

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062323\  
 Data File : VD076569.D  
 Acq On : 23 Jun 2023 20:33  
 Operator : KP/SY  
 Sample : 03361-18  
 Misc : 13.43G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TOTAL-VOC-SB-21-GRAB-5

Quant Time: Jun 24 01:00:40 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  | 90438    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 161115   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.580 | 117  | 121491   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 35731    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.233  | 65    | 66377    | 73.255   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 146.500% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 60430    | 63.137   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 126.280% |
| 50) Toluene-d8              | 10.269 | 98    | 188579   | 51.952   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 103.900% |
| 62) 4-Bromofluorobenzene    | 12.574 | 95    | 40158    | 34.088   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 68.180%  |

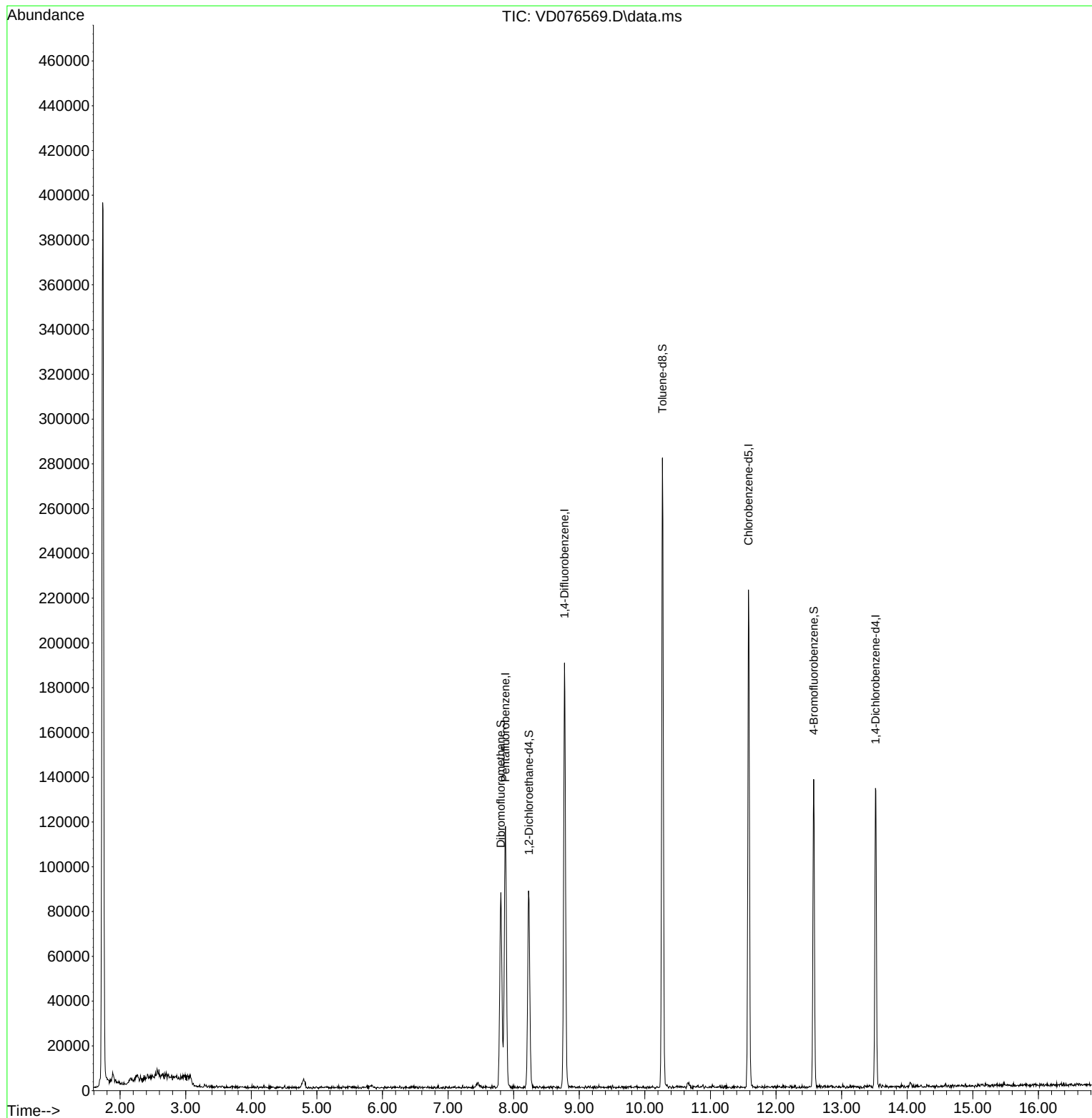
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

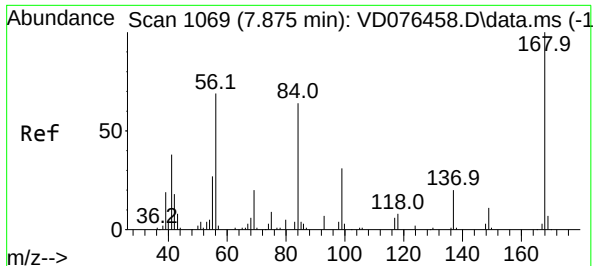
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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TOTAL-VOC-SB-21-GRAB-5

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Quant Title : SW846 8260  
QLast Update : Mon Jun 19 04:51:45 2023  
Response via : Initial Calibration

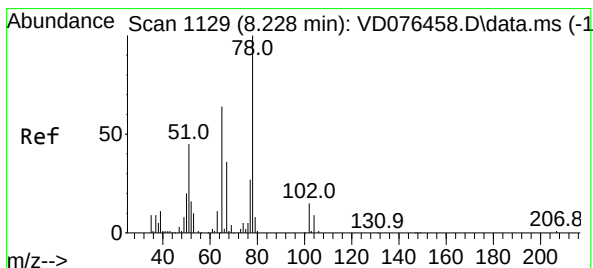
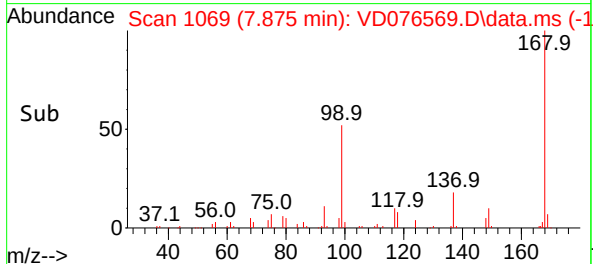
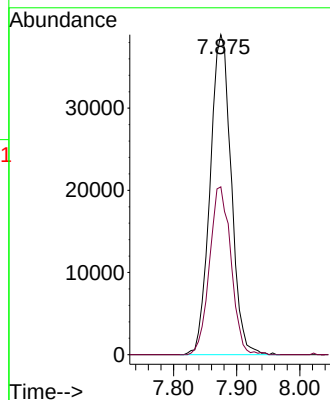
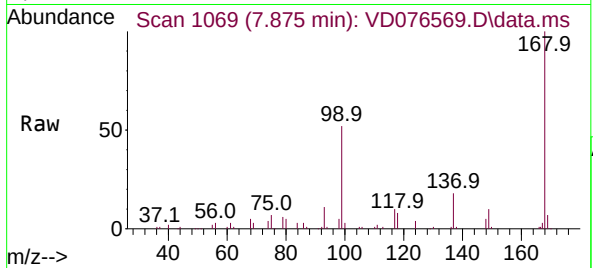




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 110  
Delta R.T. -0.000 min  
Lab File: VD076569.D  
Acq: 23 Jun 2023 20:33

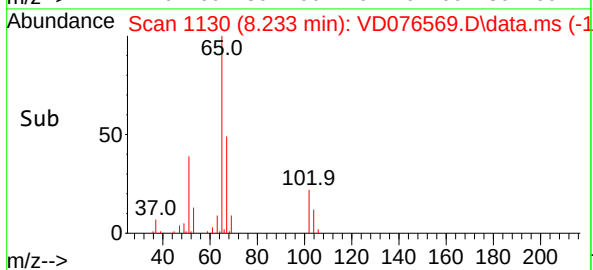
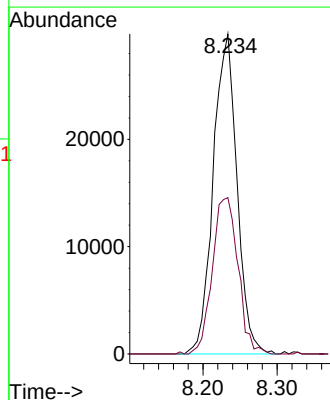
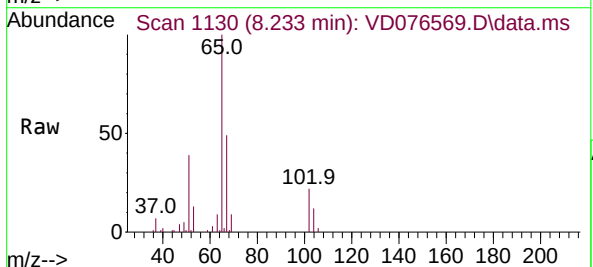
Instrument :  
MSVOA\_D  
ClientSampleId :  
TOTAL-VOC-SB-21-GRAB-5

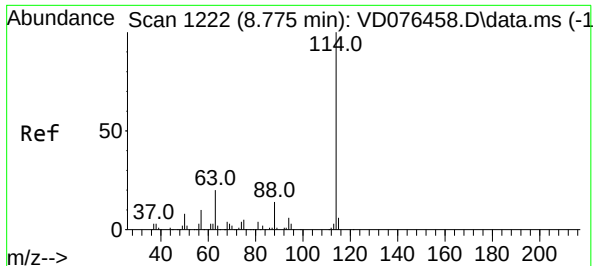
Tgt Ion:168 Resp: 90438  
Ion Ratio Lower Upper  
168 100  
99 52.5 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 73.255 ug/l  
RT: 8.233 min Scan# 1130  
Delta R.T. 0.005 min  
Lab File: VD076569.D  
Acq: 23 Jun 2023 20:33

Tgt Ion: 65 Resp: 66377  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 115.0

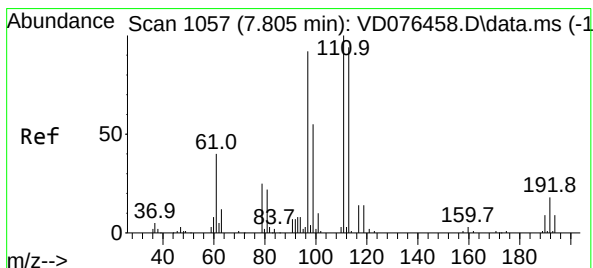
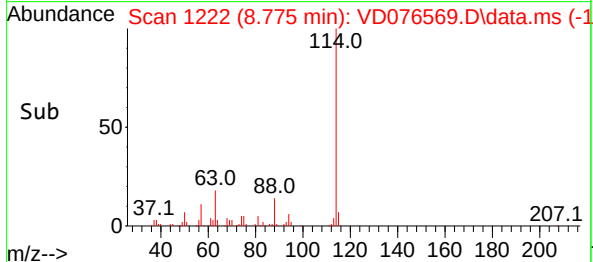
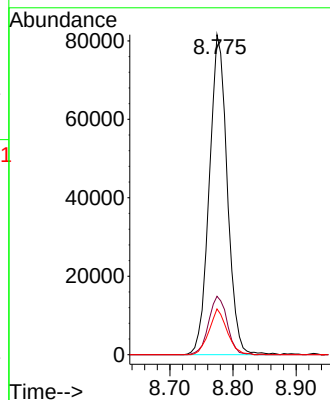
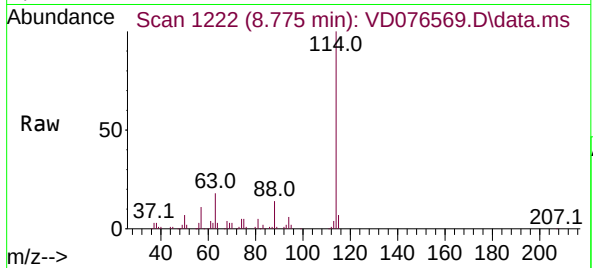




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076569.D  
Acq: 23 Jun 2023 20:33

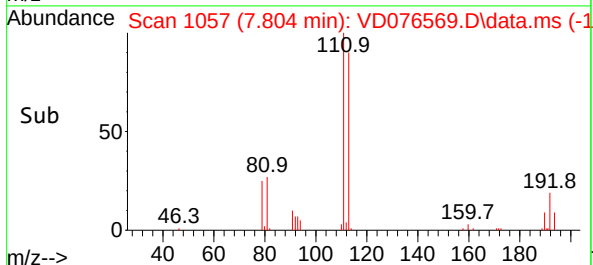
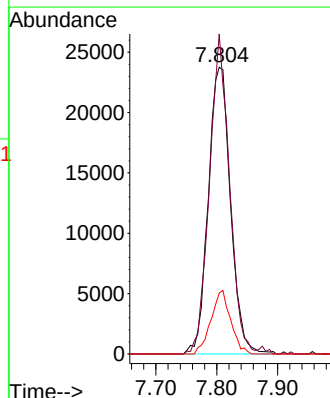
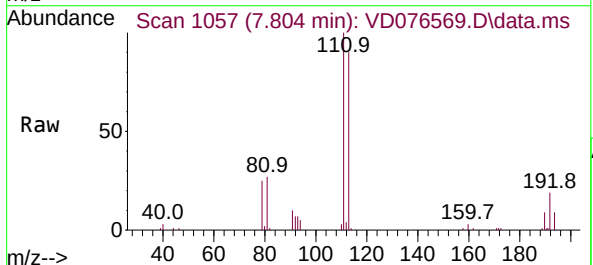
Instrument :  
MSVOA\_D  
ClientSampleId :  
TOTAL-VOC-SB-21-GRAB-5

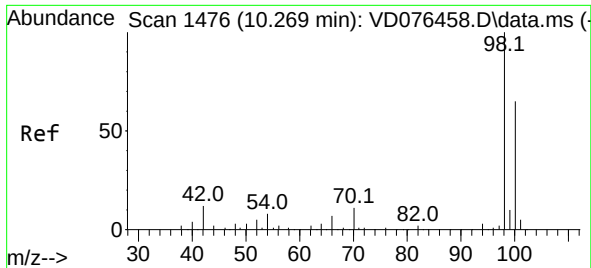
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 161115 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.3  | 0.0   | 33.4   |
| 88       | 14.3  | 0.0   | 26.2   |



#35  
Dibromofluoromethane  
Concen: 63.137 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD076569.D  
Acq: 23 Jun 2023 20:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 60430 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 100.1 | 84.7  | 127.1 |
| 192      | 19.5  | 16.8  | 25.2  |

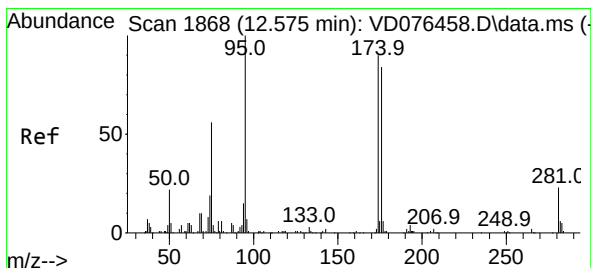
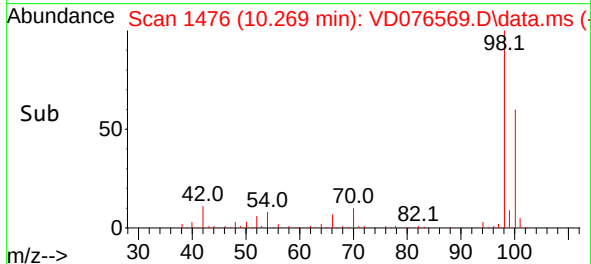
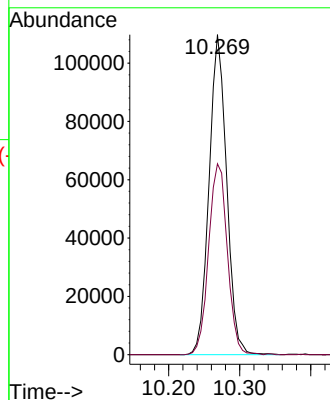
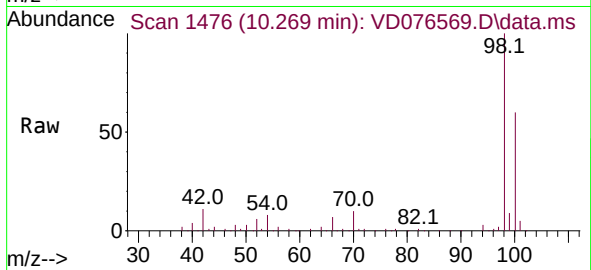




#50  
Toluene-d8  
Concen: 51.952 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076569.D  
Acq: 23 Jun 2023 20:33

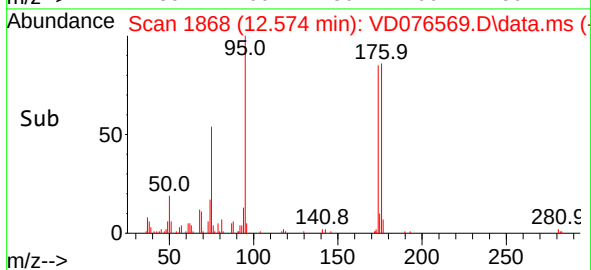
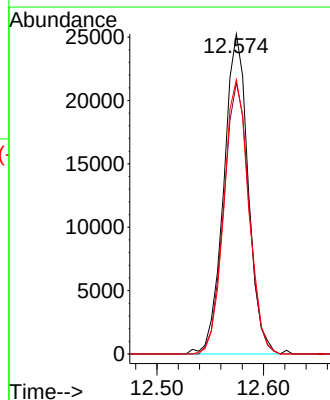
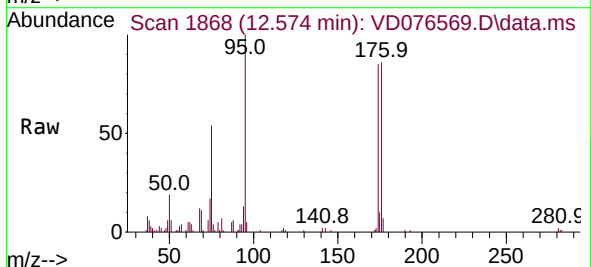
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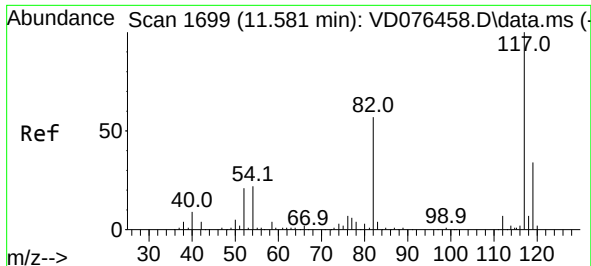
Tgt Ion: 98 Resp: 188579  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 34.088 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076569.D  
Acq: 23 Jun 2023 20:33

Tgt Ion: 95 Resp: 40158  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 201.8  
176 87.1 0.0 191.8

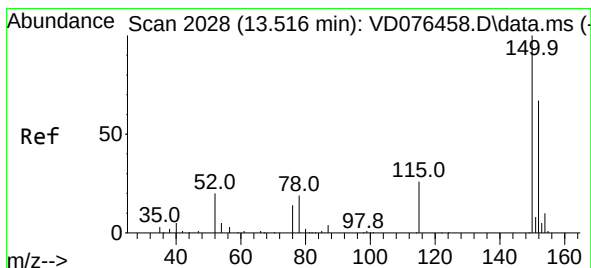
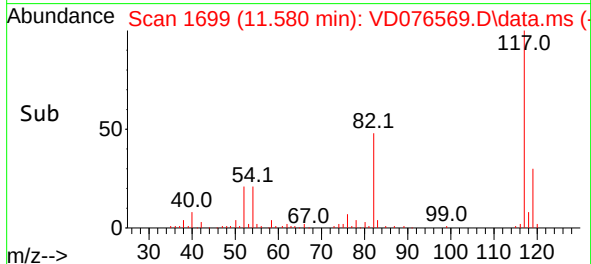
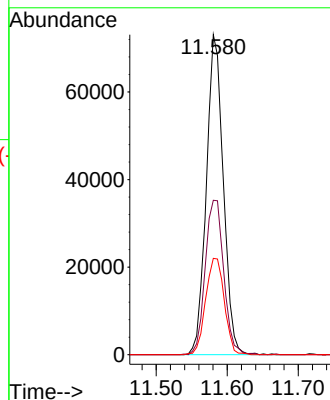
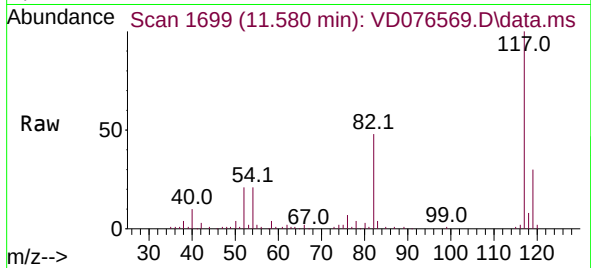




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD076569.D  
Acq: 23 Jun 2023 20:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
TOTAL-VOC-SB-21-GRAB-5

Tgt Ion:117 Resp: 121491  
Ion Ratio Lower Upper  
117 100  
82 48.3 38.3 57.5  
119 30.1 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD076569.D  
Acq: 23 Jun 2023 20:33

Tgt Ion:152 Resp: 35731  
Ion Ratio Lower Upper  
152 100  
115 54.5 27.1 81.3  
150 158.7 0.0 353.6

