

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050422\  
 Data File : VD072786.D  
 Acq On : 04 May 2022 14:01  
 Operator : VA/SY  
 Sample : N2659-02  
 Misc : 5.38G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 22L097-B

Quant Time: May 05 01:37:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

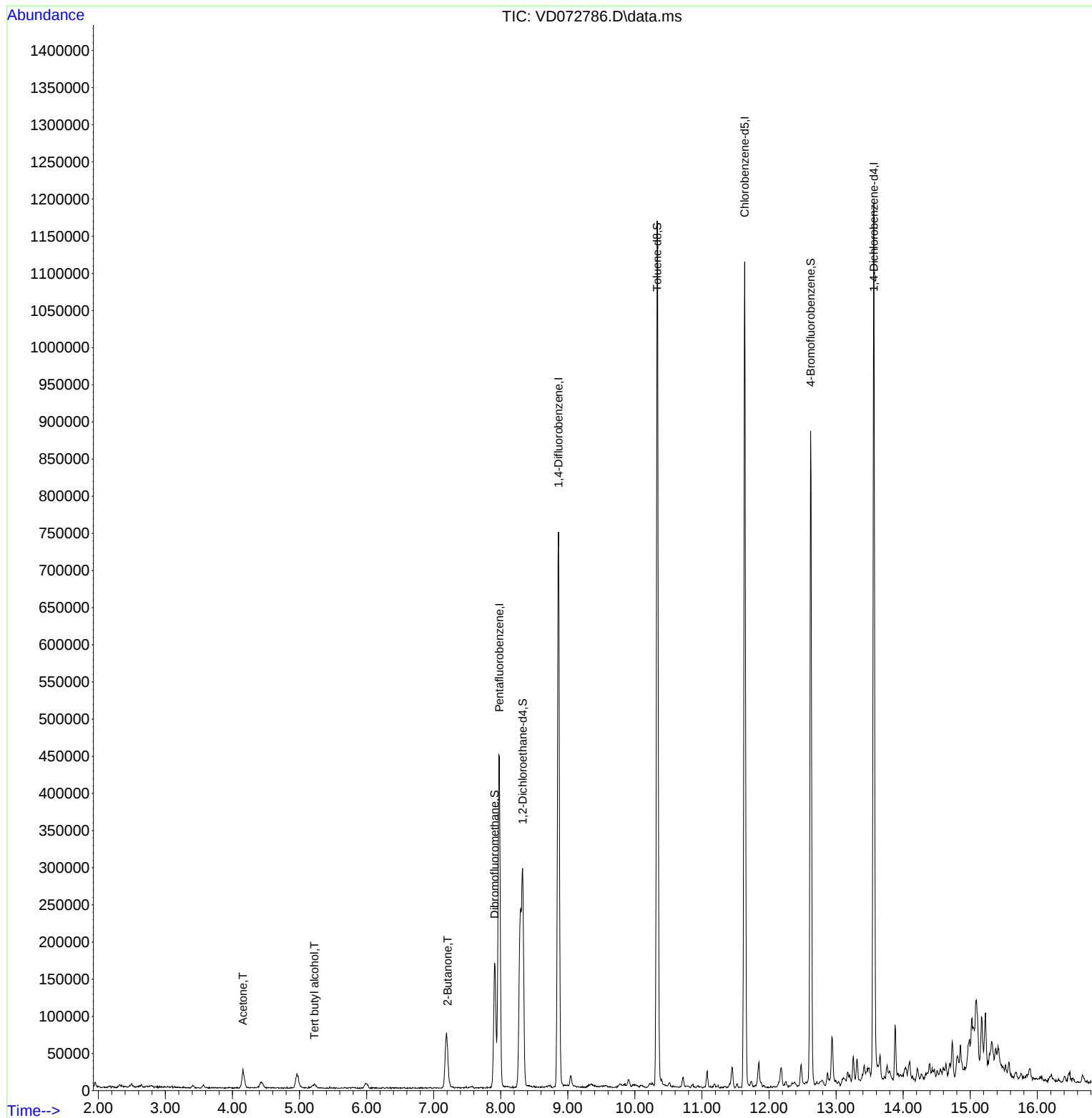
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 7.979     | 168            | 320731   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861     | 114            | 631211   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638    | 117            | 625683   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561    | 152            | 293002   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326     | 65             | 212064   | 50.936     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | = 101.880% |        |          |
| 35) Dibromofluoromethane    | 7.908     | 113            | 122144   | 27.553     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | = 55.100%  |        |          |
| 50) Toluene-d8              | 10.332    | 98             | 776956   | 48.859     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 49 - 140 | Recovery | = 97.720%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.620    | 95             | 284590   | 47.997     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 25 - 144 | Recovery | = 96.000%  |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            |        | Qvalue   |
| 11) Tert butyl alcohol      | 5.220     | 59             | 8544     | 23.719     | ug/l # | 83       |
| 16) Acetone                 | 4.156     | 43             | 40161    | 39.816     | ug/l   | 96       |
| 25) 2-Butanone              | 7.209     | 43             | 15128    | 12.471     | ug/l # | 85       |
| -----                       |           |                |          |            |        |          |

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

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QLast Update : Tue May 03 08:33:49 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072786.D

Acq: 04 May 2022 14:01

Instrument :

MSVOA\_D

ClientSampleId :

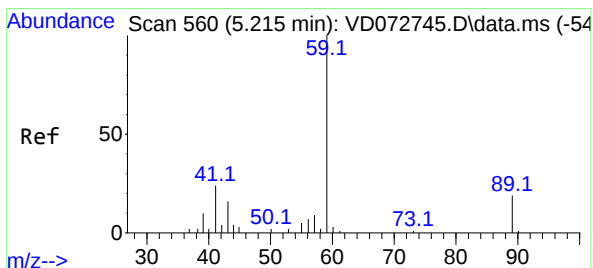
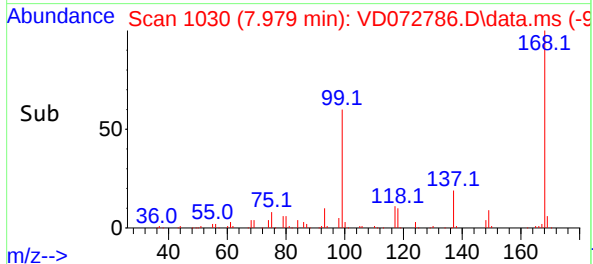
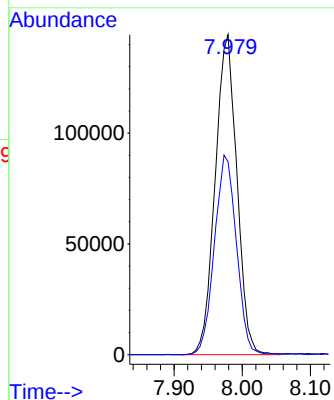
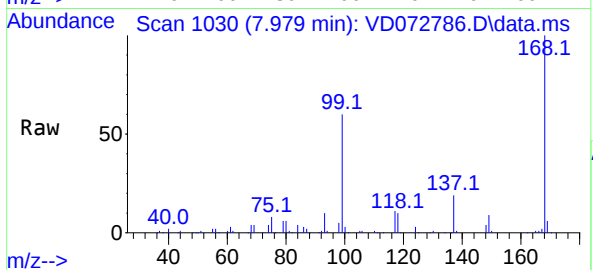
22L097-B

Tgt Ion:168 Resp: 320731

Ion Ratio Lower Upper

168 100

99 60.3 49.8 74.6



#11

Tert butyl alcohol

Concen: 23.719 ug/l

RT: 5.220 min Scan# 561

Delta R.T. 0.005 min

Lab File: VD072786.D

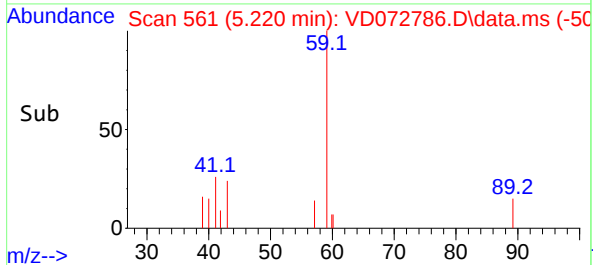
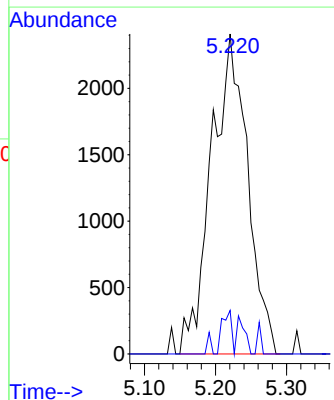
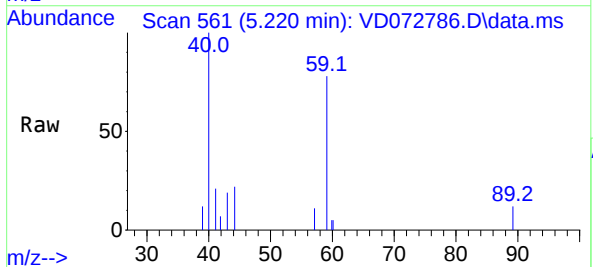
Acq: 04 May 2022 14:01

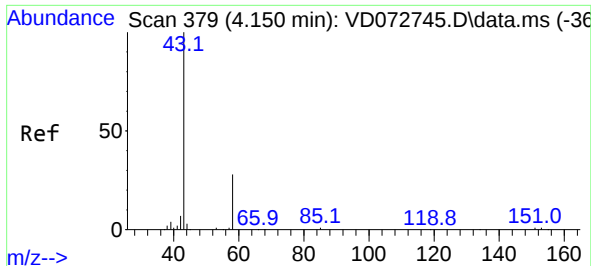
Tgt Ion: 59 Resp: 8544

Ion Ratio Lower Upper

59 100

57 3.5 7.8 11.6#

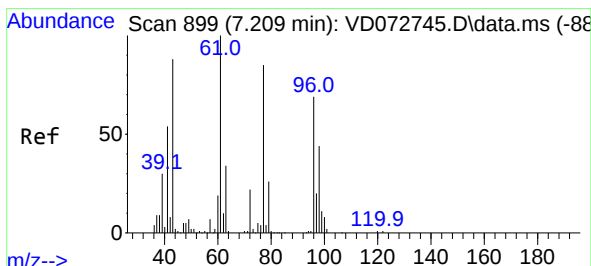
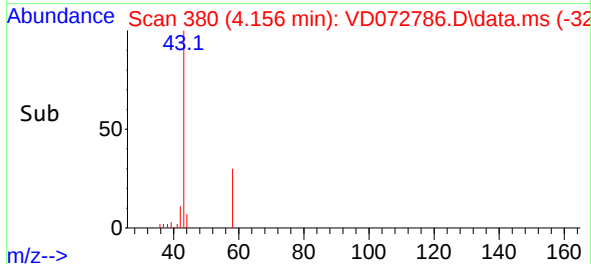
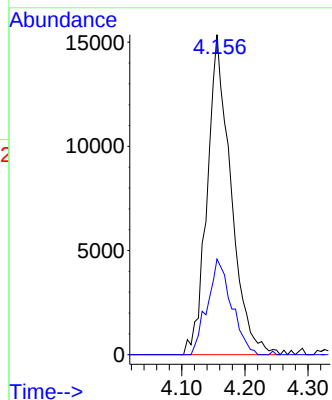
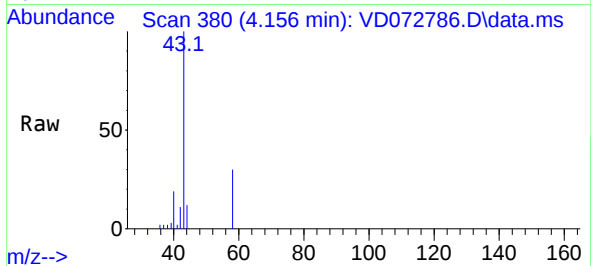




#16  
Acetone  
Concen: 39.816 ug/l  
RT: 4.156 min Scan# 379  
Delta R.T. 0.006 min  
Lab File: VD072786.D  
Acq: 04 May 2022 14:01

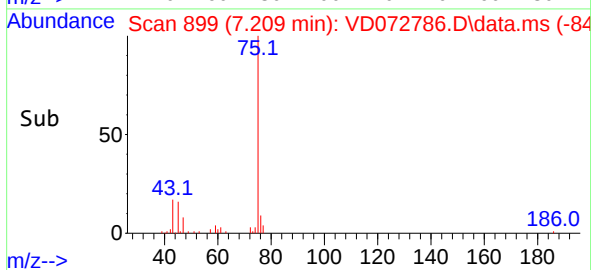
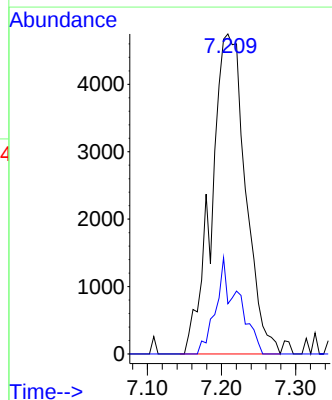
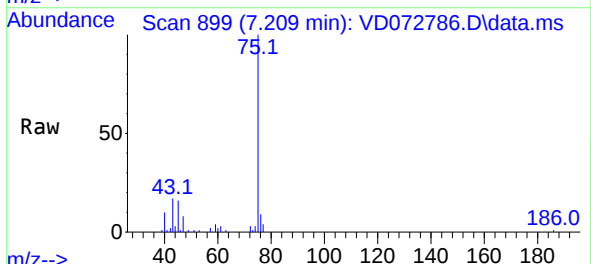
Instrument :  
MSVOA\_D  
ClientSampleId :  
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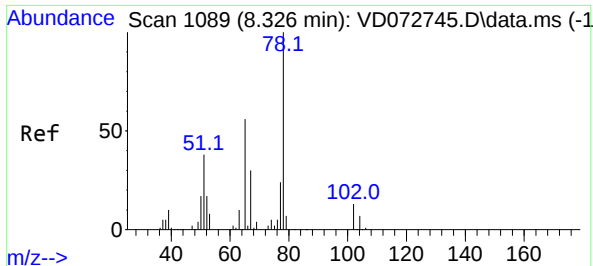
Tgt Ion: 43 Resp: 40161  
Ion Ratio Lower Upper  
43 100  
58 29.9 22.1 33.1



#25  
2-Butanone  
Concen: 12.471 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD072786.D  
Acq: 04 May 2022 14:01

Tgt Ion: 43 Resp: 15128  
Ion Ratio Lower Upper  
43 100  
72 15.7 18.6 27.8#





#33

1,2-Dichloroethane-d4

Concen: 50.936 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072786.D

Acq: 04 May 2022 14:01

Instrument :

MSVOA\_D

ClientSampleId :

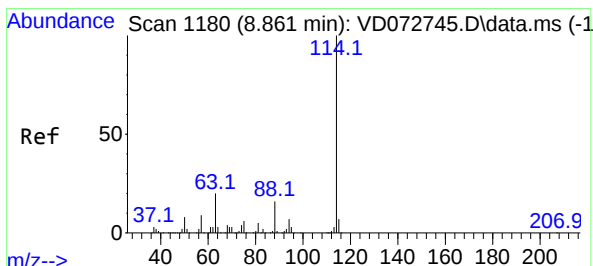
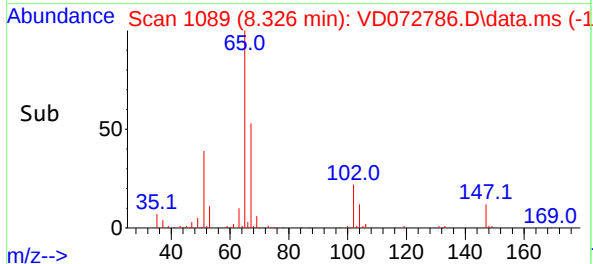
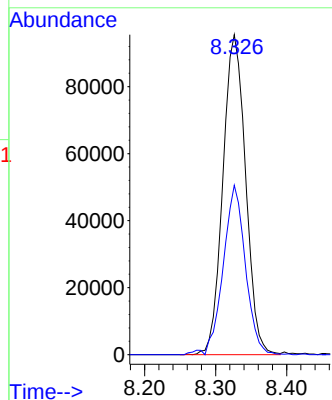
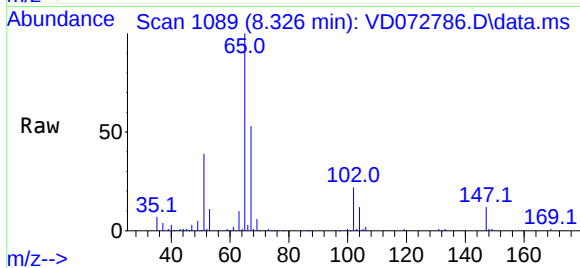
22L097-B

Tgt Ion: 65 Resp: 212064

Ion Ratio Lower Upper

65 100

67 51.9 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: VD072786.D

Acq: 04 May 2022 14:01

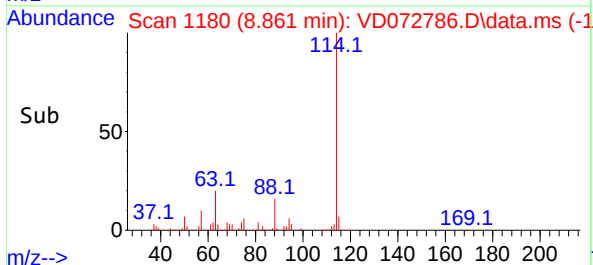
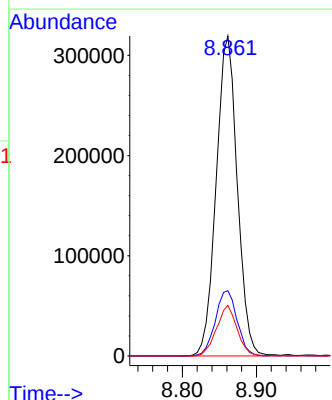
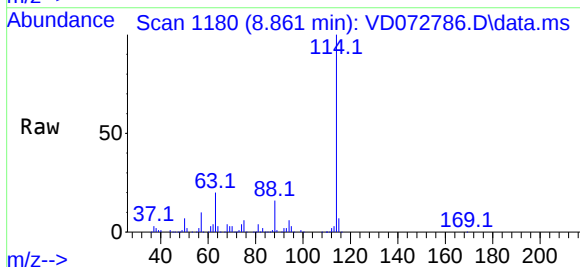
Tgt Ion: 114 Resp: 631211

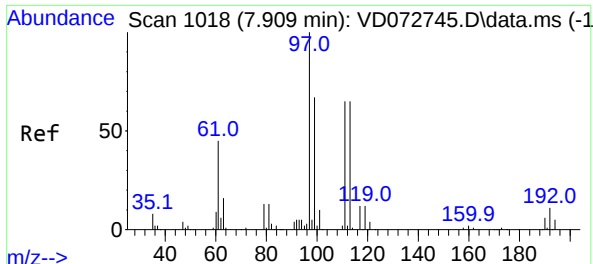
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

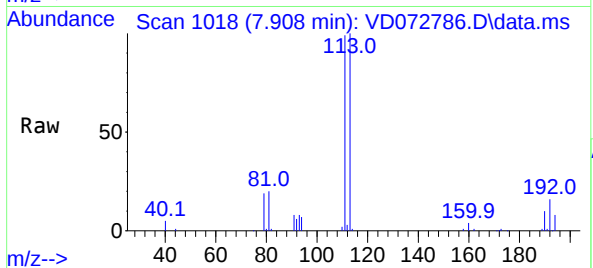
88 15.8 0.0 33.2



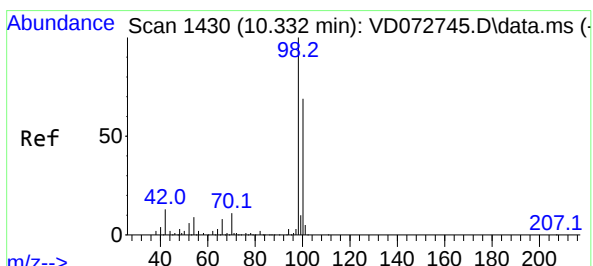
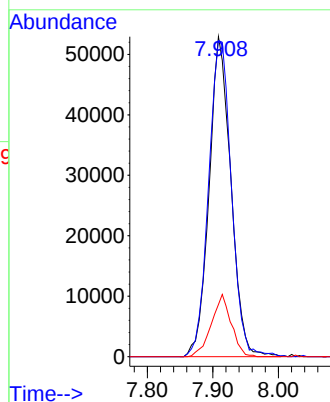
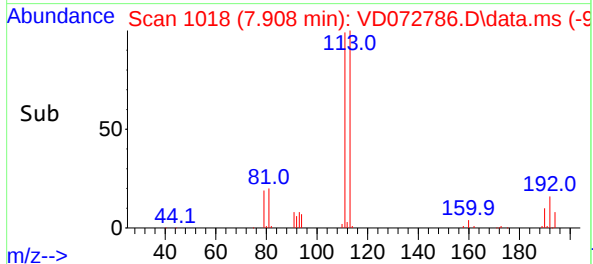


#35  
Dibromofluoromethane  
Concen: 27.553 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.001 min  
Lab File: VD072786.D  
Acq: 04 May 2022 14:01

Instrument :  
MSVOA\_D  
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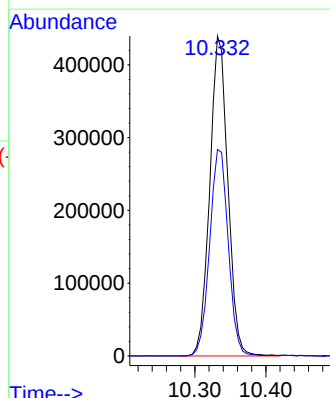
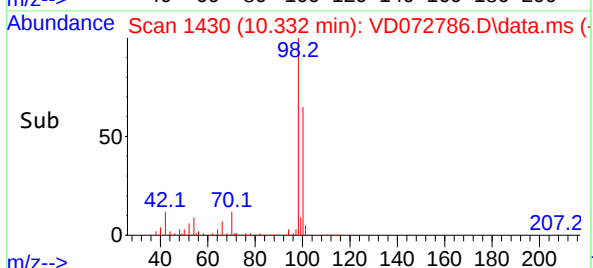
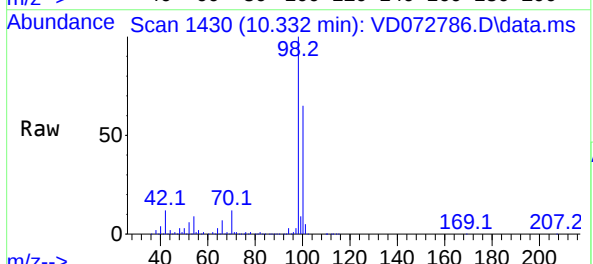


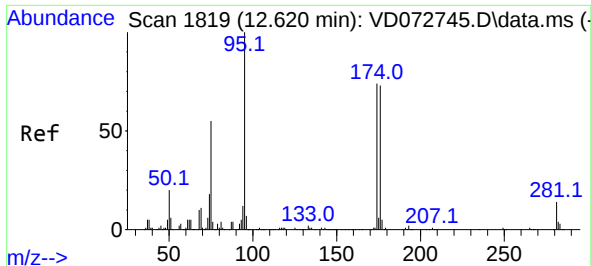
Tgt Ion:113 Resp: 122144  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.8 125.6  
192 17.7 14.6 21.8



#50  
Toluene-d8  
Concen: 48.859 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072786.D  
Acq: 04 May 2022 14:01

Tgt Ion: 98 Resp: 776956  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.4 78.6

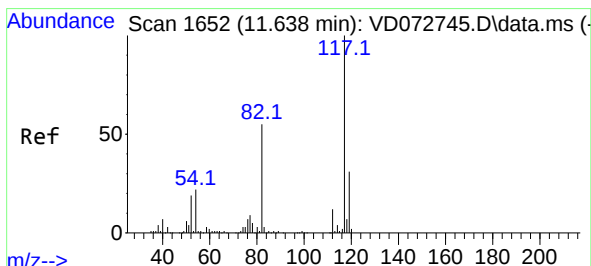
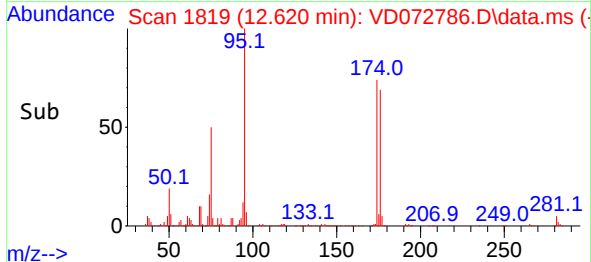
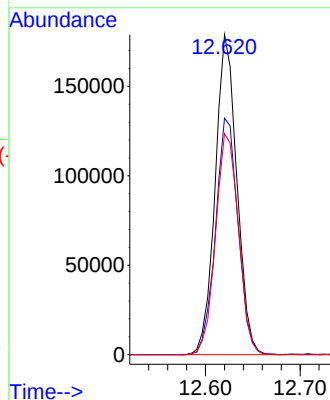
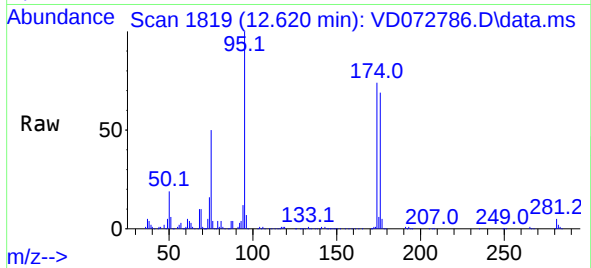




#62  
4-Bromofluorobenzene  
Concen: 47.997 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD072786.D  
Acq: 04 May 2022 14:01

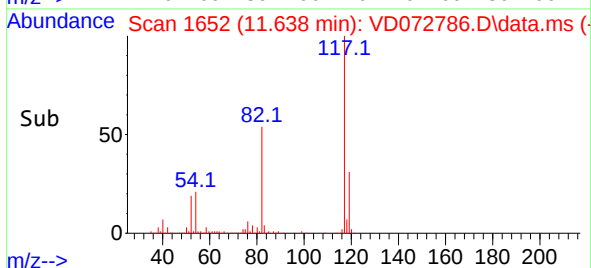
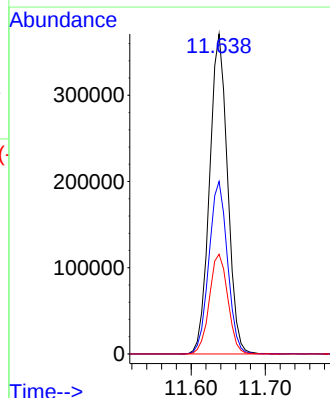
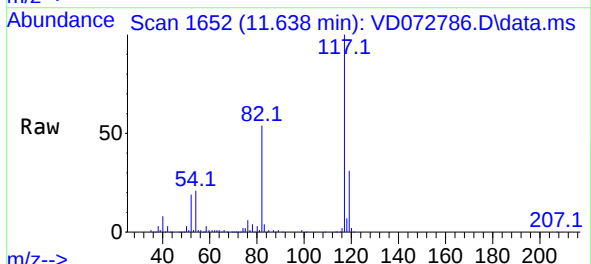
Instrument :  
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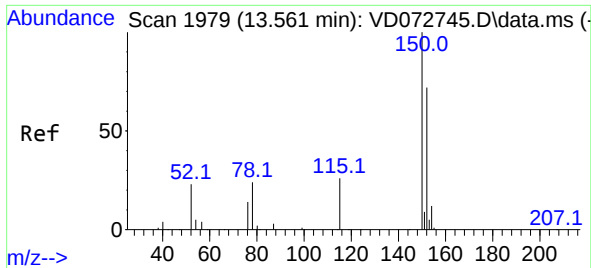
Tgt Ion: 95 Resp: 284590  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 152.8  
176 72.8 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD072786.D  
Acq: 04 May 2022 14:01

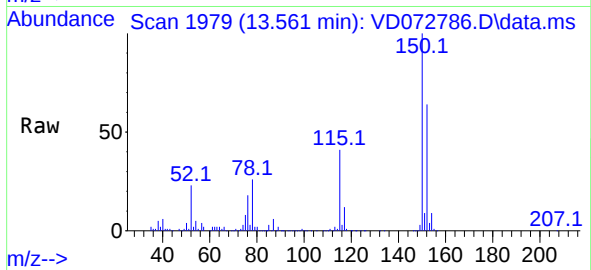
Tgt Ion: 117 Resp: 625683  
Ion Ratio Lower Upper  
117 100  
82 53.9 45.3 67.9  
119 31.2 26.6 40.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD072786.D  
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Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Tgt Ion:152 Resp: 293002  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.4  | 31.3  | 93.8  |
| 150 | 157.3 | 0.0   | 348.6 |

