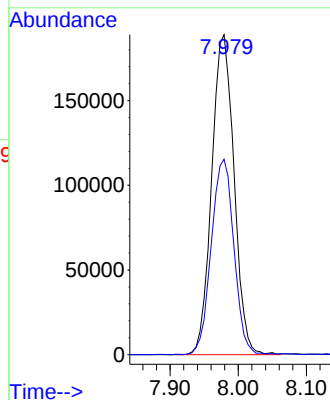
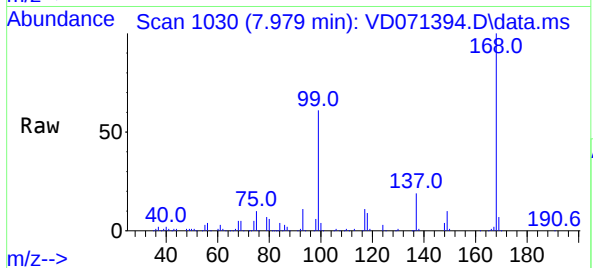




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

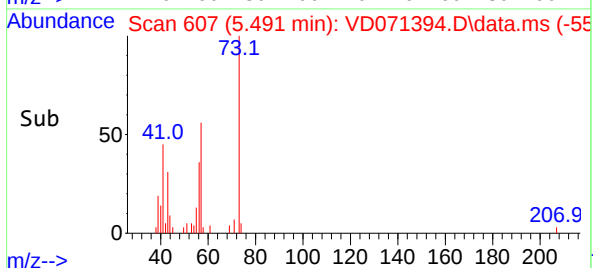
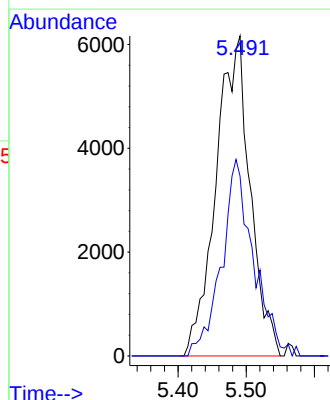
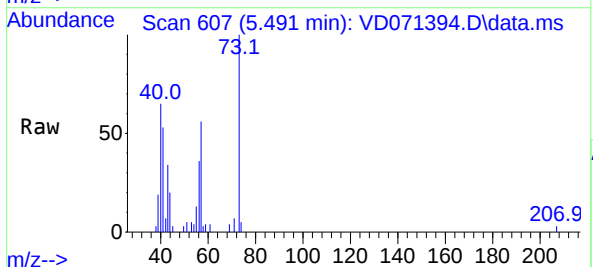
Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

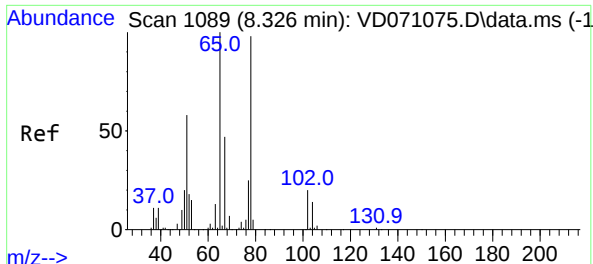
Tgt Ion:168 Resp: 431284  
Ion Ratio Lower Upper  
168 100  
99 61.0 46.6 69.8



#19  
Methyl tert-butyl Ether  
Concen: 2.189 ug/l  
RT: 5.491 min Scan# 607  
Delta R.T. 0.012 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

Tgt Ion: 73 Resp: 21482  
Ion Ratio Lower Upper  
73 100  
57 56.2 18.9 28.3#

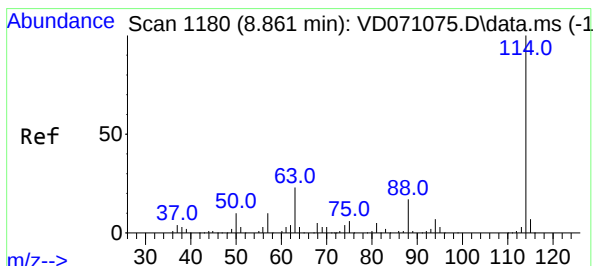
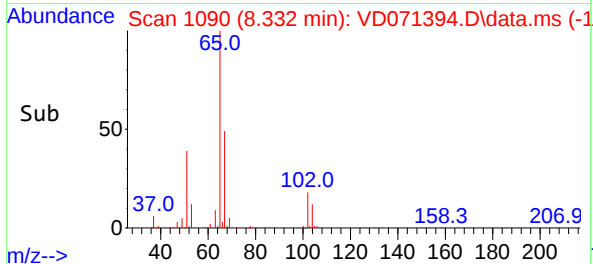
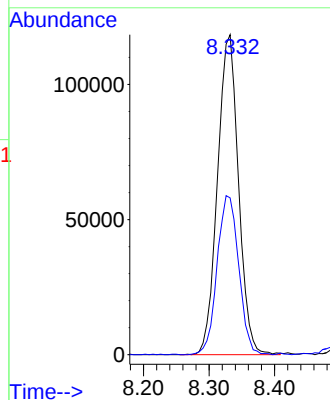
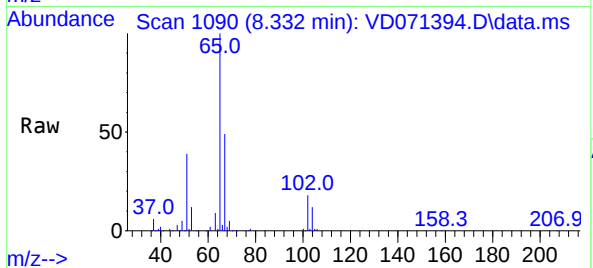




#33  
1,2-Dichloroethane-d4  
Concen: 51.983 ug/l  
RT: 8.332 min Scan# 1089  
Delta R.T. 0.006 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

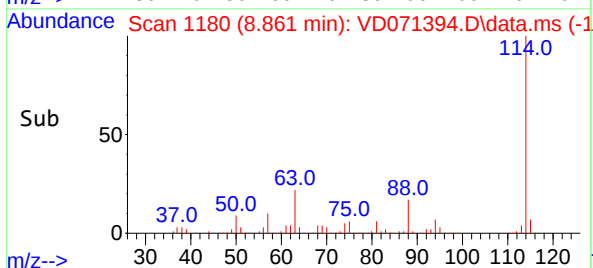
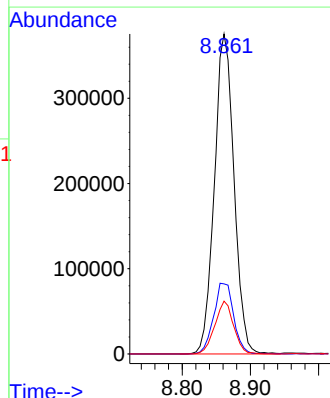
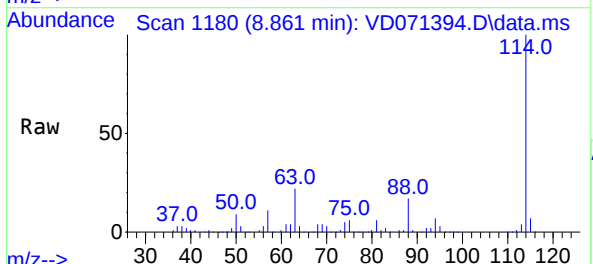
Instrument :  
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ClientSampleId :  
DA-11-4.5

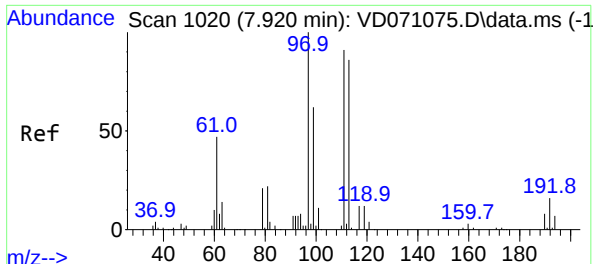
Tgt Ion: 65 Resp: 263067  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 112.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

Tgt Ion: 114 Resp: 752250  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 41.8  
88 16.5 0.0 32.8

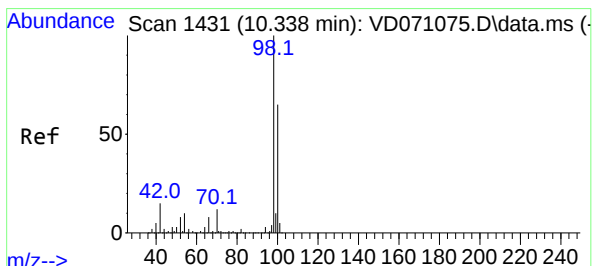
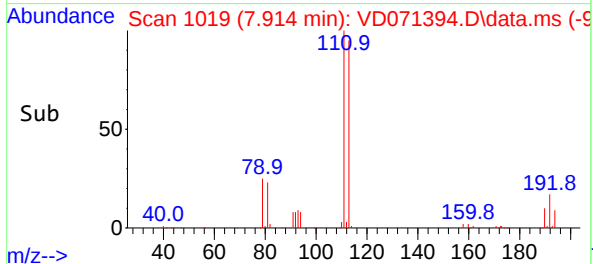
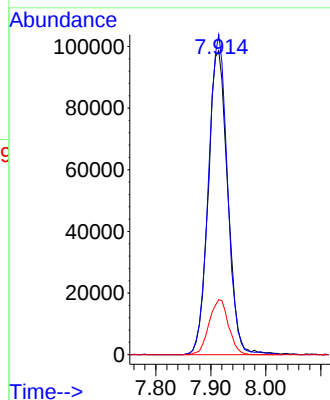
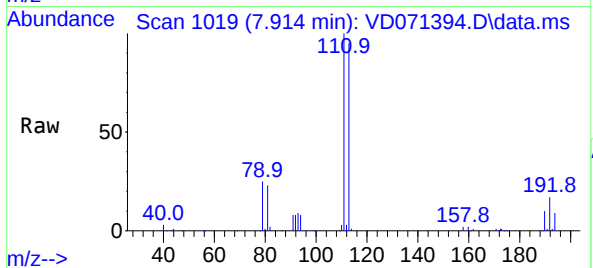




#35  
Dibromofluoromethane  
Concen: 50.735 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

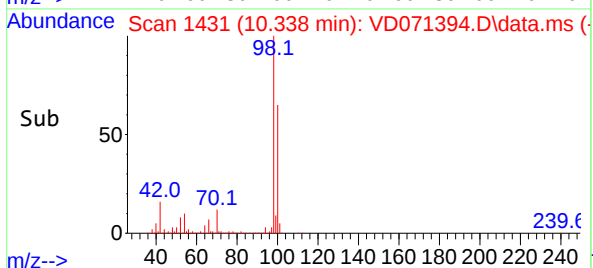
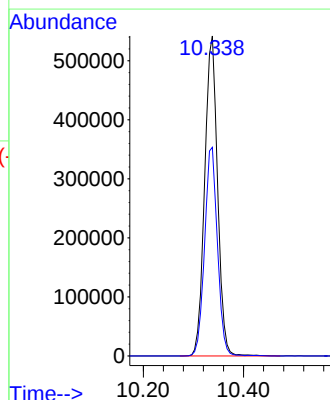
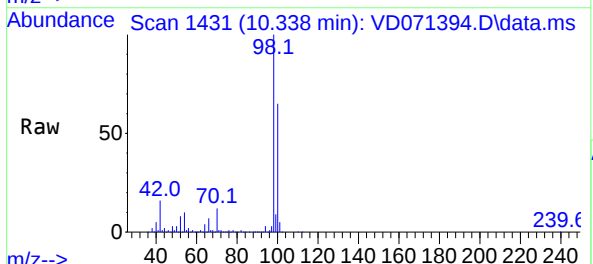
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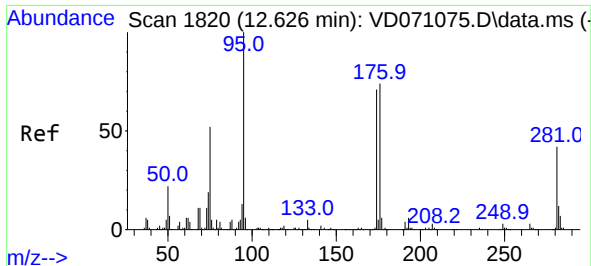
Tgt Ion:113 Resp: 243032  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.0 123.0  
192 18.0 15.2 22.8



#50  
Toluene-d8  
Concen: 53.142 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

Tgt Ion: 98 Resp: 968740  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.8 77.6

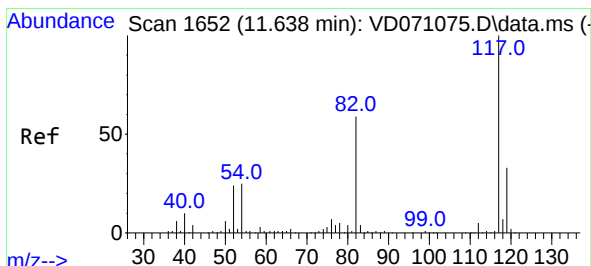
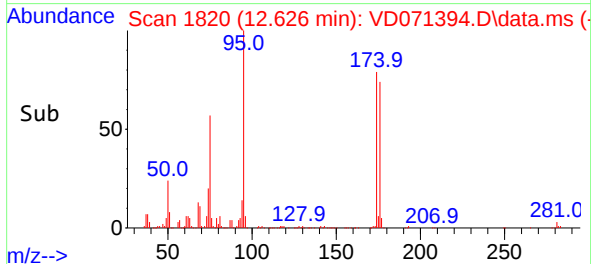
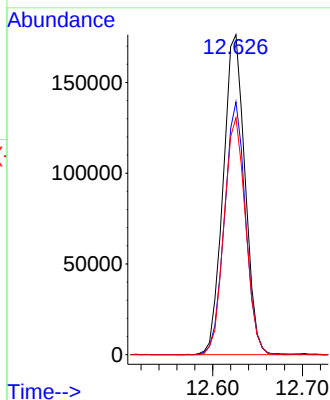
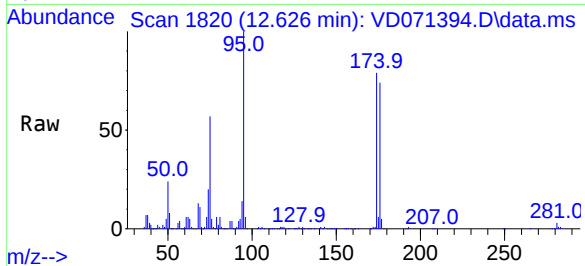




#62  
4-Bromofluorobenzene  
Concen: 47.065 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

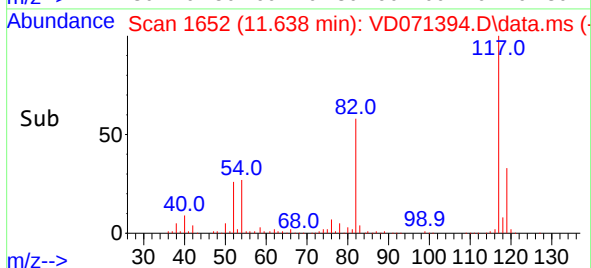
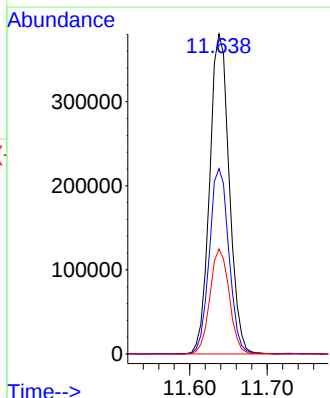
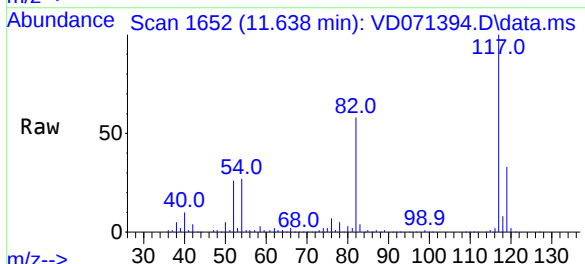
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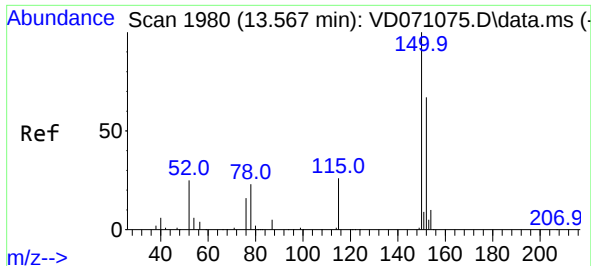
Tgt Ion: 95 Resp: 297403  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 159.4  
176 73.1 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

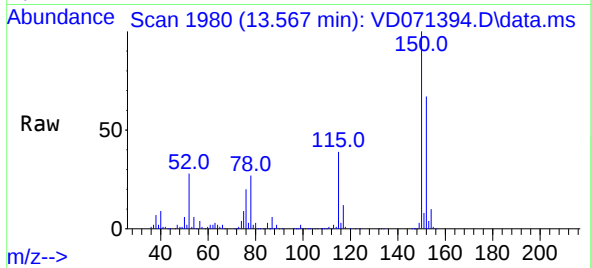
Tgt Ion: 117 Resp: 667329  
Ion Ratio Lower Upper  
117 100  
82 57.8 44.7 67.1  
119 32.8 26.2 39.4





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD071394.D  
Acq: 20 Dec 2021 17:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5



Tgt Ion:152 Resp: 284962  
Ion Ratio Lower Upper  
152 100  
115 63.0 29.8 89.3  
150 158.7 0.0 349.2

