

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021423\  
 Data File : VD075342.D  
 Acq On : 14 Feb 2023 14:43  
 Operator : KP/SY  
 Sample : 01537-22  
 Misc : 6.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TOT-VOC-GRAB-24

Quant Time: Feb 15 03:34:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 04:26:58 2023  
 Response via : Initial Calibration

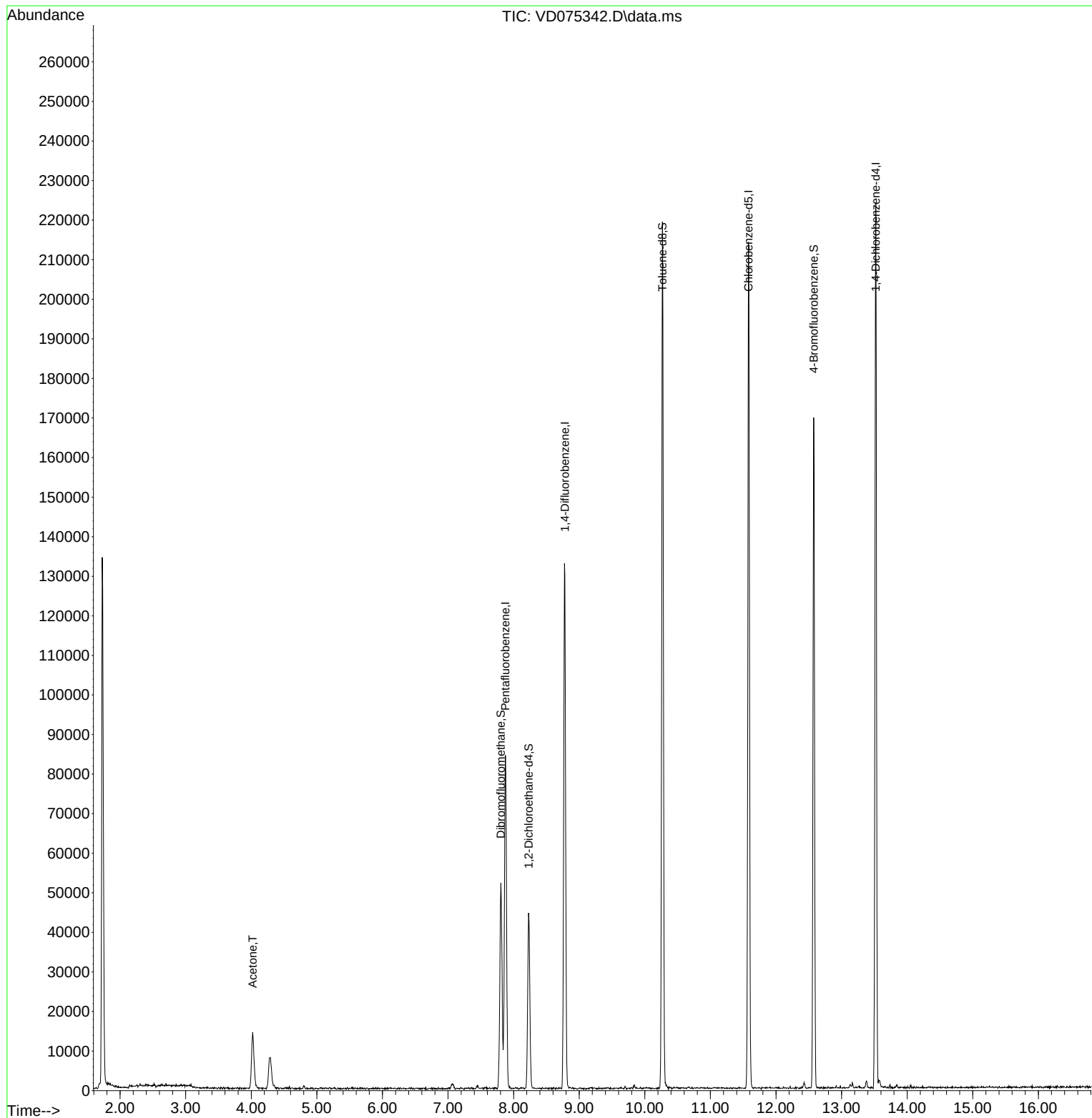
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.875  | 168   | 62569    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.781  | 114   | 111638   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 116591   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.522 | 152   | 56318    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 35032    | 47.749   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 95.500%   |
| 35) Dibromofluoromethane    | 7.805  | 113   | 36059    | 46.064   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 92.120%   |
| 50) Toluene-d8              | 10.269 | 98    | 143239   | 48.250   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 96.500%   |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 51053    | 52.155   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 104.300%  |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 4.023  | 43    | 24103    | 124.243  | ug/l  | Qvalue 96 |
| -----                       |        |       |          |          |       |           |

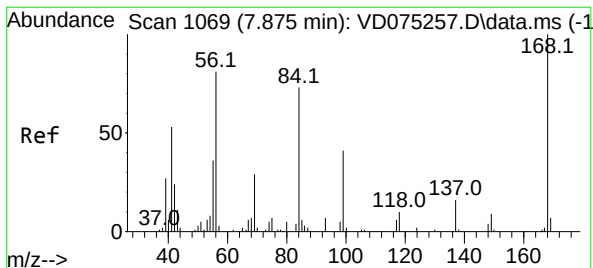
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TOT-VOC-GRAB-24

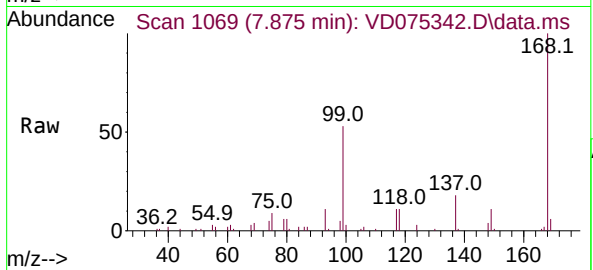
Quant Time: Feb 15 03:34:23 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 08 04:26:58 2023  
Response via : Initial Calibration



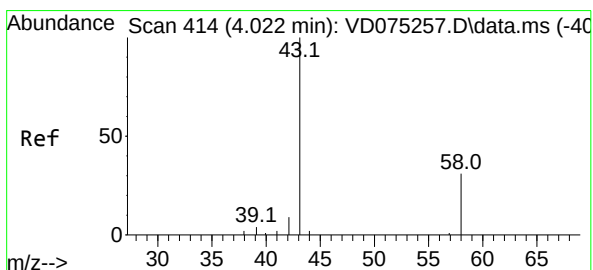
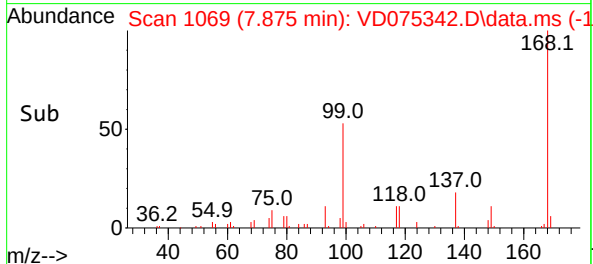
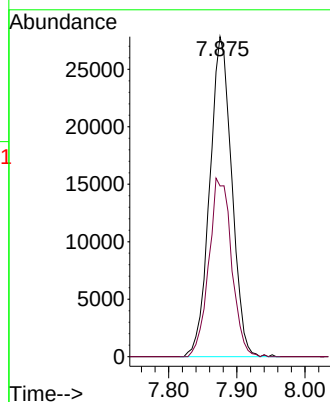


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075342.D  
Acq: 14 Feb 2023 14:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
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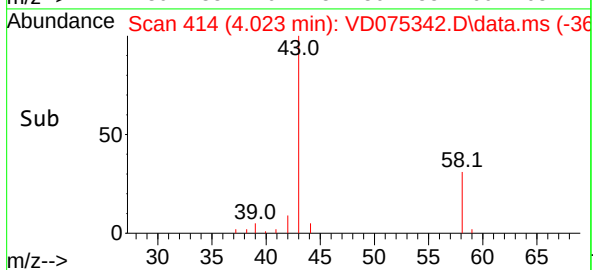
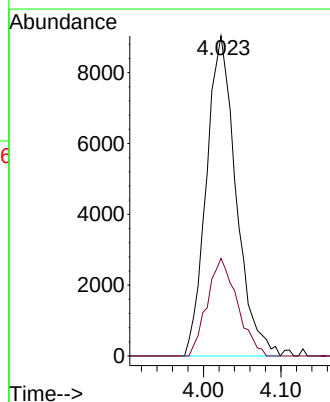
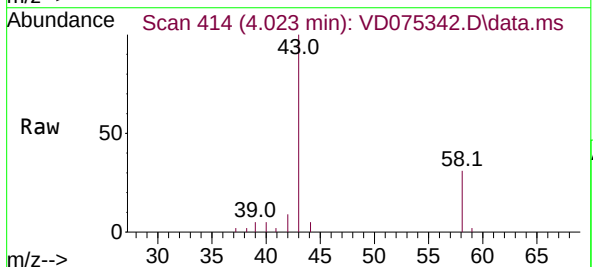


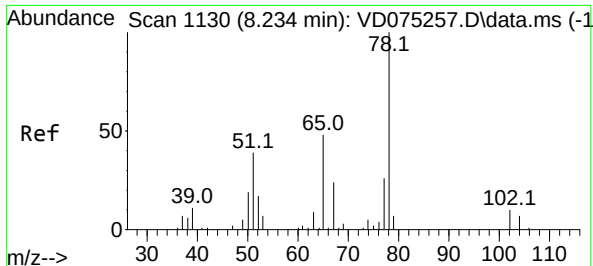
Tgt Ion:168 Resp: 62569  
Ion Ratio Lower Upper  
168 100  
99 53.4 45.2 67.8



#16  
Acetone  
Concen: 124.243 ug/l  
RT: 4.023 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD075342.D  
Acq: 14 Feb 2023 14:43

Tgt Ion: 43 Resp: 24103  
Ion Ratio Lower Upper  
43 100  
58 30.5 26.0 39.0





#33

1,2-Dichloroethane-d4

Concen: 47.749 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075342.D

Acq: 14 Feb 2023 14:43

Instrument :

MSVOA\_D

ClientSampleId :

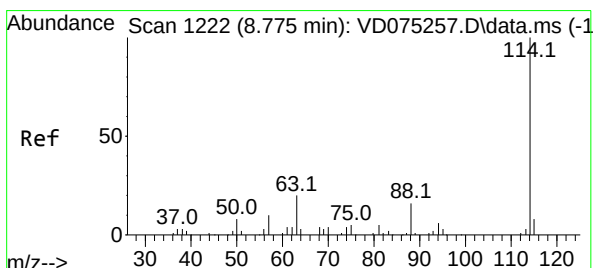
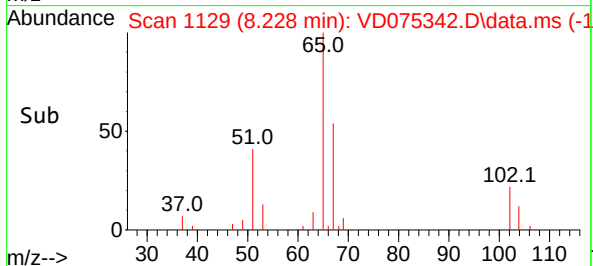
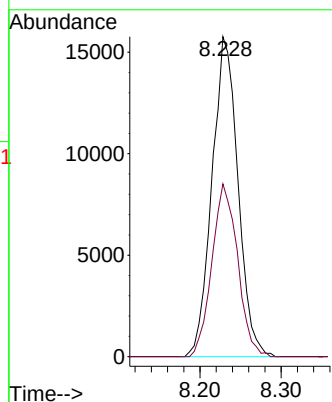
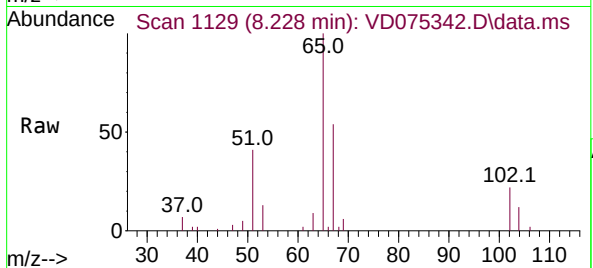
TOT-VOC-GRAB-24

Tgt Ion: 65 Resp: 35032

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075342.D

Acq: 14 Feb 2023 14:43

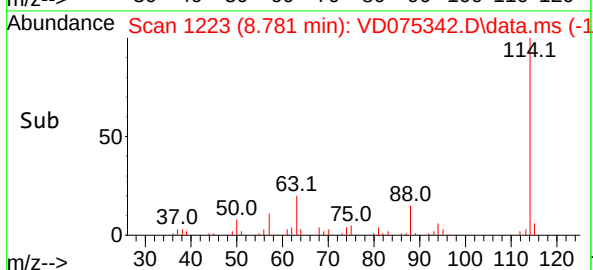
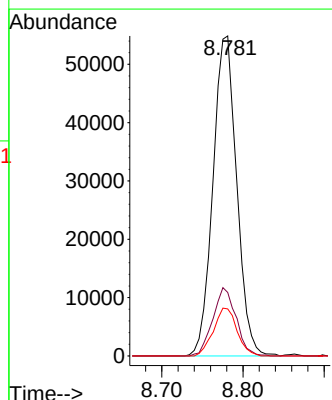
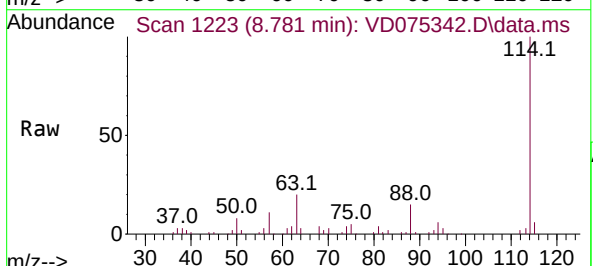
Tgt Ion: 114 Resp: 111638

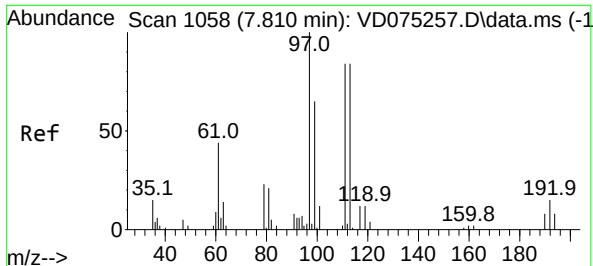
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.2

88 14.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.064 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD075342.D

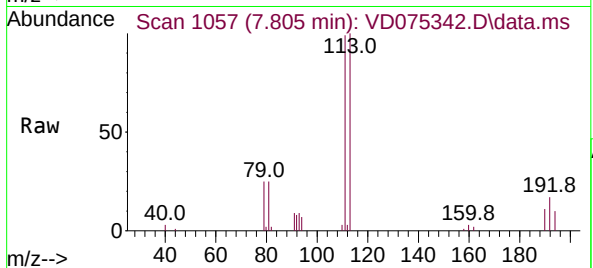
Acq: 14 Feb 2023 14:43

Instrument :

MSVOA\_D

ClientSampleId :

TOT-VOC-GRAB-24



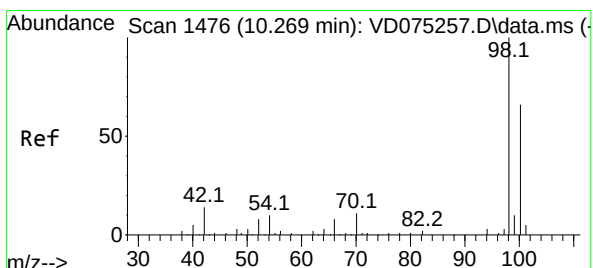
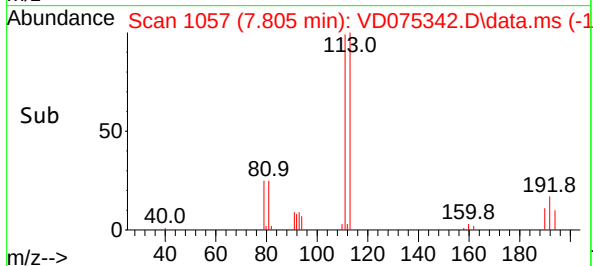
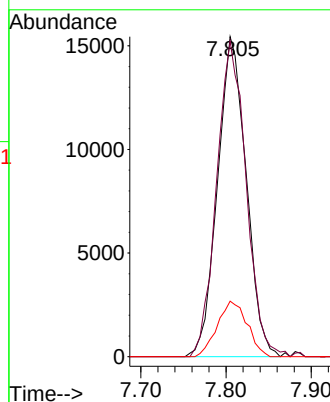
Tgt Ion:113 Resp: 36059

Ion Ratio Lower Upper

113 100

111 101.5 80.1 120.1

192 18.1 15.4 23.0



#50

Toluene-d8

Concen: 48.250 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075342.D

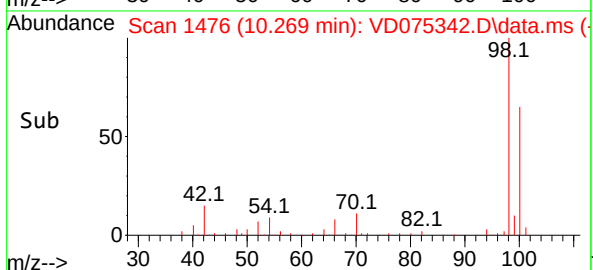
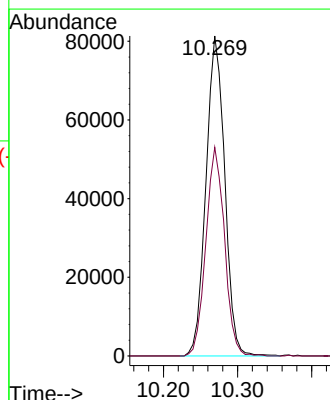
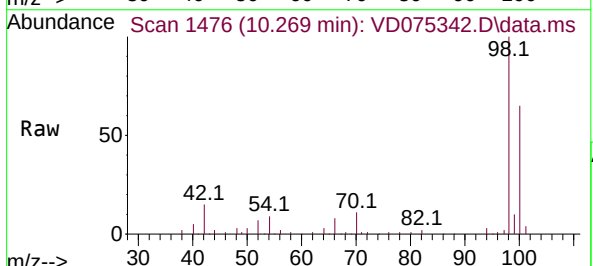
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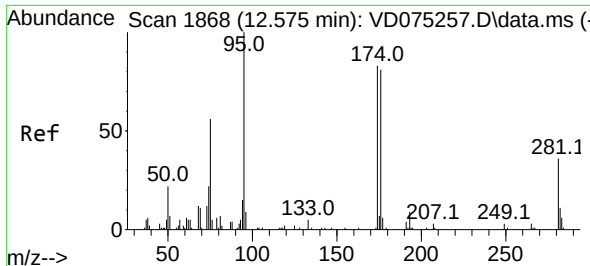
Tgt Ion: 98 Resp: 143239

Ion Ratio Lower Upper

98 100

100 64.8 52.7 79.1

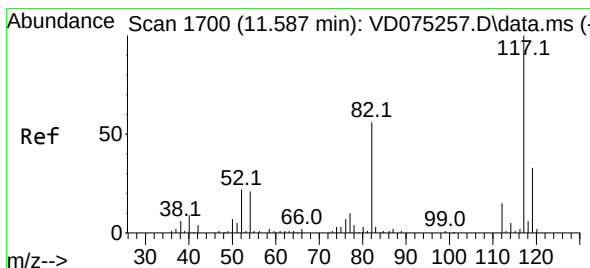
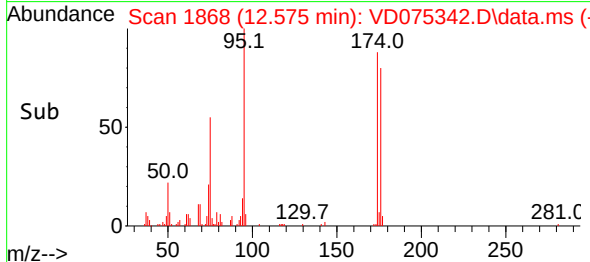
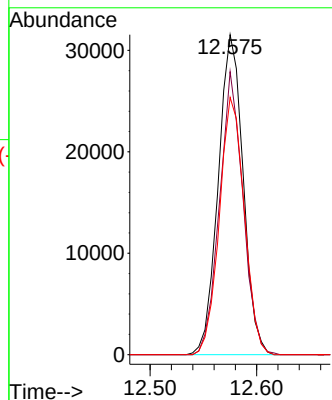
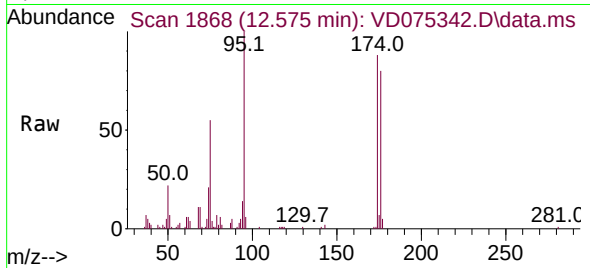




#62  
4-Bromofluorobenzene  
Concen: 52.155 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075342.D  
Acq: 14 Feb 2023 14:43

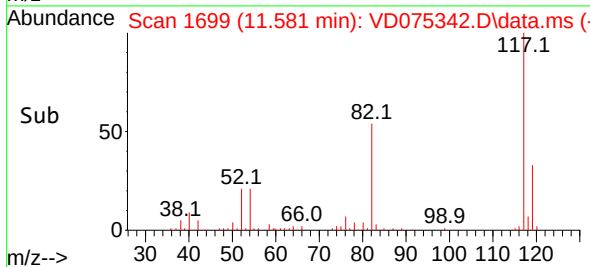
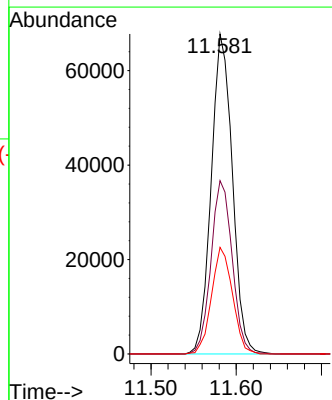
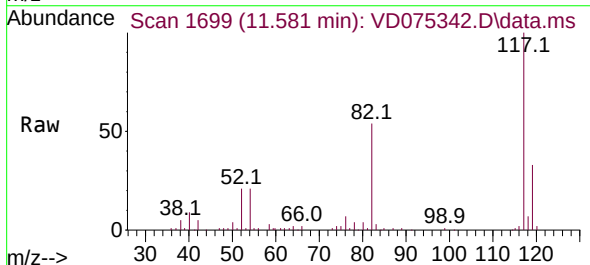
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MSVOA\_D  
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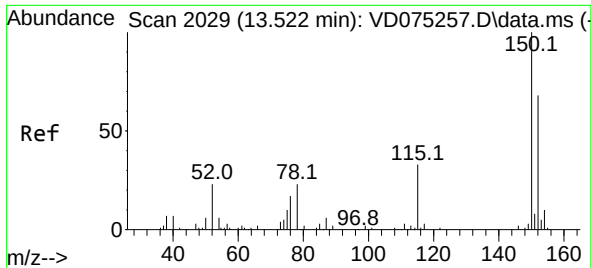
Tgt Ion: 95 Resp: 51053  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 161.2  
176 80.5 0.0 160.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: VD075342.D  
Acq: 14 Feb 2023 14:43

Tgt Ion: 117 Resp: 116591  
Ion Ratio Lower Upper  
117 100  
82 54.2 39.6 59.4  
119 33.3 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075342.D

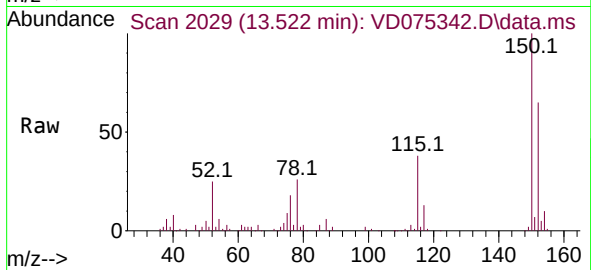
Acq: 14 Feb 2023 14:43

Instrument :

MSVOA\_D

ClientSampleId :

TOT-VOC-GRAB-24



Tgt Ion:152 Resp: 56318

Ion Ratio Lower Upper

152 100

115 59.9 28.8 86.4

150 157.1 0.0 348.6

