

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041825\  
 Data File : VY021922.D  
 Acq On : 18 Apr 2025 11:49  
 Operator : SY/MD  
 Sample : Q1830-01  
 Misc : 5.16g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-1

Quant Time: Apr 19 01:10:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

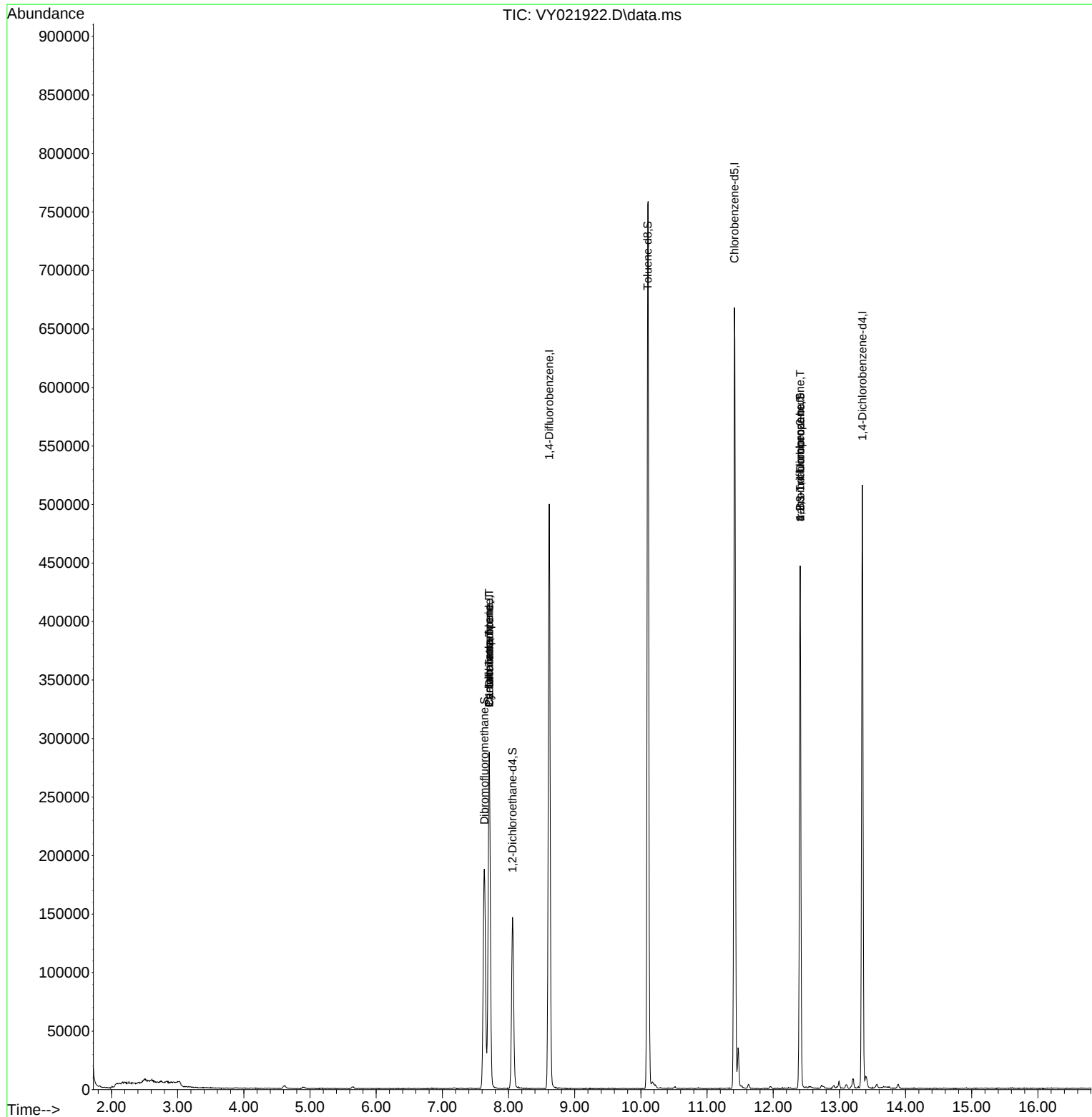
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 218259   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 409093   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 347451   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 125578   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 116938   | 49.450    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 98.900%  |
| 35) Dibromofluoromethane      | 7.634  | 113   | 134481   | 50.676    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 101.360% |
| 50) Toluene-d8                | 10.103 | 98    | 494421   | 48.974    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 97.940%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 134061   | 39.259    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 78.520%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 20) Methylene Chloride        | 4.622  | 84    | 1700     | Below Cal | #      | 88       |
| 31) Cyclohexane               | 7.707  | 56    | 5034     | 1.206     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 17634    | 4.363     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 22701    | 4.904     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 70230    | 56.419    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 70230    | 129.998   | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

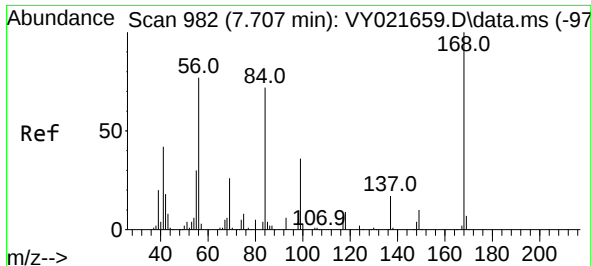
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
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QLast Update : Fri Mar 28 02:30:29 2025  
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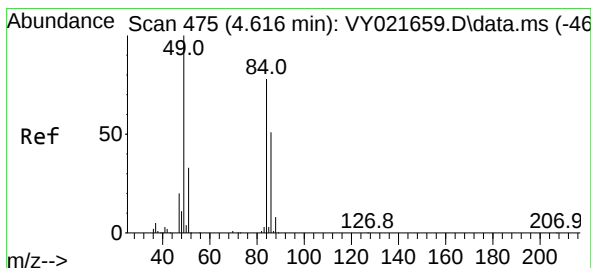
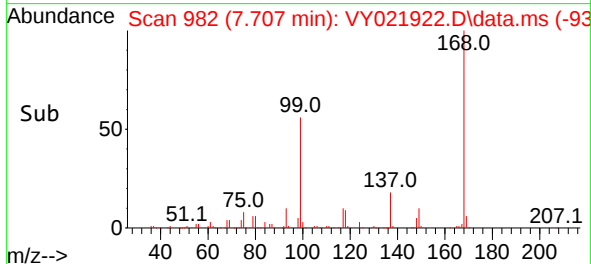
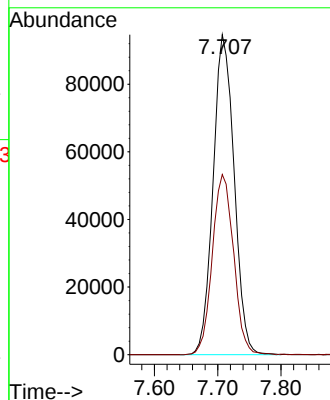
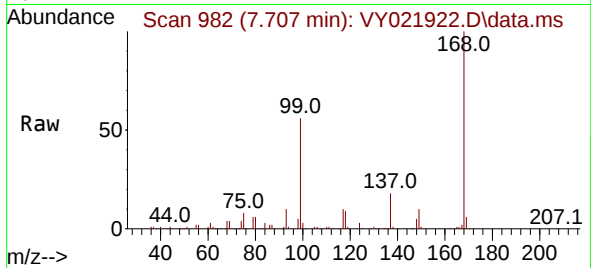




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

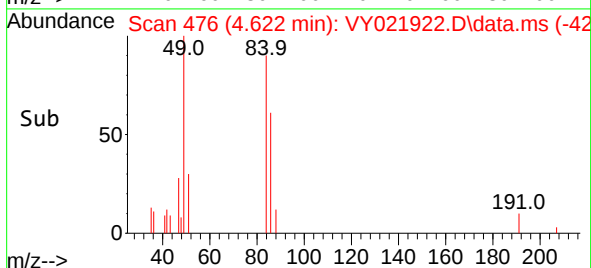
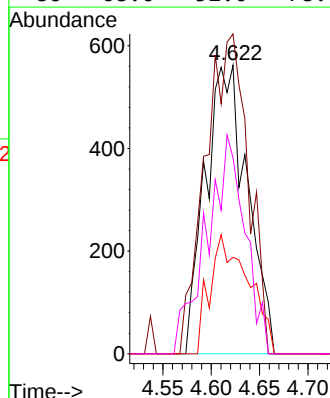
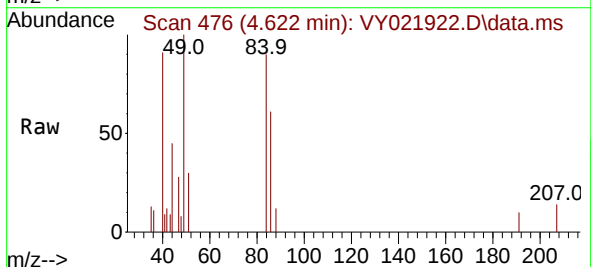
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1

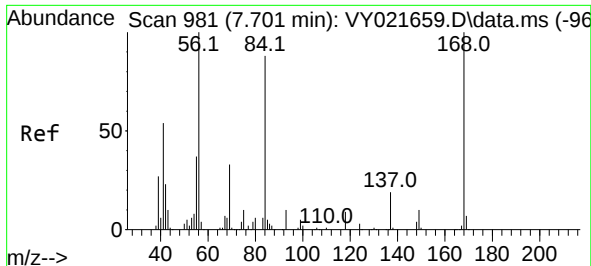
Tgt Ion:168 Resp: 218259  
Ion Ratio Lower Upper  
168 100  
99 56.3 46.7 70.1



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.622 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

Tgt Ion: 84 Resp: 1700  
Ion Ratio Lower Upper  
84 100  
49 110.9 102.8 154.2  
51 33.5 33.5 50.3#  
86 68.0 52.0 78.0

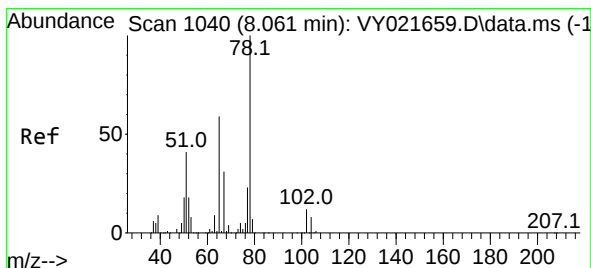
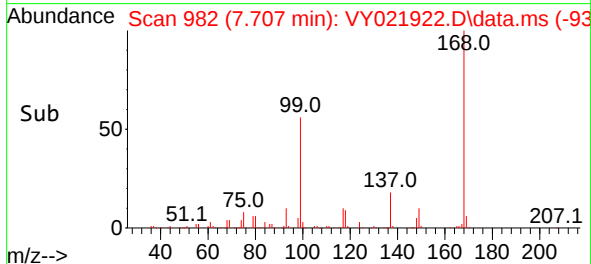
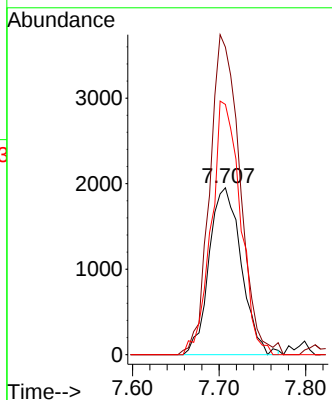
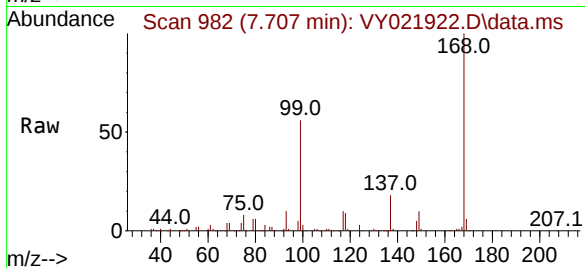




#31  
Cyclohexane  
Concen: 1.206 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

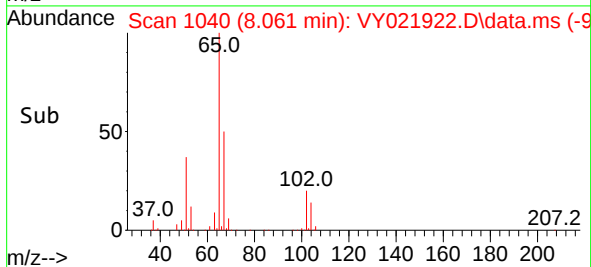
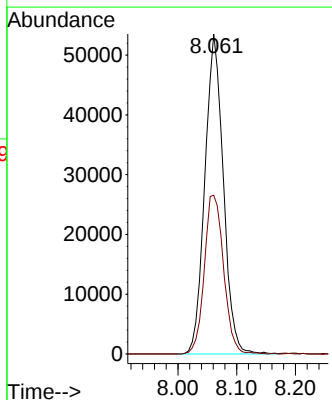
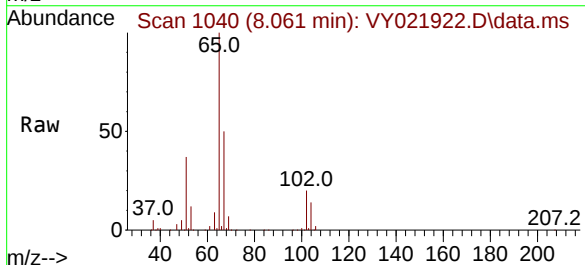
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1

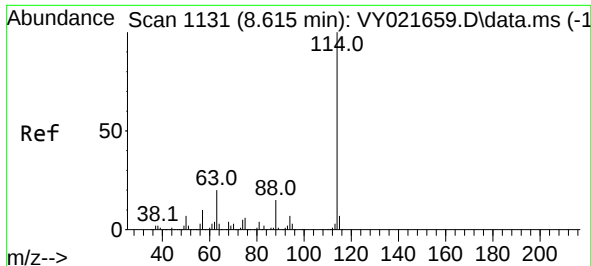
Tgt Ion: 56 Resp: 5034  
Ion Ratio Lower Upper  
56 100  
69 184.2 26.6 40.0#  
84 149.9 69.0 103.4#



#33  
1,2-Dichloroethane-d4  
Concen: 49.450 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

Tgt Ion: 65 Resp: 116938  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 104.6

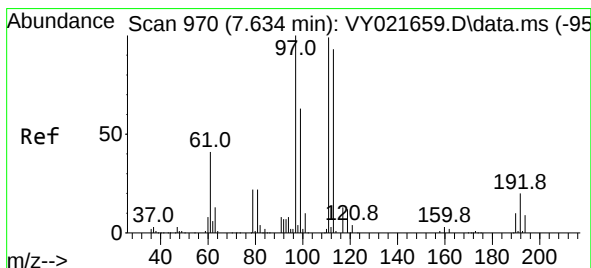
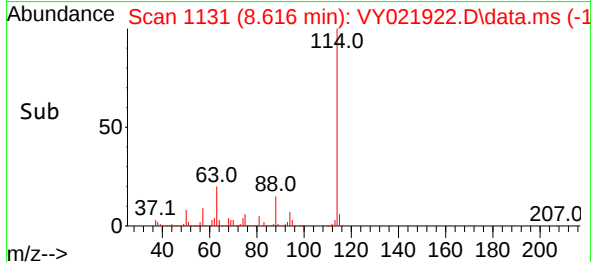
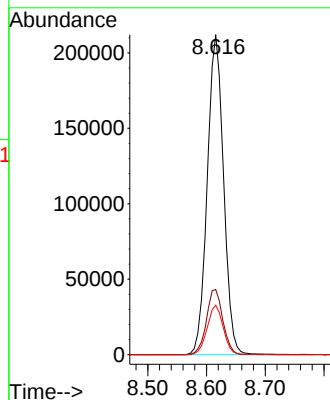
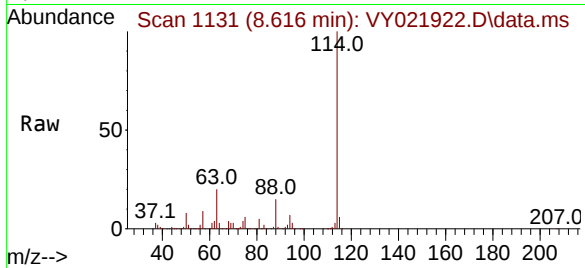




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

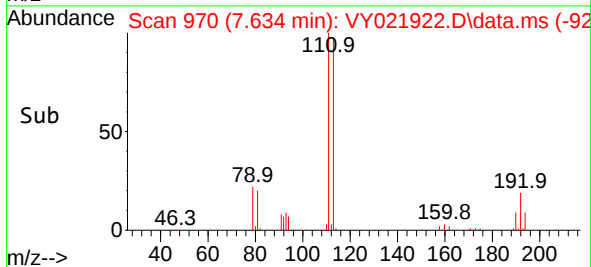
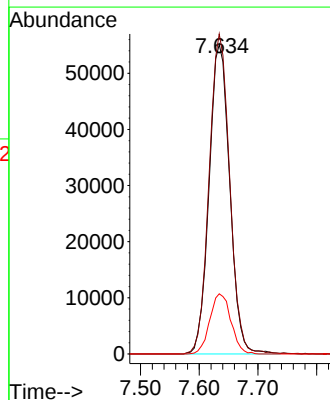
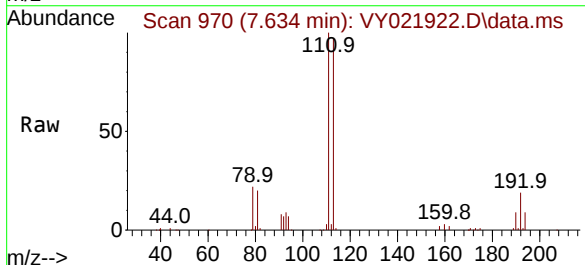
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1

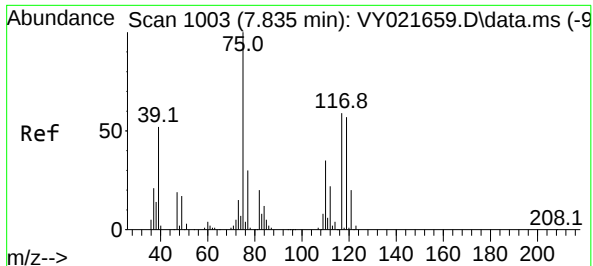
Tgt Ion:114 Resp: 409093  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 40.2  
88 15.5 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 50.676 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

Tgt Ion:113 Resp: 134481  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.6 123.8  
192 19.9 16.2 24.4

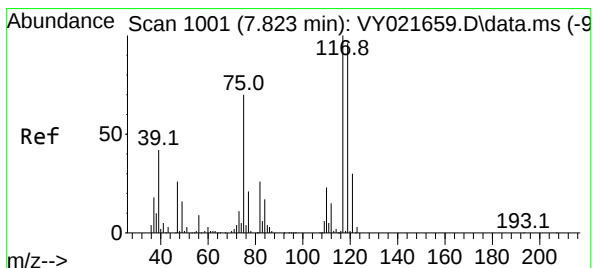
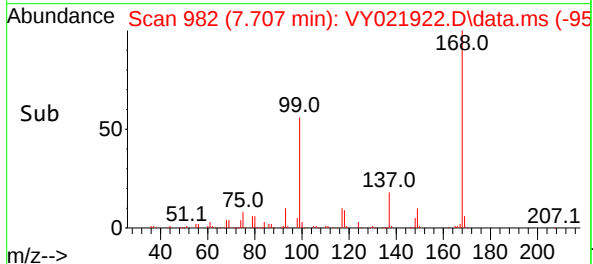
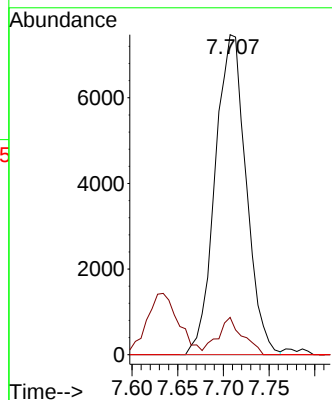
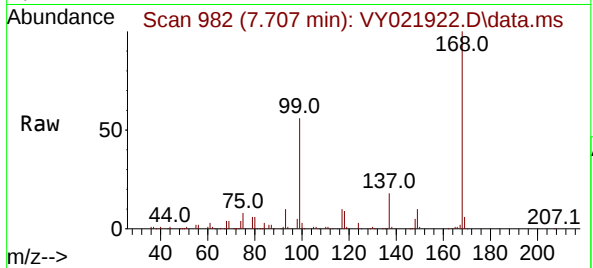




#36  
1,1-Dichloropropene  
Concen: 4.363 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

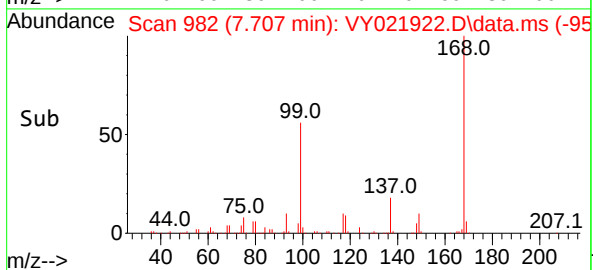
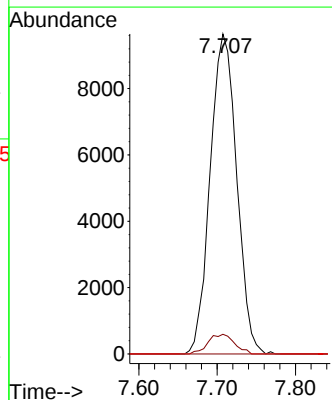
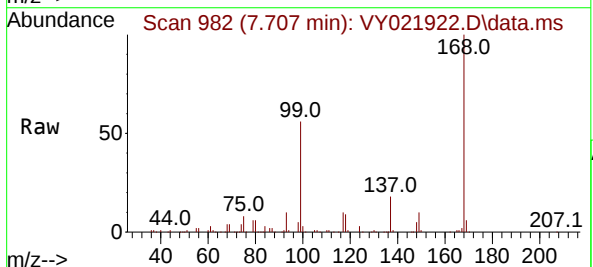
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1

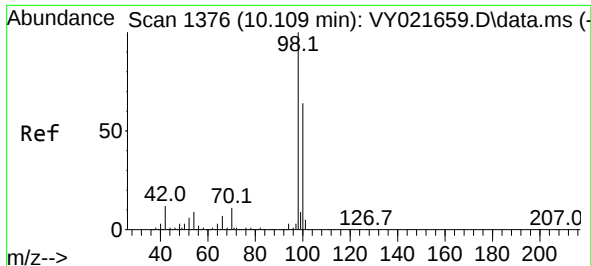
Tgt Ion: 75 Resp: 17634  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.0 50.9#  
77 0.0 24.8 37.2#



#38  
Carbon Tetrachloride  
Concen: 4.904 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.116 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

Tgt Ion: 117 Resp: 22701  
Ion Ratio Lower Upper  
117 100  
119 6.2 76.2 114.4#  
121 0.0 24.2 36.4#

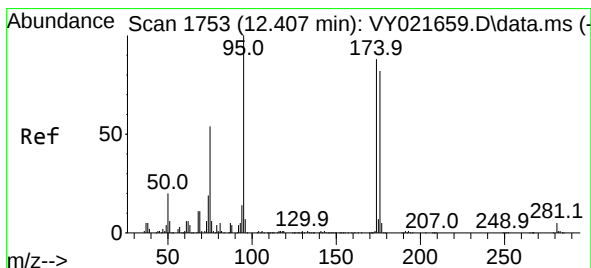
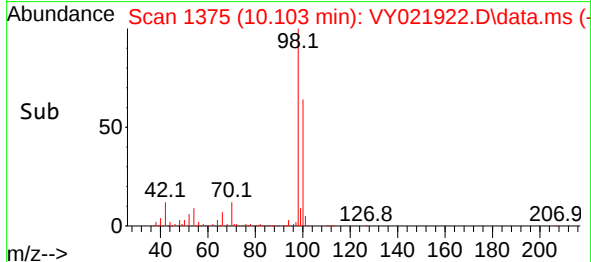
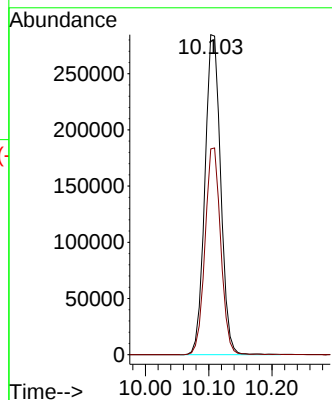
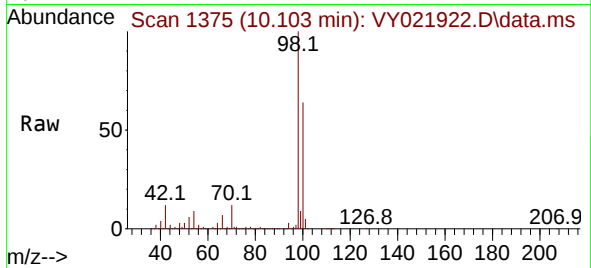




#50  
Toluene-d8  
Concen: 48.974 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

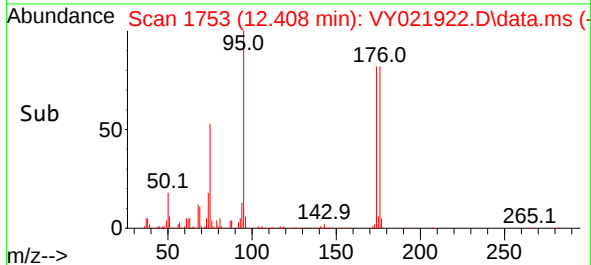
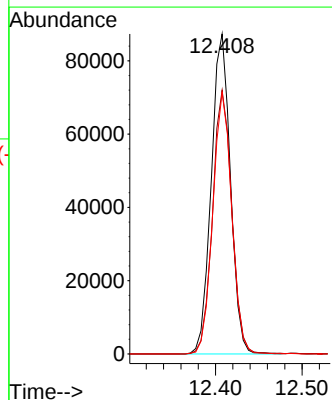
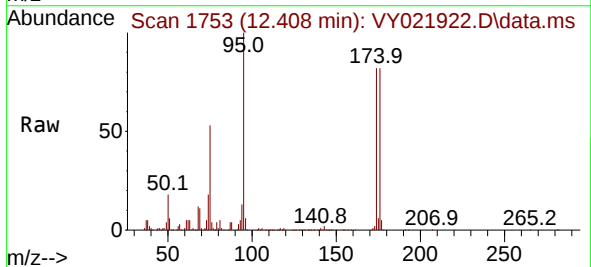
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1

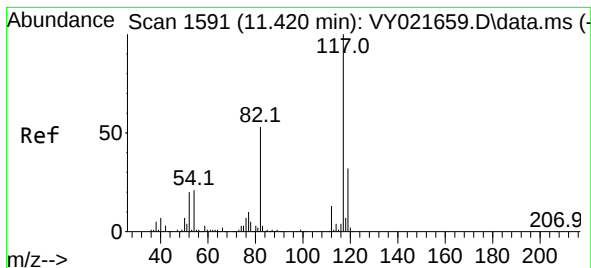
Tgt Ion: 98 Resp: 494421  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 39.259 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

Tgt Ion: 95 Resp: 134061  
Ion Ratio Lower Upper  
95 100  
174 82.8 0.0 170.8  
176 80.8 0.0 162.0

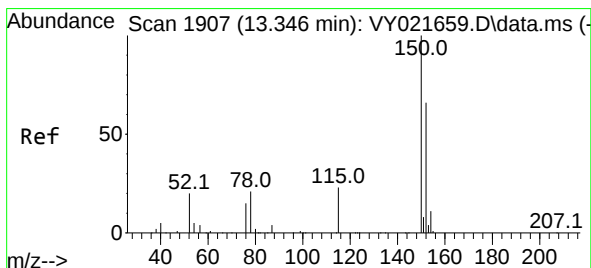
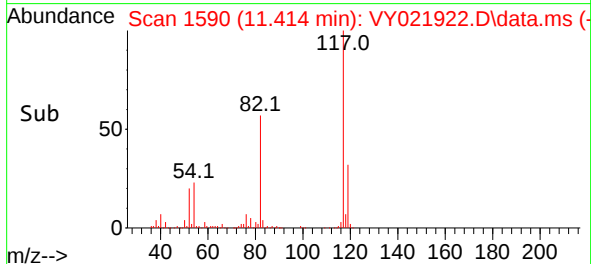
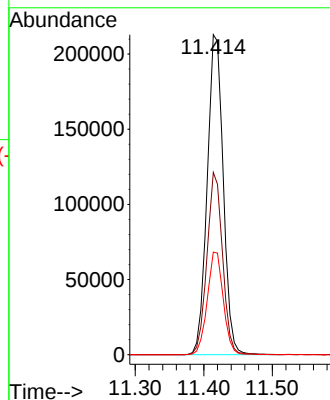
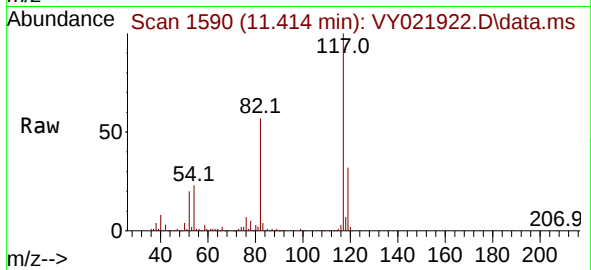




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

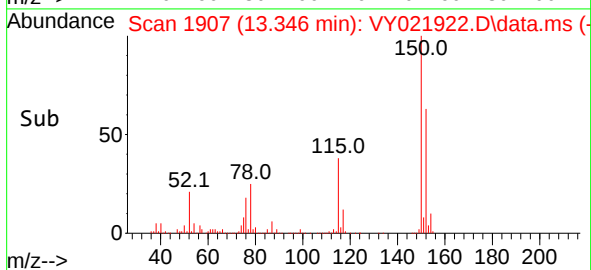
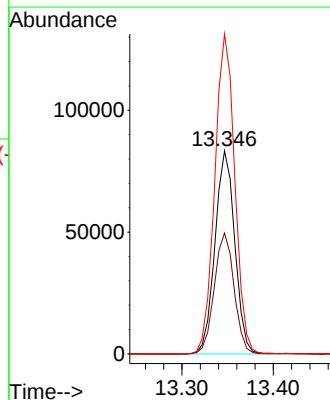
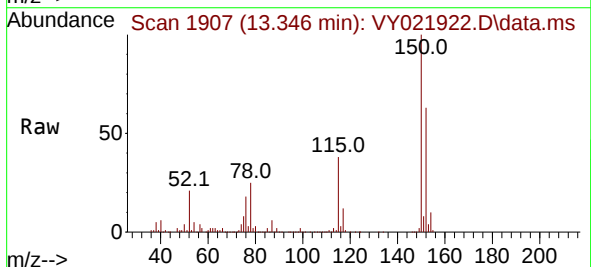
Instrument :  
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ClientSampleId :  
SOIL-1

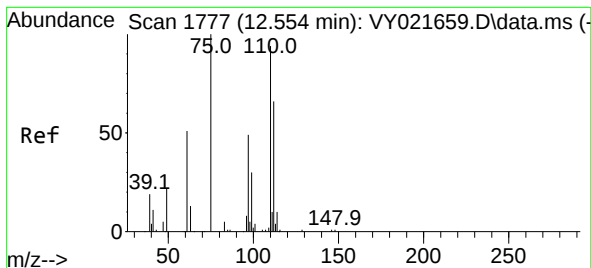
Tgt Ion:117 Resp: 347451  
Ion Ratio Lower Upper  
117 100  
82 56.9 42.8 64.2  
119 32.0 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY021922.D  
Acq: 18 Apr 2025 11:49

Tgt Ion:152 Resp: 125578  
Ion Ratio Lower Upper  
152 100  
115 59.5 28.8 86.5  
150 159.2 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 56.419 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021922.D

Acq: 18 Apr 2025 11:49

Instrument :

MSVOA\_Y

ClientSampleId :

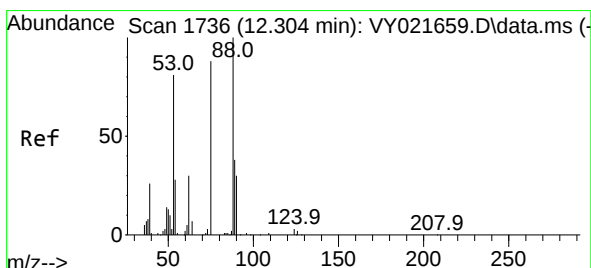
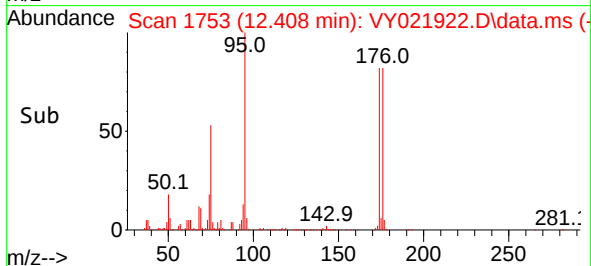
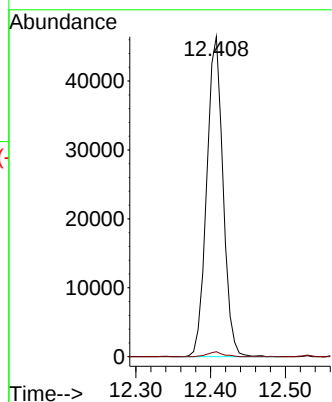
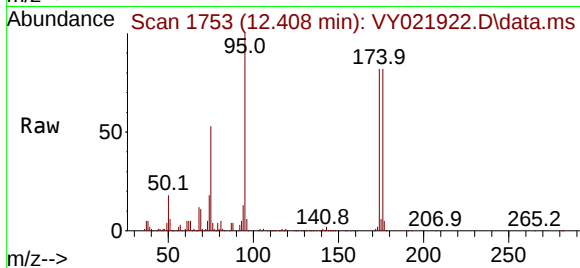
SOIL-1

Tgt Ion: 75 Resp: 70230

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.998 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021922.D

Acq: 18 Apr 2025 11:49

Tgt Ion: 75 Resp: 70230

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.2 54.4#

