

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061323\  
 Data File : VD076408.D  
 Acq On : 13 Jun 2023 16:48  
 Operator : KP/SY  
 Sample : 03155-03  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-1-VOC

Quant Time: Jun 14 05:48:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061223S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 13 02:01:34 2023  
 Response via : Initial Calibration

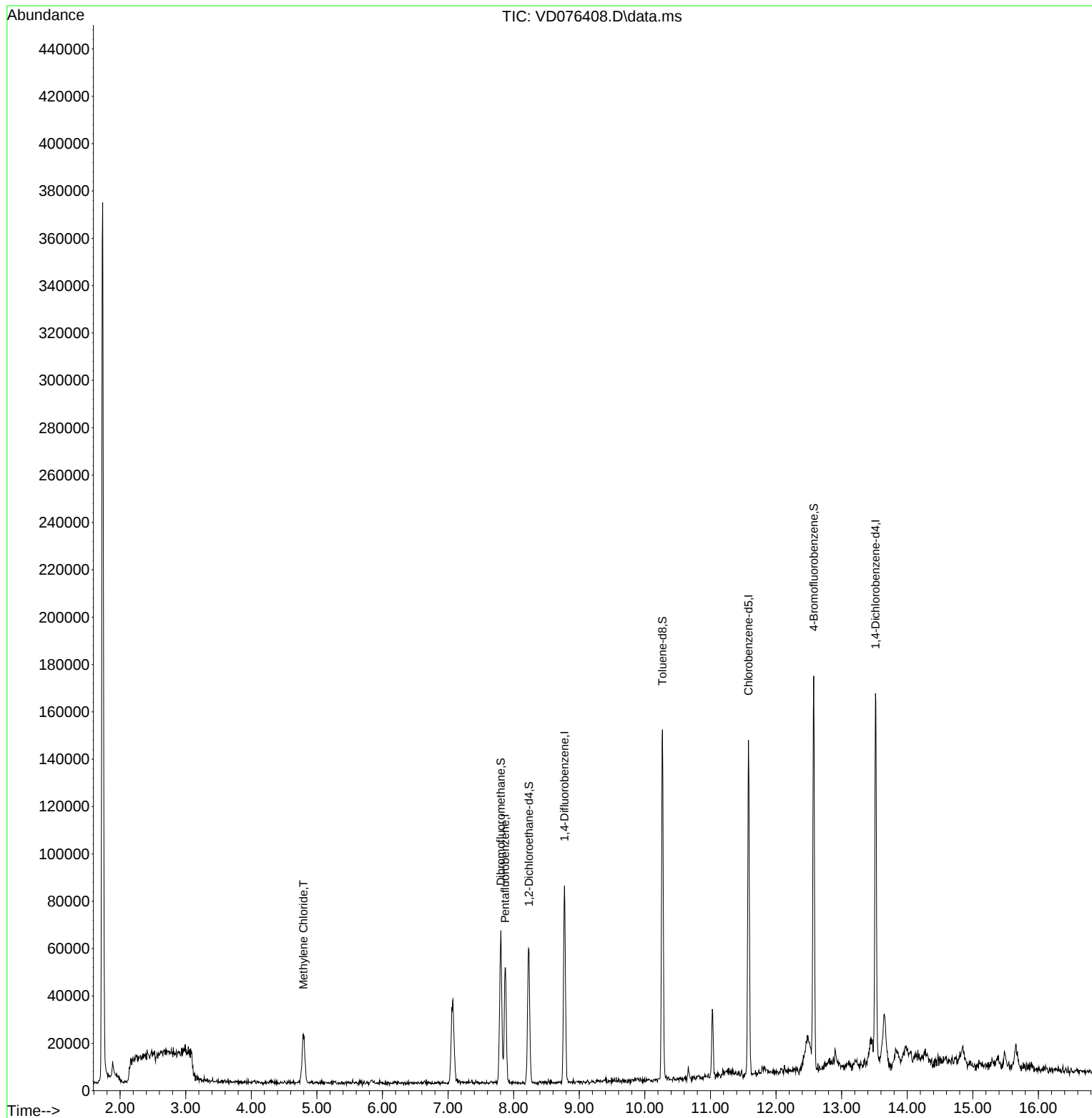
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.869  | 168   | 38388    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 69996    | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 79652    | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 40396    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 45229    | 102.006  | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 204.020%# |          |
| 35) Dibromofluoromethane    | 7.804  | 113   | 44301    | 97.926   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 195.860%# |          |
| 50) Toluene-d8              | 10.269 | 98    | 99876    | 58.258   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 116.520%  |          |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 50919    | 86.577   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 173.160%# |          |
| Target Compounds            |        |       |          |          |             |          |
|                             |        |       |          |          | Qvalue      |          |
| 20) Methylene Chloride      | 4.793  | 84    | 14905    | 26.064   | ug/l #      | 81       |
| -----                       |        |       |          |          |             |          |

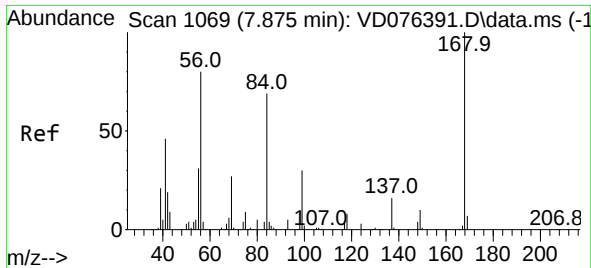
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061223S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 13 02:01:34 2023  
Response via : Initial Calibration

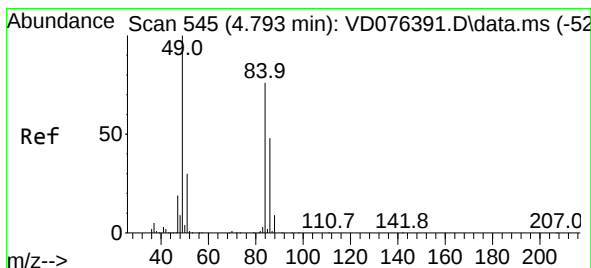
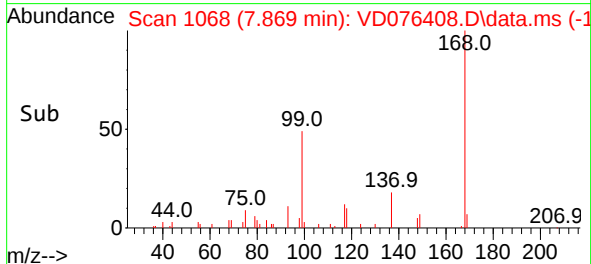
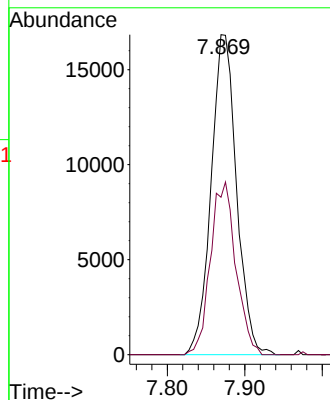
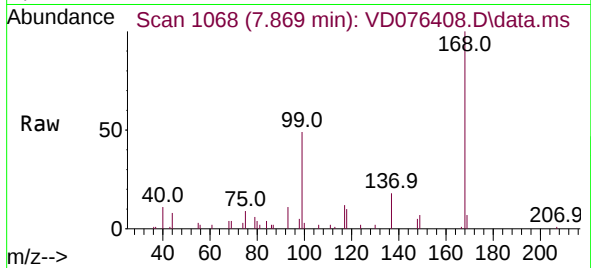




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VD076408.D  
Acq: 13 Jun 2023 16:48

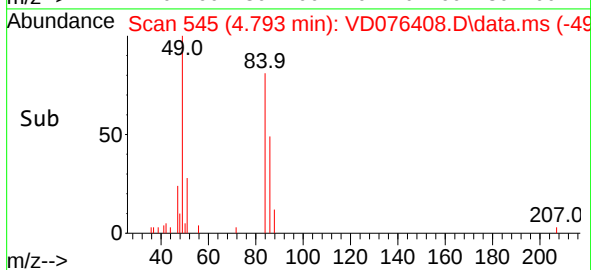
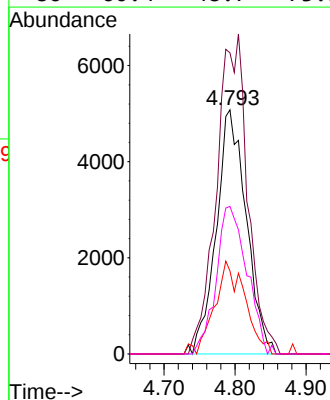
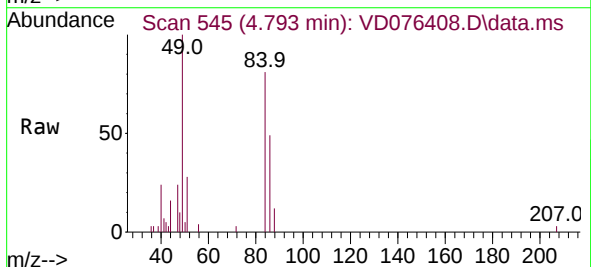
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1-VOC

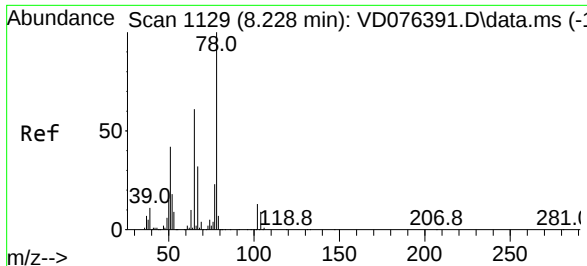
Tgt Ion:168 Resp: 38388  
Ion Ratio Lower Upper  
168 100  
99 49.2 36.7 55.1



#20  
Methylene Chloride  
Concen: 26.064 ug/l  
RT: 4.793 min Scan# 545  
Delta R.T. -0.000 min  
Lab File: VD076408.D  
Acq: 13 Jun 2023 16:48

Tgt Ion: 84 Resp: 14905  
Ion Ratio Lower Upper  
84 100  
49 123.4 71.4 107.2#  
51 34.0 24.5 36.7  
86 60.4 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 102.006 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD076408.D

Acq: 13 Jun 2023 16:48

Instrument :

MSVOA\_D

ClientSampleId :

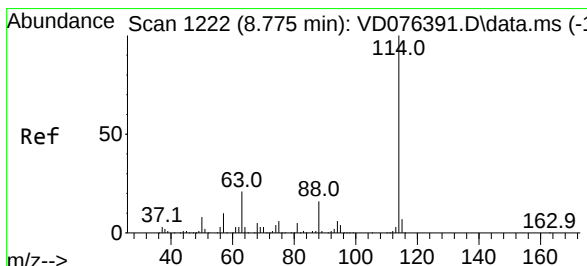
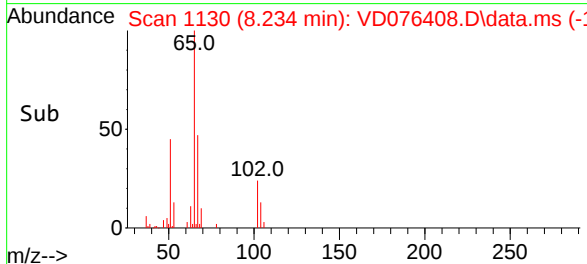
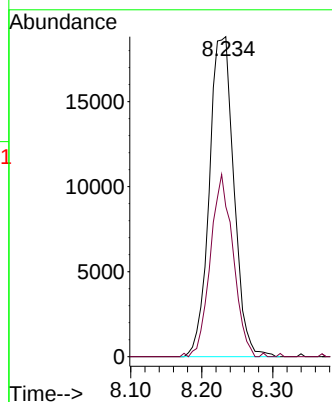
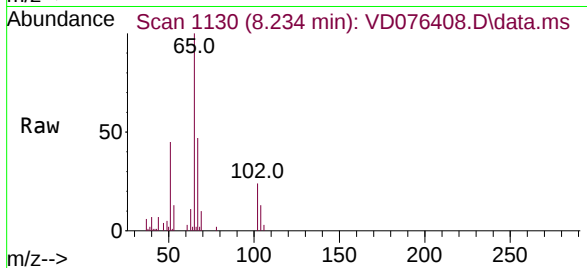
WC-1-VOC

Tgt Ion: 65 Resp: 45229

Ion Ratio Lower Upper

65 100

67 52.7 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: VD076408.D

Acq: 13 Jun 2023 16:48

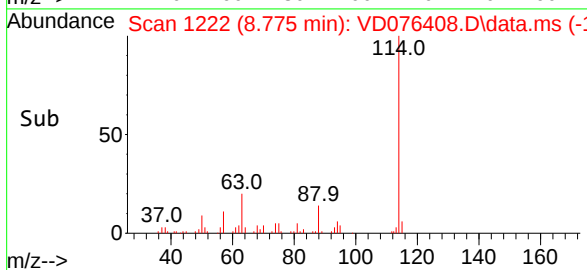
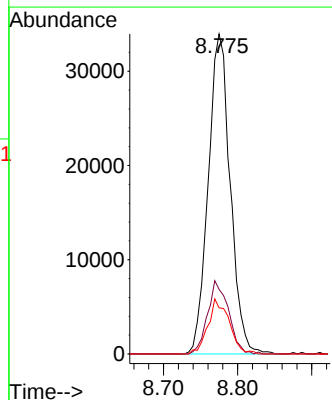
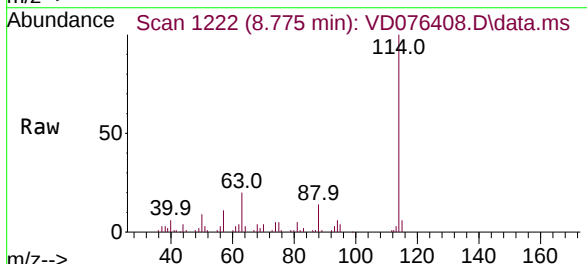
Tgt Ion: 114 Resp: 69996

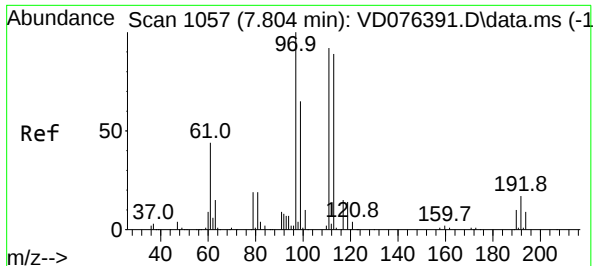
Ion Ratio Lower Upper

114 100

63 20.2 0.0 33.4

88 14.4 0.0 26.2

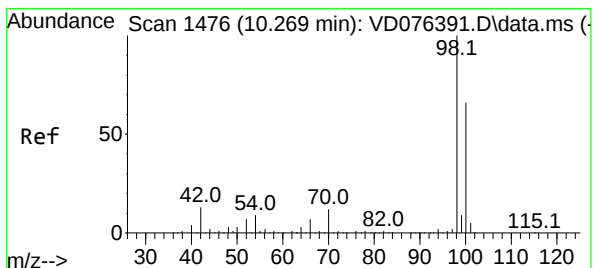
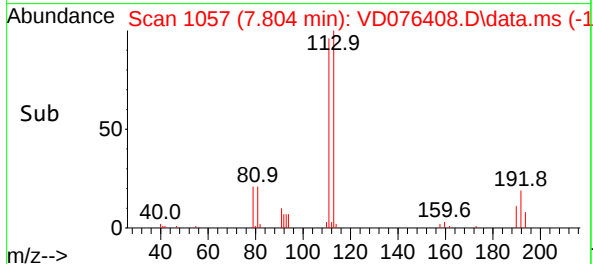
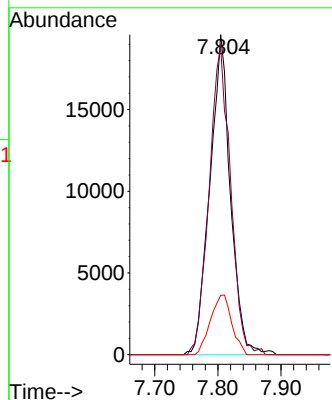
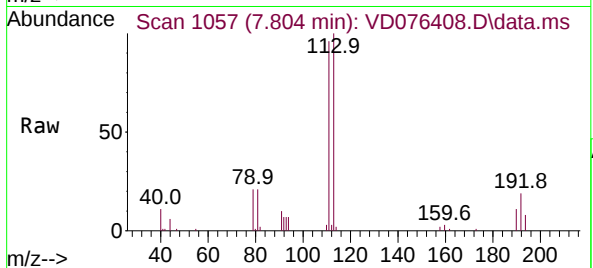




#35  
Dibromofluoromethane  
Concen: 97.926 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD076408.D  
Acq: 13 Jun 2023 16:48

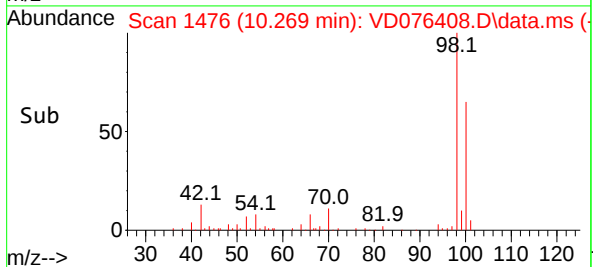
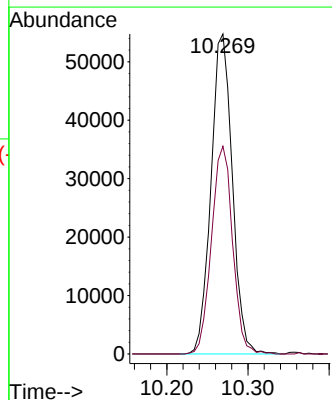
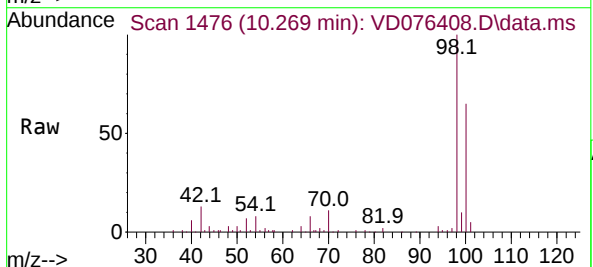
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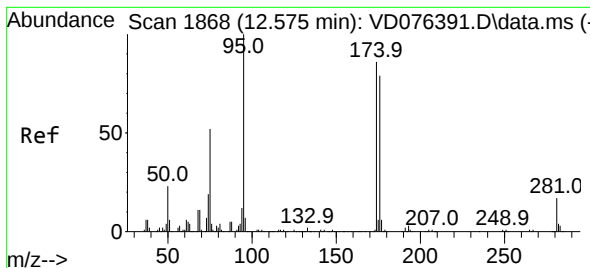
Tgt Ion:113 Resp: 44301  
Ion Ratio Lower Upper  
113 100  
111 100.6 84.7 127.1  
192 19.3 16.8 25.2



#50  
Toluene-d8  
Concen: 58.258 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076408.D  
Acq: 13 Jun 2023 16:48

Tgt Ion: 98 Resp: 99876  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.3 75.5

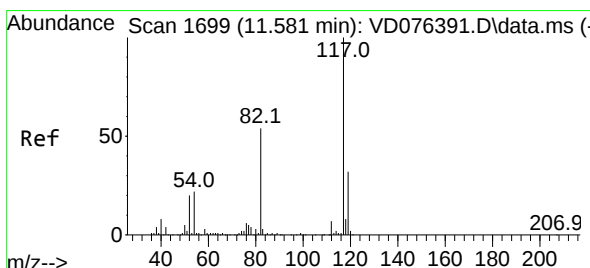
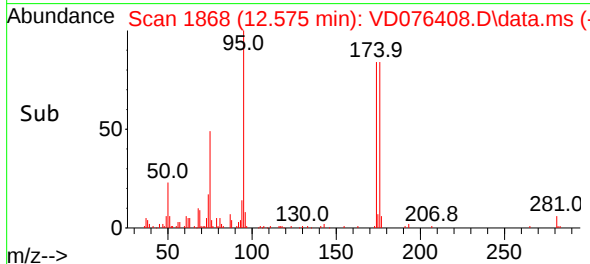
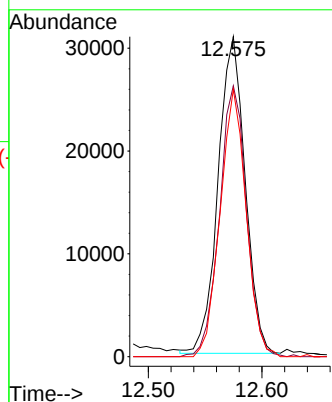
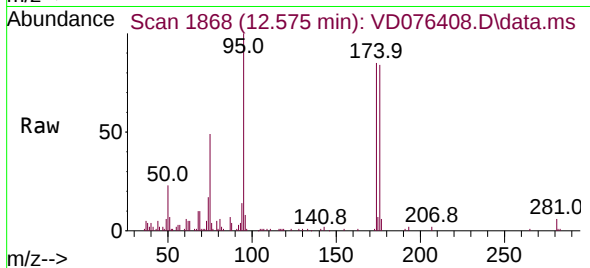




#62  
4-Bromofluorobenzene  
Concen: 86.577 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD076408.D  
Acq: 13 Jun 2023 16:48

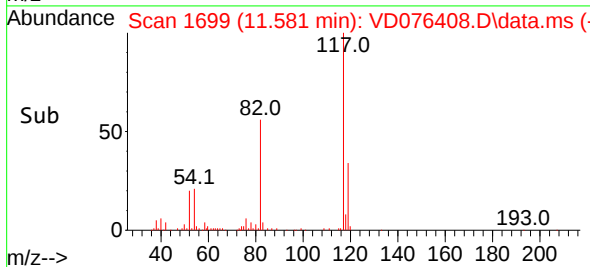
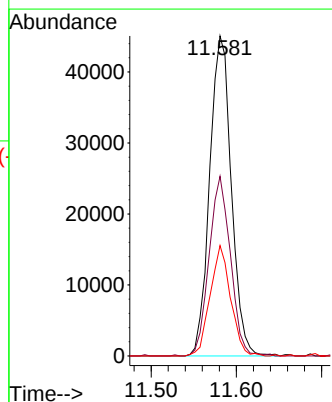
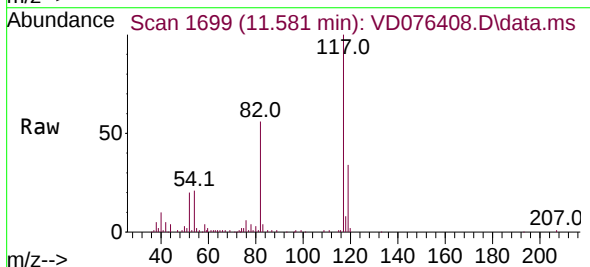
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ClientSampleId :  
WC-1-VOC

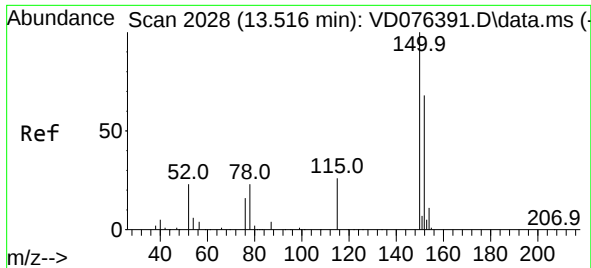
Tgt Ion: 95 Resp: 50919  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 201.8  
176 81.1 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VD076408.D  
Acq: 13 Jun 2023 16:48

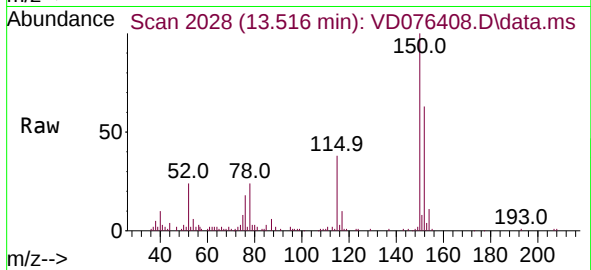
Tgt Ion: 117 Resp: 79652  
Ion Ratio Lower Upper  
117 100  
82 56.1 38.3 57.5  
119 34.5 25.0 37.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VD076408.D  
 Acq: 13 Jun 2023 16:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-1-VOC



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.0  | 27.1  | 81.3  |
| 150     | 155.4 | 0.0   | 353.6 |

