

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022125\  
 Data File : VY021297.D  
 Acq On : 21 Feb 2025 19:41  
 Operator : SY/MD  
 Sample : Q1393-01  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-COMP

Quant Time: Feb 21 23:11:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.720  | 168  | 1476     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.628  | 114  | 2406     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.426 | 117  | 1003     | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152  | 260      | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 1328     | 87.814   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 175.620%# |
| 35) Dibromofluoromethane    | 7.640  | 113   | 1091     | 70.756   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 141.520%  |
| 50) Toluene-d8              | 10.109 | 98    | 2314     | 39.419   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 78.840%   |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 238      | 12.410   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 24.820%#  |

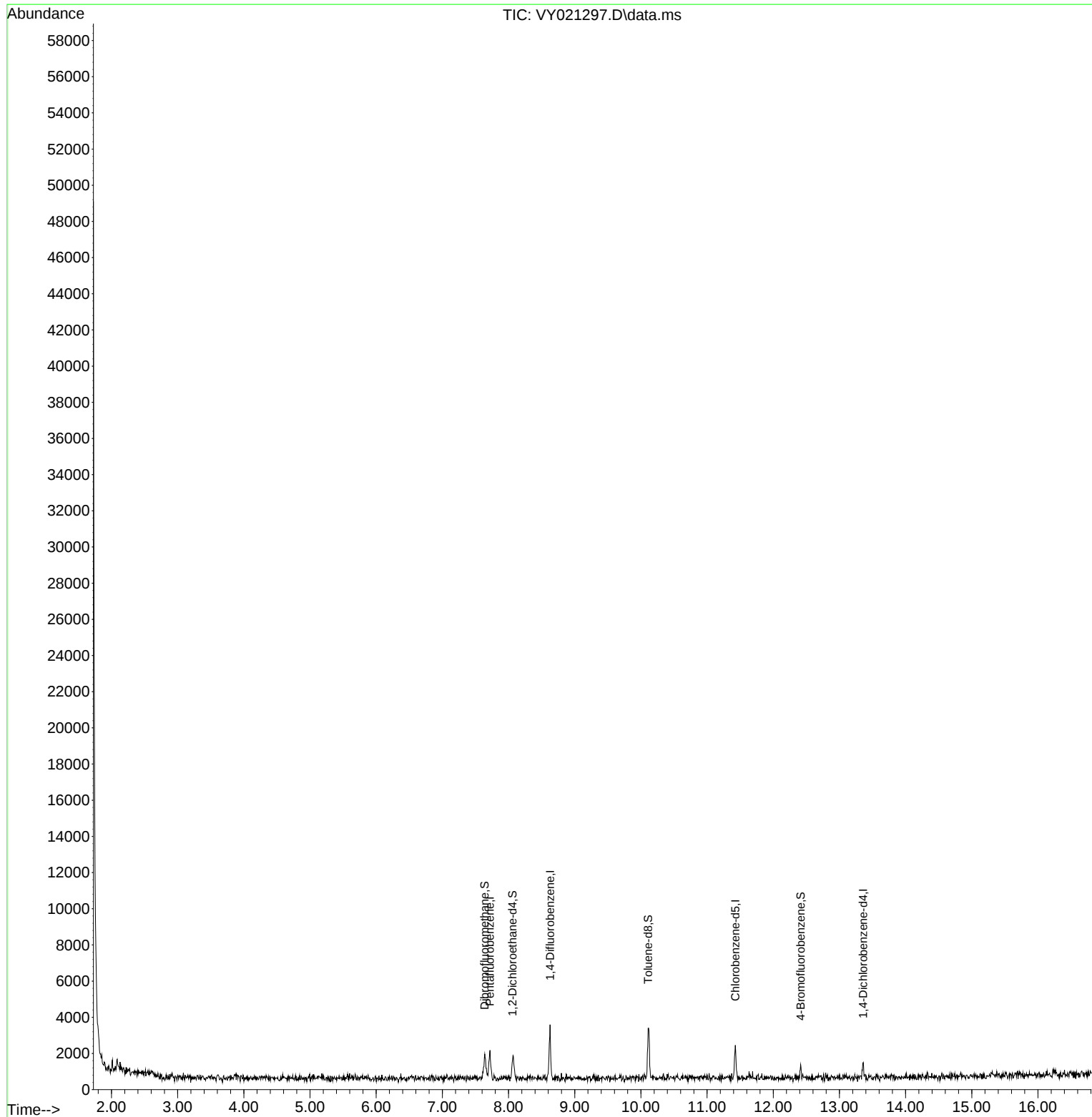
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

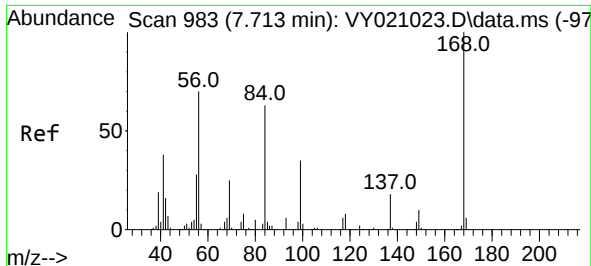
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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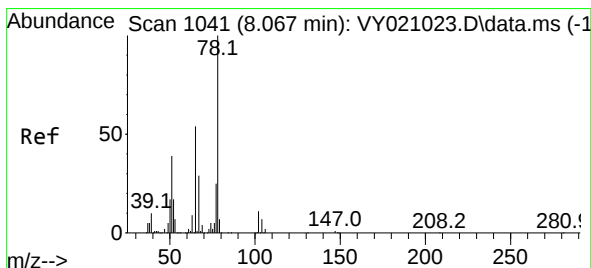
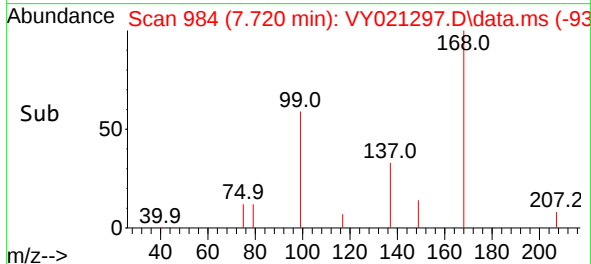
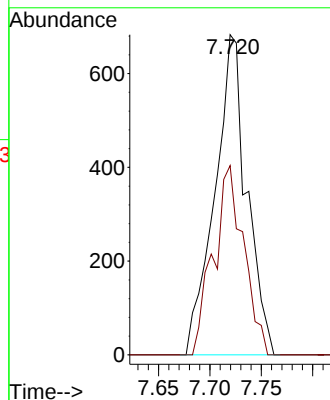
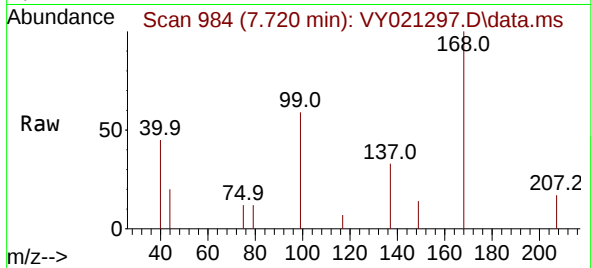




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.720 min Scan# 91  
Delta R.T. 0.007 min  
Lab File: VY021297.D  
Acq: 21 Feb 2025 19:41

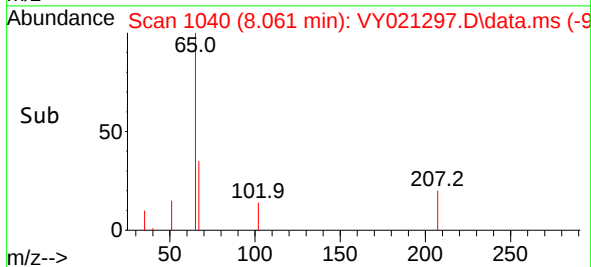
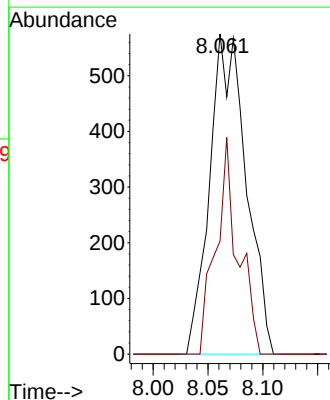
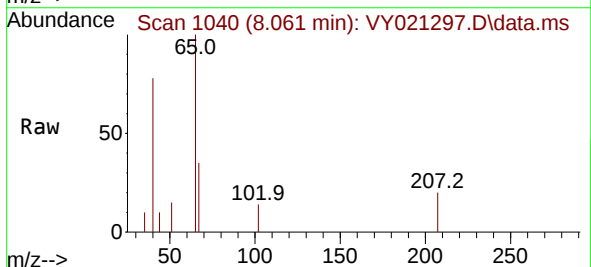
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-COMP

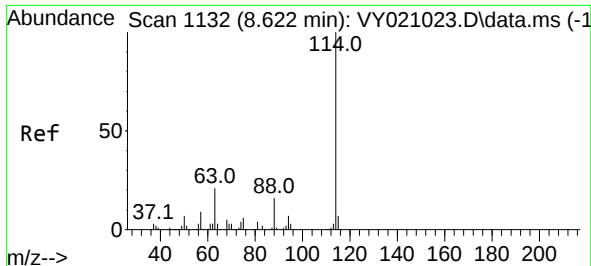
Tgt Ion:168 Resp: 1476  
Ion Ratio Lower Upper  
168 100  
99 59.2 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 87.814 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY021297.D  
Acq: 21 Feb 2025 19:41

Tgt Ion: 65 Resp: 1328  
Ion Ratio Lower Upper  
65 100  
67 41.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY021297.D

Acq: 21 Feb 2025 19:41

Instrument :

MSVOA\_Y

ClientSampleId :

SOIL-COMP

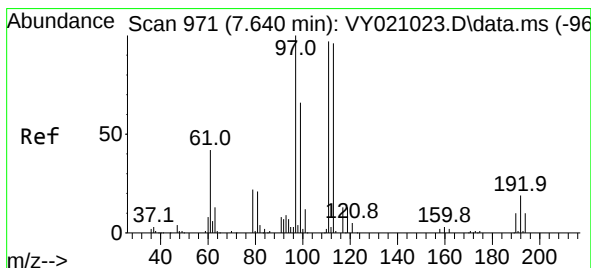
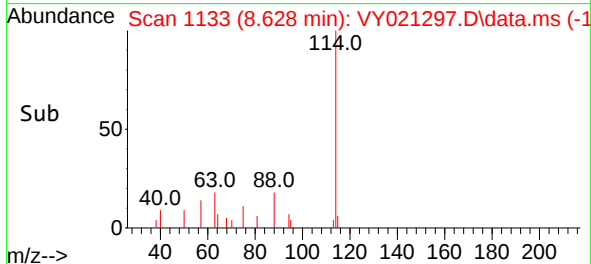
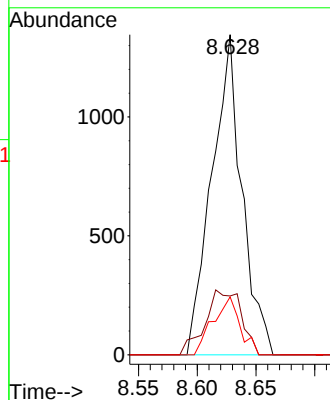
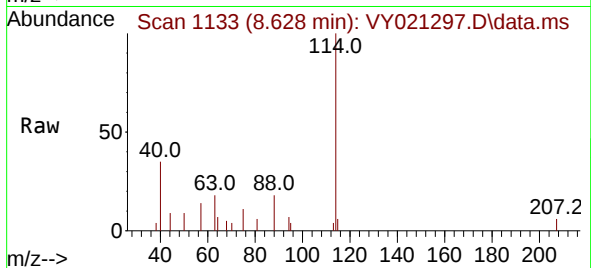
Tgt Ion:114 Resp: 2406

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

88 18.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 70.756 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021297.D

Acq: 21 Feb 2025 19:41

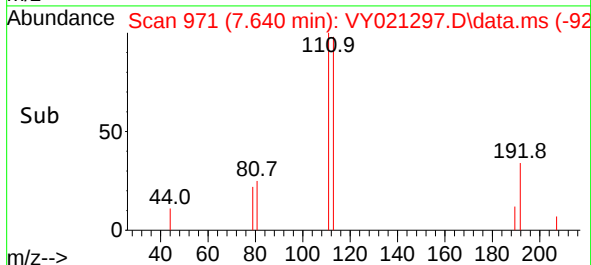
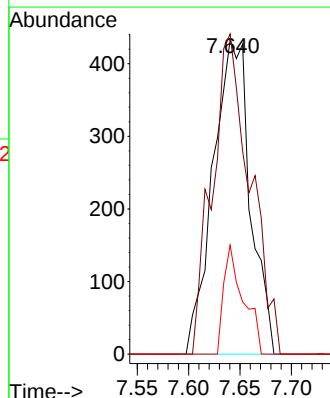
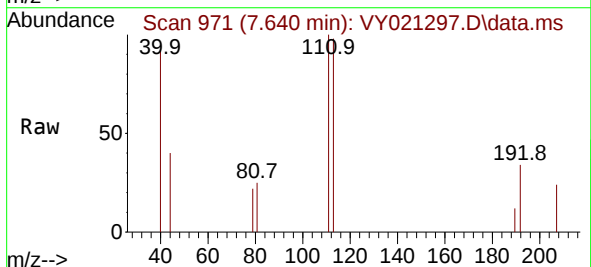
Tgt Ion:113 Resp: 1091

Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 18.2 14.5 21.7

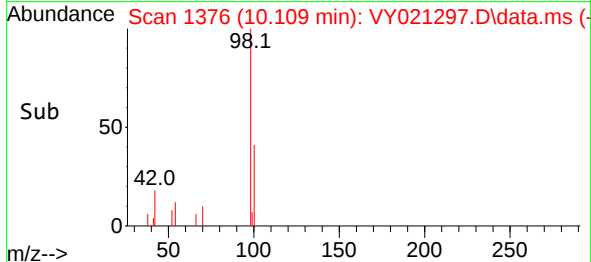
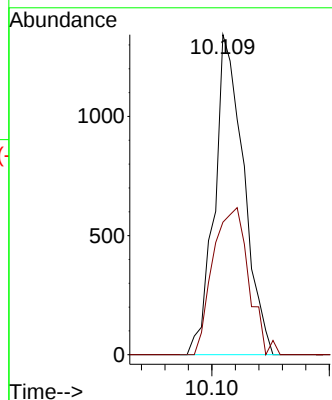
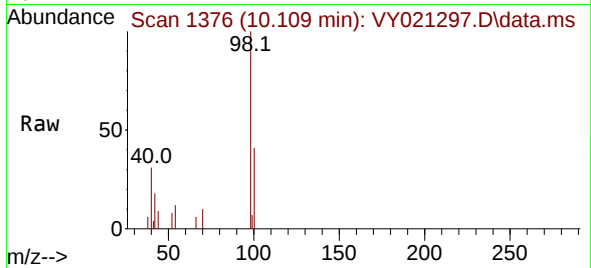




#50  
Toluene-d8  
Concen: 39.419 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY021297.D  
Acq: 21 Feb 2025 19:41

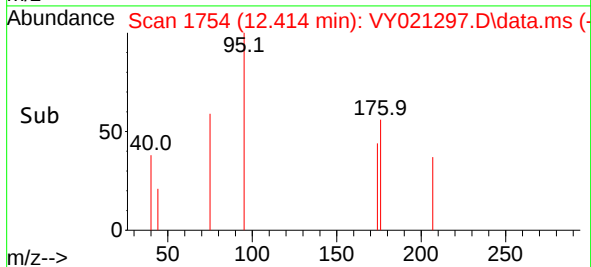
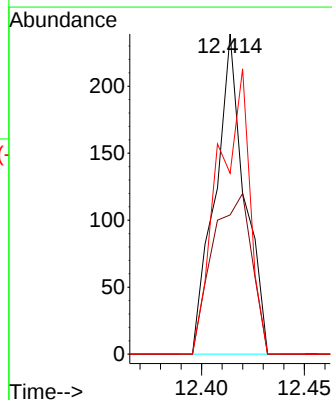
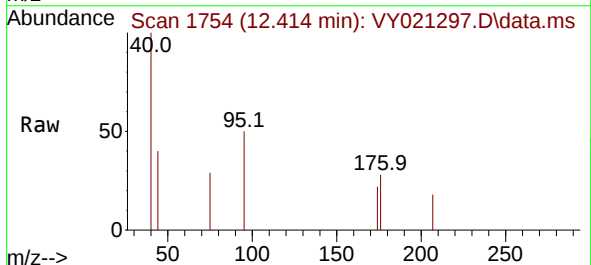
Instrument :  
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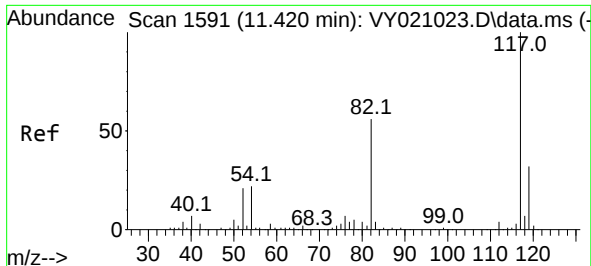
Tgt Ion: 98 Resp: 2314  
Ion Ratio Lower Upper  
98 100  
100 56.2 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 12.410 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.000 min  
Lab File: VY021297.D  
Acq: 21 Feb 2025 19:41

Tgt Ion: 95 Resp: 238  
Ion Ratio Lower Upper  
95 100  
174 66.8 0.0 160.0  
176 95.0 0.0 151.8

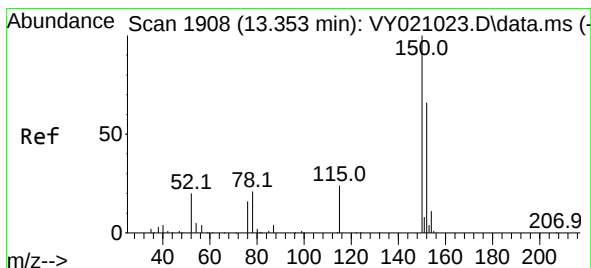
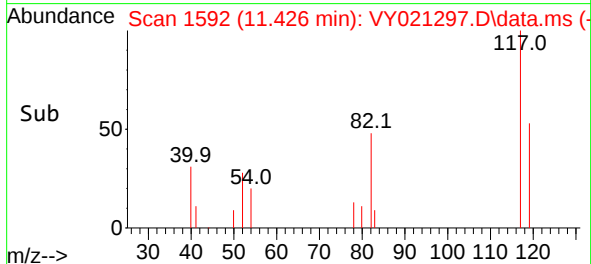
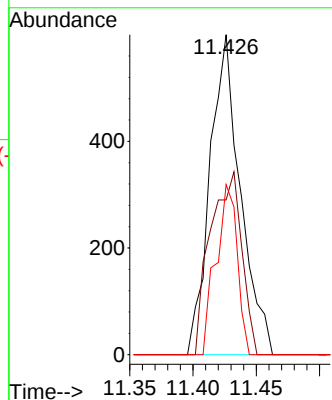
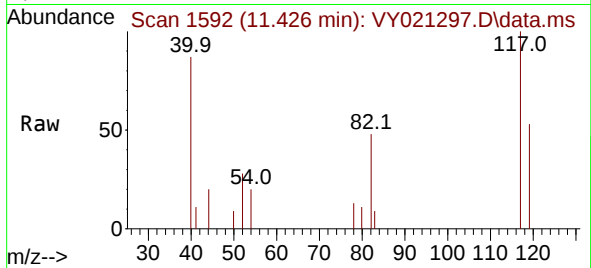




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.426 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY021297.D  
Acq: 21 Feb 2025 19:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-COMP

Tgt Ion:117 Resp: 1003  
Ion Ratio Lower Upper  
117 100  
82 48.3 43.8 65.8  
119 53.2 26.5 39.7#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.359 min Scan# 1909  
Delta R.T. 0.006 min  
Lab File: VY021297.D  
Acq: 21 Feb 2025 19:41

Tgt Ion:152 Resp: 260  
Ion Ratio Lower Upper  
152 100  
115 54.6 30.0 90.0  
150 180.0 0.0 344.6

