

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082823\  
 Data File : VD077051.D  
 Acq On : 28 Aug 2023 19:49  
 Operator : JC/SY  
 Sample : 04196-10  
 Misc : 2.90G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-345-VOC-02

Quant Time: Aug 29 02:52:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082823S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 29 02:15:23 2023  
 Response via : Initial Calibration

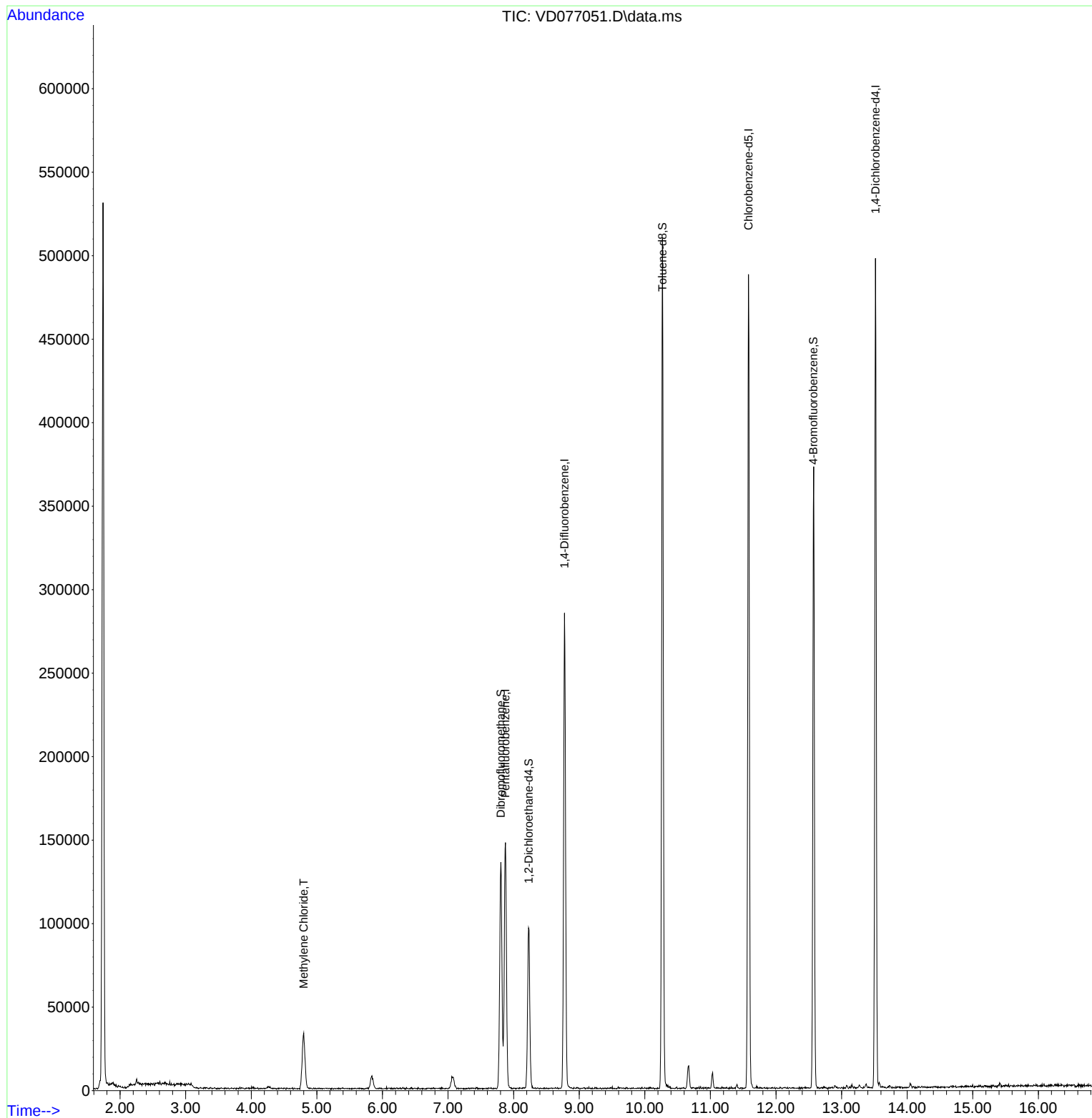
| Compound                    | R.T. QIon |                | Response | Conc   | Units    | Dev(Min)  |
|-----------------------------|-----------|----------------|----------|--------|----------|-----------|
| -----                       |           |                |          |        |          |           |
| Internal Standards          |           |                |          |        |          |           |
| 1) Pentafluorobenzene       | 7.875     | 168            | 118048   | 50.000 | ug/l     | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.775     | 114            | 270032   | 50.000 | ug/l     | 0.00      |
| 63) Chlorobenzene-d5        | 11.581    | 117            | 299283   | 50.000 | ug/l     | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.516    | 152            | 137148   | 50.000 | ug/l     | 0.00      |
| System Monitoring Compounds |           |                |          |        |          |           |
| 33) 1,2-Dichloroethane-d4   | 8.228     | 65             | 76457    | 65.783 | ug/l     | 0.00      |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | =      | 131.560% |           |
| 35) Dibromofluoromethane    | 7.805     | 113            | 97043    | 53.794 | ug/l     | 0.00      |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | =      | 107.580% |           |
| 50) Toluene-d8              | 10.269    | 98             | 349857   | 53.607 | ug/l     | 0.00      |
| Spiked Amount               | 50.000    | Range 58 - 134 | Recovery | =      | 107.220% |           |
| 62) 4-Bromofluorobenzene    | 12.569    | 95             | 108612   | 56.446 | ug/l     | 0.00      |
| Spiked Amount               | 50.000    | Range 30 - 143 | Recovery | =      | 112.900% |           |
| Target Compounds            |           |                |          |        |          |           |
| 20) Methylene Chloride      | 4.799     | 84             | 27280    | 13.575 | ug/l     | Qvalue 94 |
| -----                       |           |                |          |        |          |           |

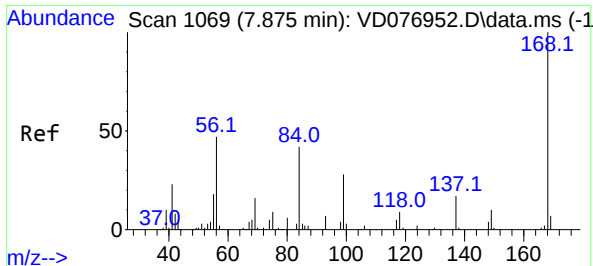
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Aug 29 02:15:23 2023  
Response via : Initial Calibration

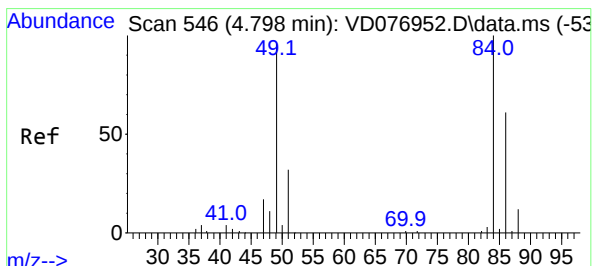
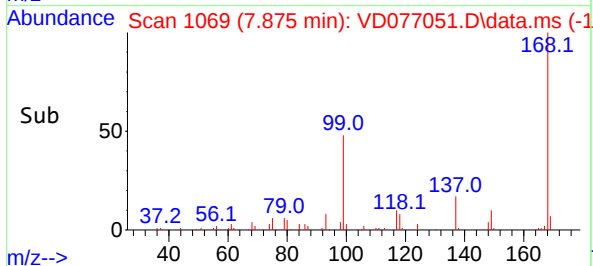
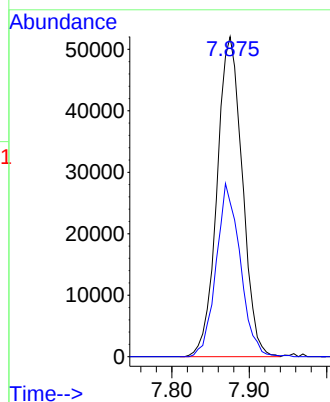
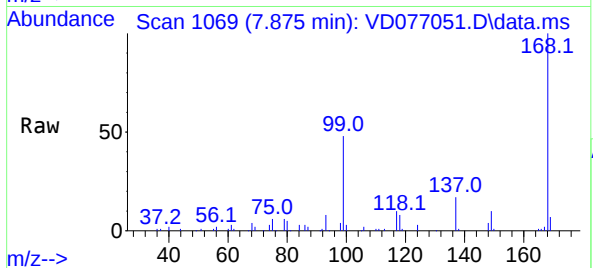




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077051.D  
Acq: 28 Aug 2023 19:49

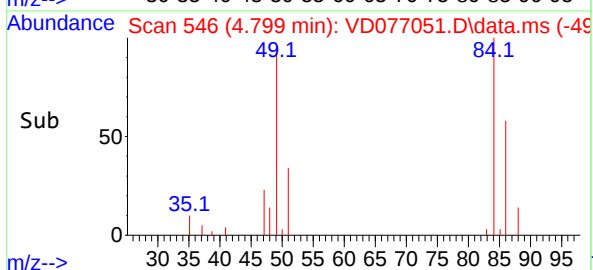
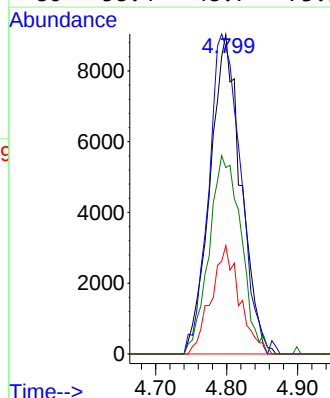
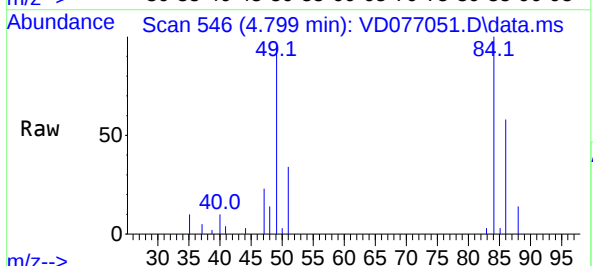
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-345-VOC-02

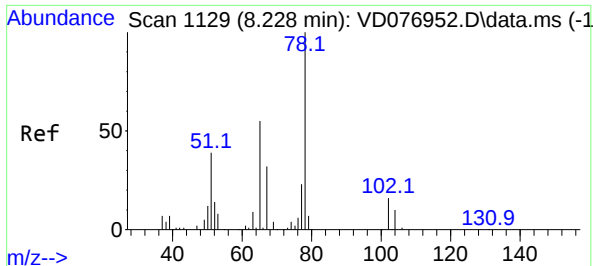
Tgt Ion:168 Resp: 118048  
Ion Ratio Lower Upper  
168 100  
99 48.2 36.7 55.1



#20  
Methylene Chloride  
Concen: 13.575 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. 0.001 min  
Lab File: VD077051.D  
Acq: 28 Aug 2023 19:49

Tgt Ion: 84 Resp: 27280  
Ion Ratio Lower Upper  
84 100  
49 96.2 71.4 107.2  
51 33.9 24.5 36.7  
86 58.4 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 65.783 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077051.D

Acq: 28 Aug 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :

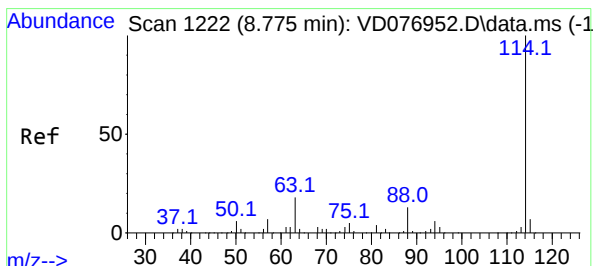
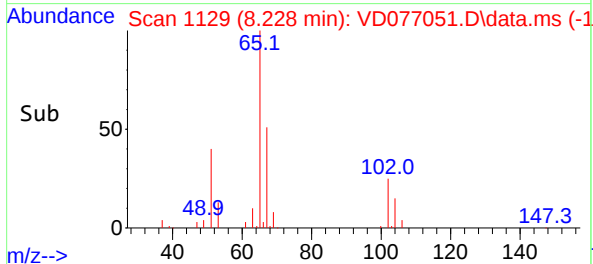
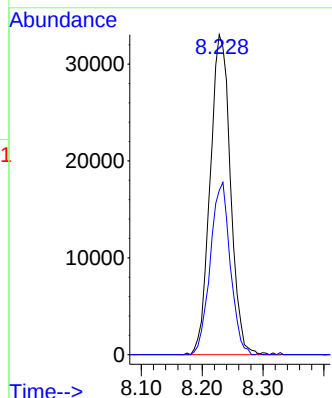
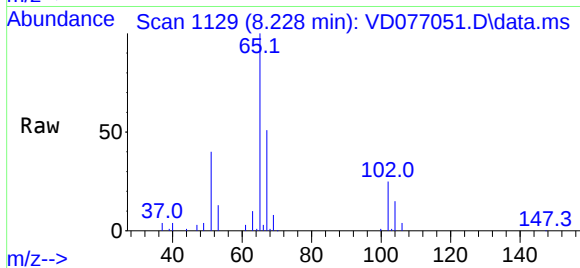
OR-345-VOC-02

Tgt Ion: 65 Resp: 76457

Ion Ratio Lower Upper

65 100

67 52.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077051.D

Acq: 28 Aug 2023 19:49

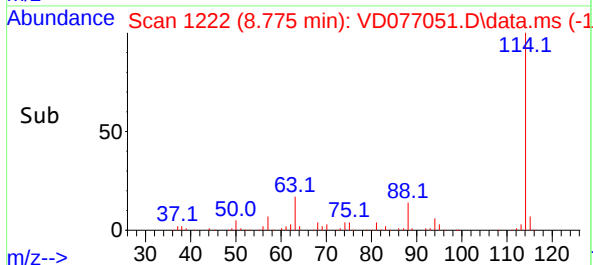
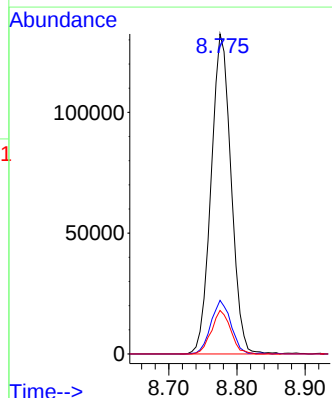
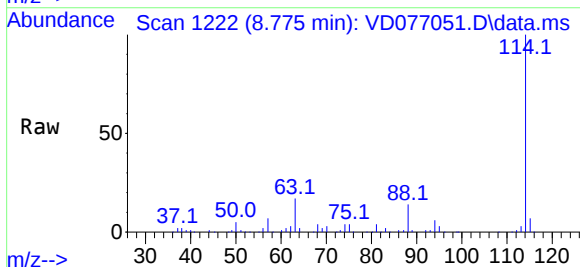
Tgt Ion: 114 Resp: 270032

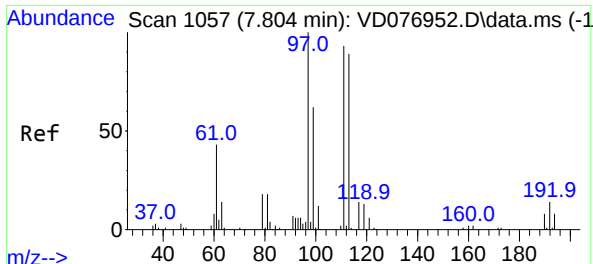
Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.4

88 13.6 0.0 26.2

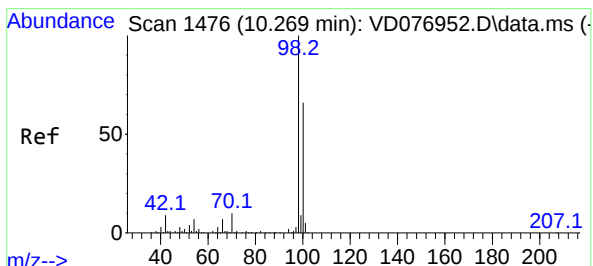
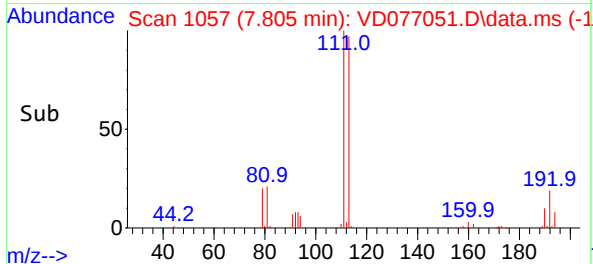
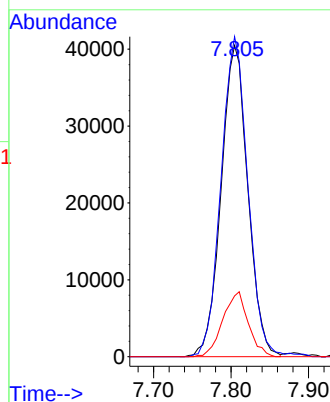
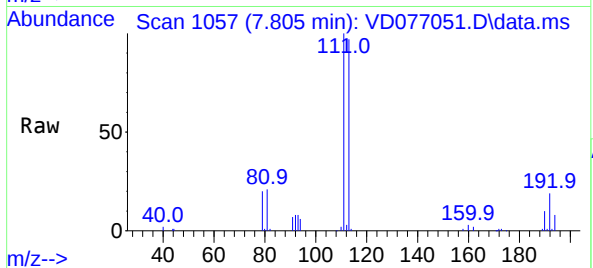




#35  
Dibromofluoromethane  
Concen: 53.794 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. 0.001 min  
Lab File: VD077051.D  
Acq: 28 Aug 2023 19:49

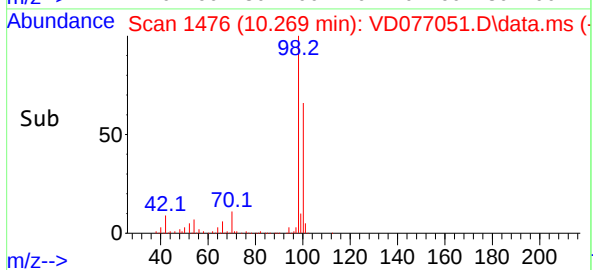
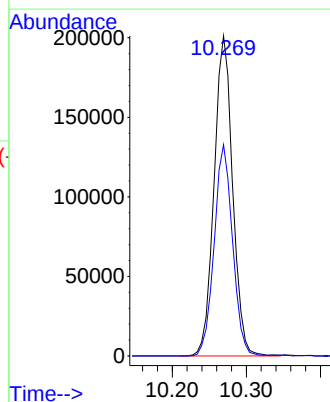
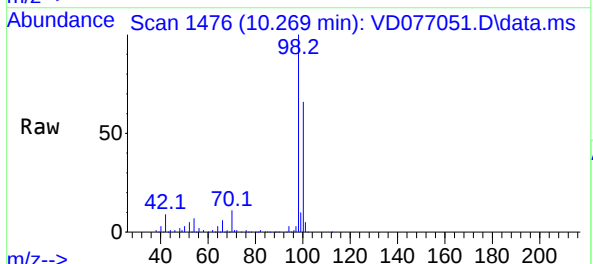
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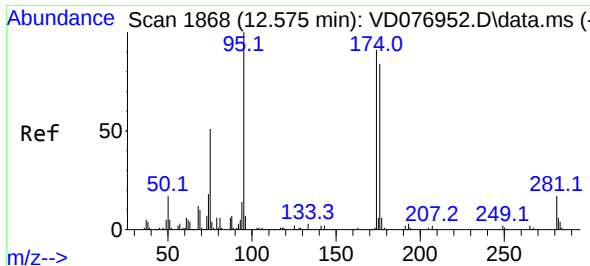
Tgt Ion:113 Resp: 97043  
Ion Ratio Lower Upper  
113 100  
111 103.5 84.7 127.1  
192 19.9 16.8 25.2



#50  
Toluene-d8  
Concen: 53.607 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077051.D  
Acq: 28 Aug 2023 19:49

Tgt Ion: 98 Resp: 349857  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.3 75.5

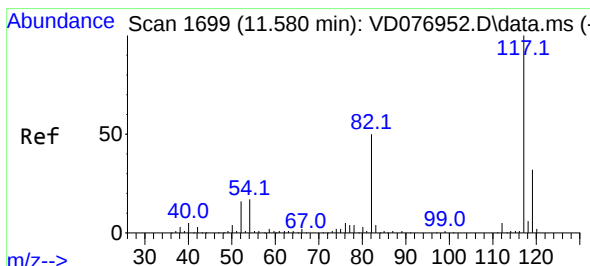
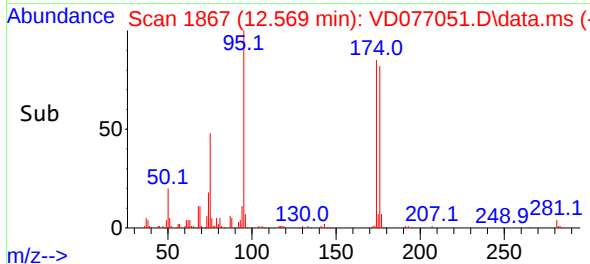
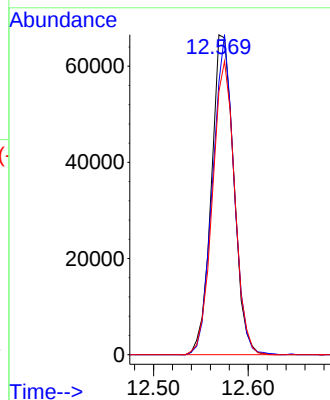
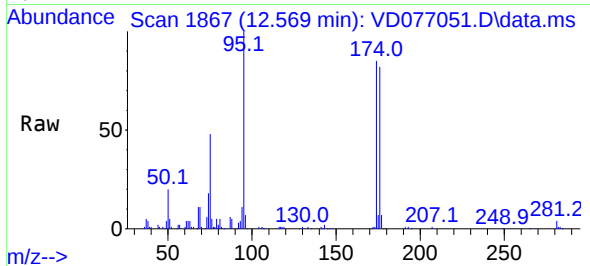




#62  
4-Bromofluorobenzene  
Concen: 56.446 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD077051.D  
Acq: 28 Aug 2023 19:49

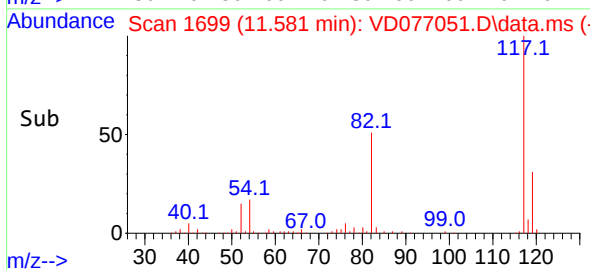
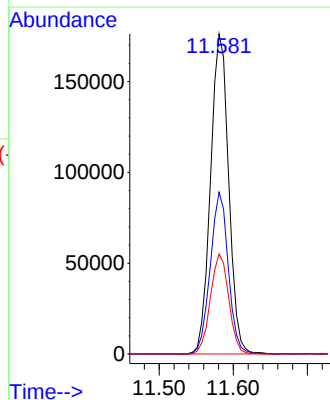
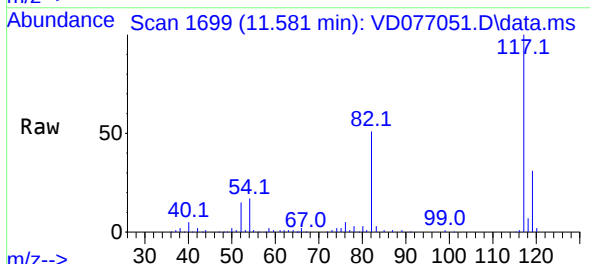
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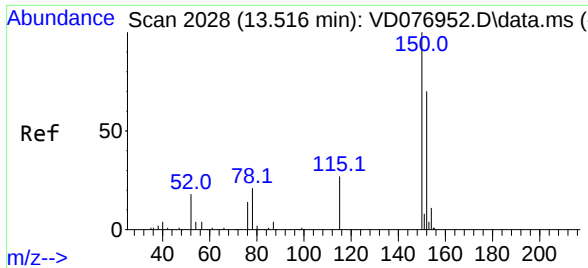
Tgt Ion: 95 Resp: 108612  
Ion Ratio Lower Upper  
95 100  
174 95.3 0.0 201.8  
176 91.4 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.001 min  
Lab File: VD077051.D  
Acq: 28 Aug 2023 19:49

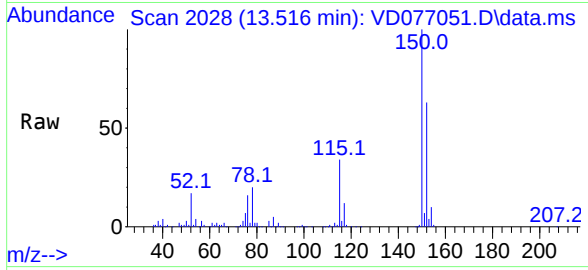
Tgt Ion: 117 Resp: 299283  
Ion Ratio Lower Upper  
117 100  
82 50.6 38.3 57.5  
119 31.3 25.0 37.4





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VD077051.D  
Acq: 28 Aug 2023 19:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-345-VOC-02



Tgt Ion:152 Resp: 137148  
Ion Ratio Lower Upper  
152 100  
115 55.8 27.1 81.3  
150 158.8 0.0 353.6

