

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041123\  
 Data File : VD075625.D  
 Acq On : 11 Apr 2023 17:38  
 Operator : KP/SY  
 Sample : 02258-03  
 Misc : 3.92G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20230215-6-1

Quant Time: Apr 12 02:58:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 18:54:55 2023  
 Response via : Initial Calibration

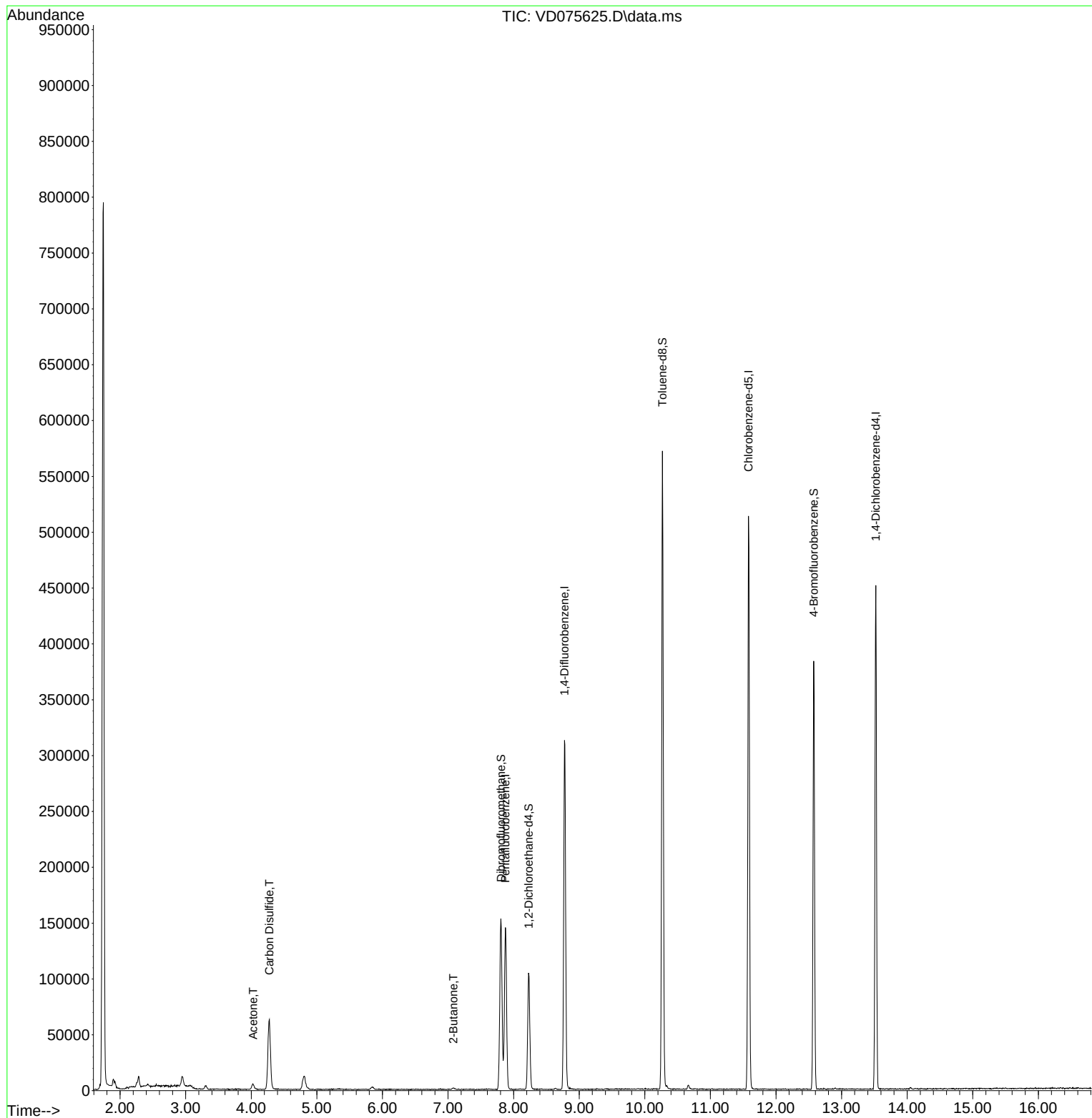
| Compound                    | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                       |           |       |          |          |             |          |
| Internal Standards          |           |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.875     | 168   | 117484   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775     | 114   | 304446   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.581    | 117   | 326392   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.522    | 152   | 128881   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.228     | 65    | 82472    | 85.571   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 171.140%# |          |
| 35) Dibromofluoromethane    | 7.810     | 113   | 115084   | 64.501   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 129.000%  |          |
| 50) Toluene-d8              | 10.269    | 98    | 413030   | 59.018   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 118.040%  |          |
| 62) 4-Bromofluorobenzene    | 12.575    | 95    | 119781   | 55.290   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 110.580%  |          |
| Target Compounds            |           |       |          |          |             |          |
|                             |           |       |          |          |             | Qvalue   |
| 16) Acetone                 | 4.028     | 43    | 7875     | 44.843   | ug/l        | 93       |
| 17) Carbon Disulfide        | 4.275     | 76    | 137044   | 48.620   | ug/l #      | 93       |
| 25) 2-Butanone              | 7.081     | 43    | 1596     | 7.003    | ug/l        | 98       |
| -----                       |           |       |          |          |             |          |

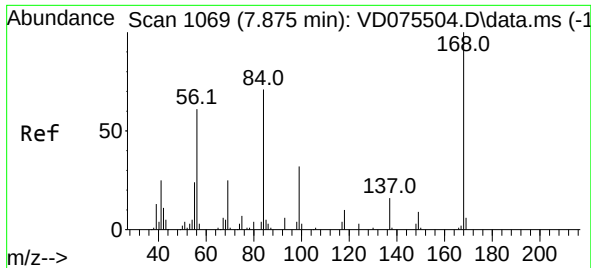
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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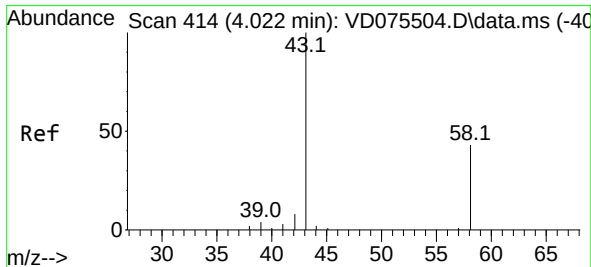
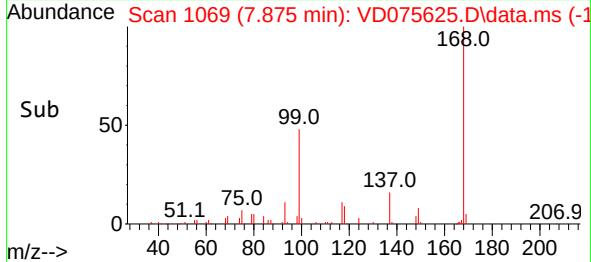
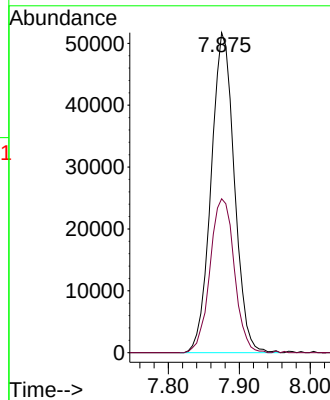
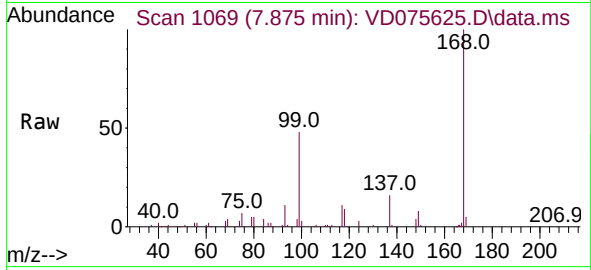




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075625.D  
Acq: 11 Apr 2023 17:38

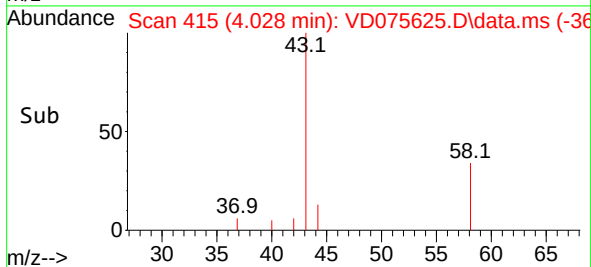
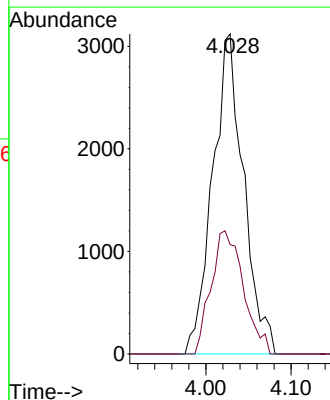
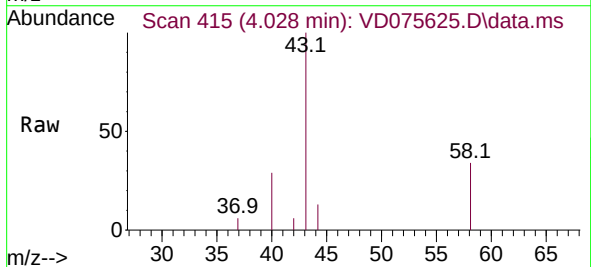
Instrument :  
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20230215-6-1

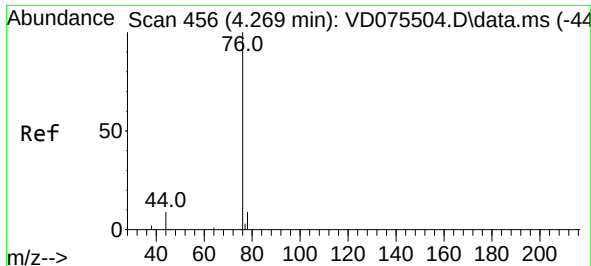
Tgt Ion:168 Resp: 117484  
Ion Ratio Lower Upper  
168 100  
99 48.1 43.8 65.6



#16  
Acetone  
Concen: 44.843 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD075625.D  
Acq: 11 Apr 2023 17:38

Tgt Ion: 43 Resp: 7875  
Ion Ratio Lower Upper  
43 100  
58 34.2 24.4 36.6

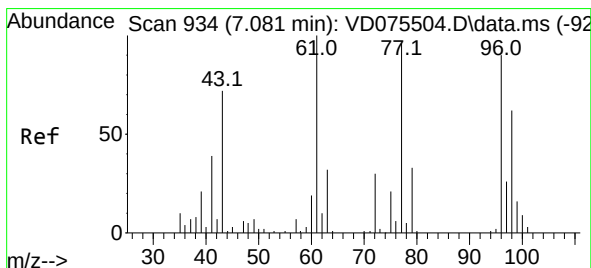
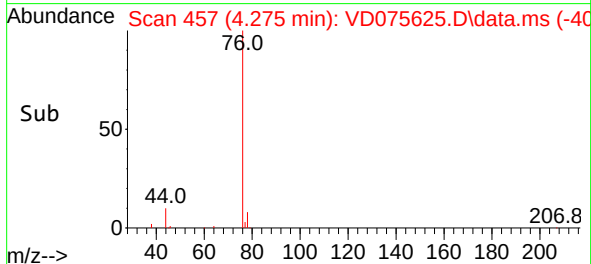
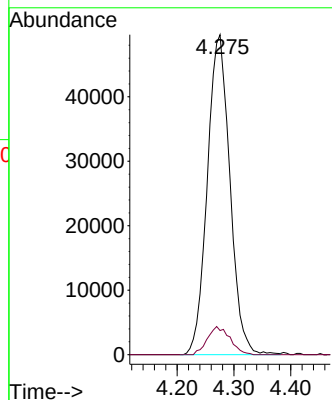
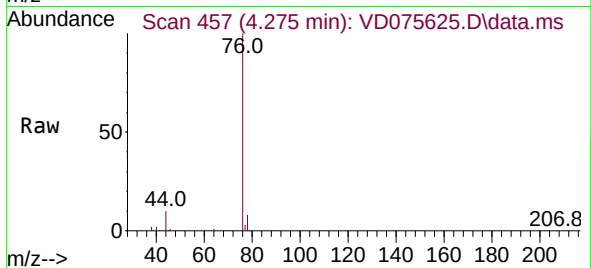




#17  
Carbon Disulfide  
Concen: 48.620 ug/l  
RT: 4.275 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VD075625.D  
Acq: 11 Apr 2023 17:38

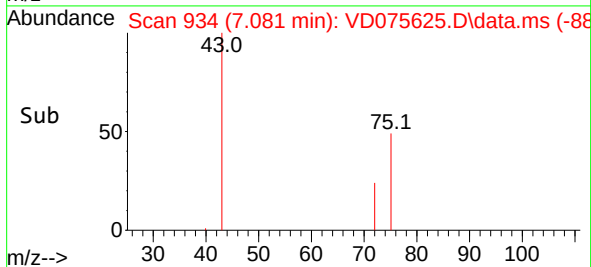
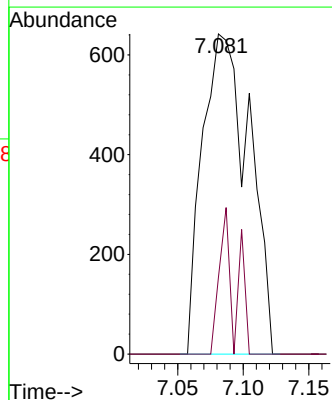
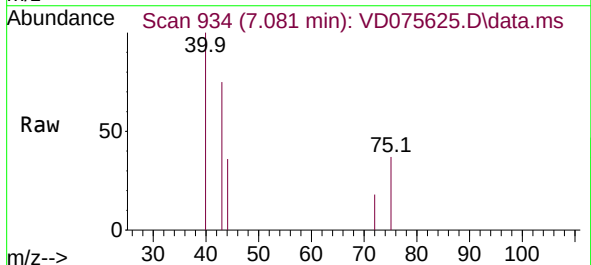
Instrument :  
MSVOA\_D  
ClientSampleId :  
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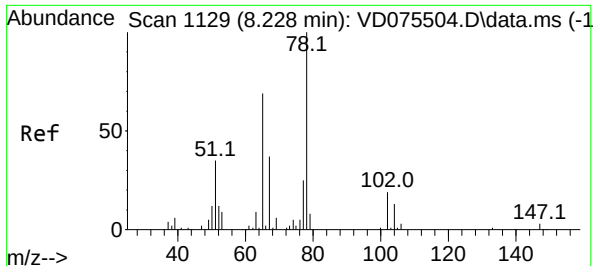
Tgt Ion: 76 Resp: 137044  
Ion Ratio Lower Upper  
76 100  
78 7.5 8.0 12.0#



#25  
2-Butanone  
Concen: 7.003 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: VD075625.D  
Acq: 11 Apr 2023 17:38

Tgt Ion: 43 Resp: 1596  
Ion Ratio Lower Upper  
43 100  
72 24.0 19.8 29.8





#33

1,2-Dichloroethane-d4

Concen: 85.571 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD075625.D

Acq: 11 Apr 2023 17:38

Instrument :

MSVOA\_D

ClientSampleId :

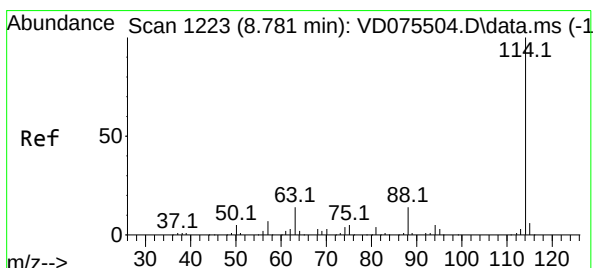
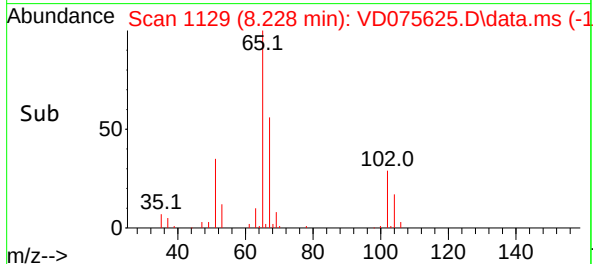
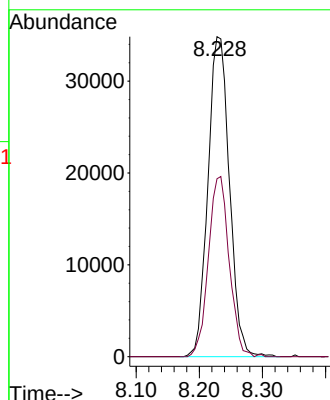
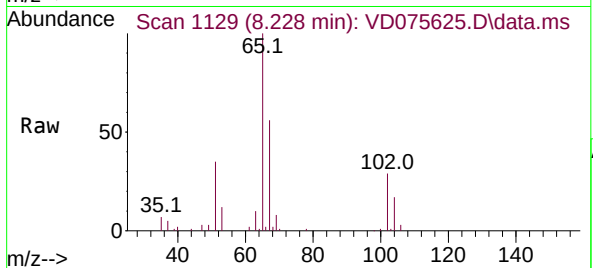
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Tgt Ion: 65 Resp: 82472

Ion Ratio Lower Upper

65 100

67 54.5 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD075625.D

Acq: 11 Apr 2023 17:38

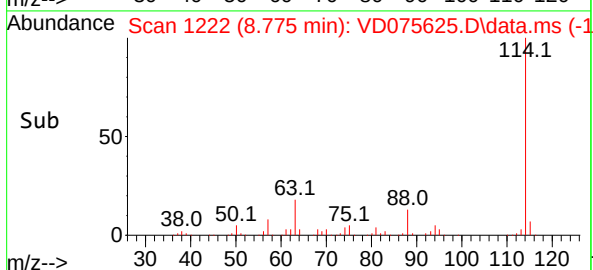
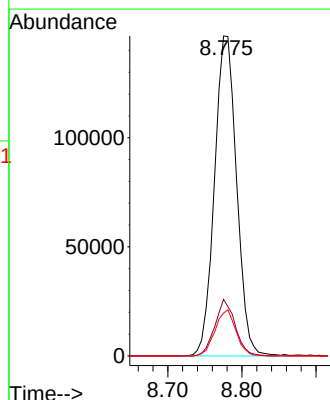
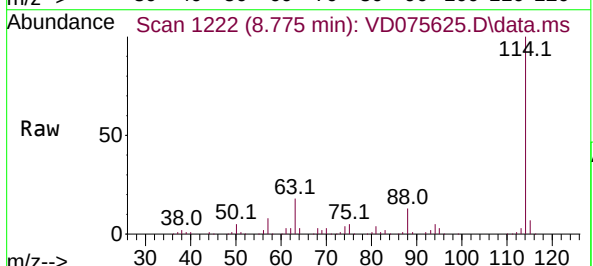
Tgt Ion: 114 Resp: 304446

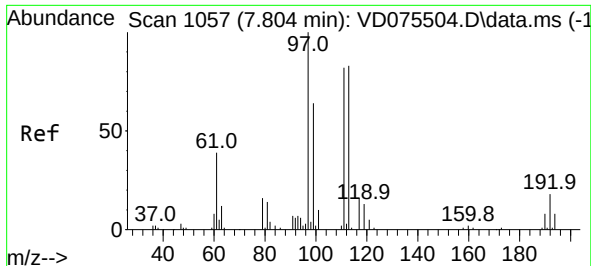
Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.6

88 13.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 64.501 ug/l

RT: 7.810 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD075625.D

Acq: 11 Apr 2023 17:38

Instrument :

MSVOA\_D

ClientSampleId :

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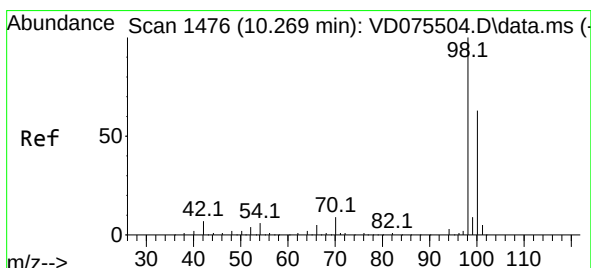
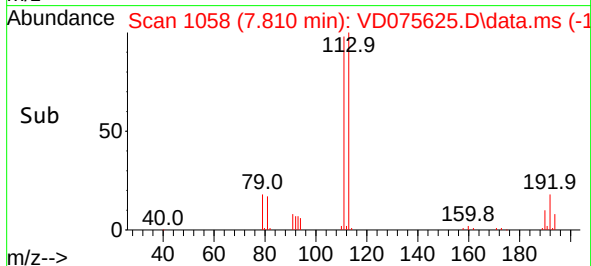
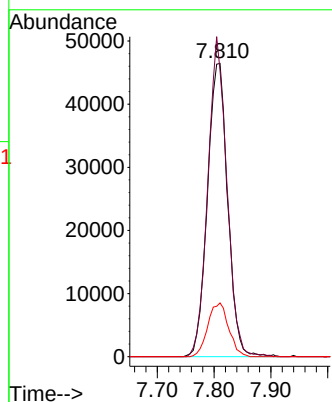
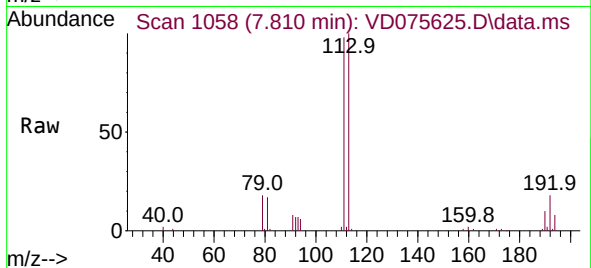
Tgt Ion:113 Resp: 115084

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 18.8 15.2 22.8



#50

Toluene-d8

Concen: 59.018 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075625.D

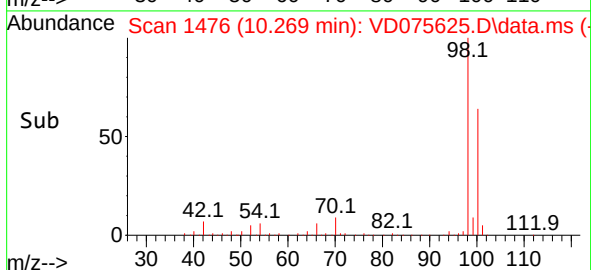
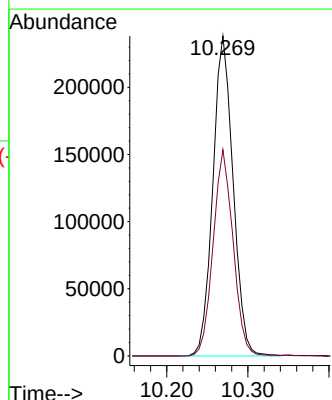
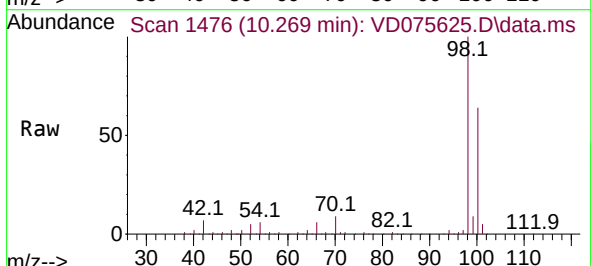
Acq: 11 Apr 2023 17:38

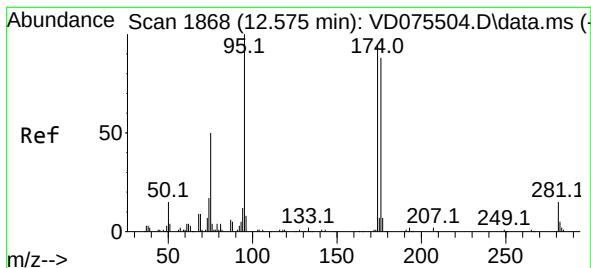
Tgt Ion: 98 Resp: 413030

Ion Ratio Lower Upper

98 100

100 63.5 52.1 78.1

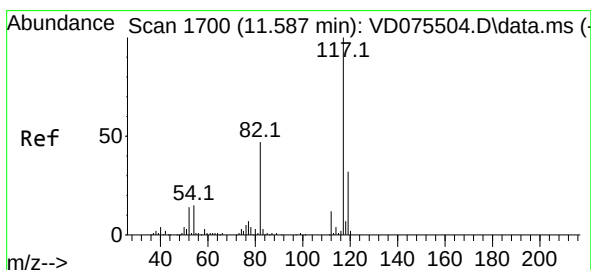
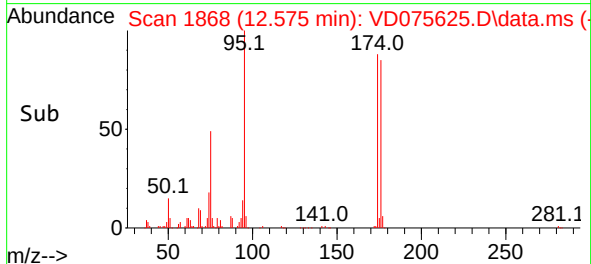
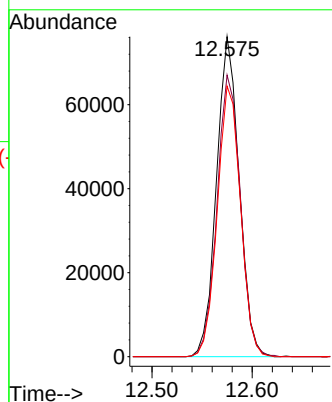
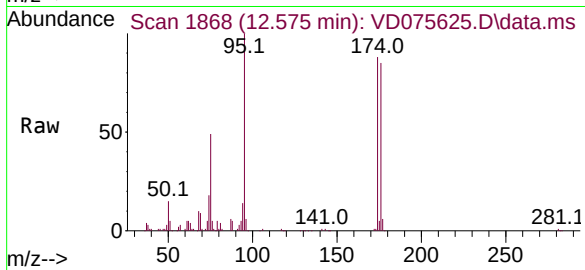




#62  
4-Bromofluorobenzene  
Concen: 55.290 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075625.D  
Acq: 11 Apr 2023 17:38

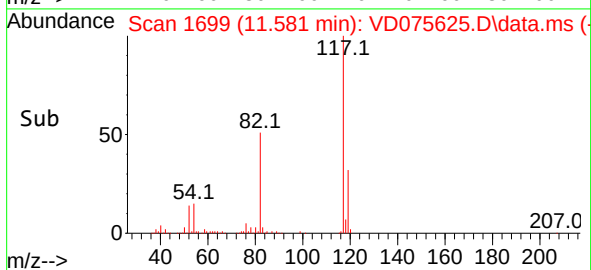
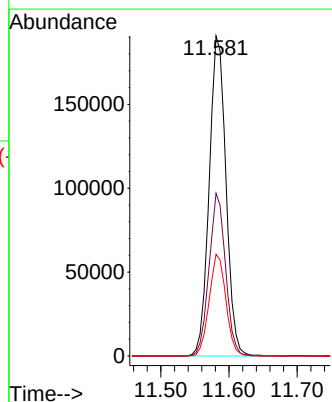
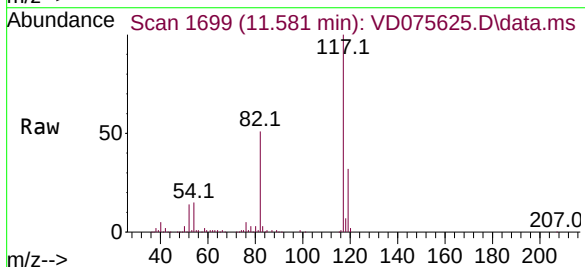
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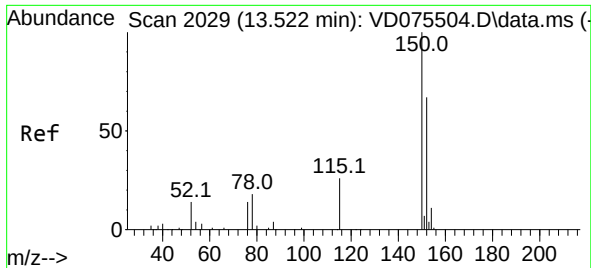
Tgt Ion: 95 Resp: 119781  
Ion Ratio Lower Upper  
95 100  
174 90.2 0.0 164.0  
176 86.5 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: VD075625.D  
Acq: 11 Apr 2023 17:38

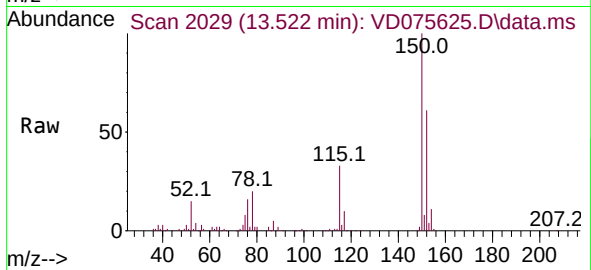
Tgt Ion: 117 Resp: 326392  
Ion Ratio Lower Upper  
117 100  
82 50.8 44.0 66.0  
119 31.8 25.1 37.7





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.522 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VD075625.D  
 Acq: 11 Apr 2023 17:38

Instrument :  
 MSVOA\_D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 128881 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 55.5  | 30.1  | 90.3   |
| 150      | 157.6 | 0.0   | 364.8  |

