

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042525\  
 Data File : VX045938.D  
 Acq On : 25 Apr 2025 13:00  
 Operator : JC/MD  
 Sample : Q1888-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Apr 25 23:01:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

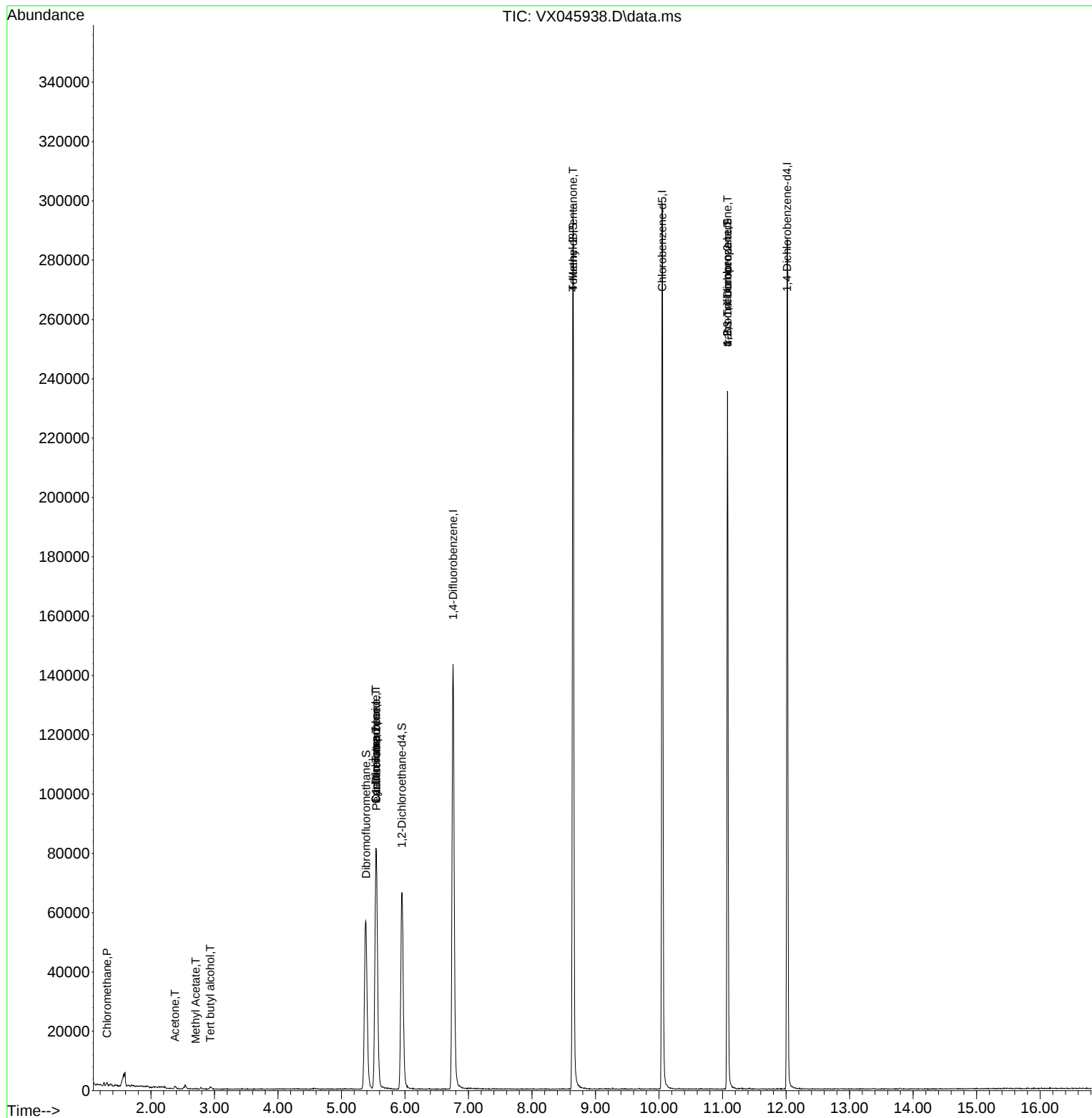
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 69029               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 138167              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049         | 117  | 125473              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 52236               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 69579               | 55.118 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 110.240% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 50232               | 51.242 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 102.480% |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 169712              | 49.600 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 99.200%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 62179               | 49.890 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 99.780%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 3) Chloromethane              | 1.307          | 50   | 1378                | 1.299  | ug/l   | 91       |
| 11) Tert butyl alcohol        | 2.934          | 59   | 341                 | 2.010  | ug/l # | 72       |
| 16) Acetone                   | 2.380          | 43   | 1086                | 2.095  | ug/l # | 72       |
| 18) Methyl Acetate            | 2.703          | 43   | 265                 | 0.222  | ug/l # | 54       |
| 31) Cyclohexane               | 5.544          | 56   | 2210                | 1.427  | ug/l # | 38       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 7003                | 5.291  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 8432                | 5.895  | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1008                | 0.601  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 36224               | 28.430 | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 36224               | 96.487 | ug/l # | 1        |
| -----                         |                |      |                     |        |        |          |

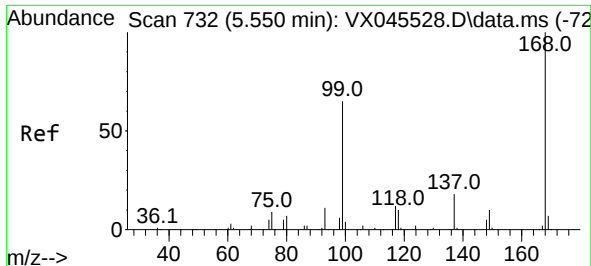
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
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STORAGE-BLANK-SOIL-REF-6

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration

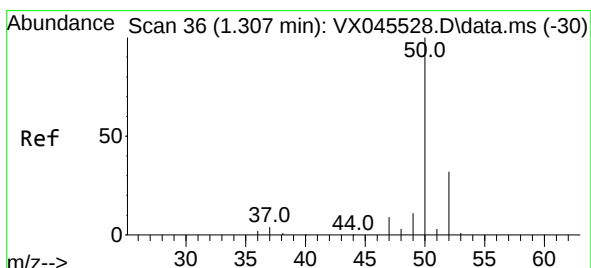
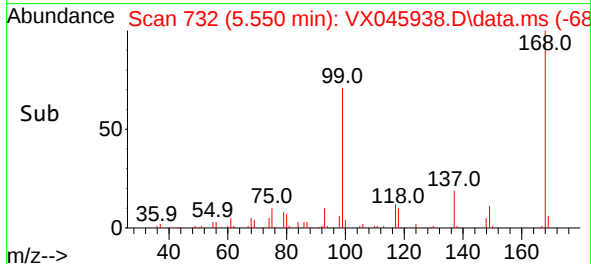
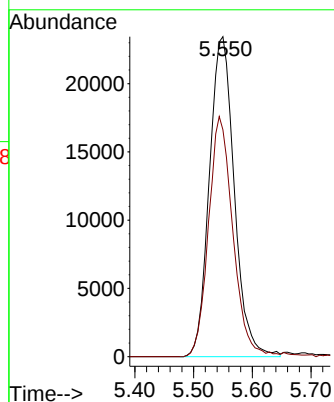
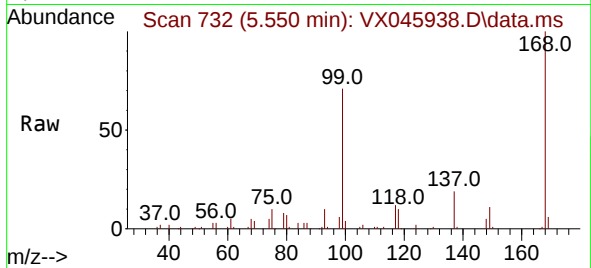




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

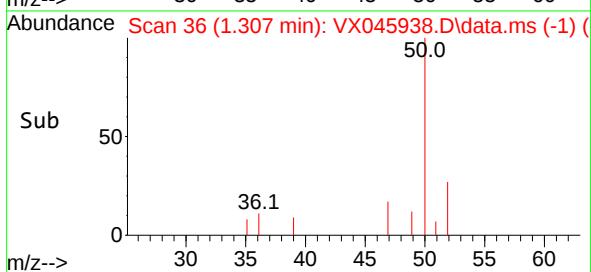
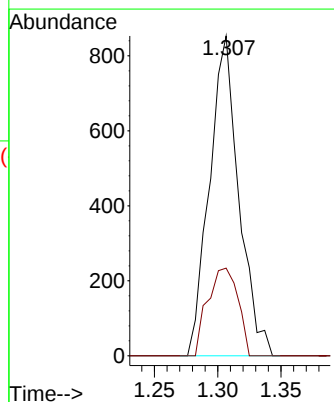
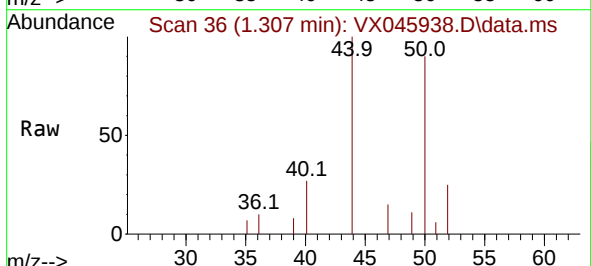
Instrument :  
MSVOA\_X  
ClientSampleId :  
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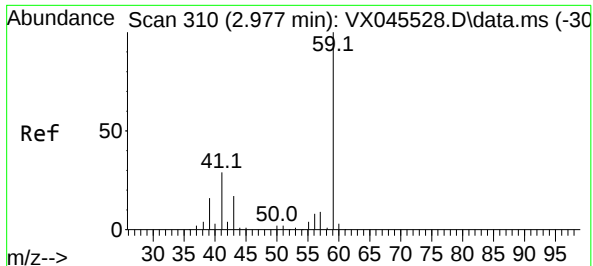
Tgt Ion:168 Resp: 69029  
Ion Ratio Lower Upper  
168 100  
99 70.9 52.3 78.5



#3  
Chloromethane  
Concen: 1.299 ug/l  
RT: 1.307 min Scan# 36  
Delta R.T. 0.000 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

Tgt Ion: 50 Resp: 1378  
Ion Ratio Lower Upper  
50 100  
52 27.4 25.9 38.9





#11

Tert butyl alcohol

Concen: 2.010 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.043 min

Lab File: VX045938.D

Acq: 25 Apr 2025 13:00

Instrument :

MSVOA\_X

ClientSampleId :

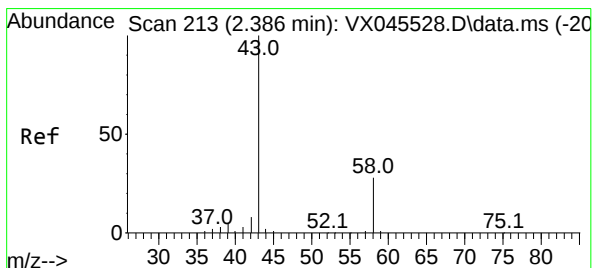
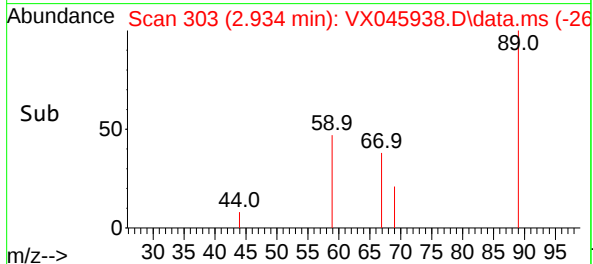
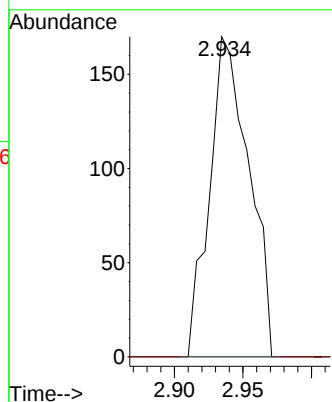
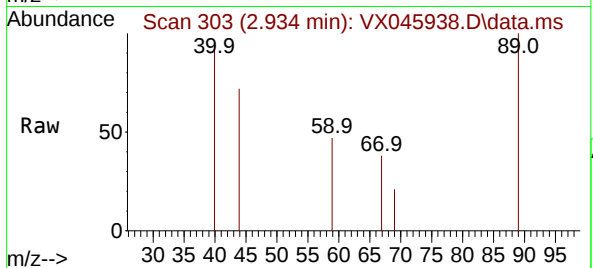
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 59 Resp: 341

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 2.095 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045938.D

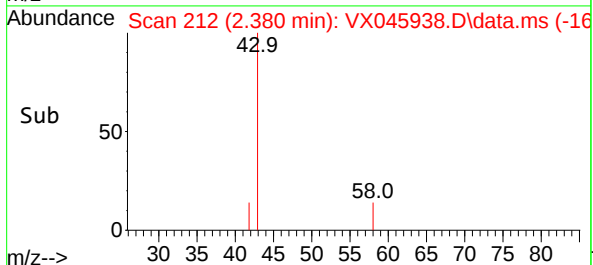
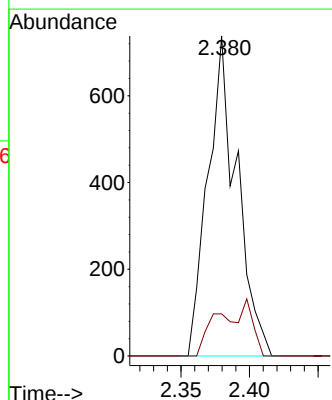
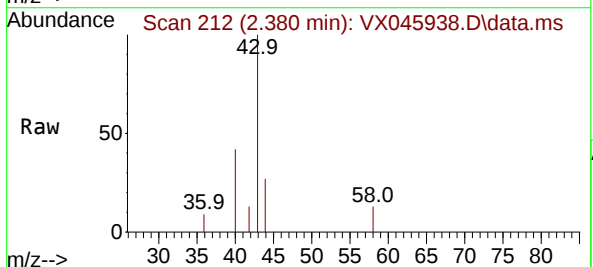
Acq: 25 Apr 2025 13:00

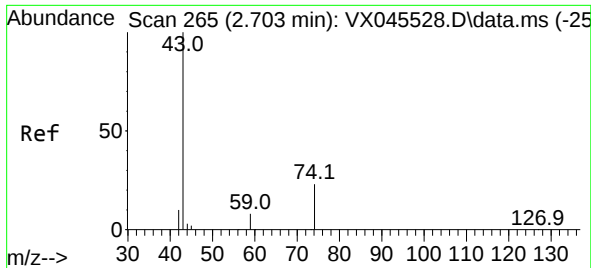
Tgt Ion: 43 Resp: 1086

Ion Ratio Lower Upper

43 100

58 13.1 22.3 33.5#

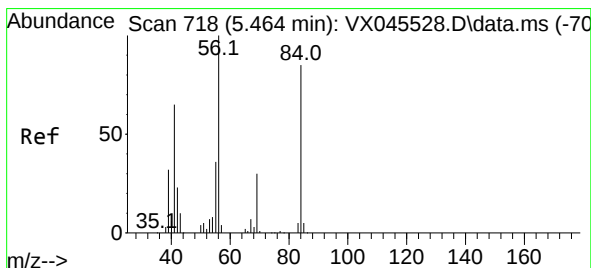
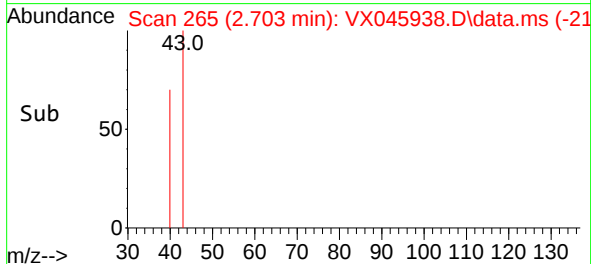
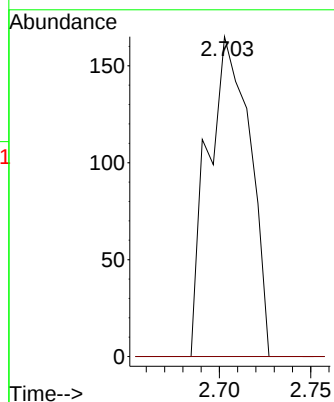
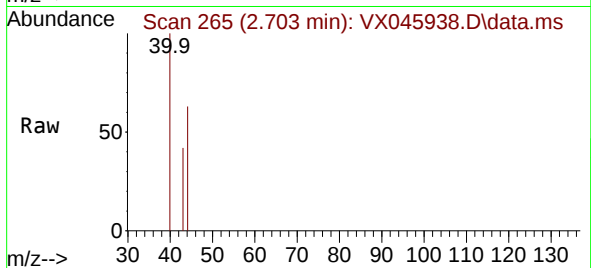




#18  
Methyl Acetate  
Concen: 0.222 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. 0.000 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

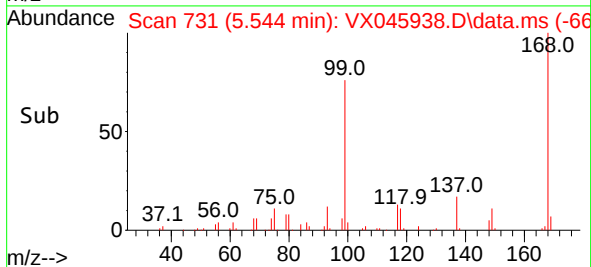
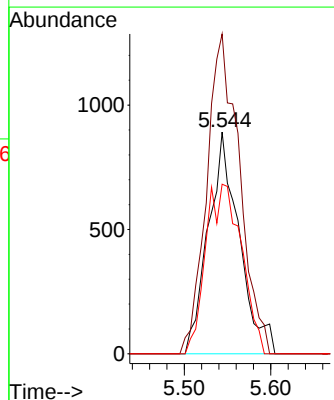
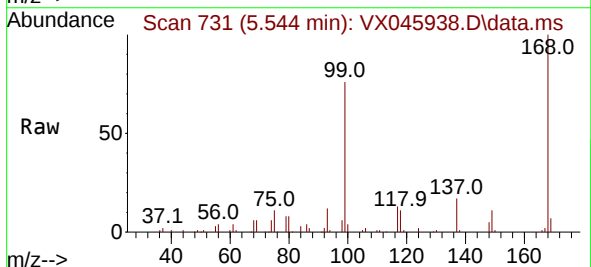
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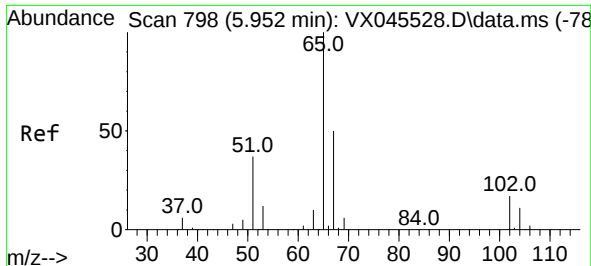
Tgt Ion: 43 Resp: 265  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.5 26.3#



#31  
Cyclohexane  
Concen: 1.427 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

Tgt Ion: 56 Resp: 2210  
Ion Ratio Lower Upper  
56 100  
69 144.2 23.6 35.4#  
84 76.5 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.118 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045938.D

Acq: 25 Apr 2025 13:00

Instrument :

MSVOA\_X

ClientSampleId :

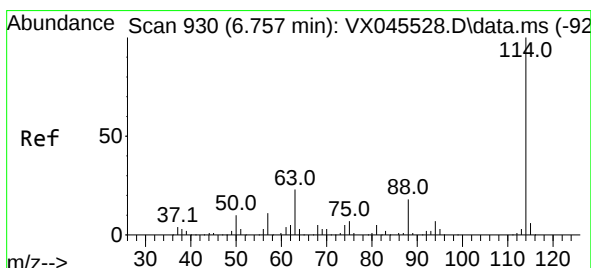
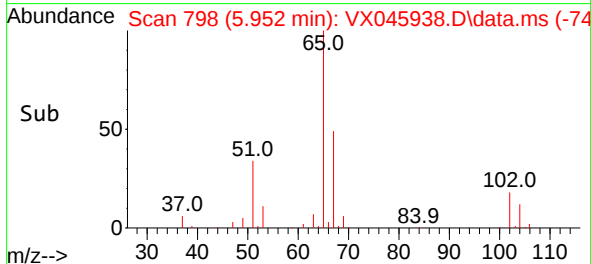
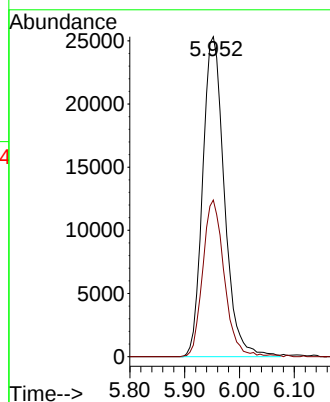
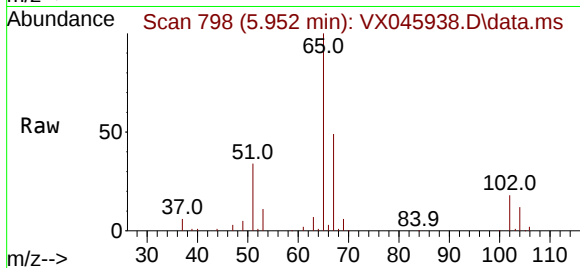
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 69579

Ion Ratio Lower Upper

65 100

67 48.5 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: VX045938.D

Acq: 25 Apr 2025 13:00

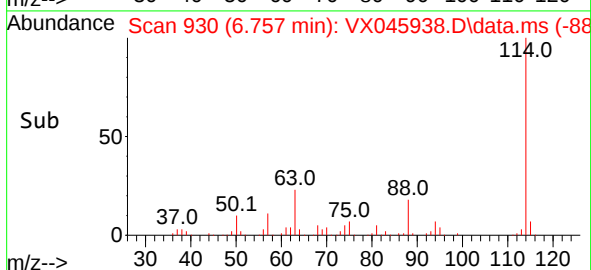
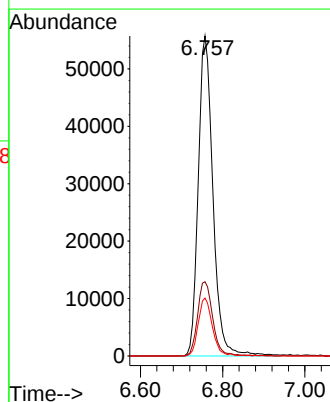
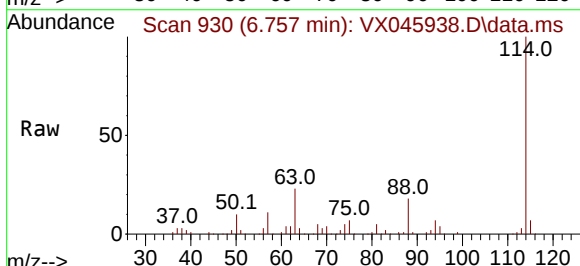
Tgt Ion: 114 Resp: 138167

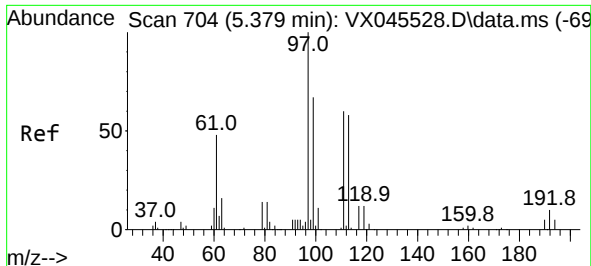
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.8

88 18.1 0.0 35.4

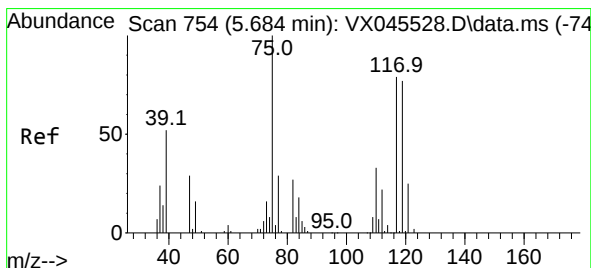
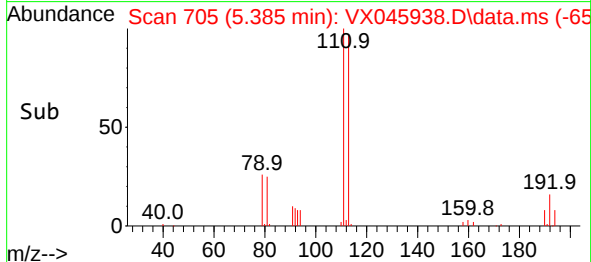
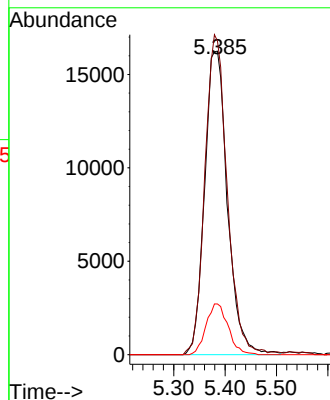
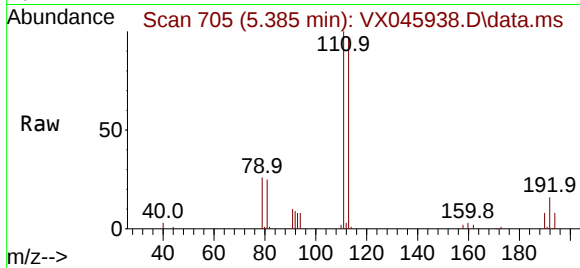




#35  
Dibromofluoromethane  
Concen: 51.242 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

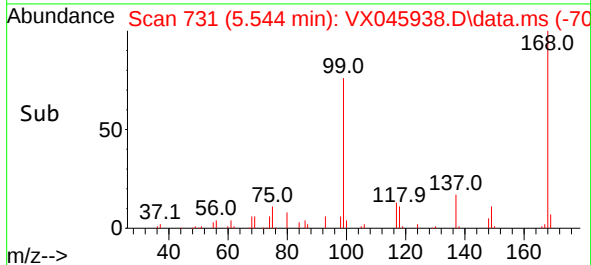
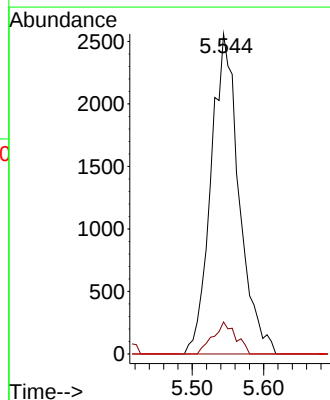
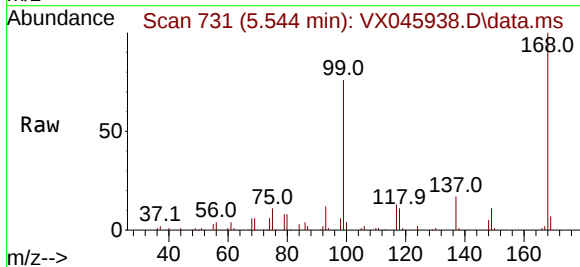
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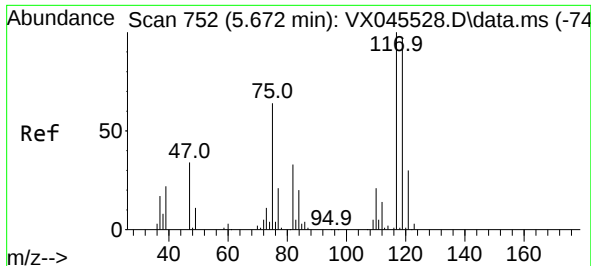
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Ion Ratio Lower Upper  
113 100  
111 102.8 81.8 122.6  
192 16.1 13.8 20.6



#36  
1,1-Dichloropropene  
Concen: 5.291 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.140 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

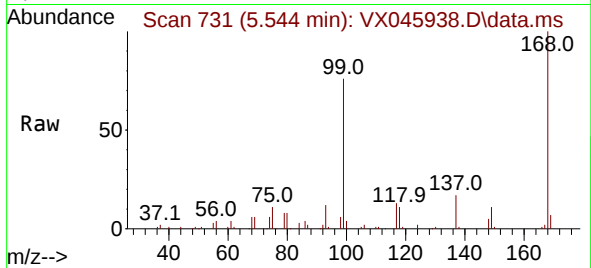
Tgt Ion: 75 Resp: 7003  
Ion Ratio Lower Upper  
75 100  
110 8.1 16.9 50.6#  
77 0.0 25.0 37.4#



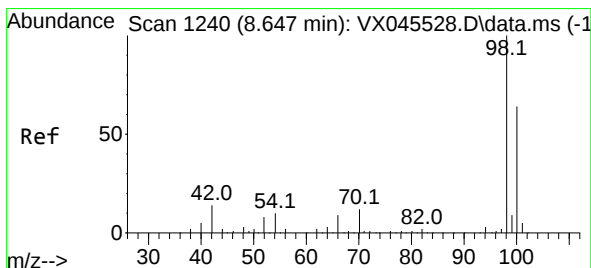
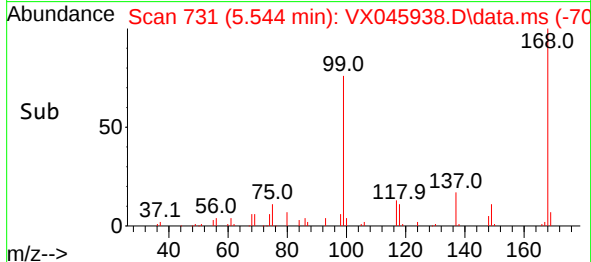
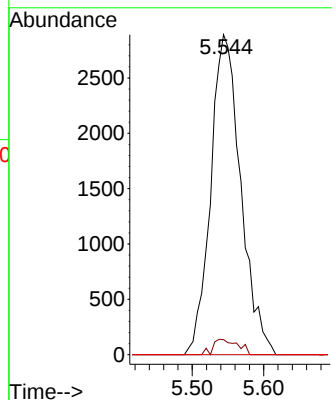


#38  
Carbon Tetrachloride  
Concen: 5.895 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

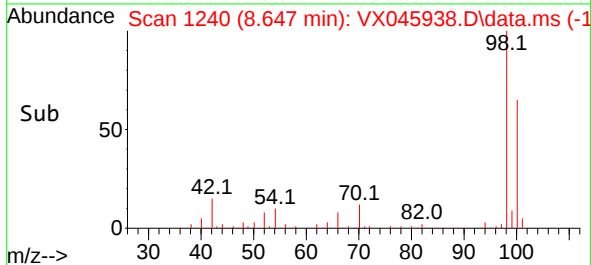
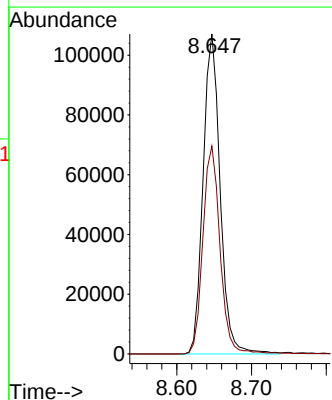
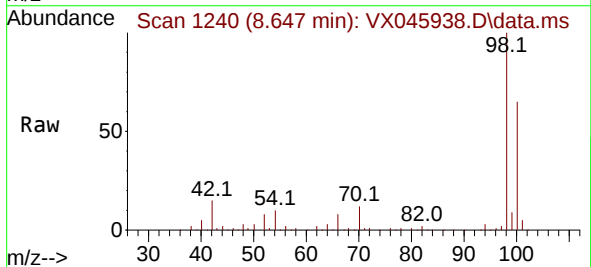


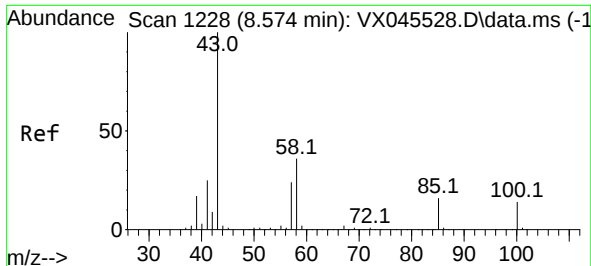
Tgt Ion:117 Resp: 8432  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.9 115.3#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 49.600 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

Tgt Ion: 98 Resp: 169712  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.2 78.4

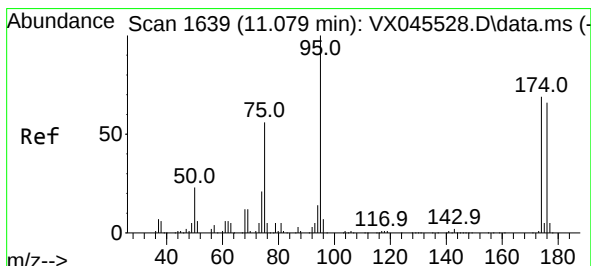
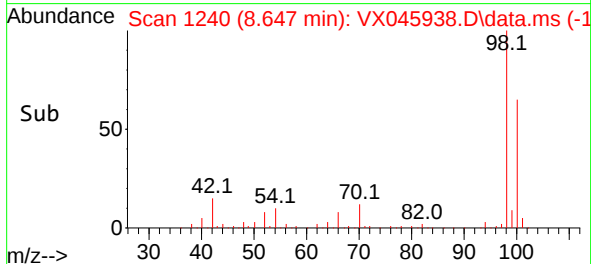
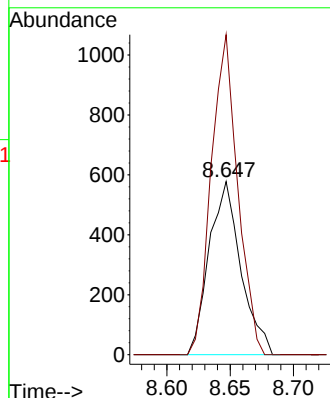
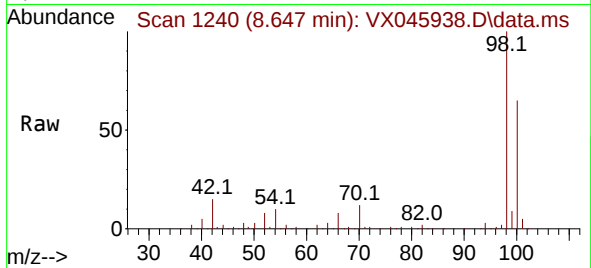




#51  
4-Methyl-2-Pentanone  
Concen: 0.601 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

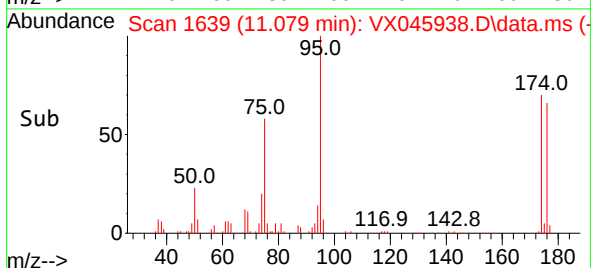
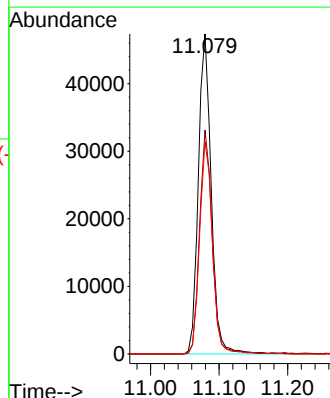
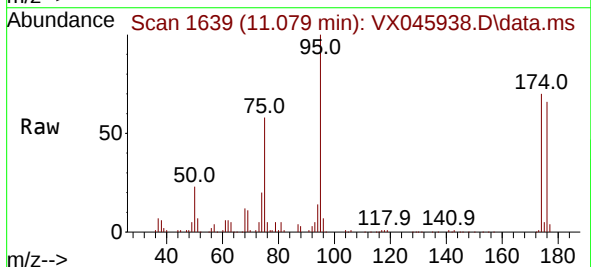
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

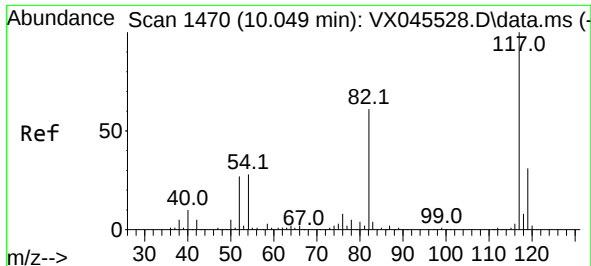
Tgt Ion: 43 Resp: 1008  
Ion Ratio Lower Upper  
43 100  
58 154.6 28.5 42.7#



#62  
4-Bromofluorobenzene  
Concen: 49.890 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

Tgt Ion: 95 Resp: 62179  
Ion Ratio Lower Upper  
95 100  
174 68.7 0.0 135.8  
176 65.9 0.0 131.4

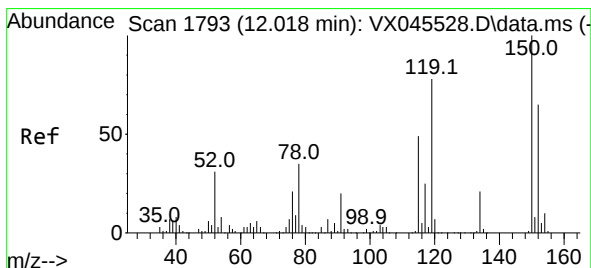
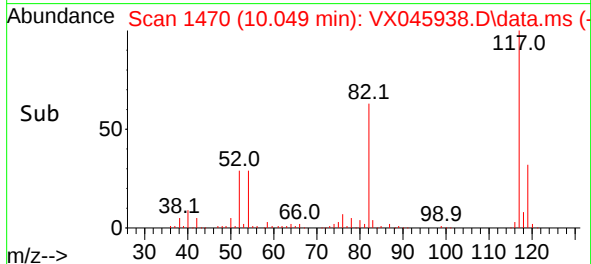
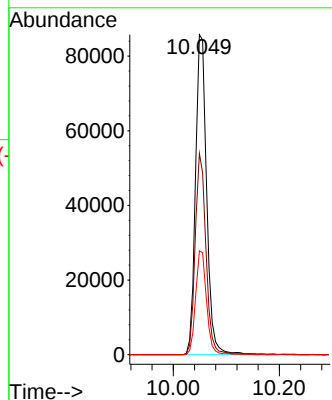
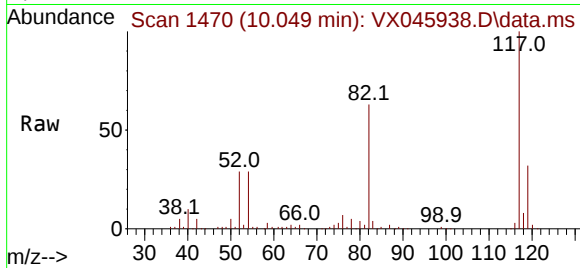




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

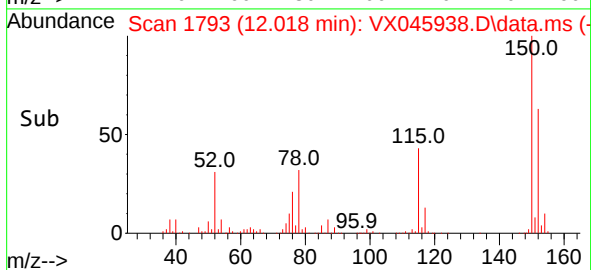
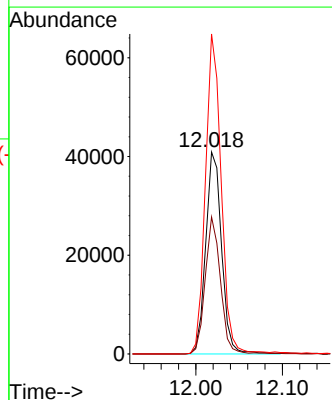
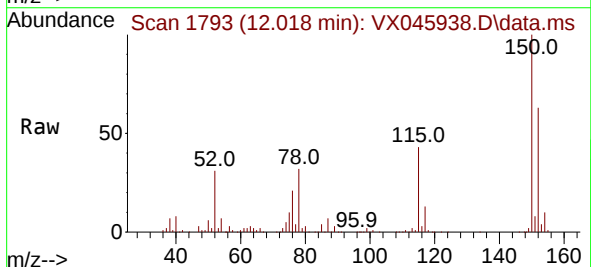
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

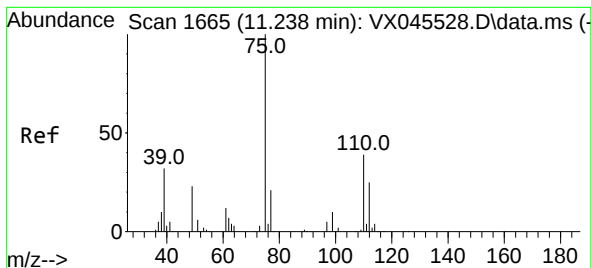
Tgt Ion:117 Resp: 125473  
Ion Ratio Lower Upper  
117 100  
82 62.9 49.2 73.8  
119 32.4 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX045938.D  
Acq: 25 Apr 2025 13:00

Tgt Ion:152 Resp: 52236  
Ion Ratio Lower Upper  
152 100  
115 65.1 46.9 140.7  
150 156.3 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 28.430 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045938.D

Acq: 25 Apr 2025 13:00

Instrument :

MSVOA\_X

ClientSampleId :

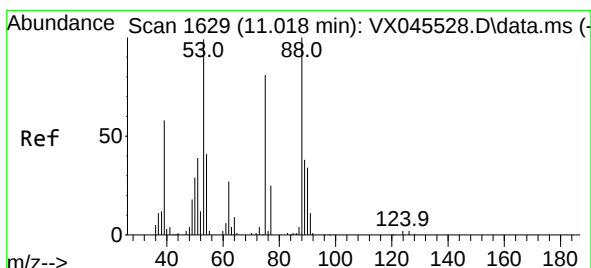
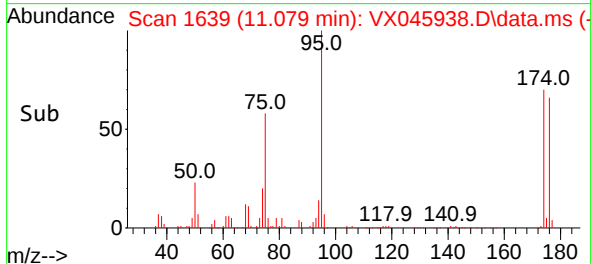
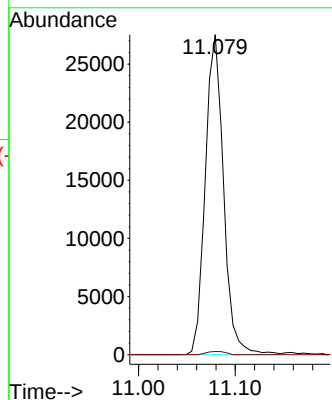
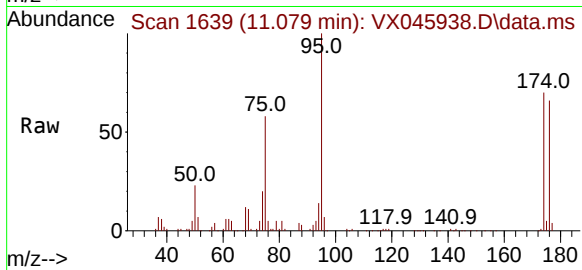
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 36224

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.487 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045938.D

Acq: 25 Apr 2025 13:00

Tgt Ion: 75 Resp: 36224

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

