

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110123\  
 Data File : VD077479.D  
 Acq On : 01 Nov 2023 14:33  
 Operator : JC/SY  
 Sample : 05196-01  
 Misc : 5.01G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PE-6-NORTHSIDE-BASE

Quant Time: Nov 02 00:55:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 04:19:17 2023  
 Response via : Initial Calibration

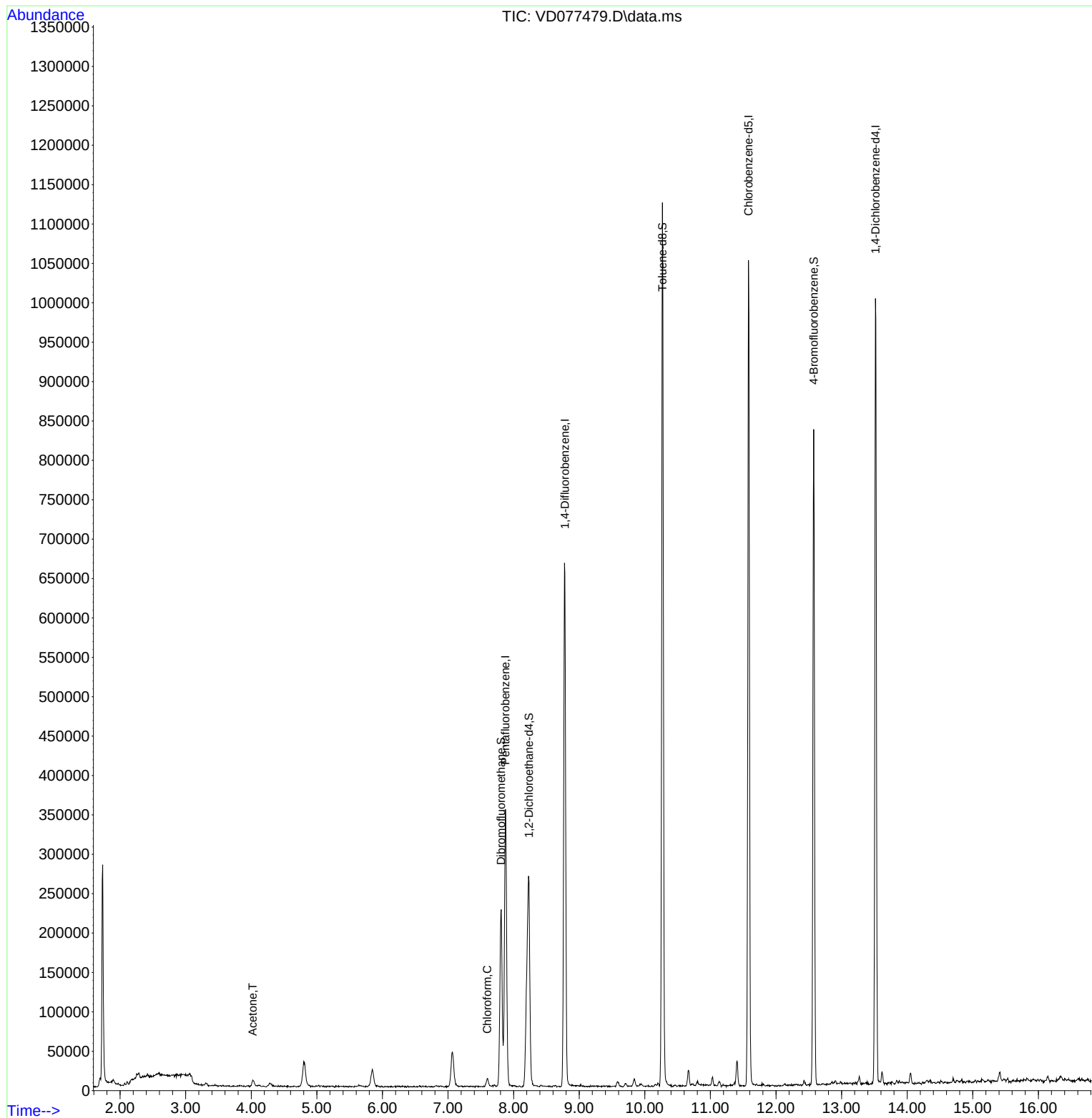
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 258714   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.781  | 114   | 545986   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 547552   | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 249310   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 185766   | 50.779   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 101.560% |          |
| 35) Dibromofluoromethane    | 7.810  | 113   | 161132   | 42.699   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 85.400%  |          |
| 50) Toluene-d8              | 10.269 | 98    | 734339   | 50.099   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 100.200% |          |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 253708   | 51.391   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 102.780% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.022  | 43    | 13929    | 14.389   | ug/l       | 91       |
| 30) Chloroform              | 7.599  | 83    | 9145     | 1.424    | ug/l       | 87       |
| -----                       |        |       |          |          |            |          |

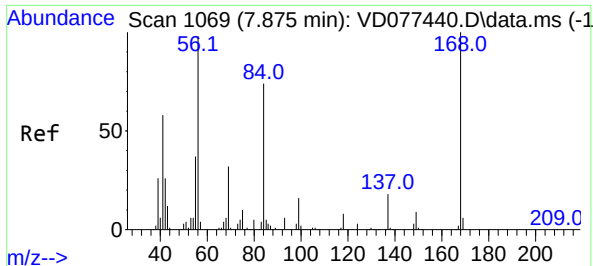
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Oct 31 04:19:17 2023  
Response via : Initial Calibration

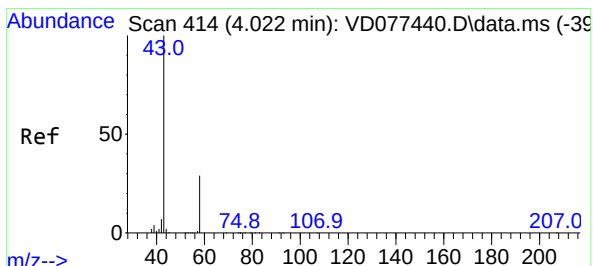
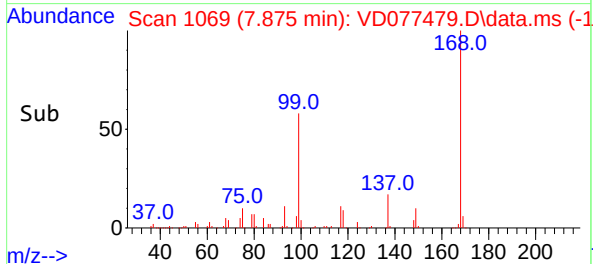
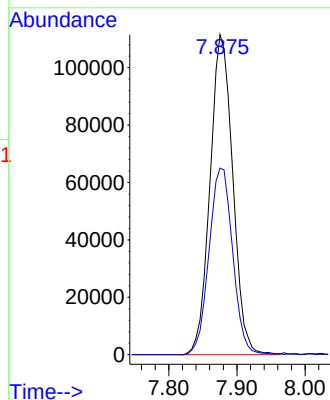
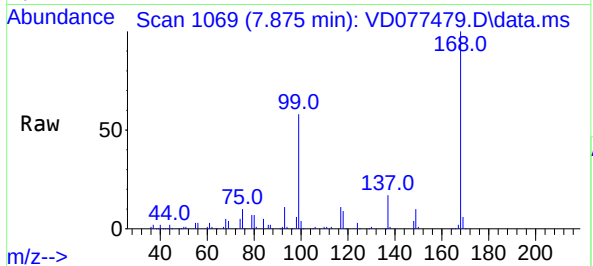




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077479.D  
Acq: 01 Nov 2023 14:33

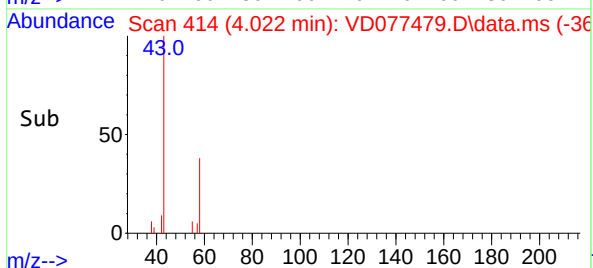
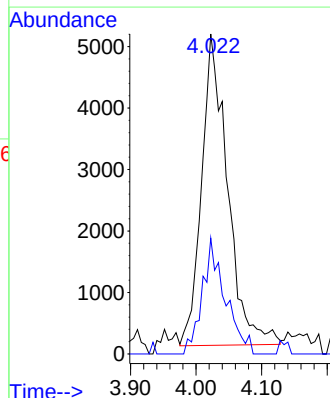
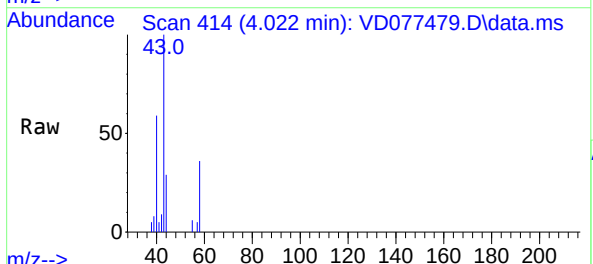
Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-6-NORTHSIDE-BASE

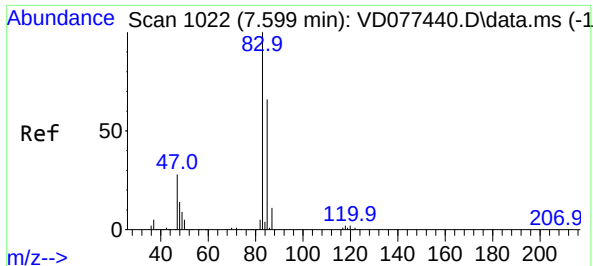
Tgt Ion:168 Resp: 258714  
Ion Ratio Lower Upper  
168 100  
99 58.3 36.7 55.1#



#16  
Acetone  
Concen: 14.389 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD077479.D  
Acq: 01 Nov 2023 14:33

Tgt Ion: 43 Resp: 13929  
Ion Ratio Lower Upper  
43 100  
58 37.3 34.7 52.1

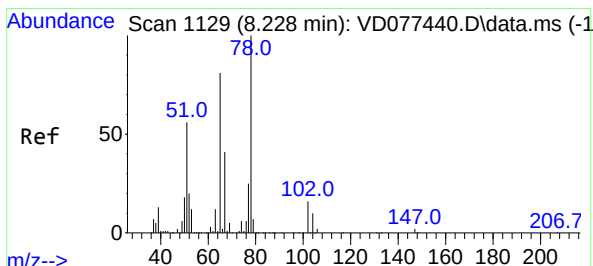
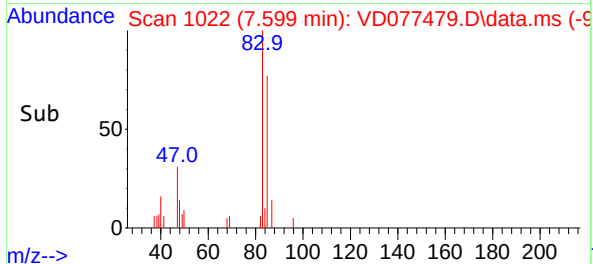
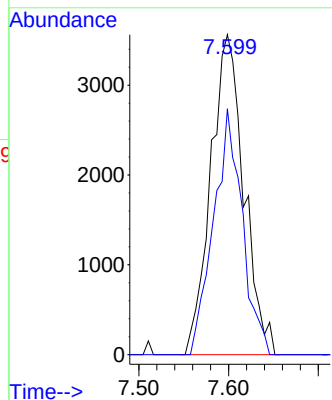
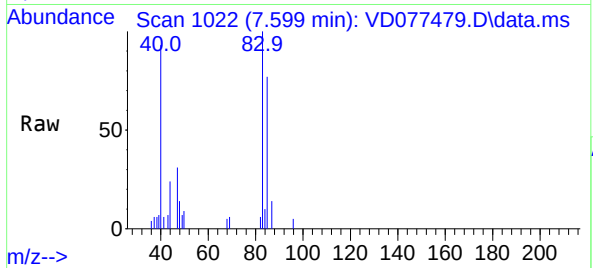




#30  
Chloroform  
Concen: 1.424 ug/l  
RT: 7.599 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: VD077479.D  
Acq: 01 Nov 2023 14:33

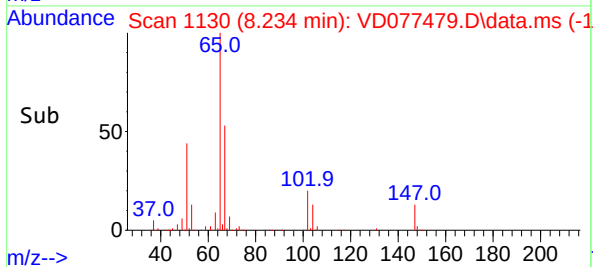
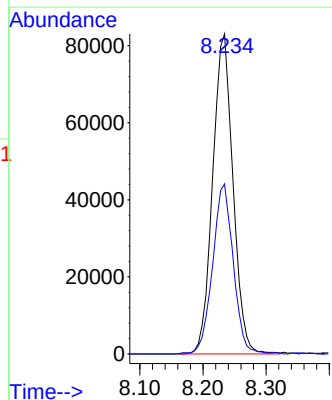
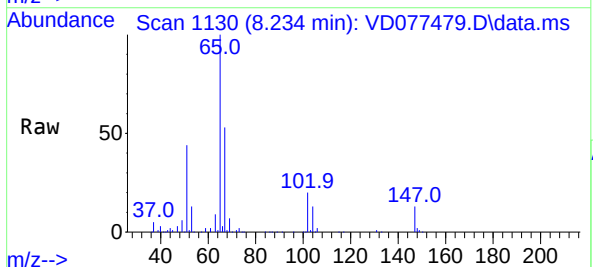
Instrument :  
MSVOA\_D  
ClientSampleId :  
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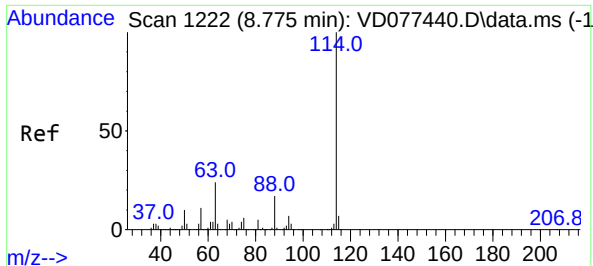
Tgt Ion: 83 Resp: 9145  
Ion Ratio Lower Upper  
83 100  
85 76.8 53.4 80.2



#33  
1,2-Dichloroethane-d4  
Concen: 50.779 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD077479.D  
Acq: 01 Nov 2023 14:33

Tgt Ion: 65 Resp: 185766  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

Instrument :

MSVOA\_D

ClientSampleId :

PE-6-NORTHSIDE-BASE

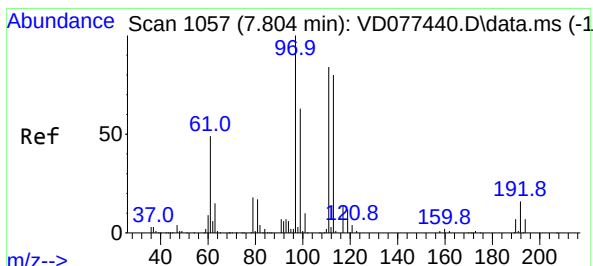
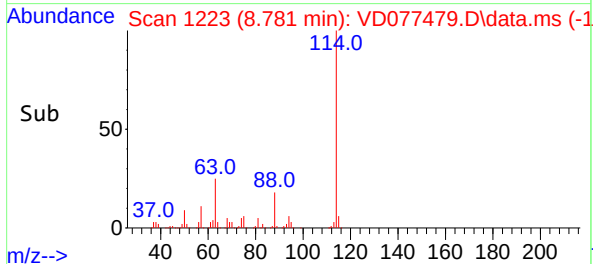
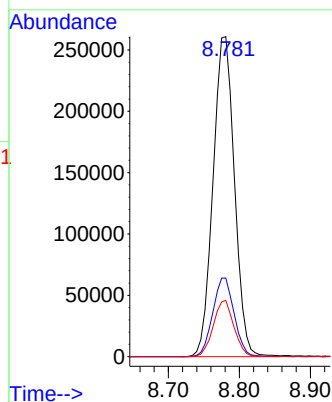
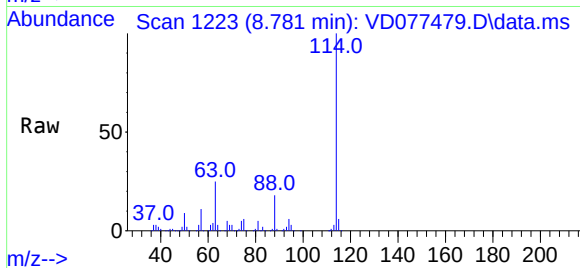
Tgt Ion:114 Resp: 545986

Ion Ratio Lower Upper

114 100

63 24.5 0.0 33.4

88 17.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.699 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

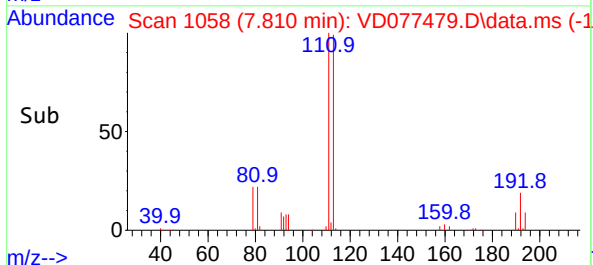
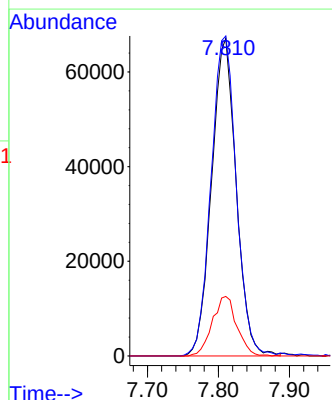
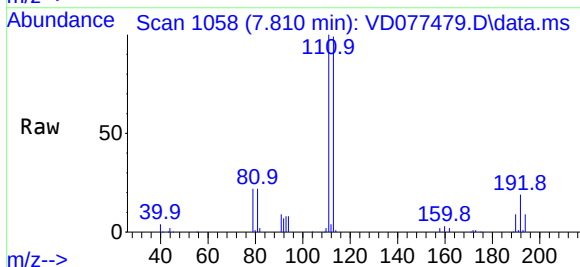
Tgt Ion:113 Resp: 161132

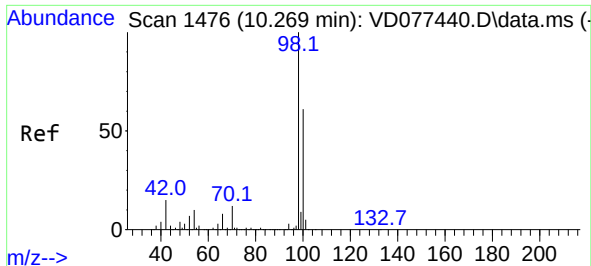
Ion Ratio Lower Upper

113 100

111 103.2 84.7 127.1

192 18.7 16.8 25.2

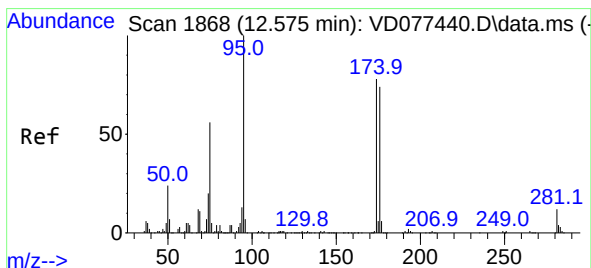
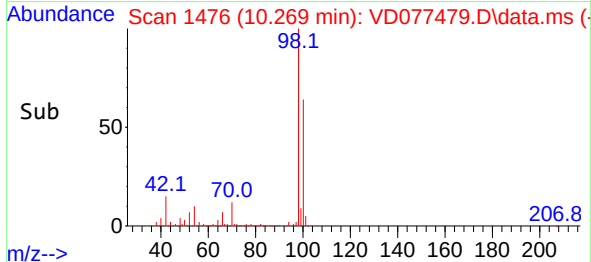
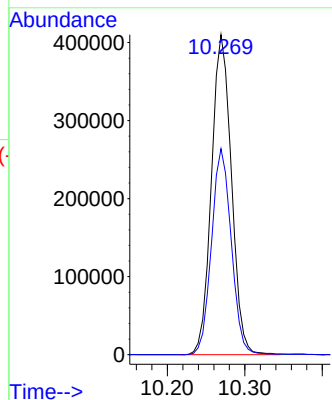
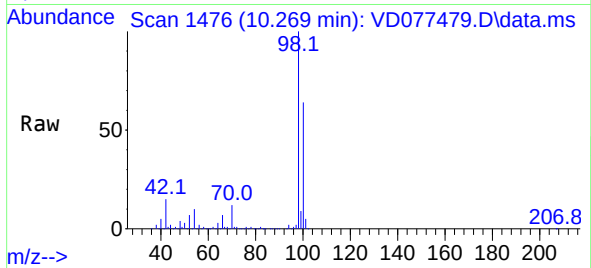




#50  
Toluene-d8  
Concen: 50.099 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077479.D  
Acq: 01 Nov 2023 14:33

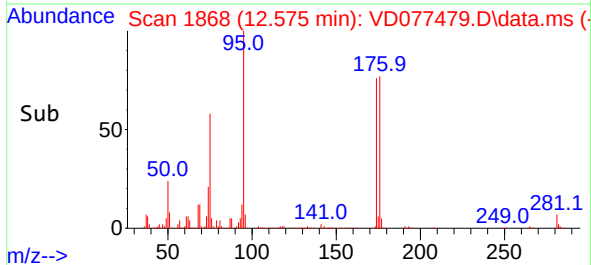
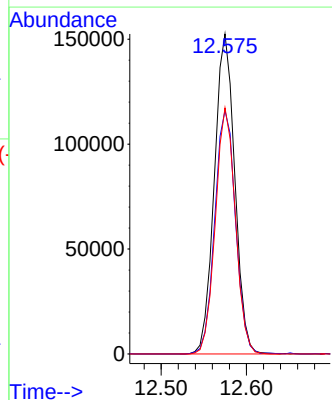
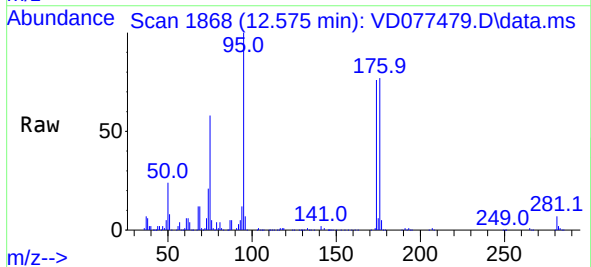
Instrument :  
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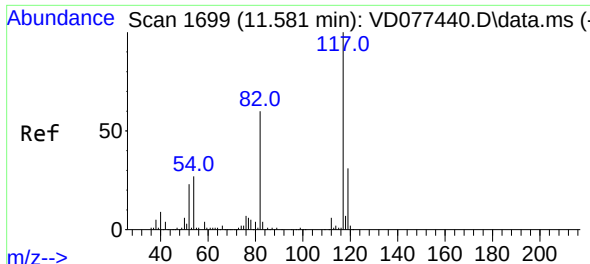
Tgt Ion: 98 Resp: 734339  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 51.391 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD077479.D  
Acq: 01 Nov 2023 14:33

Tgt Ion: 95 Resp: 253708  
Ion Ratio Lower Upper  
95 100  
174 77.3 0.0 201.8  
176 75.2 0.0 191.8

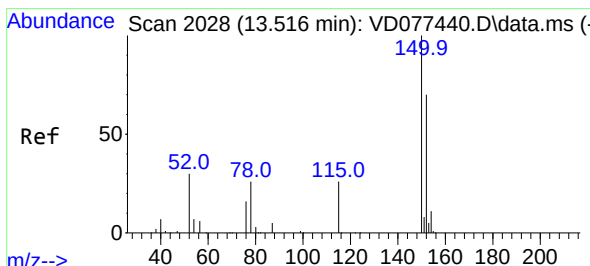
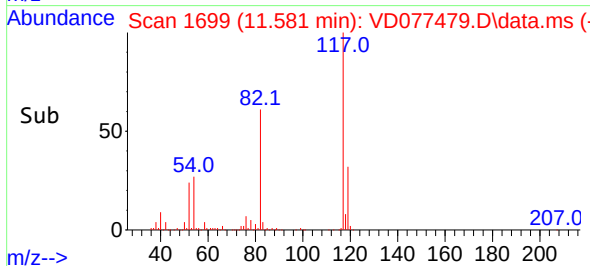
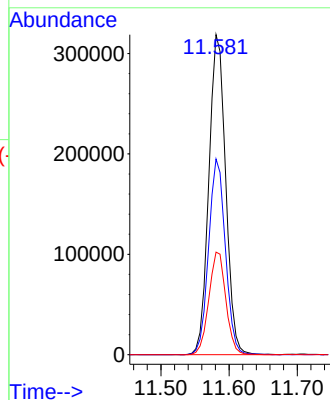
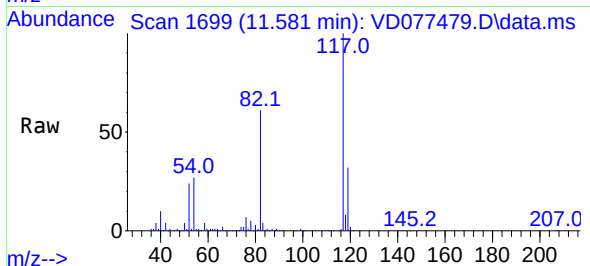




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VD077479.D  
Acq: 01 Nov 2023 14:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-6-NORTHSIDE-BASE

Tgt Ion:117 Resp: 547552  
Ion Ratio Lower Upper  
117 100  
82 61.2 38.3 57.5#  
119 32.1 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: VD077479.D  
Acq: 01 Nov 2023 14:33

Tgt Ion:152 Resp: 249310  
Ion Ratio Lower Upper  
152 100  
115 60.6 27.1 81.3  
150 157.2 0.0 353.6

