

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122321\  
 Data File : VD071451.D  
 Acq On : 23 Dec 2021 19:05  
 Operator : VA/SY  
 Sample : M5044-03  
 Misc : 5.15G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DA-3-4.5

Quant Time: Dec 24 03:32:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

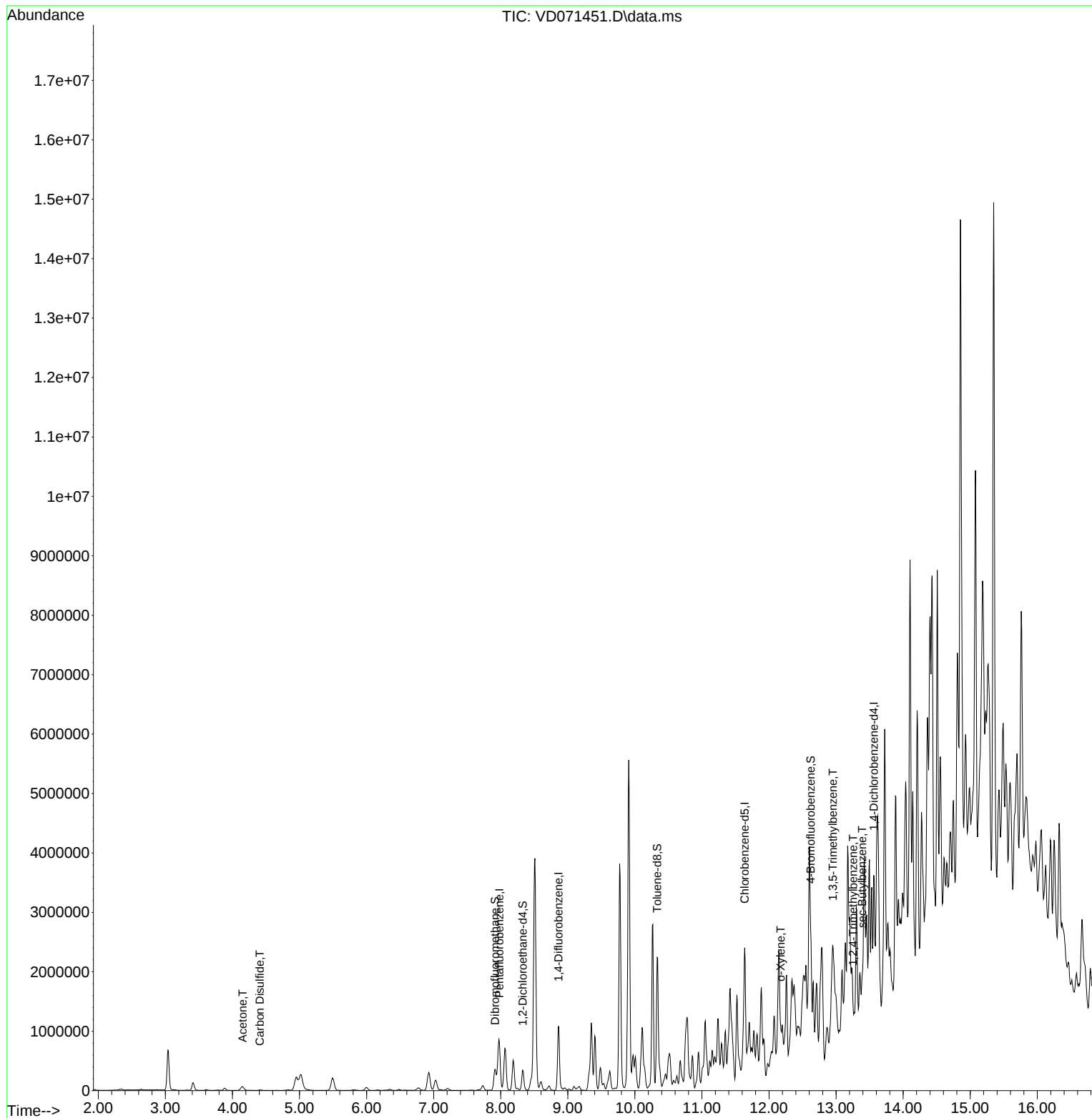
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 452688   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 790582   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 766173   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 401227   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 265493   | 44.160   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 88.320%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 249243   | 46.909   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 93.820%  |
| 50) Toluene-d8              | 10.332 | 98    | 1034717  | 51.532   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 103.060% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 444445   | 62.290   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 124.580% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.150  | 43    | 66953    | 44.337   | ug/l # | 68       |
| 17) Carbon Disulfide        | 4.409  | 76    | 17937    | 1.167    | ug/l # | 95       |
| 69) o-Xylene                | 12.173 | 106   | 32334    | 3.183    | ug/l   | 67       |
| 80) 1,3,5-Trimethylbenzene  | 12.949 | 105   | 143255   | 5.615    | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.255 | 105   | 48295    | 1.913    | ug/l   | 95       |
| 85) sec-Butylbenzene        | 13.391 | 105   | 74328    | 2.236    | ug/l # | 66       |
| -----                       |        |       |          |          |        |          |

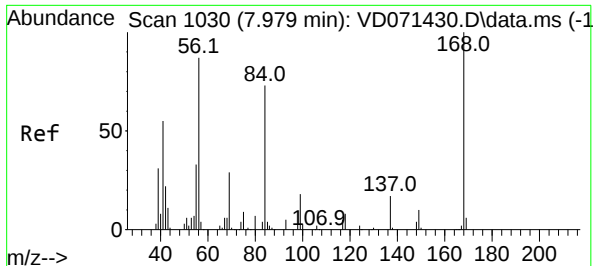
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
Quant Title : SW846 8260  
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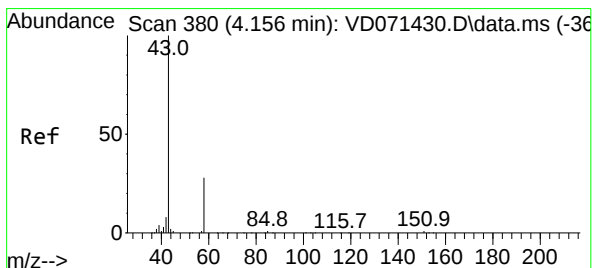
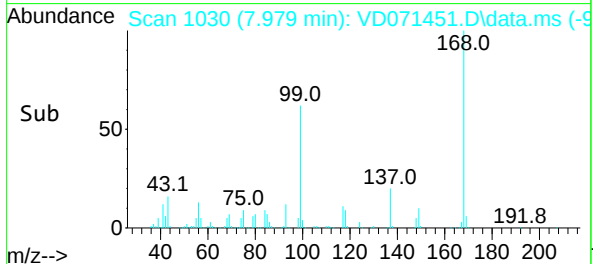
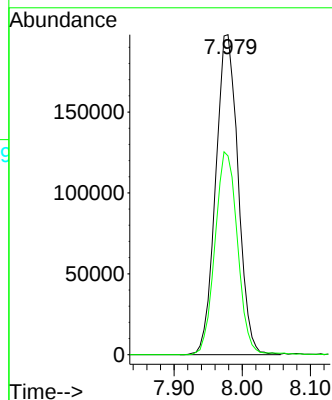
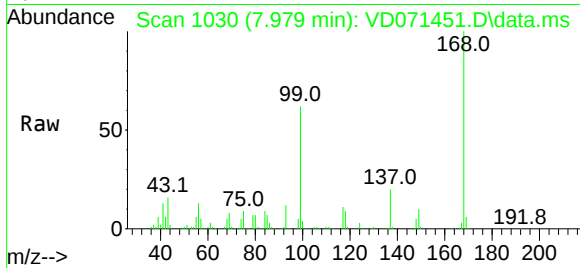




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

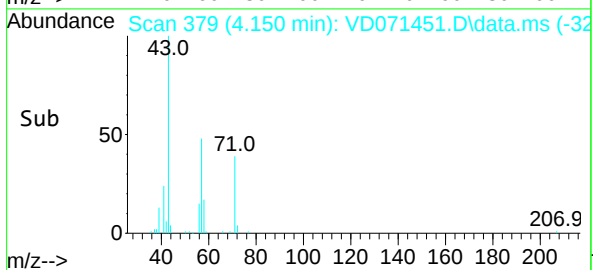
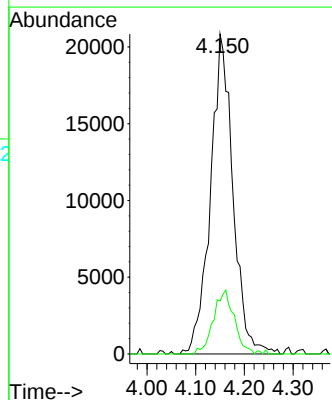
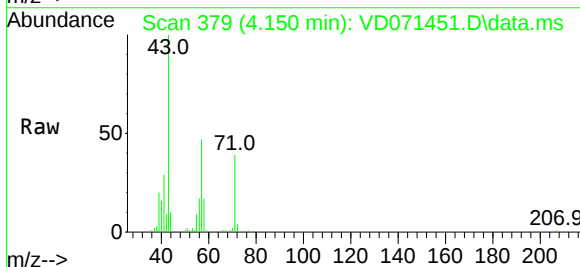
Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-3-4.5

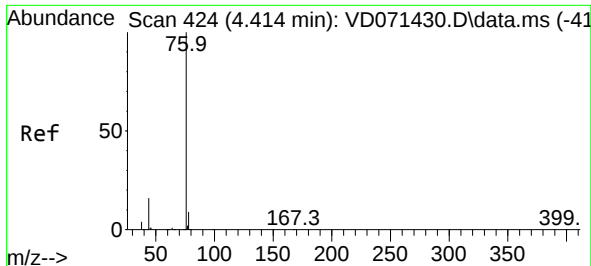
Tgt Ion:168 Resp: 452688  
Ion Ratio Lower Upper  
168 100  
99 62.1 46.6 69.8



#16  
Acetone  
Concen: 44.337 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

Tgt Ion: 43 Resp: 66953  
Ion Ratio Lower Upper  
43 100  
58 16.5 27.8 41.8#

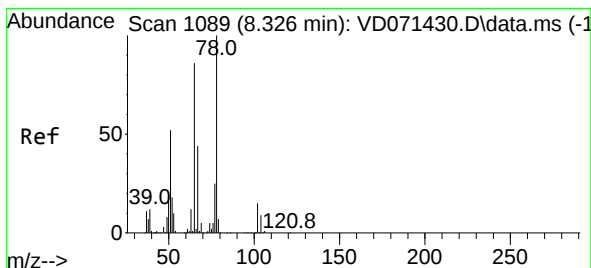
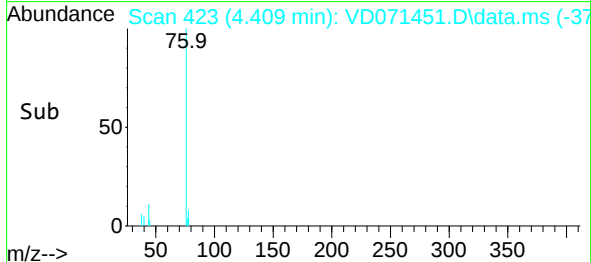
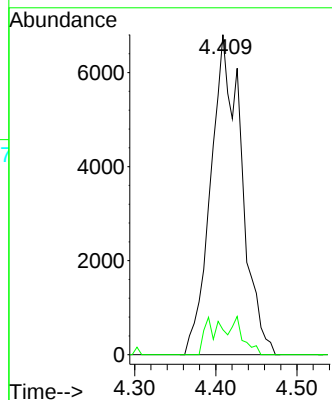
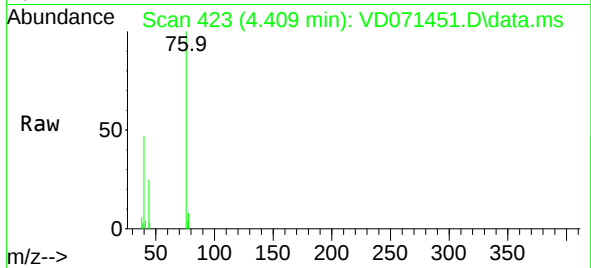




#17  
Carbon Disulfide  
Concen: 1.167 ug/l  
RT: 4.409 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

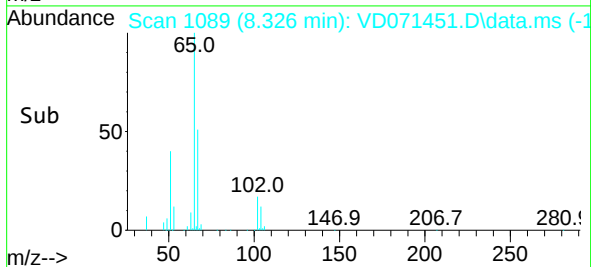
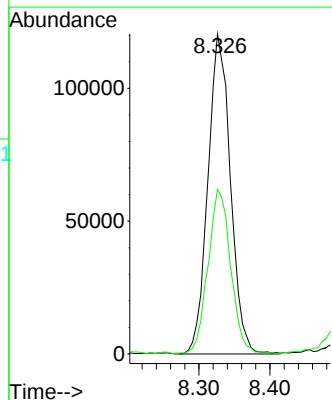
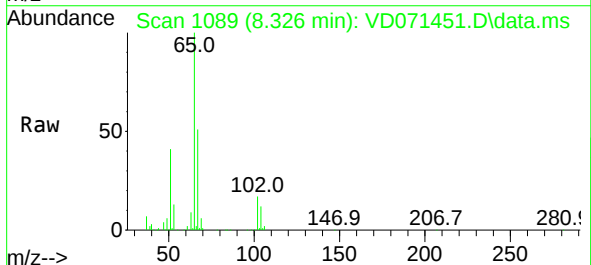
Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-3-4.5

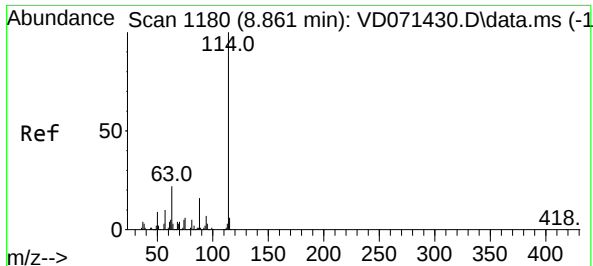
Tgt Ion: 76 Resp: 17937  
Ion Ratio Lower Upper  
76 100  
78 7.8 7.8 11.8#



#33  
1,2-Dichloroethane-d4  
Concen: 44.160 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

Tgt Ion: 65 Resp: 265493  
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: VD071451.D

Acq: 23 Dec 2021 19:05

Instrument :

MSVOA\_D

ClientSampleId :

DA-3-4.5

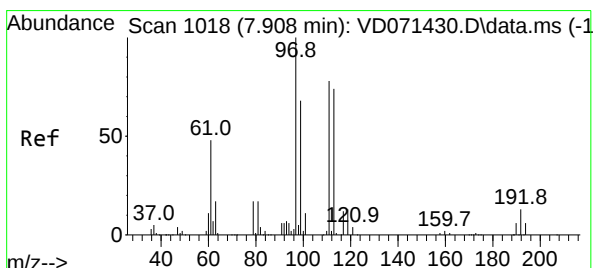
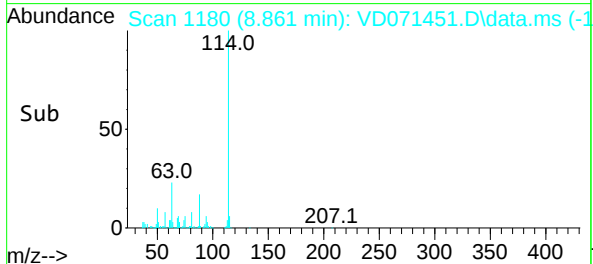
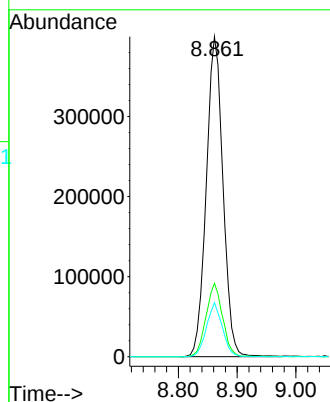
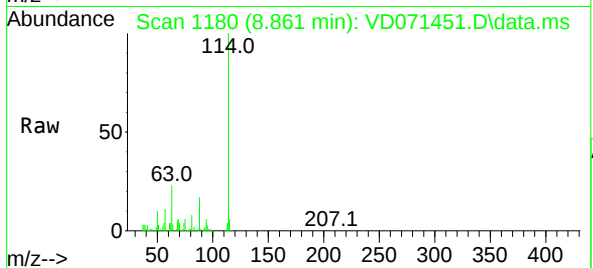
Tgt Ion:114 Resp: 790582

Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.909 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071451.D

Acq: 23 Dec 2021 19:05

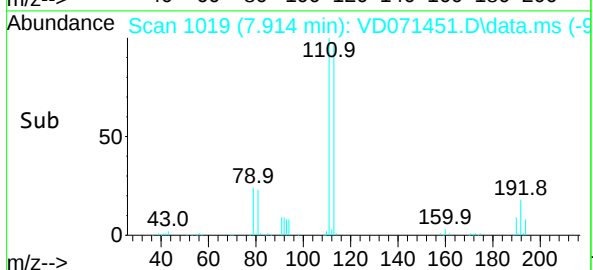
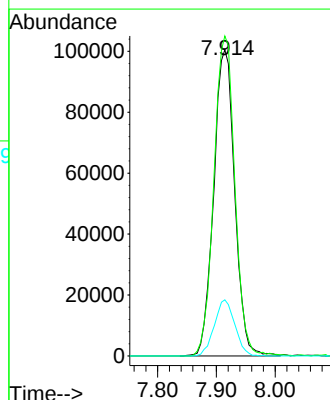
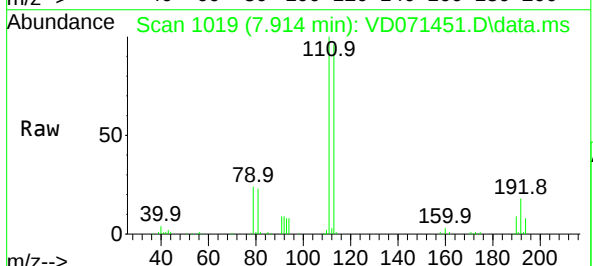
Tgt Ion:113 Resp: 249243

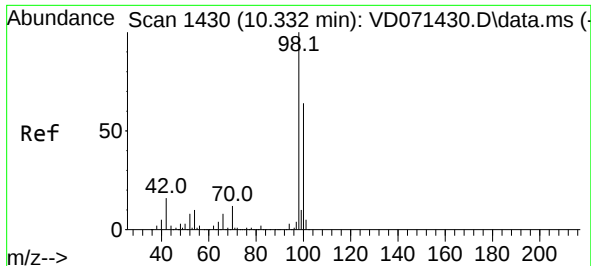
Ion Ratio Lower Upper

113 100

111 104.4 82.0 123.0

192 18.0 15.2 22.8

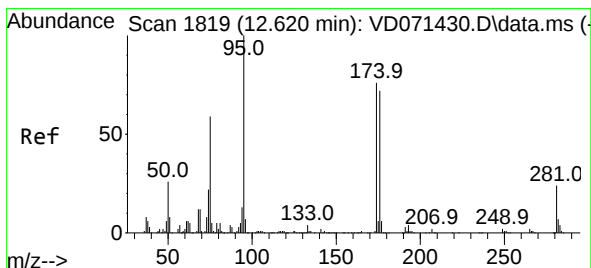
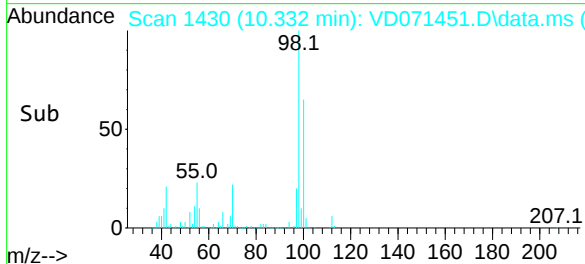
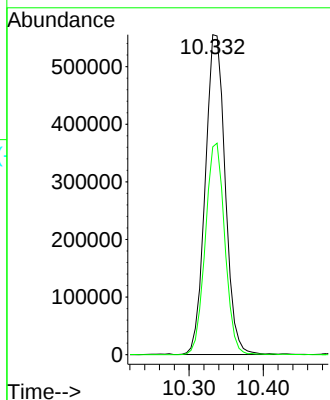
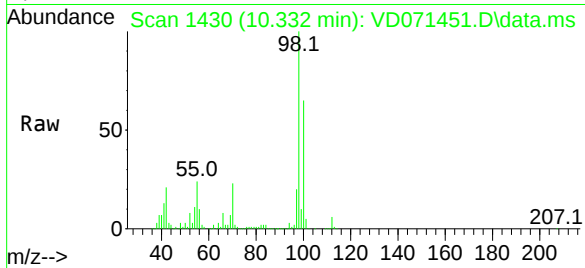




#50  
Toluene-d8  
Concen: 51.532 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

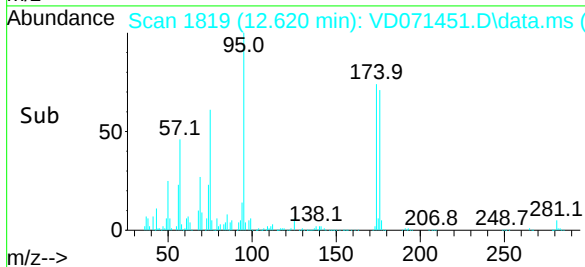
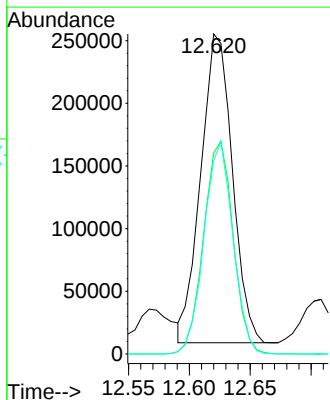
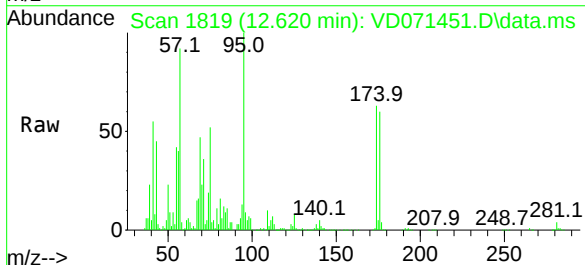
Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-3-4.5

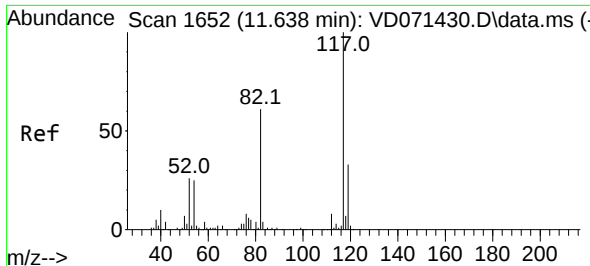
Tgt Ion: 98 Resp: 1034717  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 62.290 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

Tgt Ion: 95 Resp: 444445  
Ion Ratio Lower Upper  
95 100  
174 64.5 0.0 159.4  
176 62.9 0.0 154.0

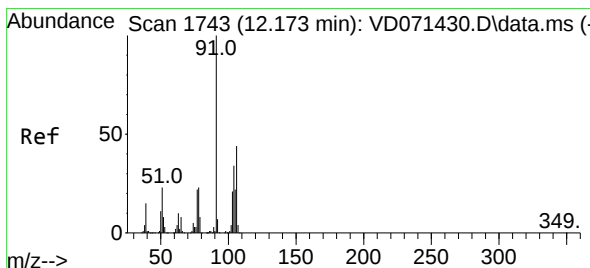
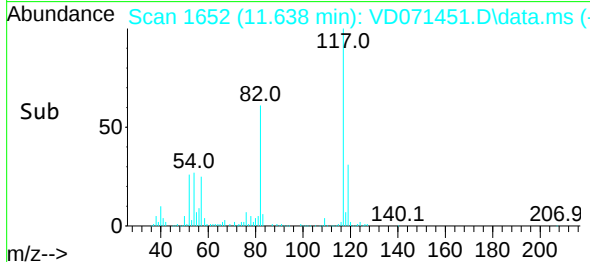
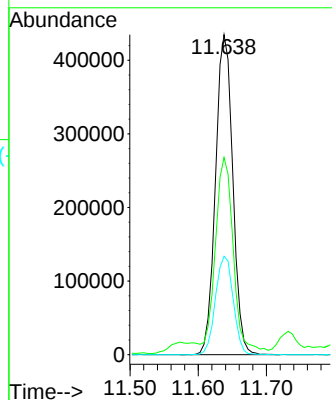
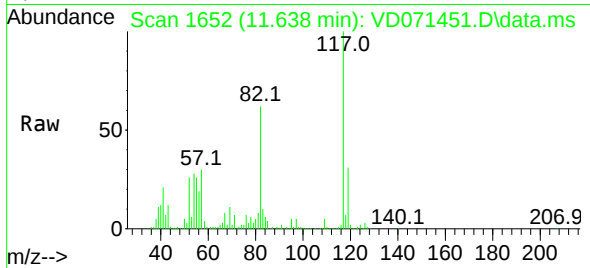




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

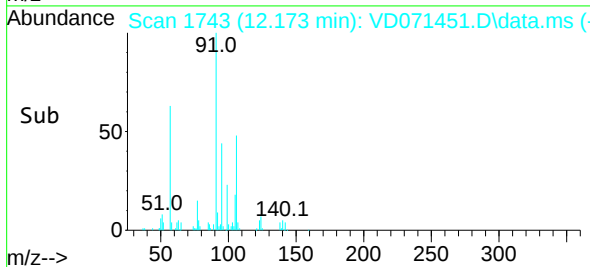
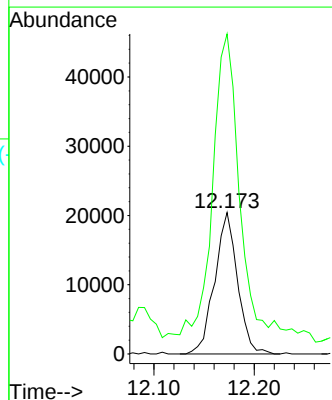
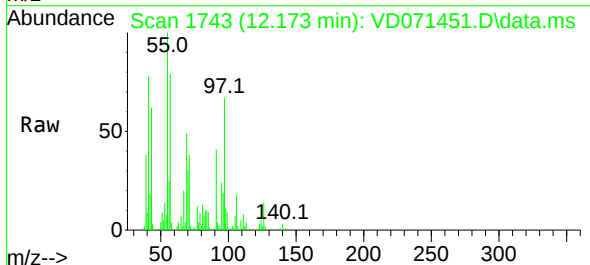
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ClientSampleId :  
DA-3-4.5

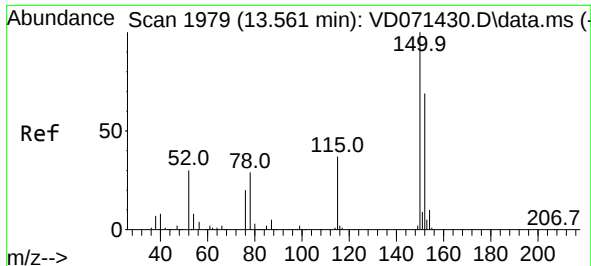
Tgt Ion:117 Resp: 766173  
Ion Ratio Lower Upper  
117 100  
82 57.6 44.7 67.1  
119 30.8 26.2 39.4



#69  
o-Xylene  
Concen: 3.183 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

Tgt Ion:106 Resp: 32334  
Ion Ratio Lower Upper  
106 100  
91 265.3 106.3 319.0

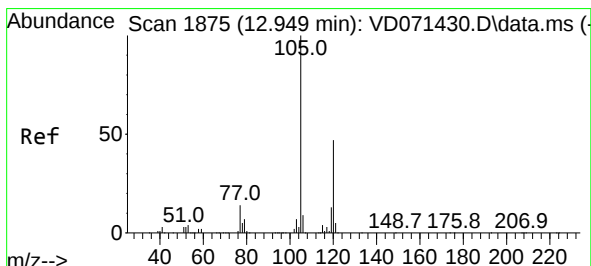
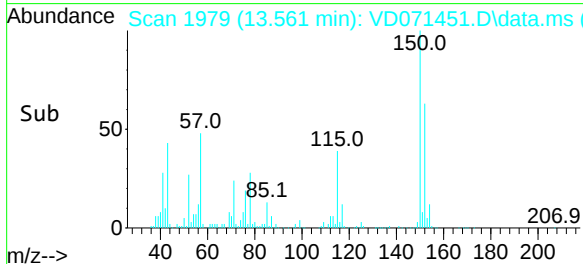
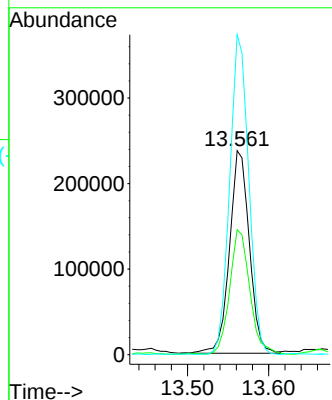
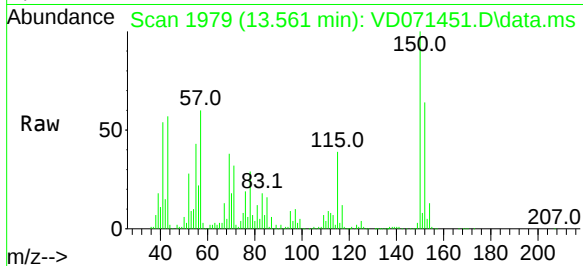




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD071451.D  
 Acq: 23 Dec 2021 19:05

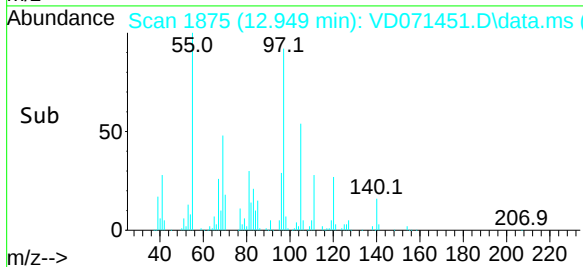
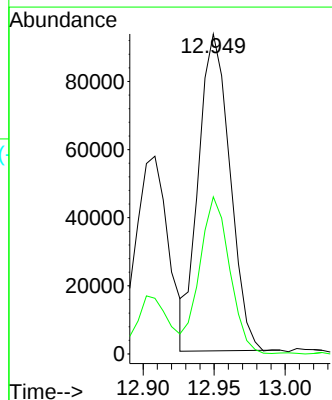
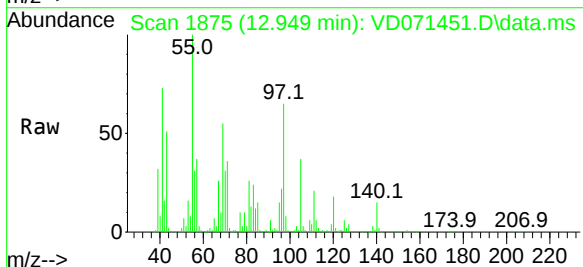
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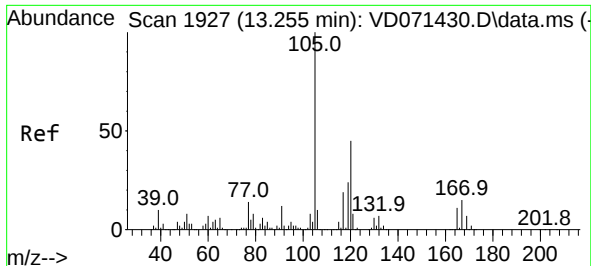
Tgt Ion:152 Resp: 401227  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 29.8 89.3  
 150 151.6 0.0 349.2



#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.615 ug/l  
 RT: 12.949 min Scan# 1875  
 Delta R.T. 0.000 min  
 Lab File: VD071451.D  
 Acq: 23 Dec 2021 19:05

Tgt Ion:105 Resp: 143255  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 24.6 73.8

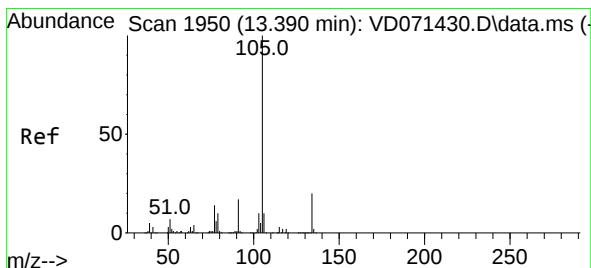
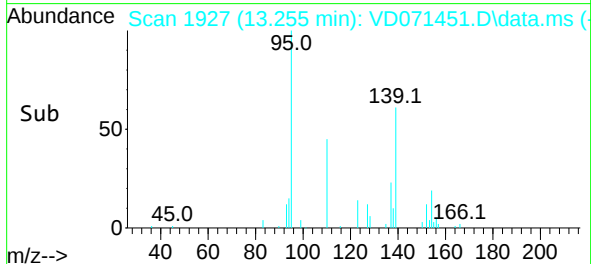
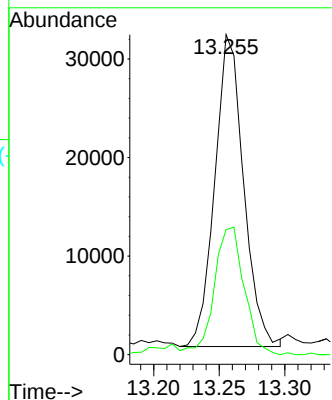
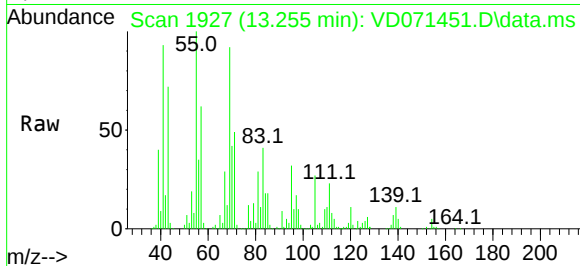




#84  
1,2,4-Trimethylbenzene  
Concen: 1.913 ug/l  
RT: 13.255 min Scan# 1927  
Delta R.T. -0.006 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-3-4.5

Tgt Ion:105 Resp: 48295  
Ion Ratio Lower Upper  
105 100  
120 42.4 22.9 68.7



#85  
sec-Butylbenzene  
Concen: 2.236 ug/l  
RT: 13.391 min Scan# 1950  
Delta R.T. 0.001 min  
Lab File: VD071451.D  
Acq: 23 Dec 2021 19:05

Tgt Ion:105 Resp: 74328  
Ion Ratio Lower Upper  
105 100  
134 34.9 9.7 28.9#

