

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062323\  
 Data File : VD076564.D  
 Acq On : 23 Jun 2023 18:03  
 Operator : KP/SY  
 Sample : 03361-05  
 Misc : 13.81G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TOTAL-VOC-SB-28-GRAB-5

Quant Time: Jun 24 00:57:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

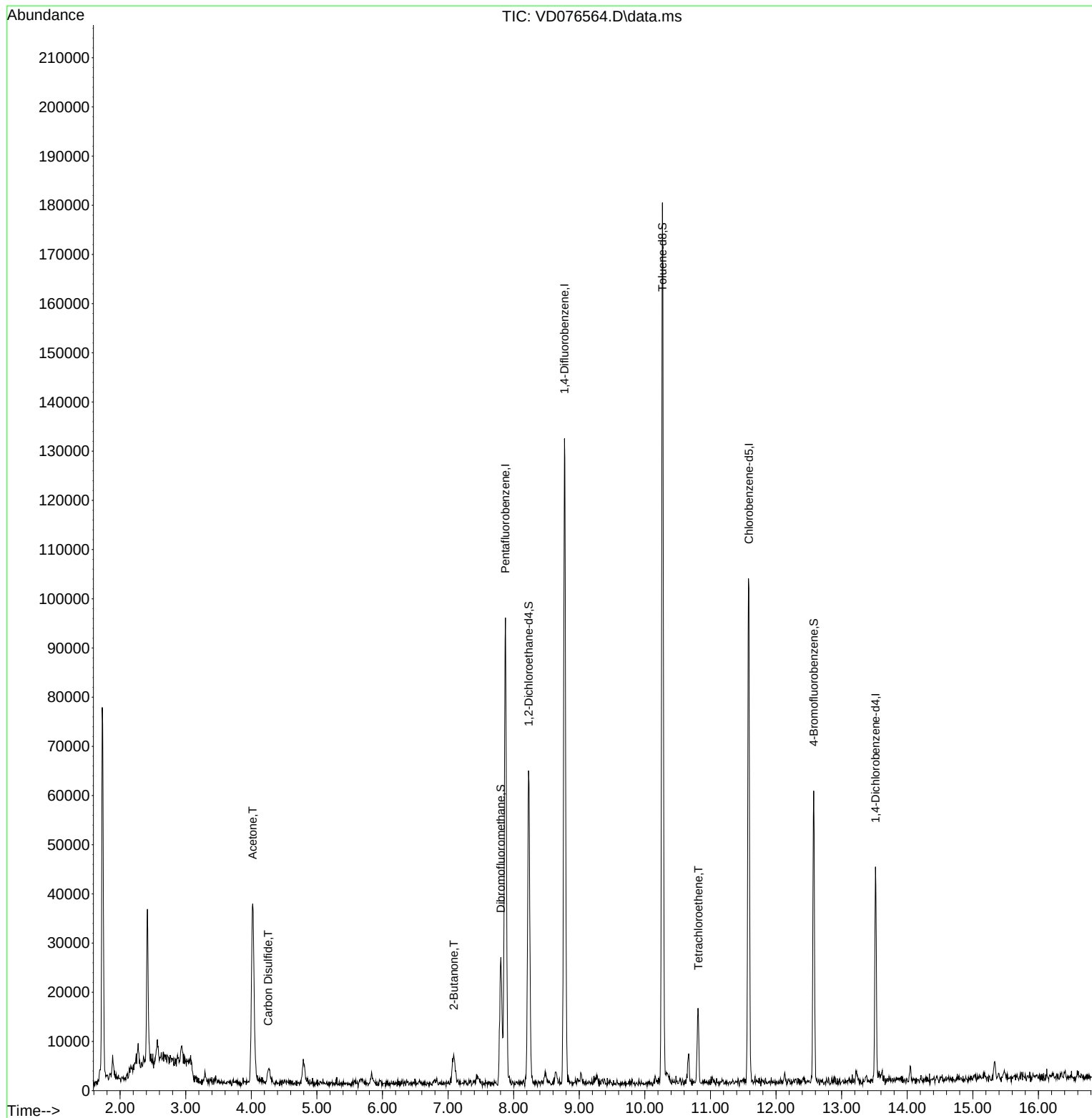
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 72714    | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 114408   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.587 | 117   | 58560    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 10880    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 48188    | 66.144   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 132.280% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 18505    | 27.227   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 54.460%  |
| 50) Toluene-d8              | 10.269 | 98    | 120942   | 46.921   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 93.840%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 18063    | 21.593   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 43.180%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.022  | 43    | 65310    | 376.725  | ug/l   | # 75     |
| 17) Carbon Disulfide        | 4.258  | 76    | 6255     | 3.441    | ug/l   | # 85     |
| 25) 2-Butanone              | 7.087  | 43    | 9505     | 35.448   | ug/l   | # 70     |
| 64) Tetrachloroethene       | 10.816 | 164   | 3269     | 9.300    | ug/l   | 85       |
| -----                       |        |       |          |          |        |          |

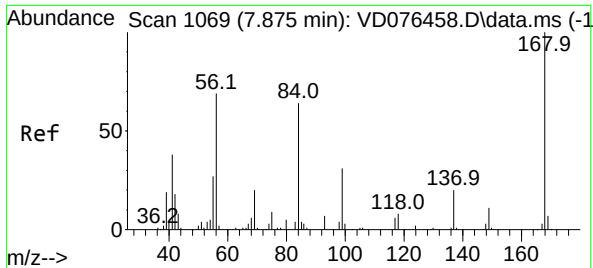
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD076564.D  
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ALS Vial : 16 Sample Multiplier: 1

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TOTAL-VOC-SB-28-GRAB-5

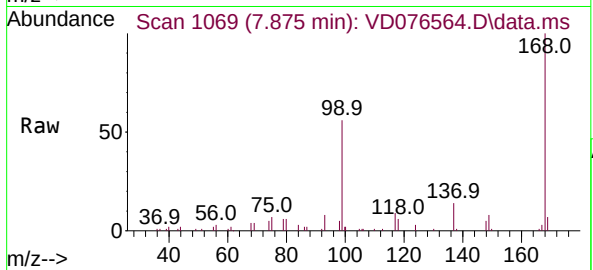
Quant Time: Jun 24 00:57:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 19 04:51:45 2023  
Response via : Initial Calibration



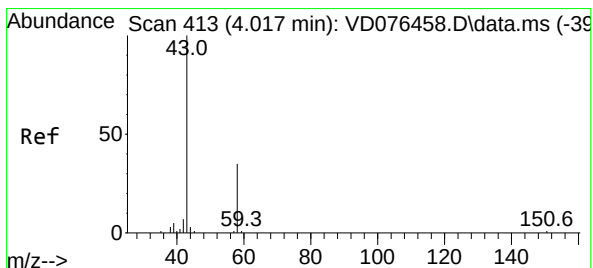
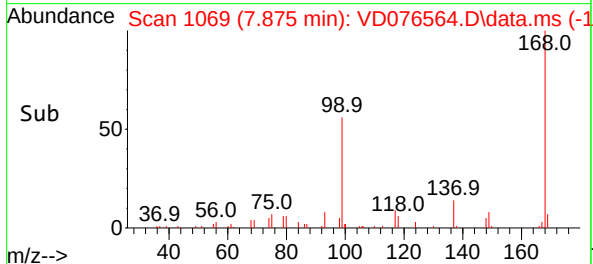
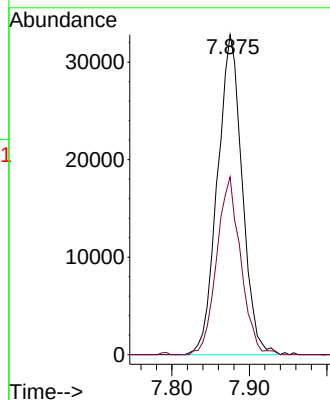


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076564.D  
Acq: 23 Jun 2023 18:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
TOTAL-VOC-SB-28-GRAB-5

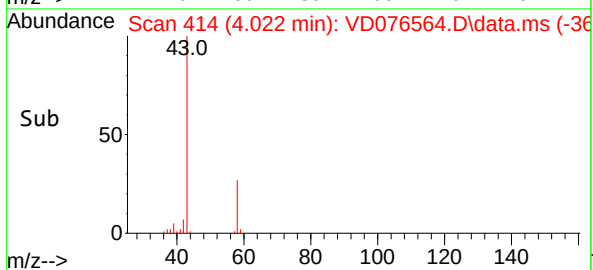
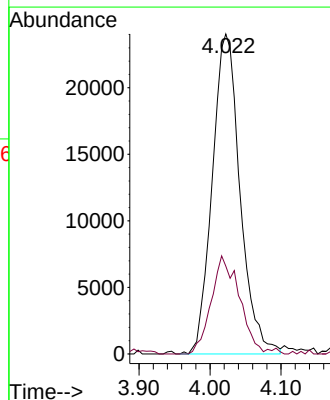
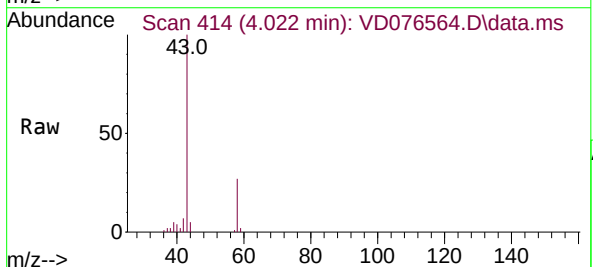


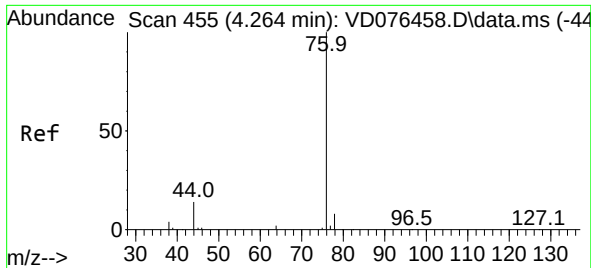
Tgt Ion:168 Resp: 72714  
Ion Ratio Lower Upper  
168 100  
99 55.6 36.7 55.1#



#16  
Acetone  
Concen: 376.725 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VD076564.D  
Acq: 23 Jun 2023 18:03

Tgt Ion: 43 Resp: 65310  
Ion Ratio Lower Upper  
43 100  
58 27.4 34.7 52.1#

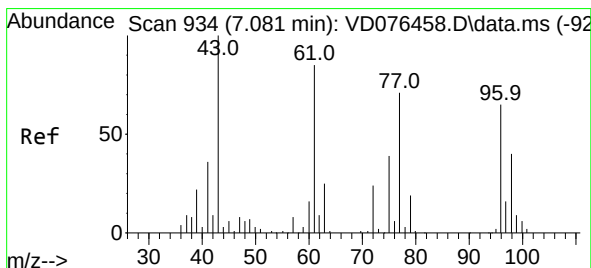
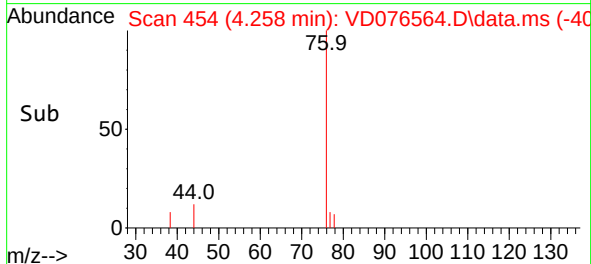
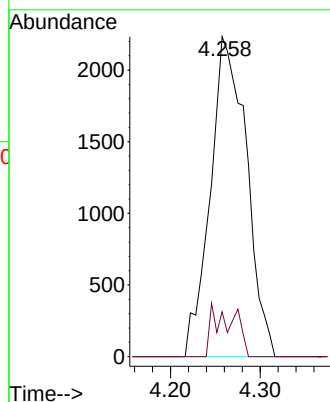
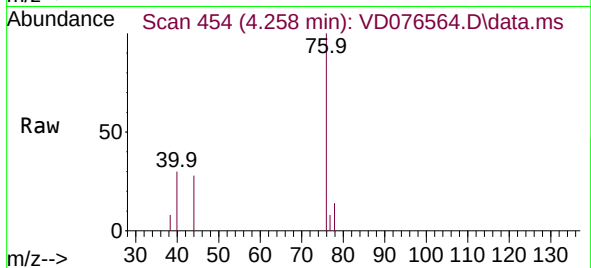




#17  
Carbon Disulfide  
Concen: 3.441 ug/l  
RT: 4.258 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD076564.D  
Acq: 23 Jun 2023 18:03

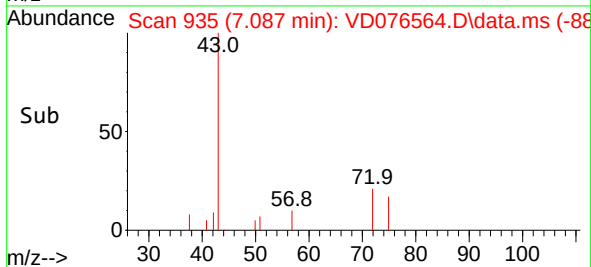
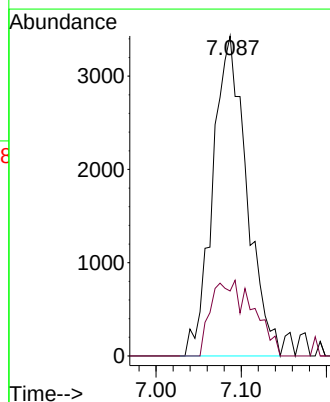
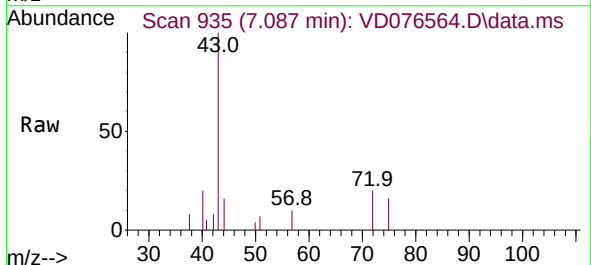
Instrument :  
MSVOA\_D  
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TOTAL-VOC-SB-28-GRAB-5

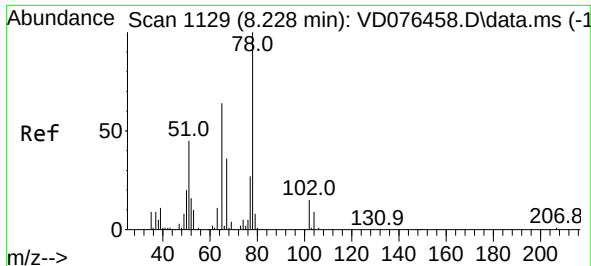
Tgt Ion: 76 Resp: 6255  
Ion Ratio Lower Upper  
76 100  
78 14.0 6.8 10.2#



#25  
2-Butanone  
Concen: 35.448 ug/l  
RT: 7.087 min Scan# 935  
Delta R.T. 0.006 min  
Lab File: VD076564.D  
Acq: 23 Jun 2023 18:03

Tgt Ion: 43 Resp: 9505  
Ion Ratio Lower Upper  
43 100  
72 20.3 30.7 46.1#





#33

1,2-Dichloroethane-d4

Concen: 66.144 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076564.D

Acq: 23 Jun 2023 18:03

Instrument :

MSVOA\_D

ClientSampleId :

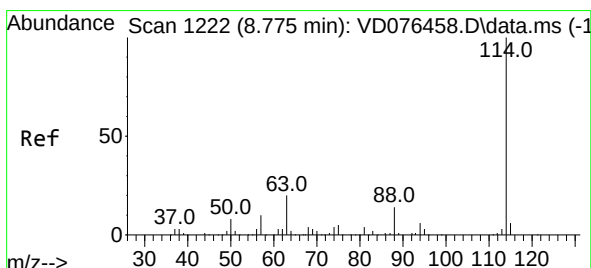
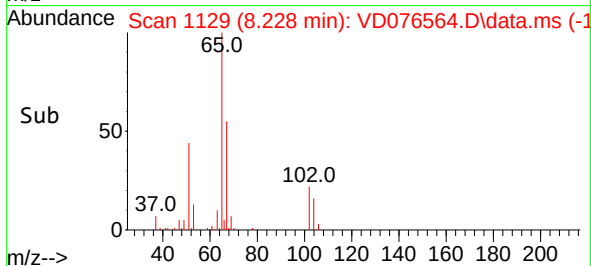
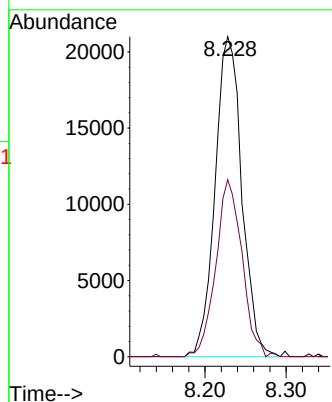
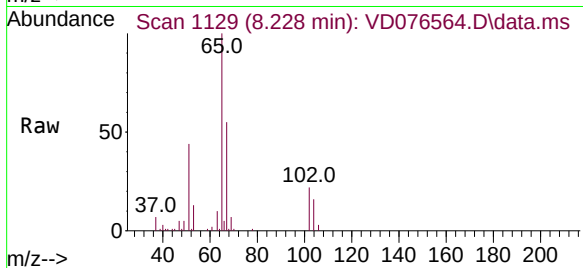
TOTAL-VOC-SB-28-GRAB-5

Tgt Ion: 65 Resp: 48188

Ion Ratio Lower Upper

65 100

67 54.1 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: VD076564.D

Acq: 23 Jun 2023 18:03

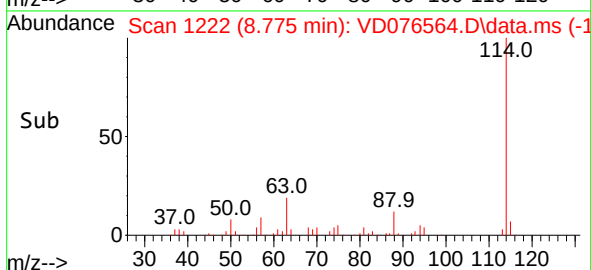
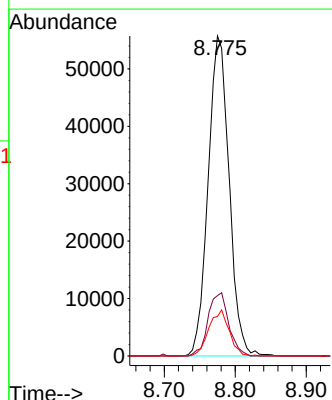
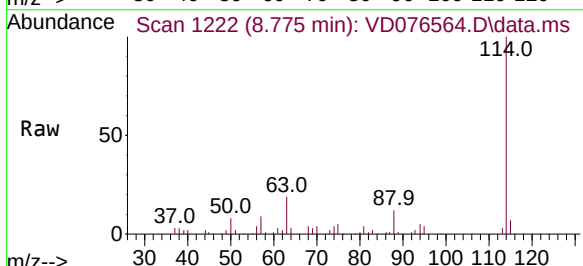
Tgt Ion: 114 Resp: 114408

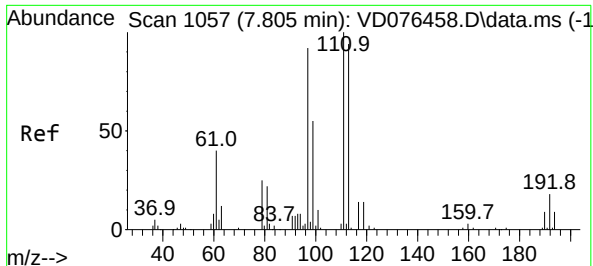
Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 12.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 27.227 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076564.D

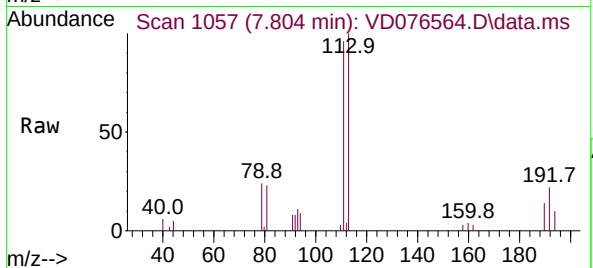
Acq: 23 Jun 2023 18:03

Instrument :

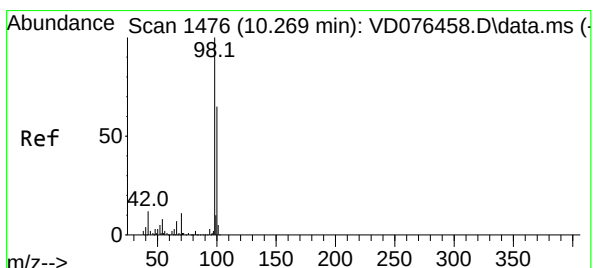
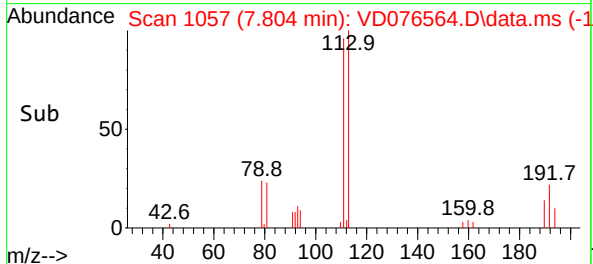
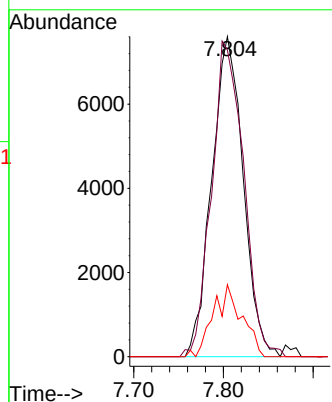
MSVOA\_D

ClientSampleId :

TOTAL-VOC-SB-28-GRAB-5



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 18505 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 100.5 | 84.7  | 127.1 |
| 192       | 20.5  | 16.8  | 25.2  |



#50

Toluene-d8

Concen: 46.921 ug/l

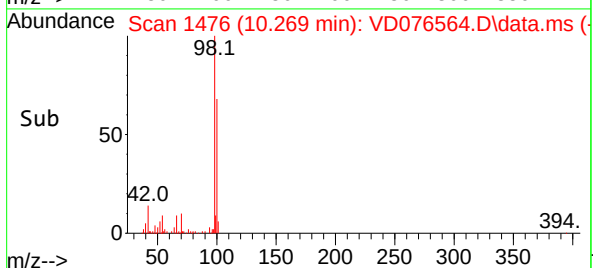
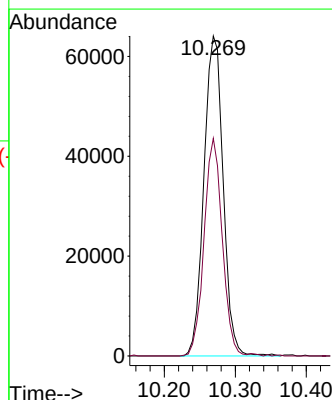
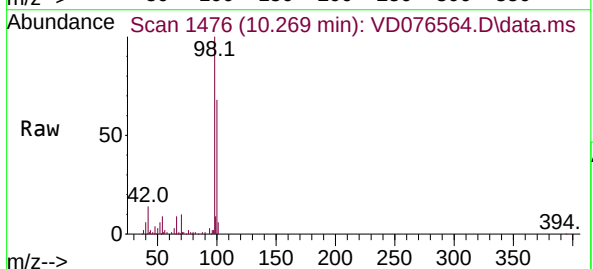
RT: 10.269 min Scan# 1476

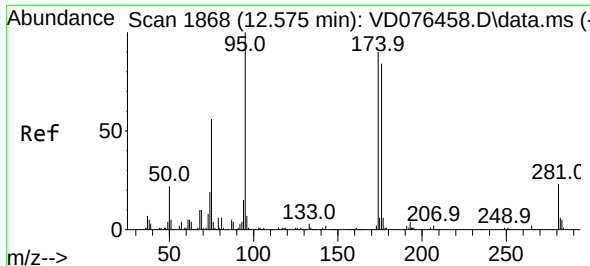
Delta R.T. -0.000 min

Lab File: VD076564.D

Acq: 23 Jun 2023 18:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 120942 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.3  | 50.3  | 75.5   |

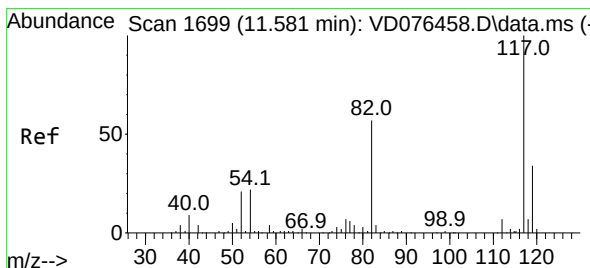
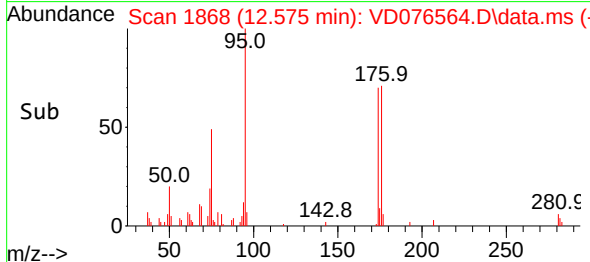
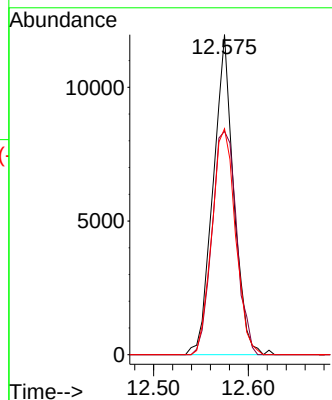
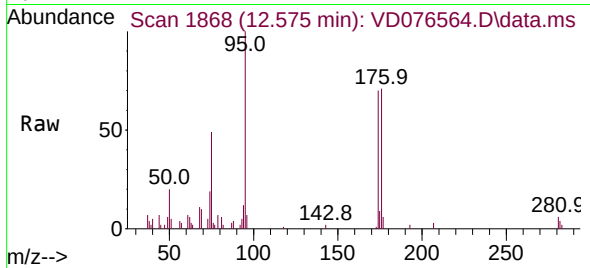




#62  
4-Bromofluorobenzene  
Concen: 21.593 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076564.D  
Acq: 23 Jun 2023 18:03

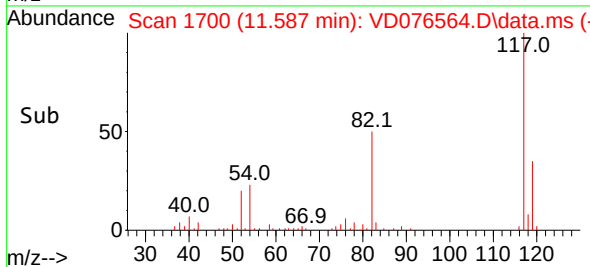
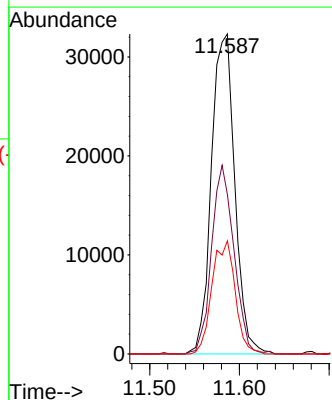
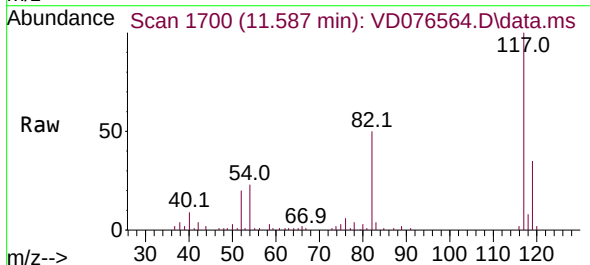
Instrument :  
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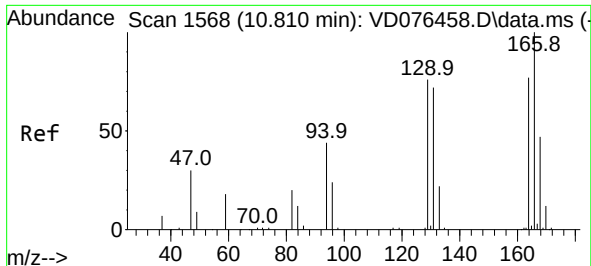
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 18063 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 83.3  | 0.0   | 201.8 |
| 176      | 80.8  | 0.0   | 191.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 1700  
Delta R.T. 0.006 min  
Lab File: VD076564.D  
Acq: 23 Jun 2023 18:03

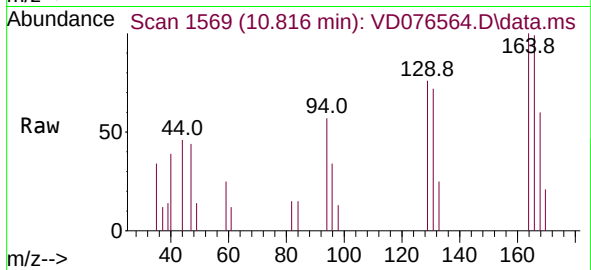
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 58560 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 49.9  | 38.3  | 57.5  |
| 119      | 35.3  | 25.0  | 37.4  |



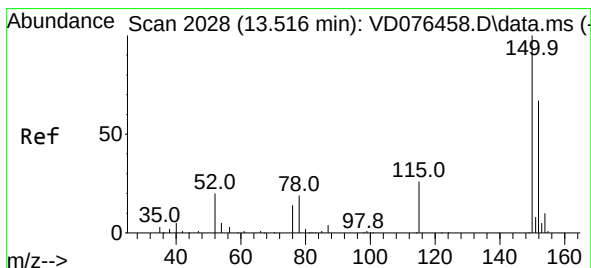
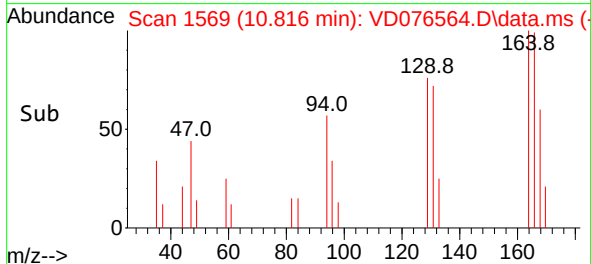
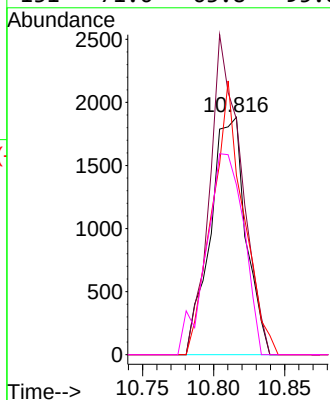


#64  
Tetrachloroethene  
Concen: 9.300 ug/l  
RT: 10.816 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD076564.D  
Acq: 23 Jun 2023 18:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
TOTAL-VOC-SB-28-GRAB-5



| Tgt Ion:  | 164  | Resp: | 3269  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 164       | 100  |       |       |
| 166       | 99.3 | 99.2  | 148.8 |
| 129       | 75.6 | 68.4  | 102.6 |
| 131       | 71.6 | 63.8  | 95.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD076564.D  
Acq: 23 Jun 2023 18:03

| Tgt Ion:  | 152   | Resp: | 10880 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 152       | 100   |       |       |
| 115       | 61.7  | 27.1  | 81.3  |
| 150       | 157.6 | 0.0   | 353.6 |

