

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051225\  
 Data File : VX046149.D  
 Acq On : 12 May 2025 19:26  
 Operator : JC/MD  
 Sample : Q2004-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SOIL-STOCK

Quant Time: May 13 03:23:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

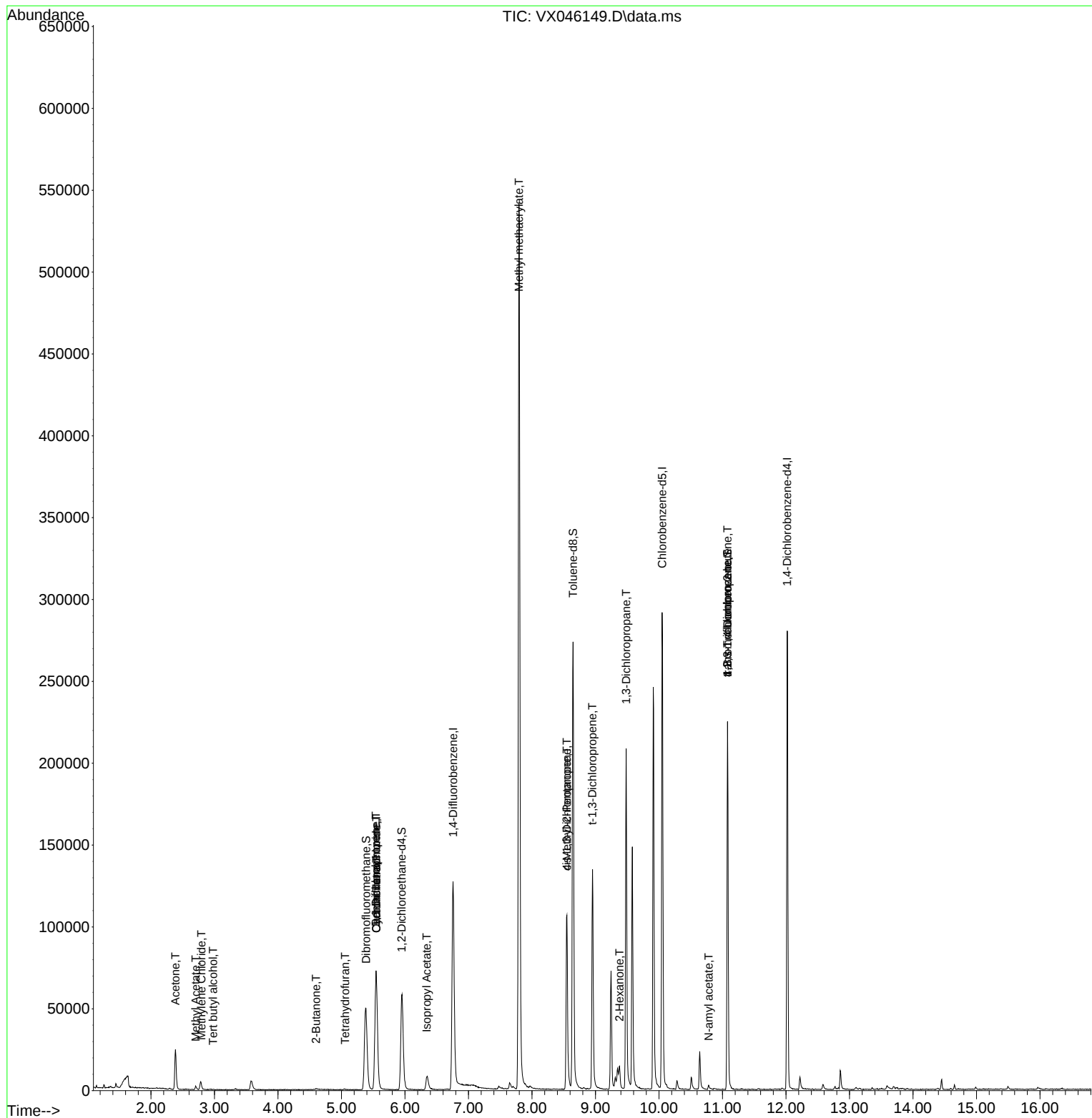
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 60204    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 121882   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 118844   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 51751    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 61646    | 54.924   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 109.840% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 44850    | 51.101   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 102.200% |          |
| 50) Toluene-d8                | 8.647  | 98    | 157367   | 51.804   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 103.600% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 60392    | 51.828   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 103.660% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.977  | 59    | 173      | 1.098    | ug/l #     | 72       |
| 16) Acetone                   | 2.386  | 43    | 26524    | 58.939   | ug/l       | 98       |
| 18) Methyl Acetate            | 2.703  | 43    | 2319     | 2.221    | ug/l       | 99       |
| 20) Methylene Chloride        | 2.794  | 84    | 2408     | 2.792    | ug/l #     | 58       |
| 25) 2-Butanone                | 4.599  | 43    | 1359     | 2.080    | ug/l       | 92       |
| 29) Tetrahydrofuran           | 5.056  | 42    | 338      | 0.826    | ug/l #     | 40       |
| 31) Cyclohexane               | 5.550  | 56    | 1738     | 1.299    | ug/l #     | 30       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 6289     | 5.333    | ug/l #     | 53       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 7466     | 5.635    | ug/l #     | 18       |
| 43) Isopropyl Acetate         | 6.342  | 43    | 13378    | 6.019    | ug/l       | 94       |
| 48) Methyl methacrylate       | 7.793  | 41    | 53338    | 46.988   | ug/l #     | 50       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 42891    | 29.071   | ug/l #     | 51       |
| 53) t-1,3-Dichloropropene     | 8.952  | 75    | 249      | 0.210    | ug/l #     | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 16467    | 12.563   | ug/l #     | 61       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 1665     | 1.110    | ug/l #     | 42       |
| 59) 2-Hexanone                | 9.378  | 43    | 13592    | 12.452   | ug/l #     | 28       |
| 74) N-amyl acetate            | 10.781 | 43    | 1544     | 0.776    | ug/l #     | 48       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 34963    | 28.068   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 34963    | 91.379   | ug/l #     | 1        |
| -----                         |        |       |          |          |            |          |

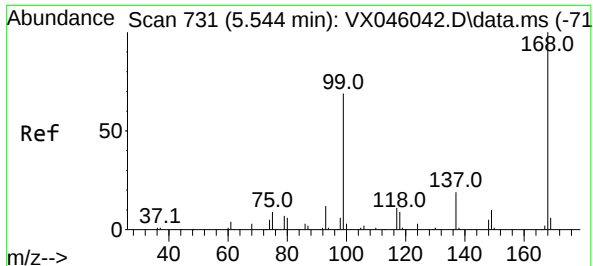
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
SOIL-STOCK

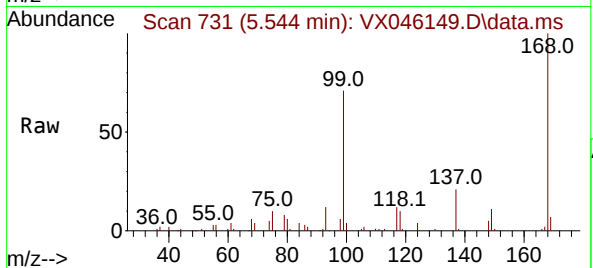
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
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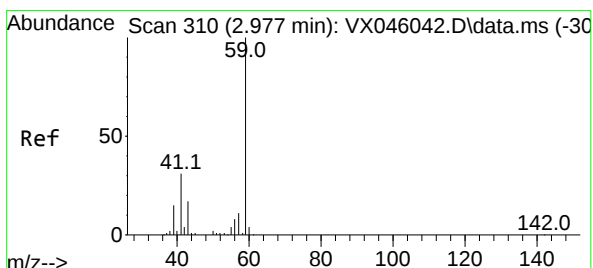
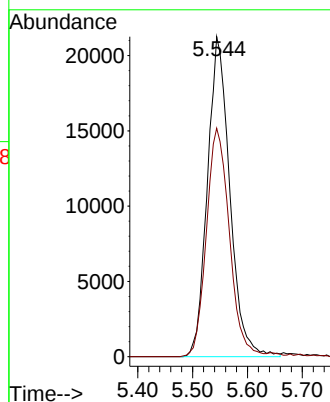
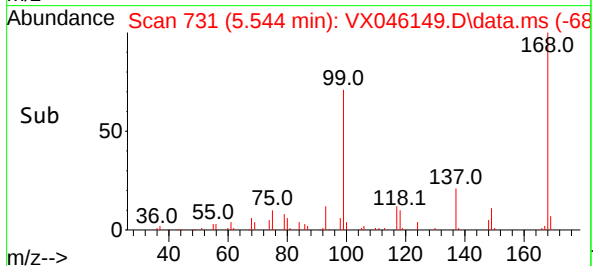


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.000 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-STOCK

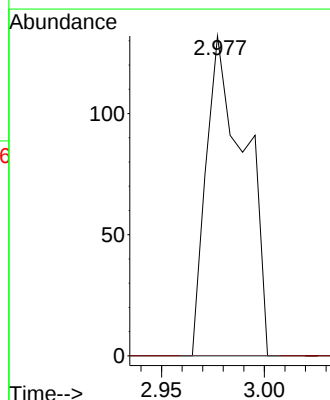
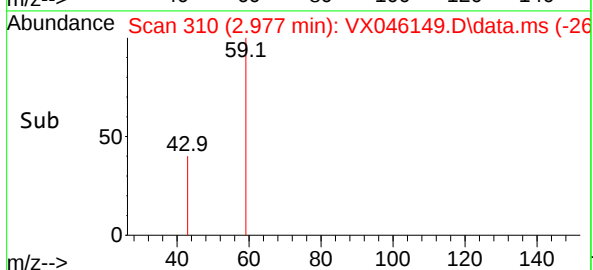
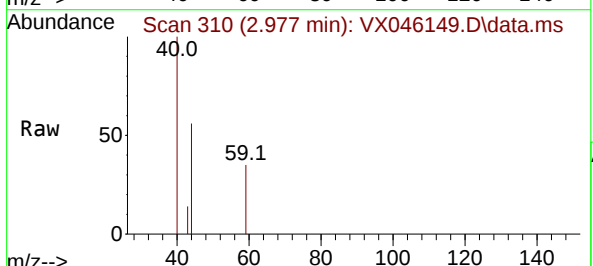


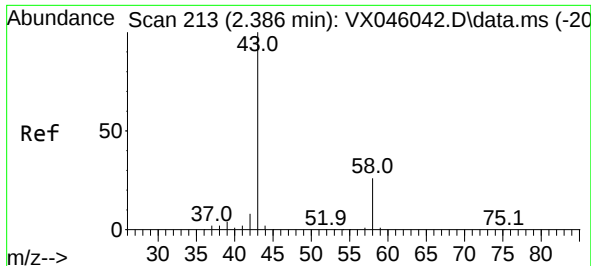
Tgt Ion:168 Resp: 60204  
Ion Ratio Lower Upper  
168 100  
99 71.4 54.9 82.3



#11  
Tert butyl alcohol  
Concen: 1.098 ug/l  
RT: 2.977 min Scan# 310  
Delta R.T. 0.000 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Tgt Ion: 59 Resp: 173  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#

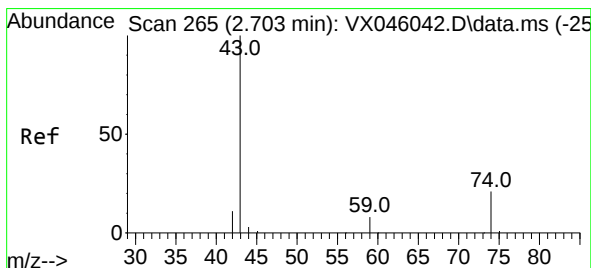
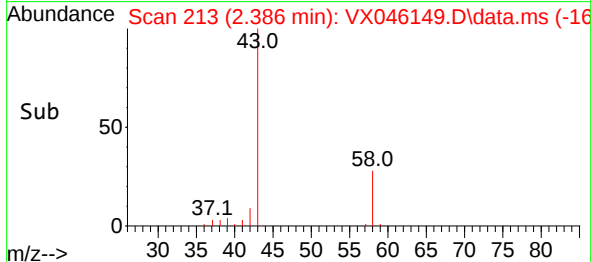
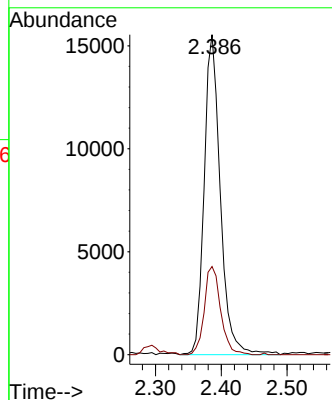
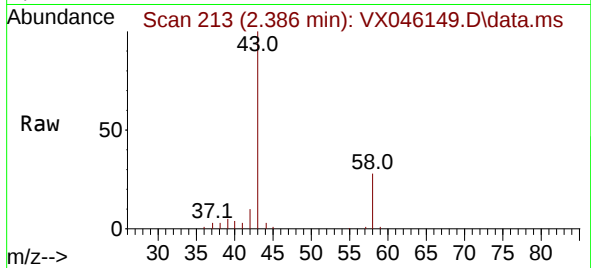




#16  
Acetone  
Concen: 58.939 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

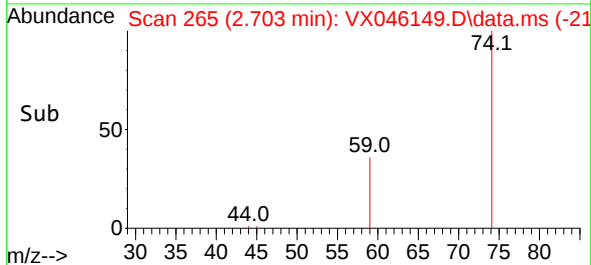
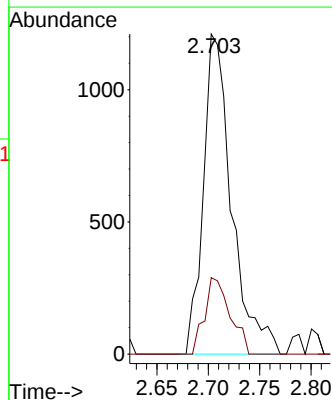
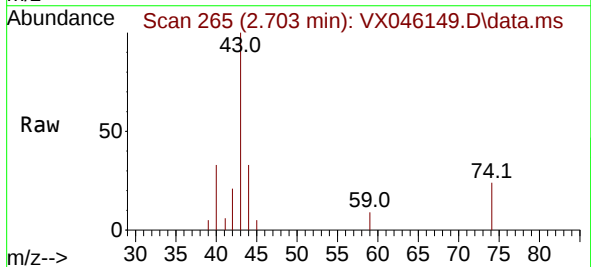
Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-STOCK

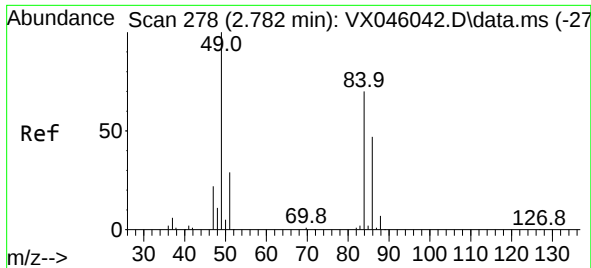
Tgt Ion: 43 Resp: 26524  
Ion Ratio Lower Upper  
43 100  
58 27.6 21.2 31.8



#18  
Methyl Acetate  
Concen: 2.221 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. 0.000 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Tgt Ion: 43 Resp: 2319  
Ion Ratio Lower Upper  
43 100  
74 21.5 16.7 25.1

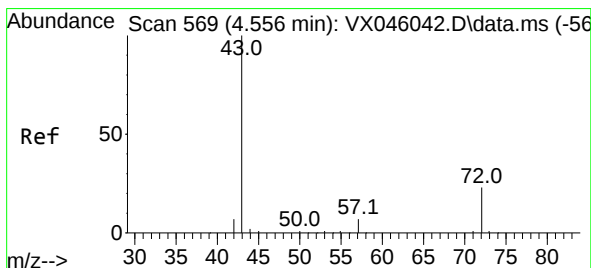
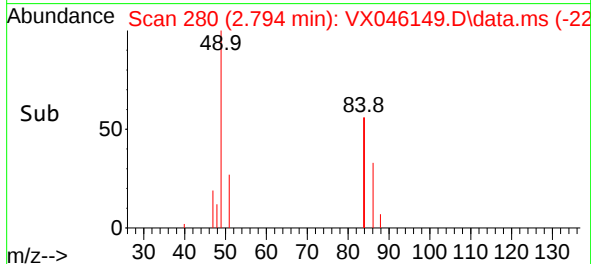
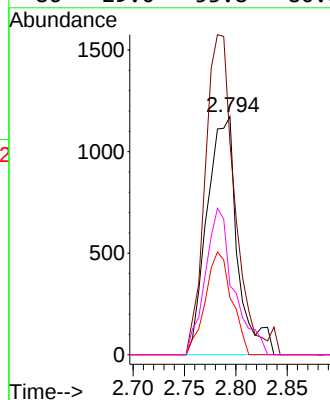
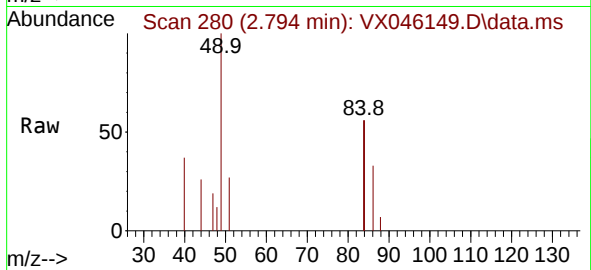




#20  
Methylene Chloride  
Concen: 2.792 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

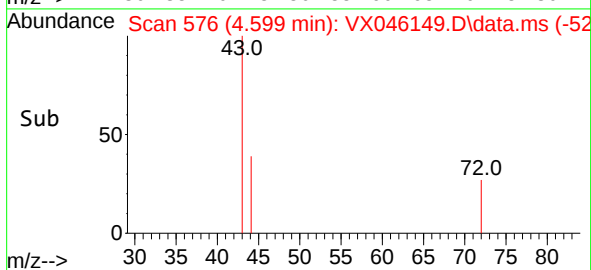
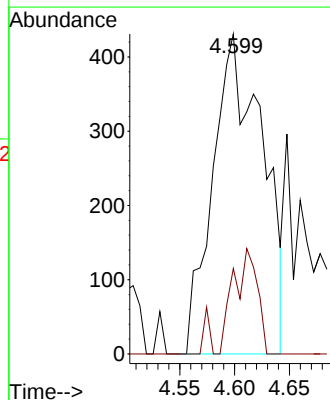
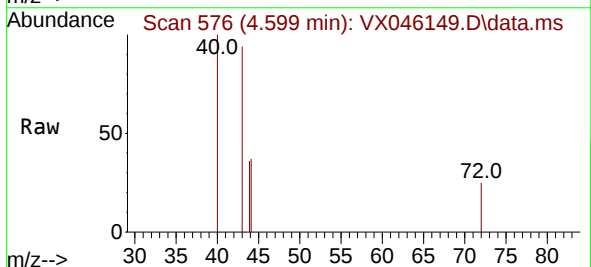
Instrument :  
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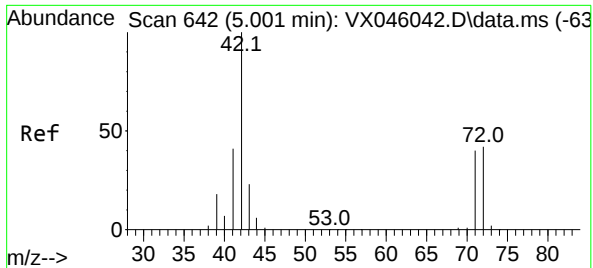
Tgt Ion: 84 Resp: 2408  
Ion Ratio Lower Upper  
84 100  
49 89.1 113.9 170.9#  
51 24.0 33.5 50.3#  
86 29.0 53.8 80.8#



#25  
2-Butanone  
Concen: 2.080 ug/l  
RT: 4.599 min Scan# 576  
Delta R.T. 0.043 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Tgt Ion: 43 Resp: 1359  
Ion Ratio Lower Upper  
43 100  
72 26.7 18.4 27.6

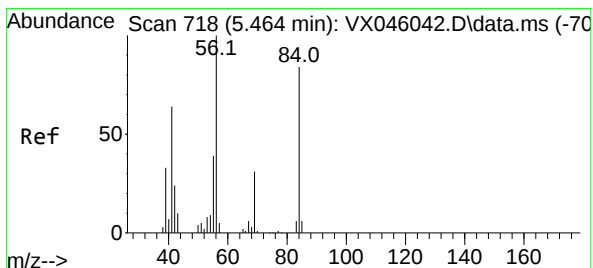
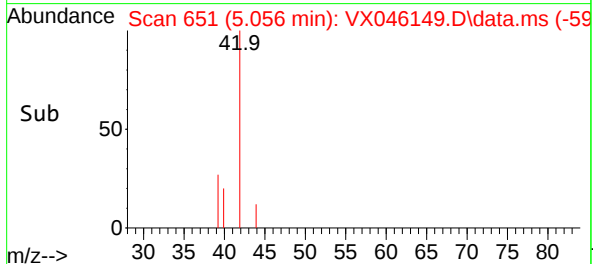
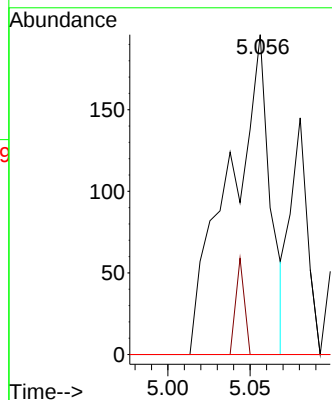
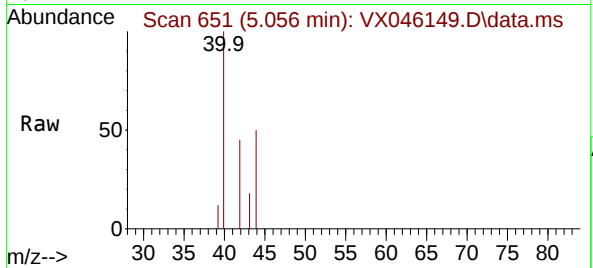




#29  
Tetrahydrofuran  
Concen: 0.826 ug/l  
RT: 5.056 min Scan# 61  
Delta R.T. 0.055 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

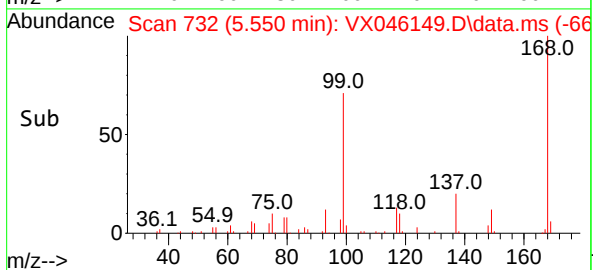
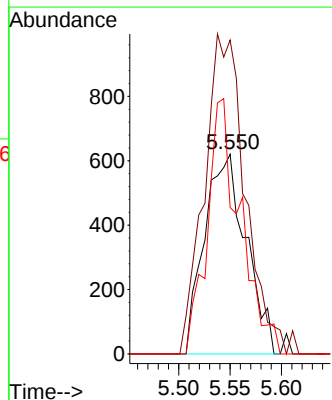
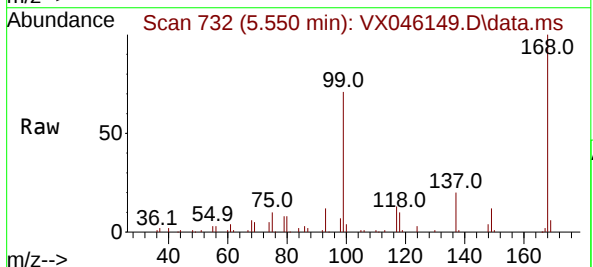
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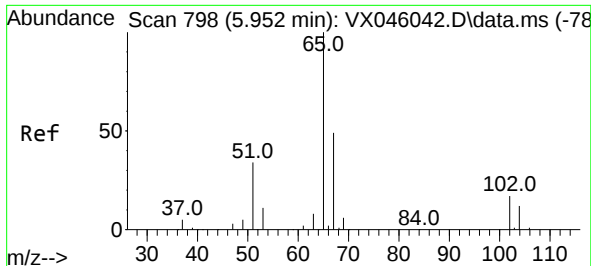
Tgt Ion: 42 Resp: 338  
Ion Ratio Lower Upper  
42 100  
72 6.5 33.7 50.5#  
71 0.0 31.4 47.2#



#31  
Cyclohexane  
Concen: 1.299 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.085 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Tgt Ion: 56 Resp: 1738  
Ion Ratio Lower Upper  
56 100  
69 157.3 24.4 36.6#  
84 73.4 66.9 100.3

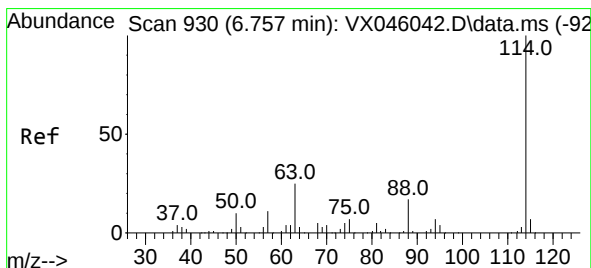
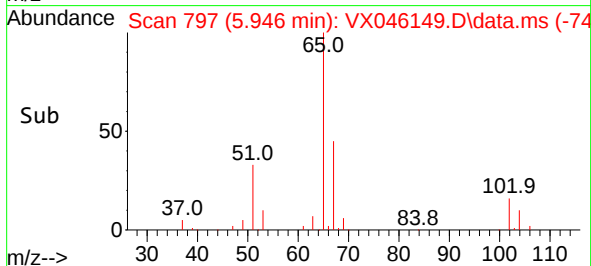
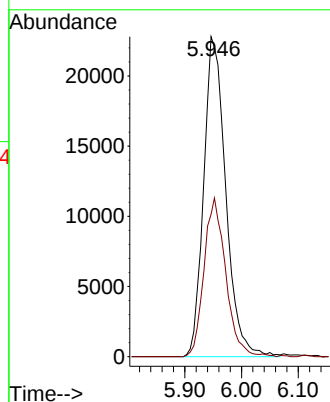
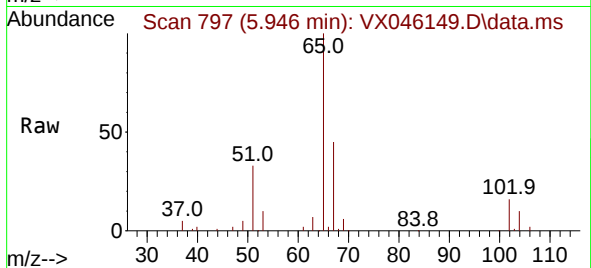




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.924 ug/l  
 RT: 5.946 min Scan# 798  
 Delta R.T. -0.006 min  
 Lab File: VX046149.D  
 Acq: 12 May 2025 19:26

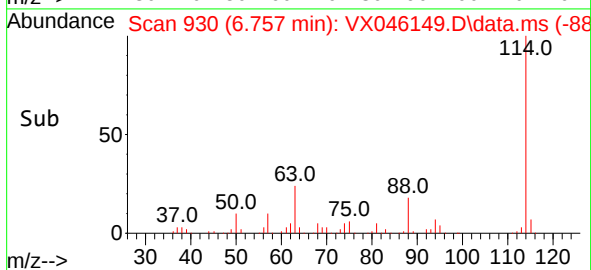
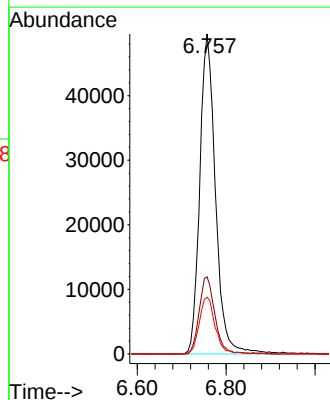
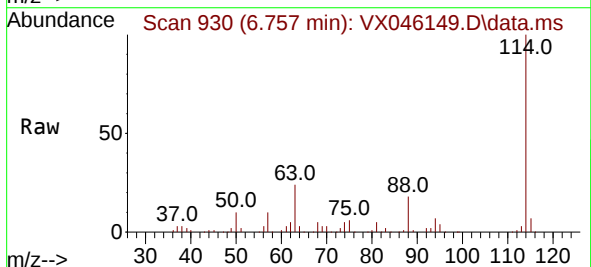
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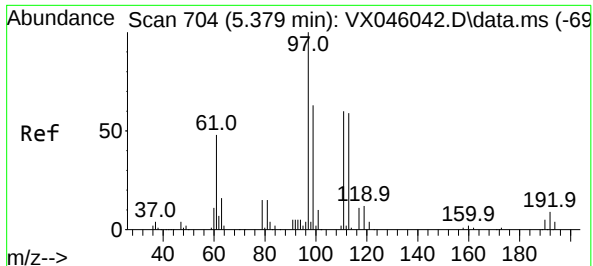
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 Ion Ratio Lower Upper  
 65 100  
 67 48.7 0.0 99.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. 0.000 min  
 Lab File: VX046149.D  
 Acq: 12 May 2025 19:26

Tgt Ion: 114 Resp: 121882  
 Ion Ratio Lower Upper  
 114 100  
 63 24.1 0.0 49.2  
 88 17.7 0.0 33.6

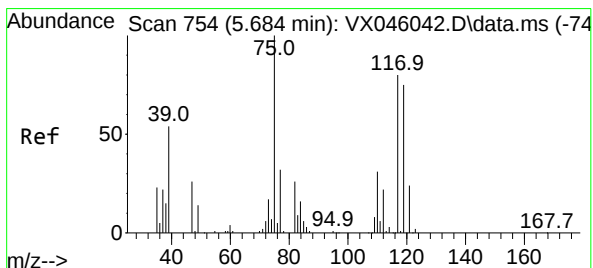
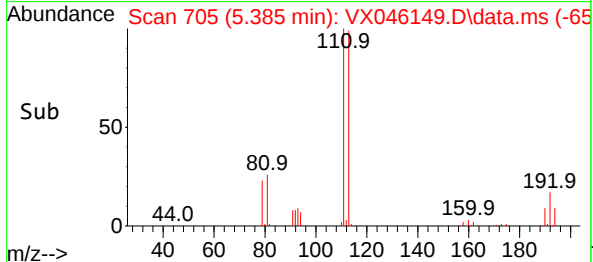
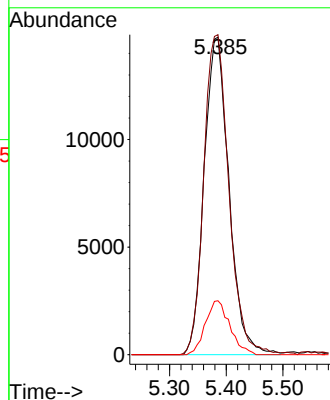
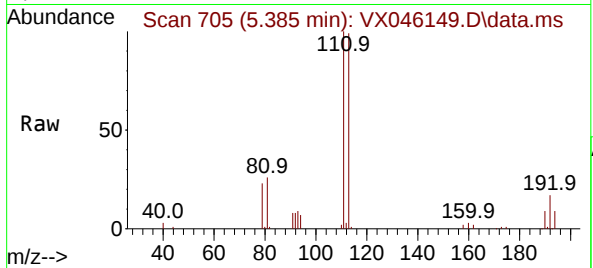




#35  
Dibromofluoromethane  
Concen: 51.101 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

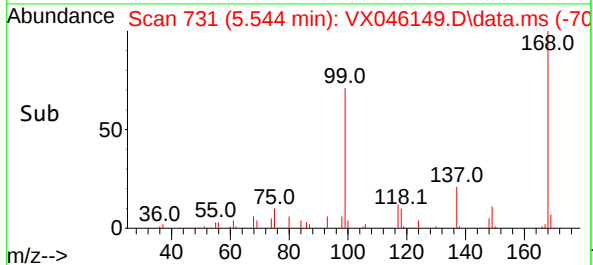
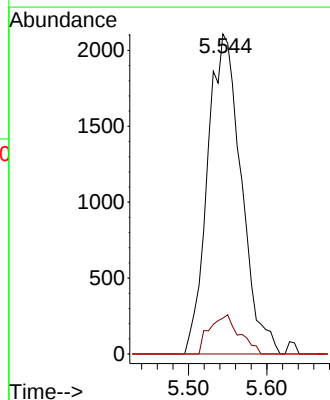
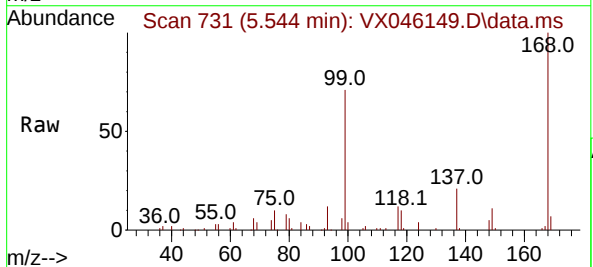
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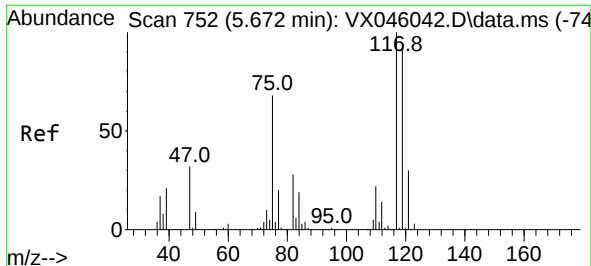
Tgt Ion:113 Resp: 44850  
Ion Ratio Lower Upper  
113 100  
111 101.7 83.1 124.7  
192 16.7 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 5.333 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.140 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

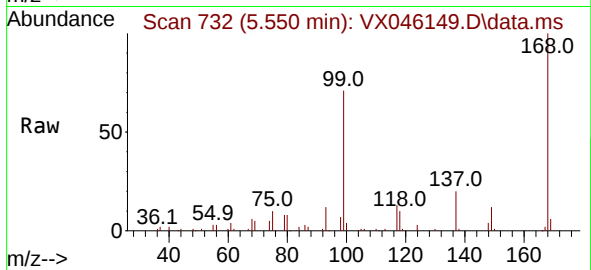
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Ion Ratio Lower Upper  
75 100  
110 10.9 16.3 48.9#  
77 0.0 24.3 36.5#



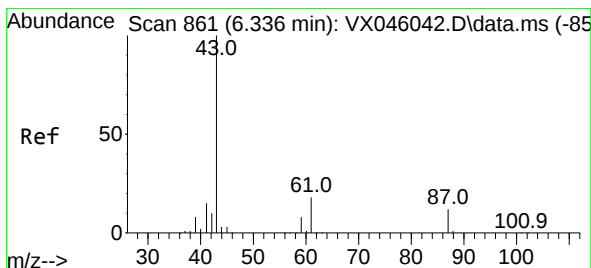
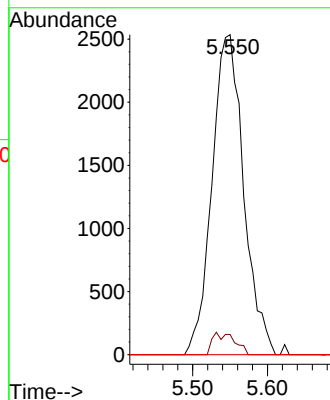
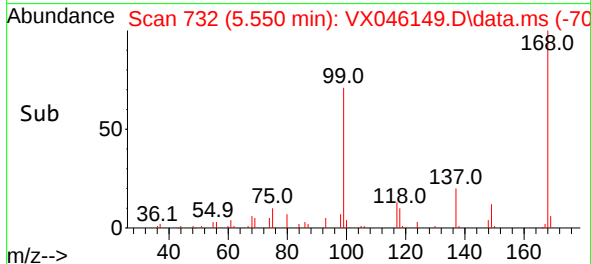


#38  
Carbon Tetrachloride  
Concen: 5.635 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

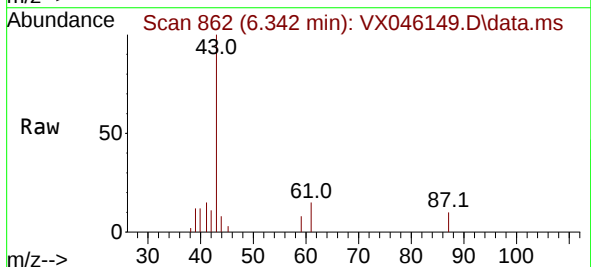
Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-STOCK



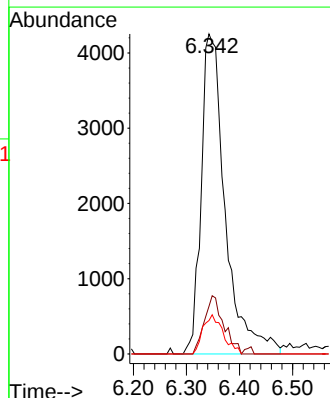
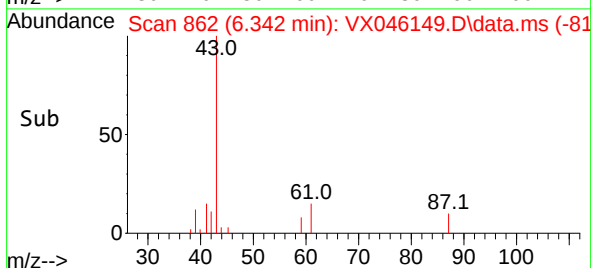
Tgt Ion:117 Resp: 7466  
Ion Ratio Lower Upper  
117 100  
119 6.3 75.2 112.8#  
121 0.0 24.2 36.4#

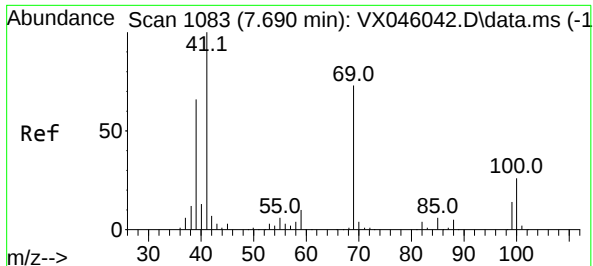


#43  
Isopropyl Acetate  
Concen: 6.019 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.006 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26



Tgt Ion: 43 Resp: 13378  
Ion Ratio Lower Upper  
43 100  
61 14.6 14.3 21.5  
87 10.3 9.5 14.3

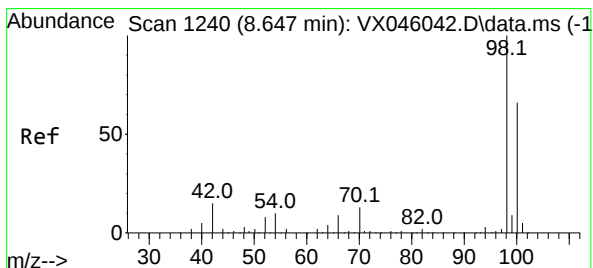
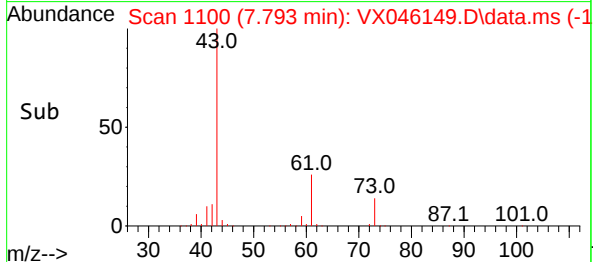
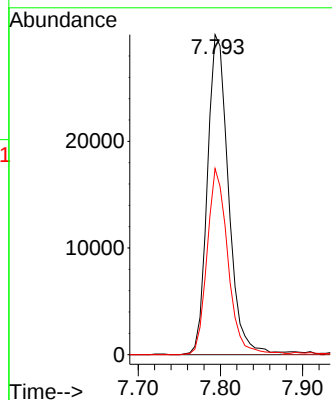
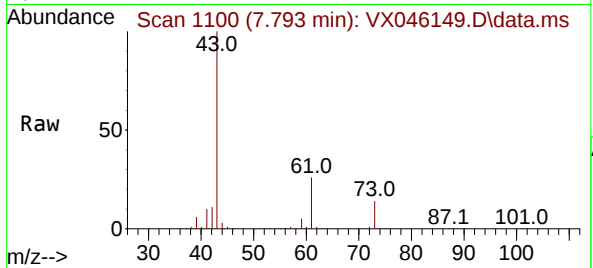




#48  
Methyl methacrylate  
Concen: 46.988 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.104 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

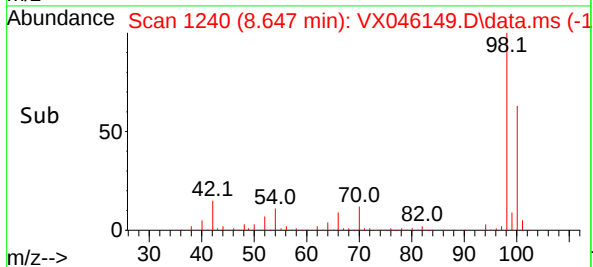
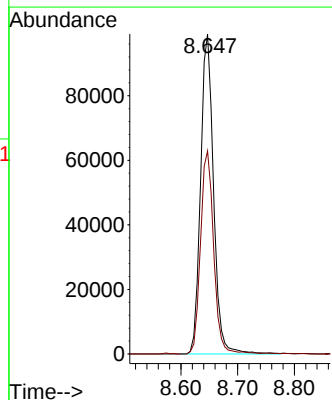
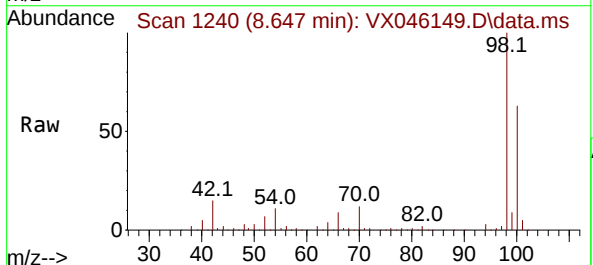
Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-STOCK

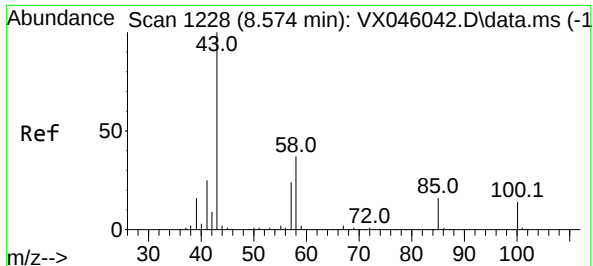
Tgt Ion: 41 Resp: 53338  
Ion Ratio Lower Upper  
41 100  
69 0.0 58.5 87.7#  
39 57.7 51.7 77.5



#50  
Toluene-d8  
Concen: 51.804 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Tgt Ion: 98 Resp: 157367  
Ion Ratio Lower Upper  
98 100  
100 64.3 53.5 80.3

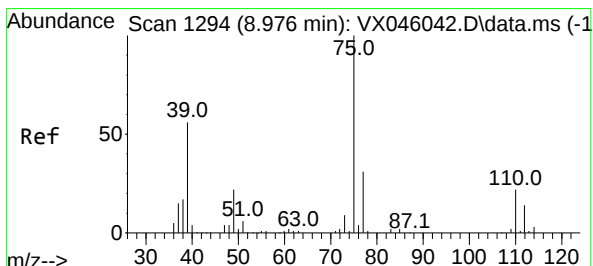
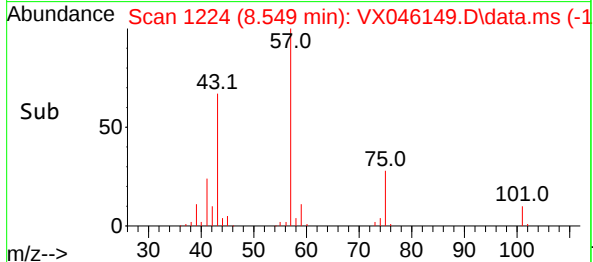
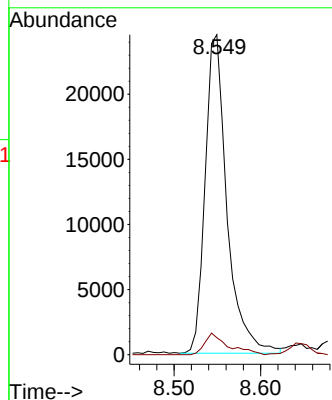
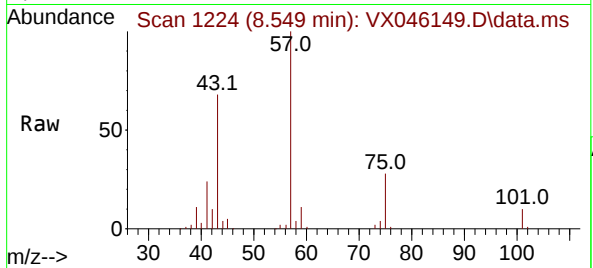




#51  
4-Methyl-2-Pentanone  
Concen: 29.071 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

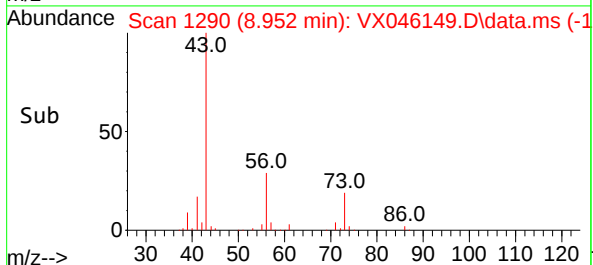
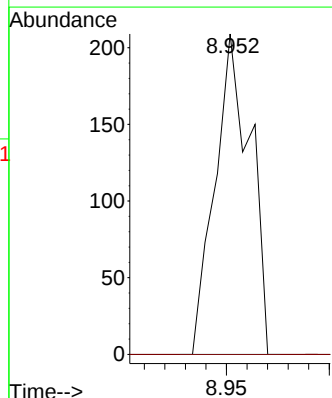
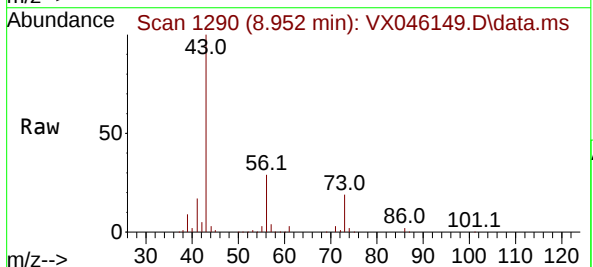
Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-STOCK

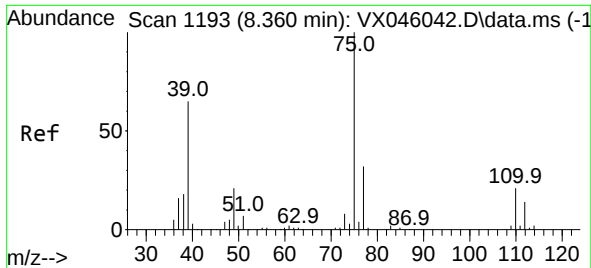
Tgt Ion: 43 Resp: 42891  
Ion Ratio Lower Upper  
43 100  
58 7.2 28.9 43.3#



#53  
t-1,3-Dichloropropene  
Concen: 0.210 ug/l  
RT: 8.952 min Scan# 1290  
Delta R.T. -0.024 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Tgt Ion: 75 Resp: 249  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.0 37.6#

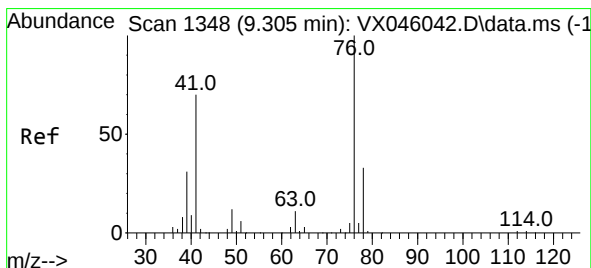
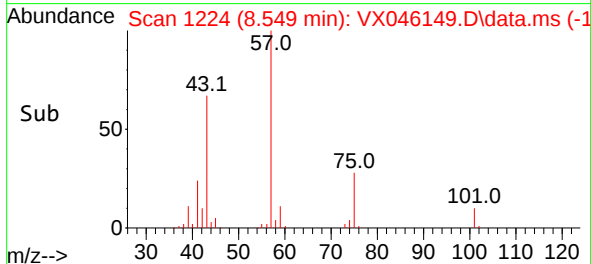
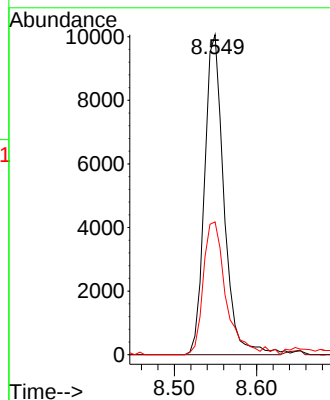
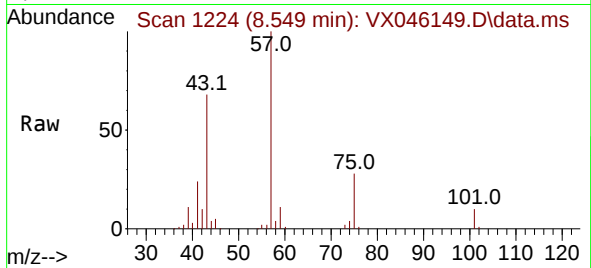




#54  
 cis-1,3-Dichloropropene  
 Concen: 12.563 ug/l  
 RT: 8.549 min Scan# 1193  
 Delta R.T. 0.189 min  
 Lab File: VX046149.D  
 Acq: 12 May 2025 19:26

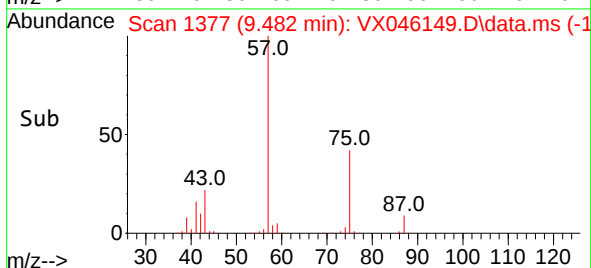
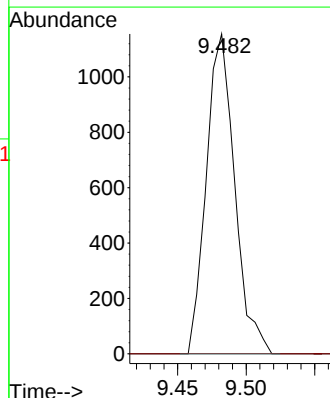
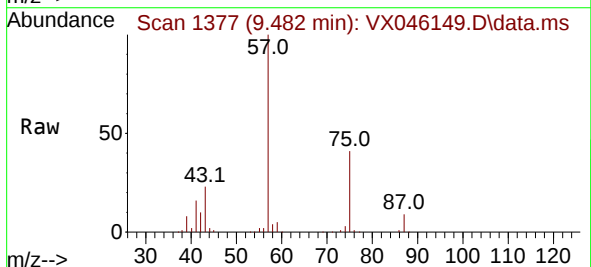
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SOIL-STOCK

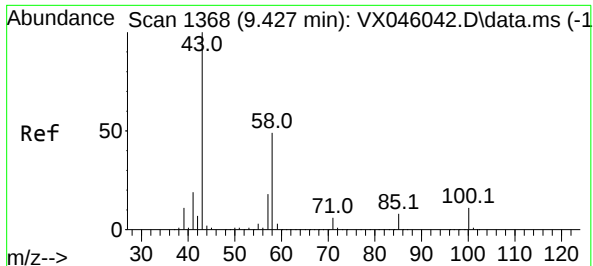
Tgt Ion: 75 Resp: 16467  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.4 38.0#  
 39 41.5 52.2 78.4#



#57  
 1,3-Dichloropropane  
 Concen: 1.110 ug/l  
 RT: 9.482 min Scan# 1377  
 Delta R.T. 0.177 min  
 Lab File: VX046149.D  
 Acq: 12 May 2025 19:26

Tgt Ion: 76 Resp: 1665  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.3 39.5#

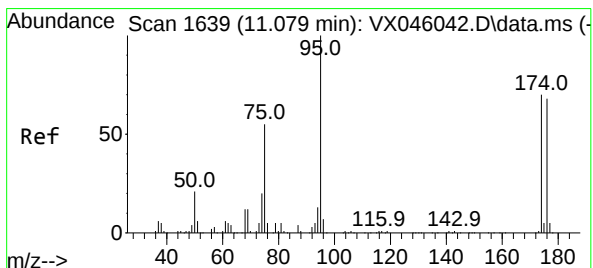
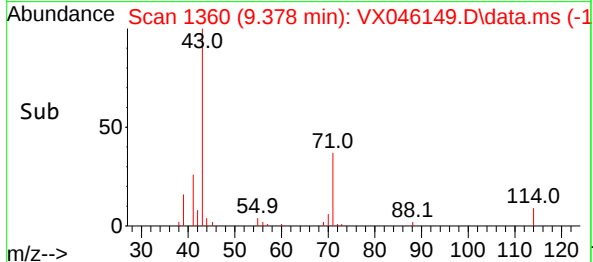
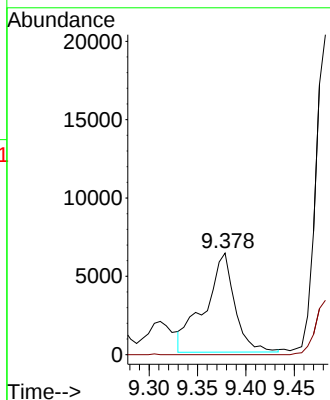
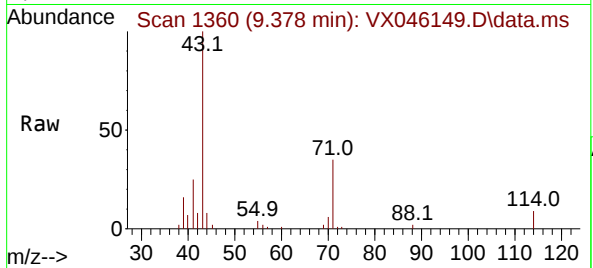




#59  
2-Hexanone  
Concen: 12.452 ug/l  
RT: 9.378 min Scan# 1360  
Delta R.T. -0.049 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

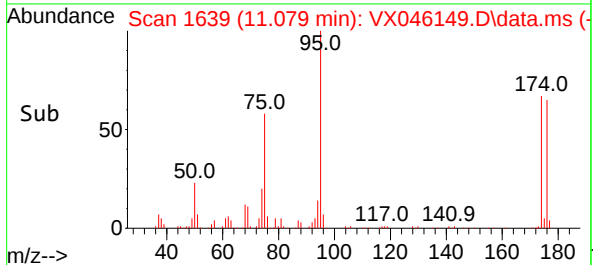
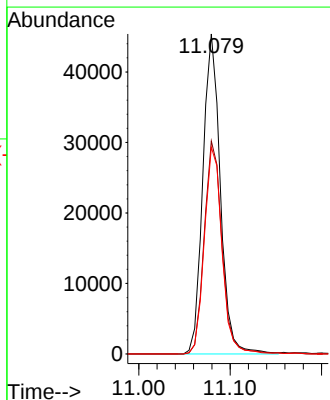
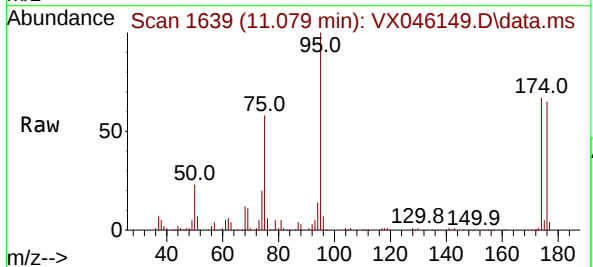
Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-STOCK

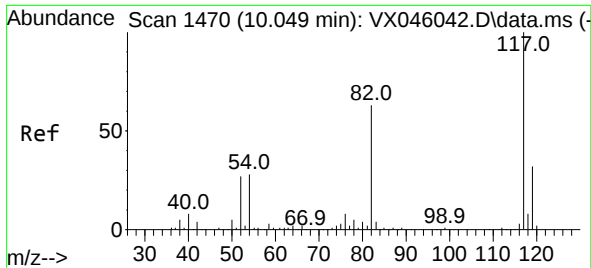
Tgt Ion: 43 Resp: 13592  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.9 74.6#



#62  
4-Bromofluorobenzene  
Concen: 51.828 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Tgt Ion: 95 Resp: 60392  
Ion Ratio Lower Upper  
95 100  
174 67.5 0.0 135.8  
176 65.2 0.0 131.4

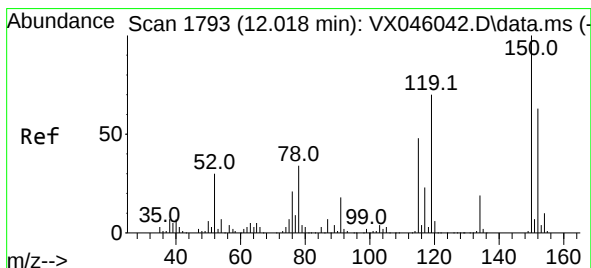
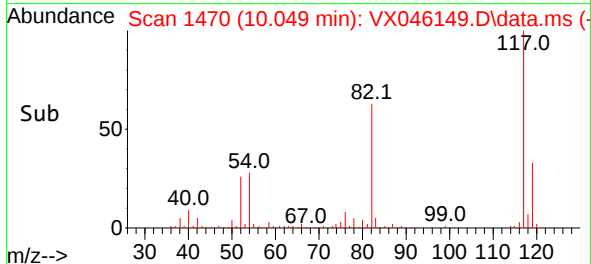
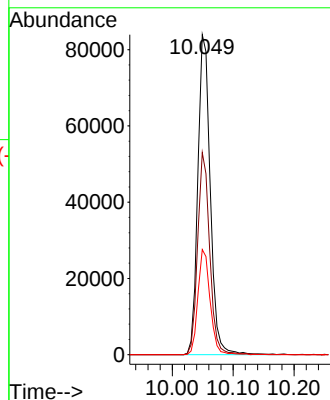
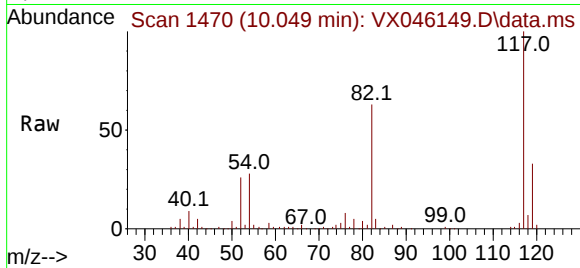




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

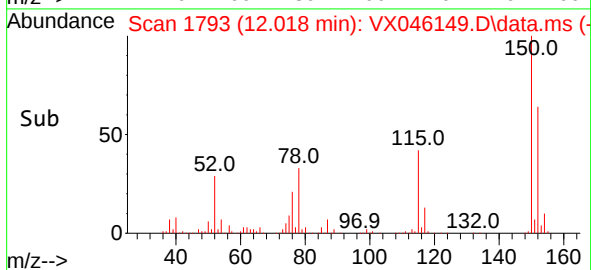
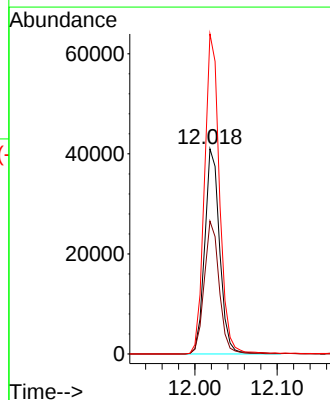
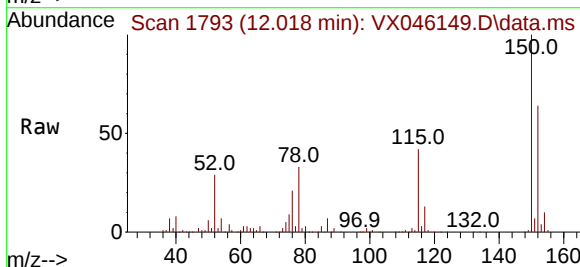
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ClientSampleId :  
SOIL-STOCK

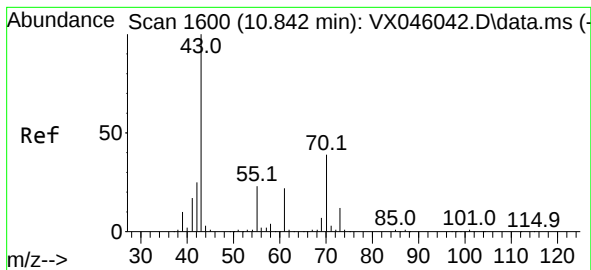
Tgt Ion:117 Resp: 118844  
Ion Ratio Lower Upper  
117 100  
82 63.2 50.6 76.0  
119 32.9 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX046149.D  
Acq: 12 May 2025 19:26

Tgt Ion:152 Resp: 51751  
Ion Ratio Lower Upper  
152 100  
115 64.8 46.9 140.7  
150 157.1 0.0 351.0





#74

N-amy1 acetate

Concen: 0.776 ug/l

RT: 10.781 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX046149.D

Acq: 12 May 2025 19:26

Instrument :

MSVOA\_X

ClientSampleId :

SOIL-STOCK

Tgt Ion: 43 Resp: 1544

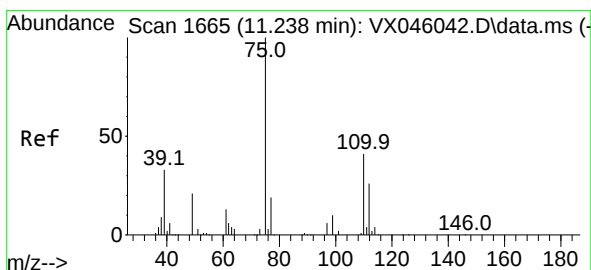
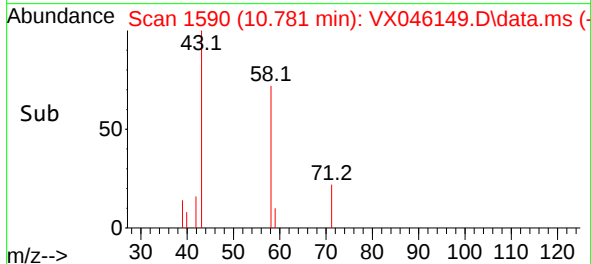
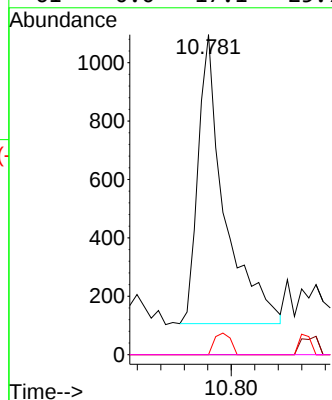
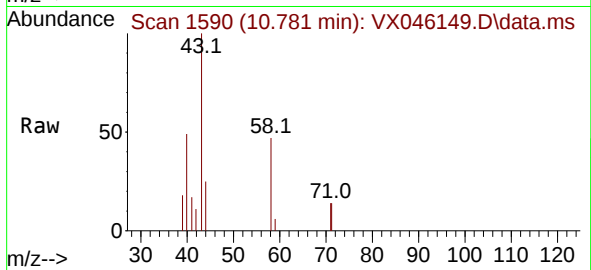
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 4.6 18.7 28.1#

61 0.0 17.1 25.7#



#76

1,2,3-Trichloropropane

Concen: 28.068 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX046149.D

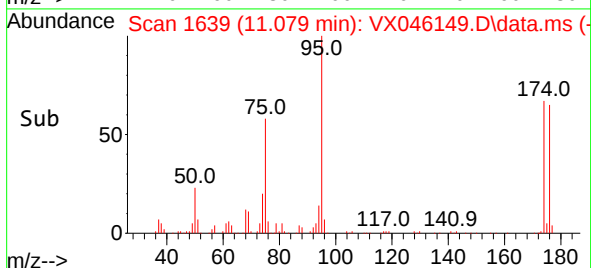
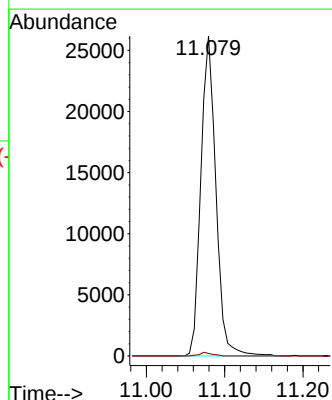
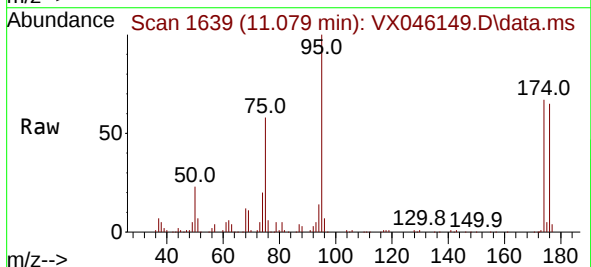
Acq: 12 May 2025 19:26

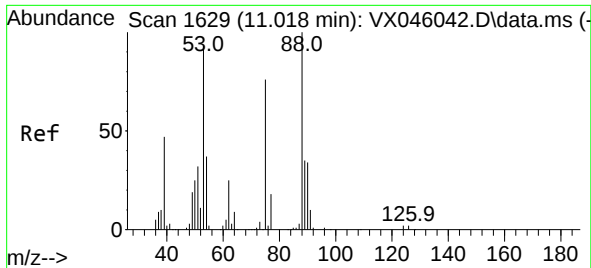
Tgt Ion: 75 Resp: 34963

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 91.379 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX046149.D  
 Acq: 12 May 2025 19:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SOIL-STOCK

Tgt Ion: 75 Resp: 34963  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 100.5 150.7#  
 89 0.0 37.0 55.6#

