

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112425\  
 Data File : VX048666.D  
 Acq On : 24 Nov 2025 16:09  
 Operator : JC/MD  
 Sample : Q3710-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMPRESSOR-EXCAVATION

Quant Time: Nov 26 00:27:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 2025  
 Response via : Initial Calibration

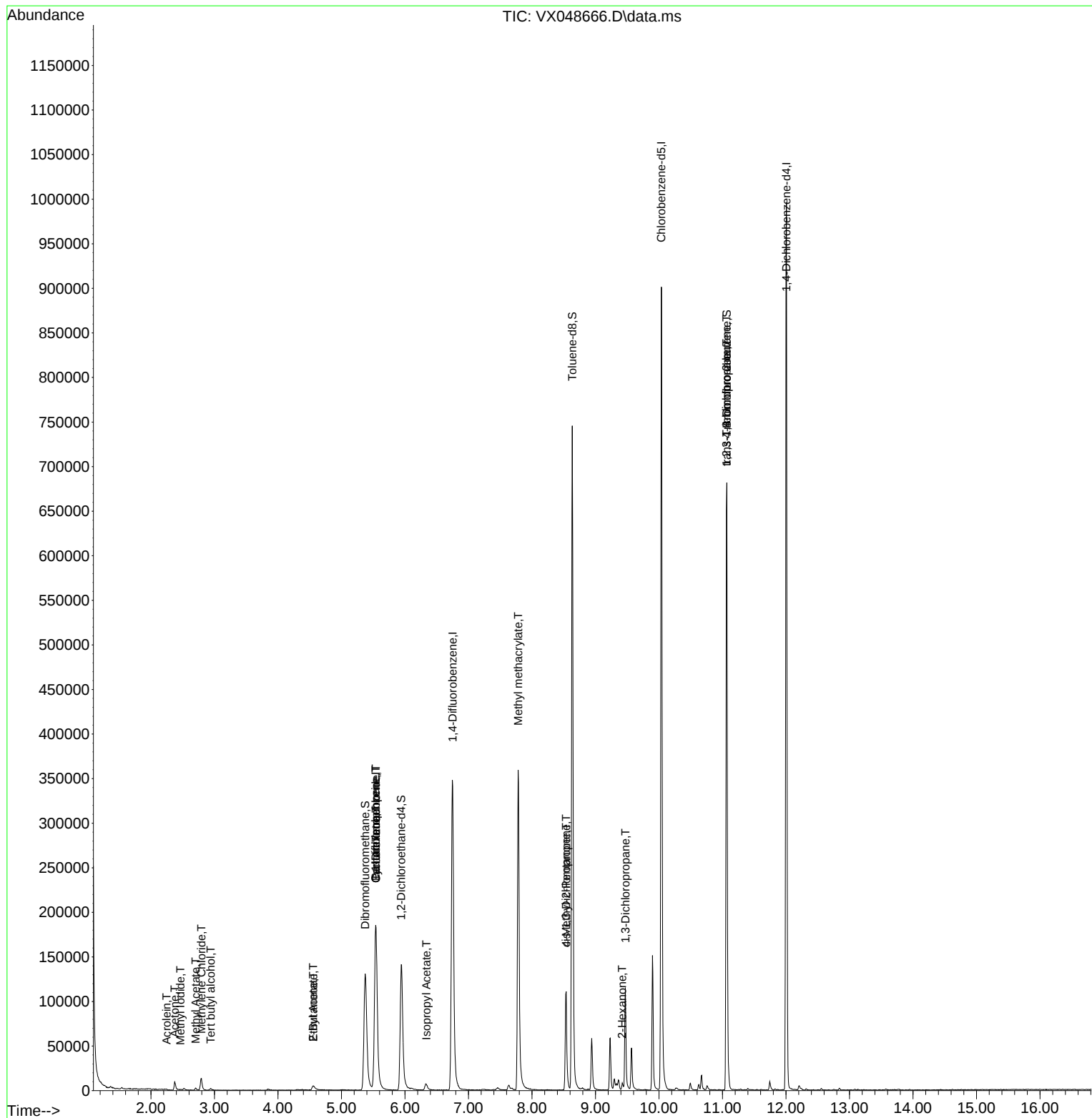
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.538          | 168  | 193235              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.751          | 114  | 385610              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037         | 117  | 412630              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006         | 152  | 215359              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940          | 65   | 155205              | 57.642 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 115.280% |        |        |          |
| 35) Dibromofluoromethane      | 5.373          | 113  | 129613              | 44.410 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 88.820%  |        |        |          |
| 50) Toluene-d8                | 8.635          | 98   | 465698              | 51.162 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 102.320% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.067         | 95   | 192169              | 56.651 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 113.300% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 10) Methyl Iodide             | 2.465          | 142  | 676                 | 0.212  | ug/l # | 88       |
| 11) Tert butyl alcohol        | 2.941          | 59   | 1977                | 3.875  | ug/l # | 82       |
| 13) Acrolein                  | 2.246          | 56   | 44                  | 0.596  | ug/l # | 15       |
| 16) Acetone                   | 2.374          | 43   | 11574               | 9.081  | ug/l   | 99       |
| 18) Methyl Acetate            | 2.703          | 43   | 3345                | 0.955  | ug/l # | 84       |
| 20) Methylene Chloride        | 2.794          | 84   | 7233                | 2.760  | ug/l   | 97       |
| 25) 2-Butanone                | 4.556          | 43   | 11321               | 6.004  | ug/l   | 98       |
| 31) Cyclohexane               | 5.544          | 56   | 4179                | 1.156  | ug/l # | 14       |
| 36) 1,1-Dichloropropene       | 5.538          | 75   | 14903               | 3.813  | ug/l # | 50       |
| 37) Ethyl Acetate             | 4.556          | 43   | 11321               | 2.058  | ug/l # | 71       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 20660               | 4.644  | ug/l # | 17       |
| 43) Isopropyl Acetate         | 6.336          | 43   | 11304               | 1.462  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.781          | 41   | 36951               | 10.749 | ug/l # | 42       |
| 51) 4-Methyl-2-Pentanone      | 8.537          | 43   | 43126               | 9.797  | ug/l # | 49       |
| 54) cis-1,3-Dichloropropene   | 8.537          | 75   | 18833               | 4.355  | ug/l # | 62       |
| 57) 1,3-Dichloropropane       | 9.470          | 76   | 959                 | 0.216  | ug/l # | 42       |
| 59) 2-Hexanone                | 9.421          | 43   | 4773                | 1.458  | ug/l   | 87       |
| 76) 1,2,3-Trichloropropane    | 11.061         | 75   | 100726              | 19.414 | ug/l # | 30       |
| 81) trans-1,4-Dichloro-2-b... | 11.061         | 75   | 100726              | 55.530 | ug/l # | 12       |
| -----                         |                |      |                     |        |        |          |

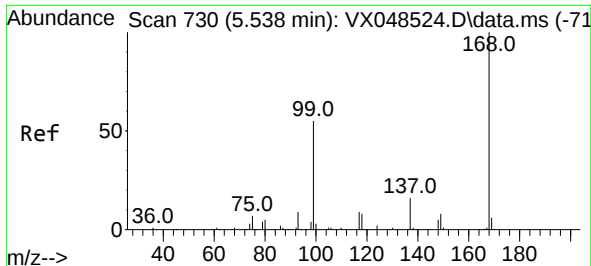
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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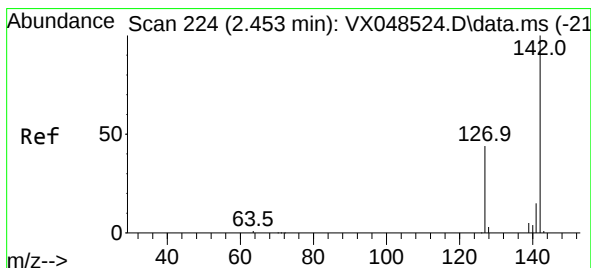
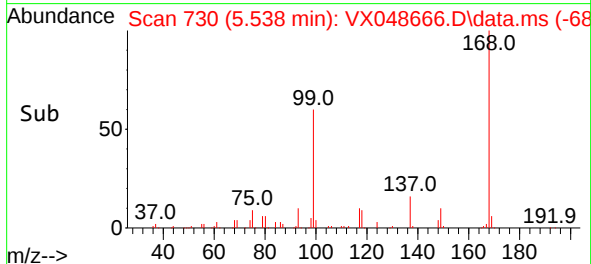
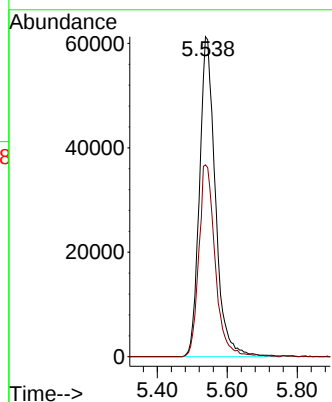
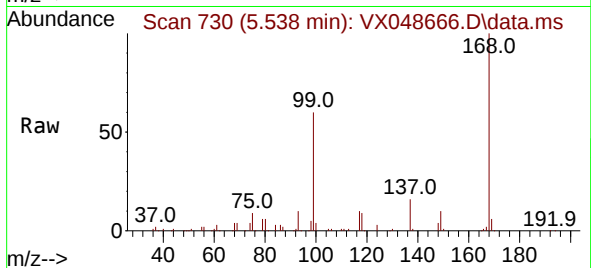




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

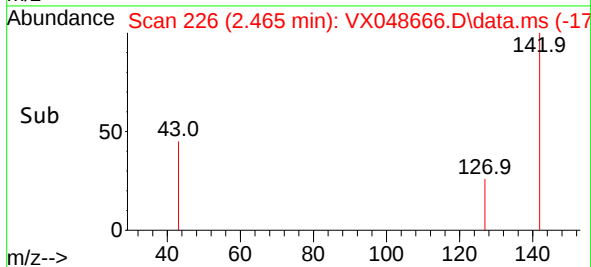
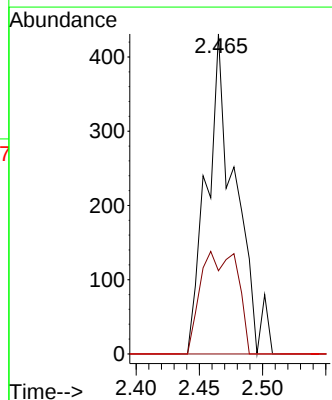
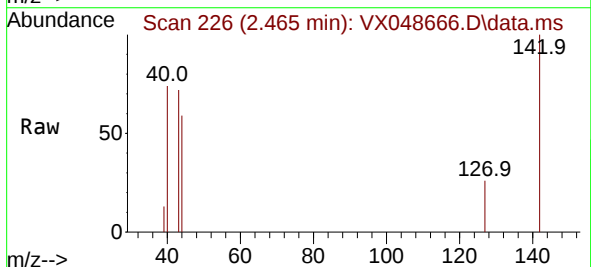
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMPRESSOR-EXCAVATION

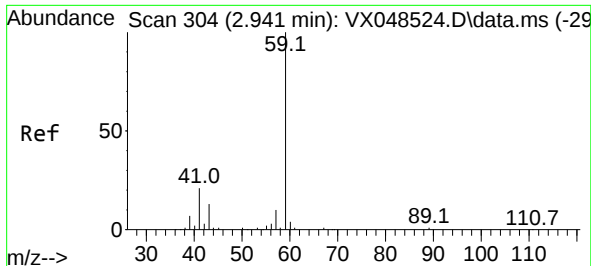
Tgt Ion:168 Resp: 193235  
Ion Ratio Lower Upper  
168 100  
99 60.0 45.2 67.8



#10  
Methyl Iodide  
Concen: 0.212 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion:142 Resp: 676  
Ion Ratio Lower Upper  
142 100  
127 41.4 35.8 53.6  
141 0.0 11.4 17.0#

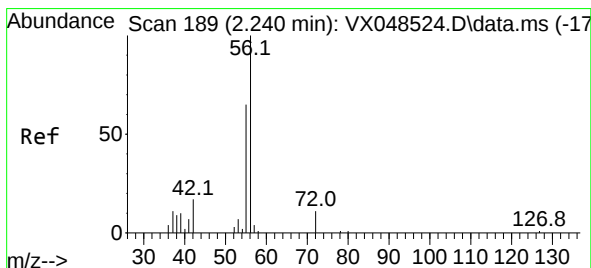
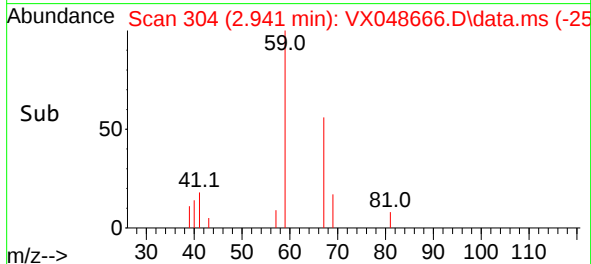
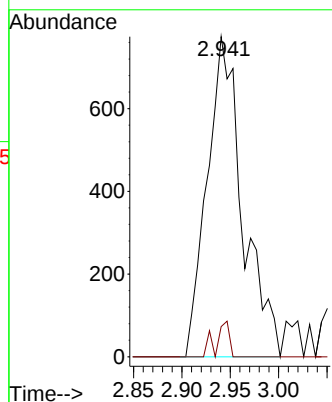
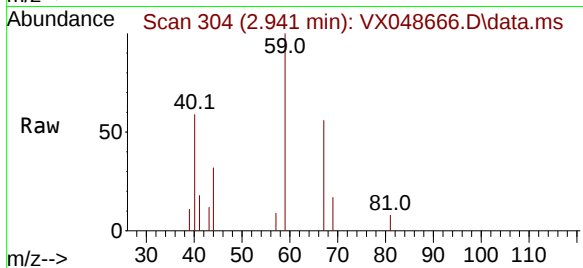




#11  
Tert butyl alcohol  
Concen: 3.875 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.000 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

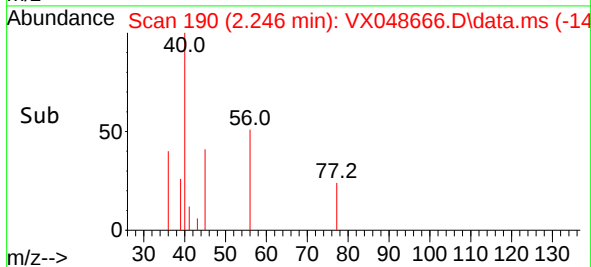
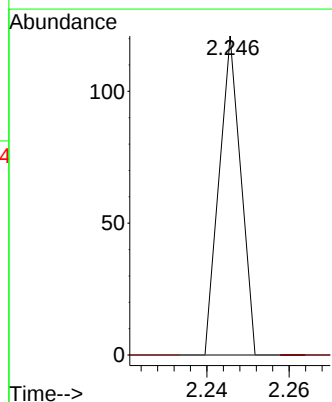
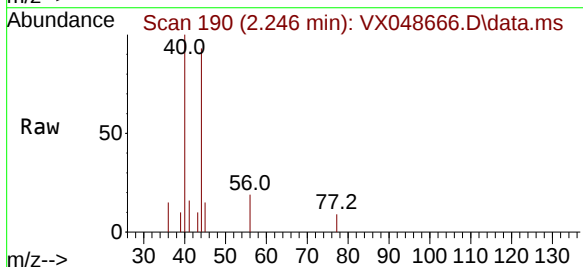
Instrument : MSVOA\_X  
ClientSampleId : COMPRESSOR-EXCAVATION

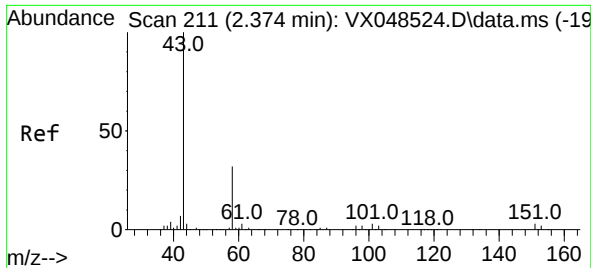
Tgt Ion: 59 Resp: 1977  
Ion Ratio Lower Upper  
59 100  
57 4.1 8.6 13.0#



#13  
Acrolein  
Concen: 0.596 ug/l  
RT: 2.246 min Scan# 190  
Delta R.T. 0.006 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion: 56 Resp: 44  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.9 82.3#

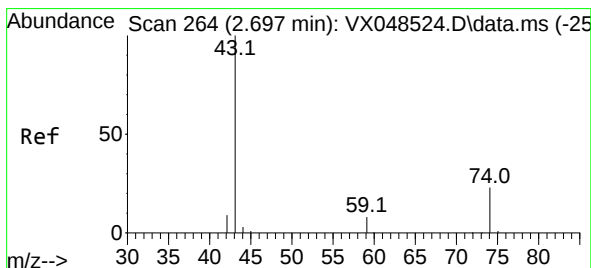
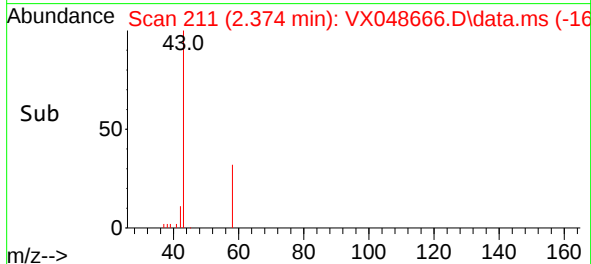
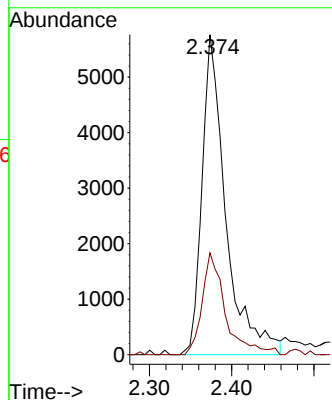
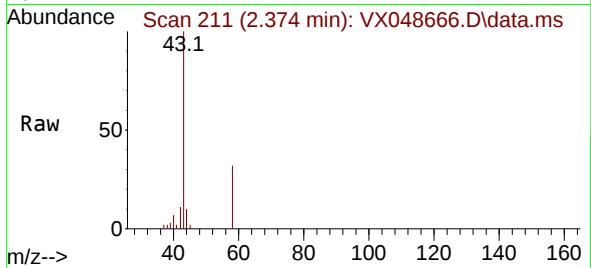




#16  
Acetone  
Concen: 9.081 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

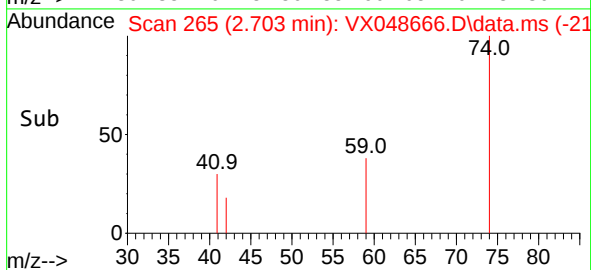
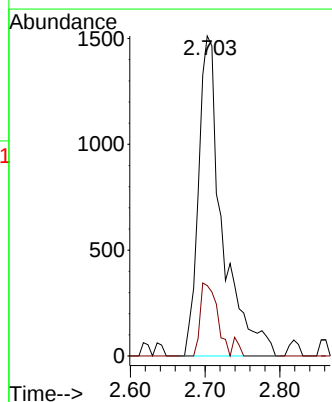
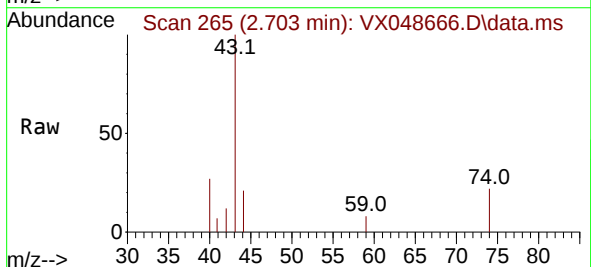
Instrument : MSVOA\_X  
ClientSampleId : COMPRESSOR-EXCAVATION

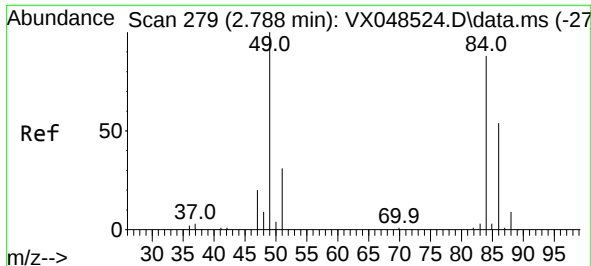
Tgt Ion: 43 Resp: 11574  
Ion Ratio Lower Upper  
43 100  
58 31.8 25.8 38.6



#18  
Methyl Acetate  
Concen: 0.955 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. 0.006 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion: 43 Resp: 3345  
Ion Ratio Lower Upper  
43 100  
74 16.1 19.1 28.7#

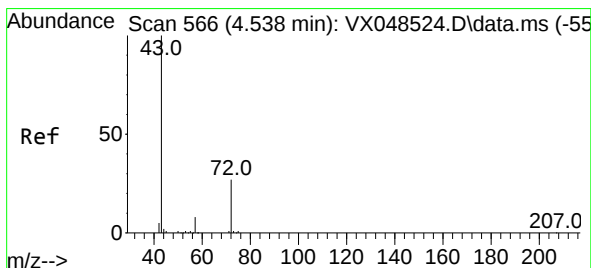
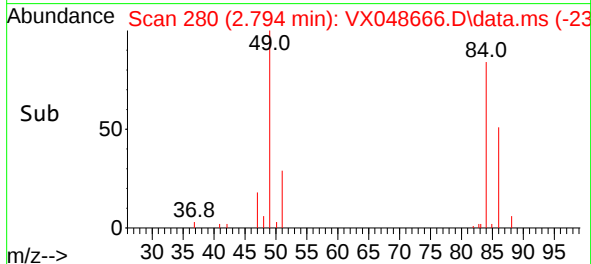
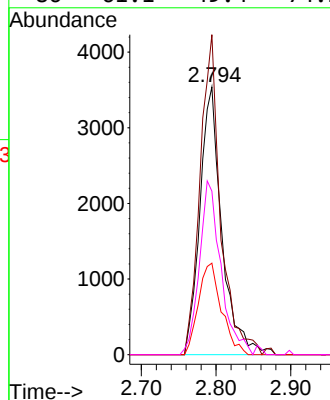
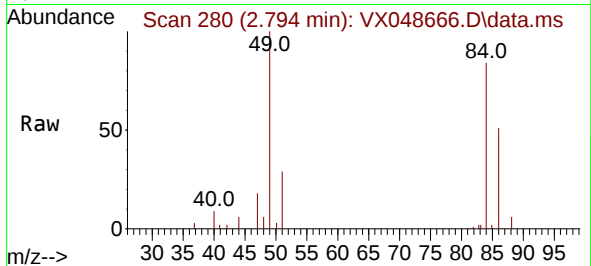




#20  
Methylene Chloride  
Concen: 2.760 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

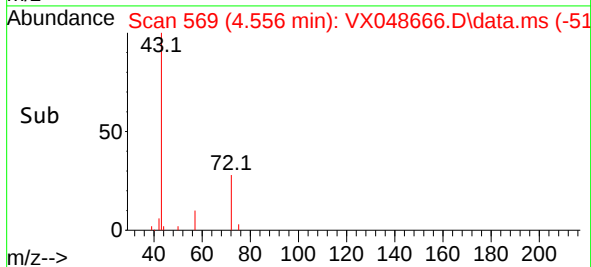
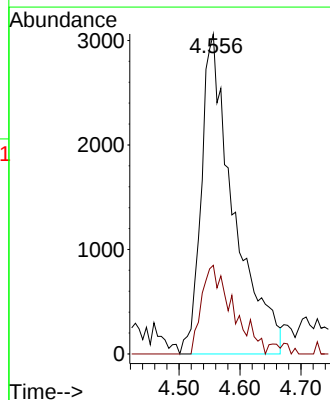
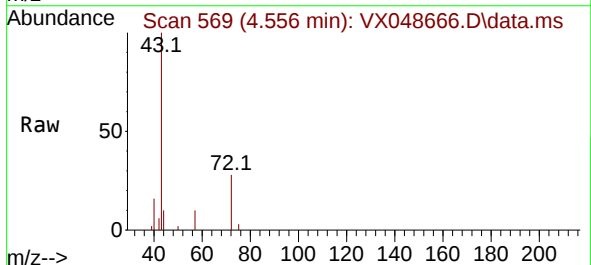
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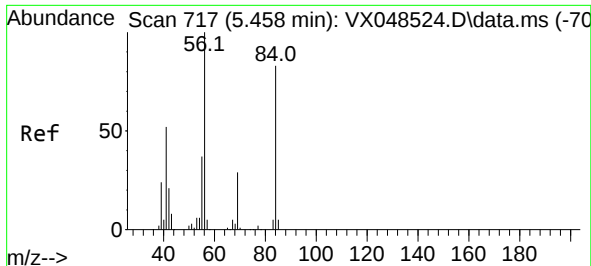
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 7233  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 119.6    | 91.2 136.8  |
| 51 34.2     | 28.3 42.5   |
| 86 61.1     | 49.4 74.2   |



#25  
2-Butanone  
Concen: 6.004 ug/l  
RT: 4.556 min Scan# 569  
Delta R.T. 0.018 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 11321 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 27.7     | 21.5 32.3   |

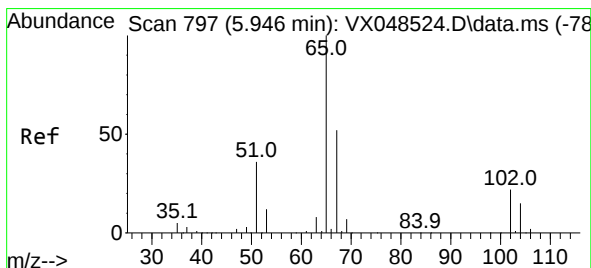
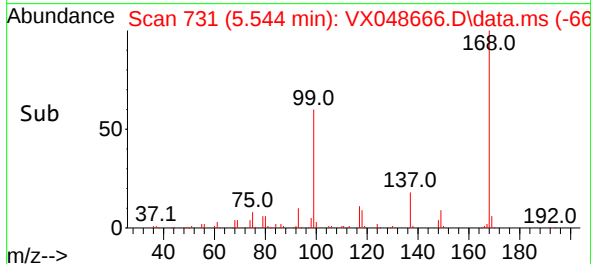
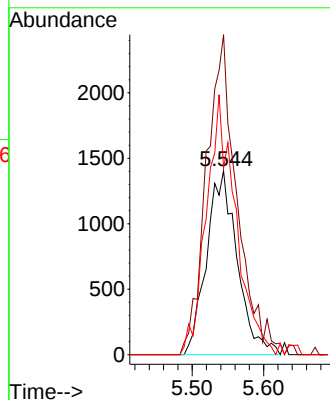
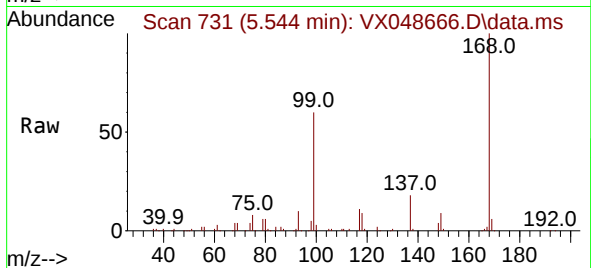




#31  
Cyclohexane  
Concen: 1.156 ug/l  
RT: 5.544 min Scan# 717  
Delta R.T. 0.085 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

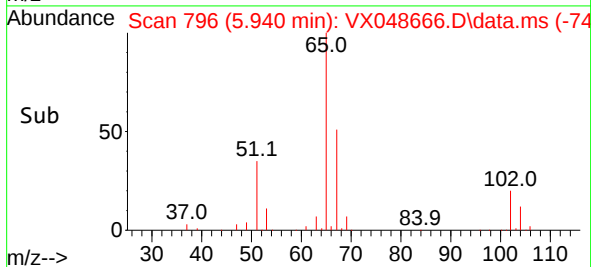
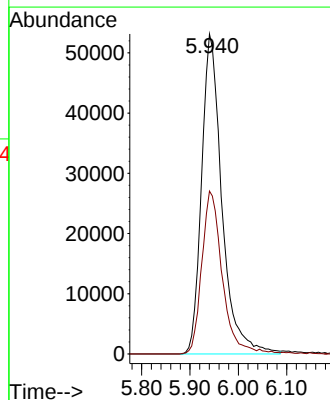
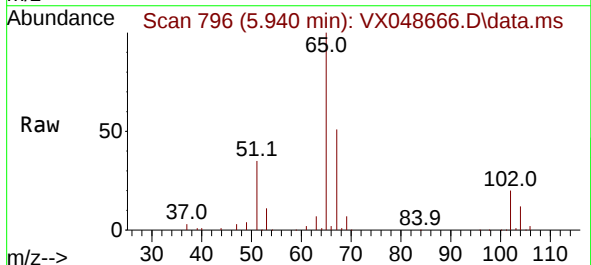
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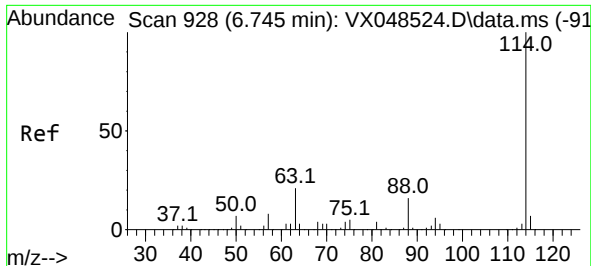
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Ion Ratio Lower Upper  
56 100  
69 174.0 23.4 35.2#  
84 101.5 66.3 99.5#



#33  
1,2-Dichloroethane-d4  
Concen: 57.642 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.006 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion: 65 Resp: 155205  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 106.2

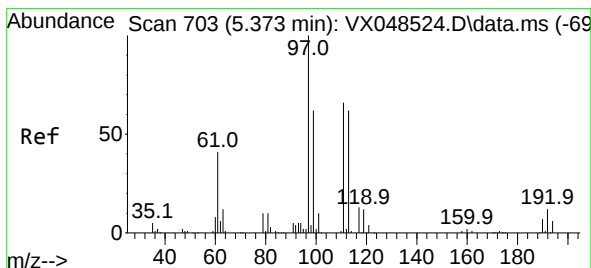
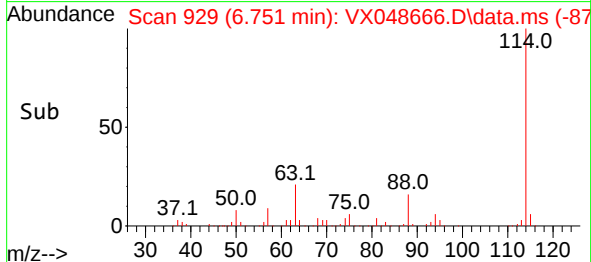
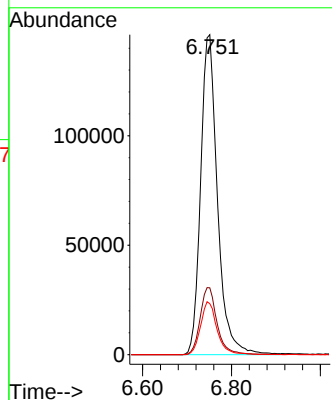
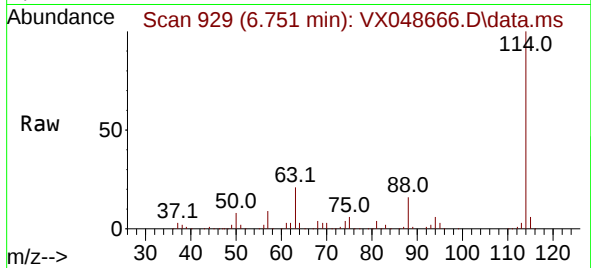




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

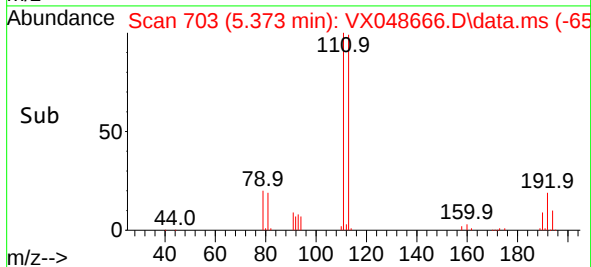
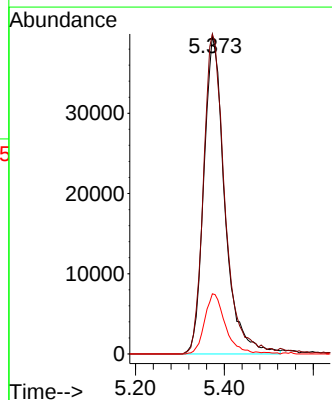
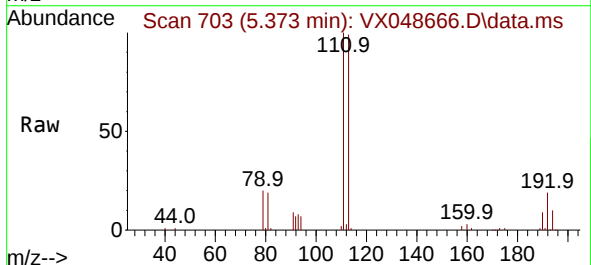
Instrument :  
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ClientSampleId :  
COMPRESSOR-EXCAVATION

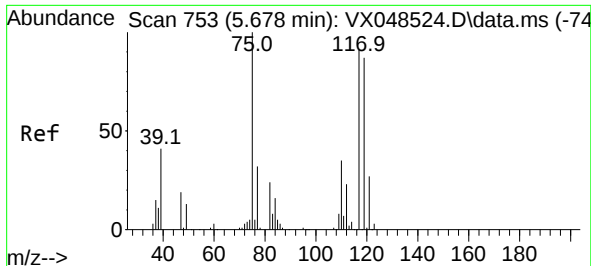
Tgt Ion:114 Resp: 385610  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 41.2  
88 15.9 0.0 32.2



#35  
Dibromofluoromethane  
Concen: 44.410 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion:113 Resp: 129613  
Ion Ratio Lower Upper  
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111 102.5 81.9 122.9  
192 19.0 15.8 23.6

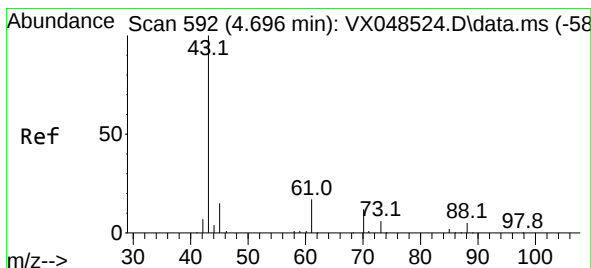
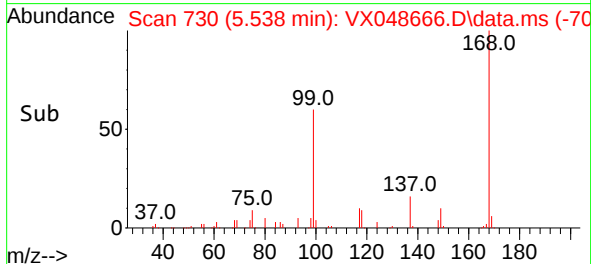
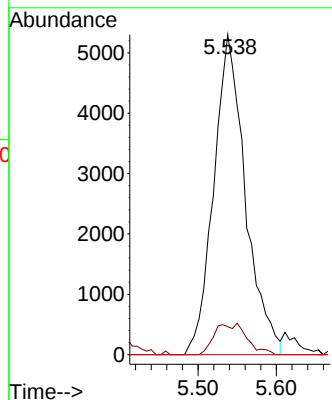
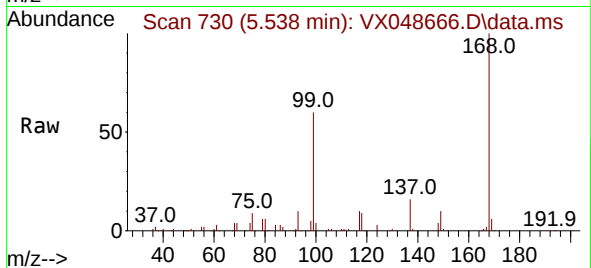




#36  
1,1-Dichloropropene  
Concen: 3.813 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

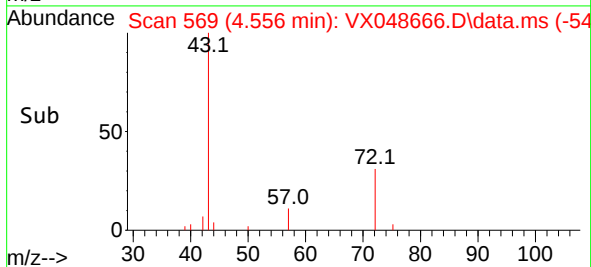
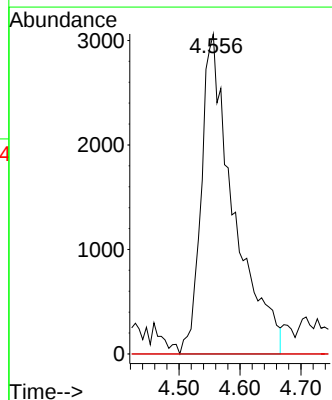
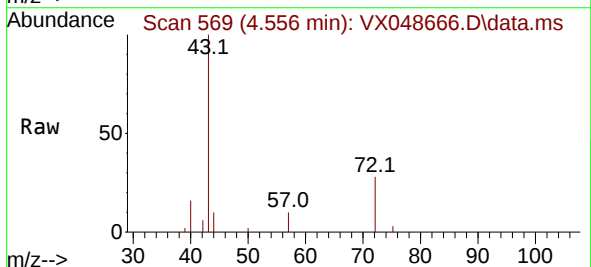
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMPRESSOR-EXCAVATION

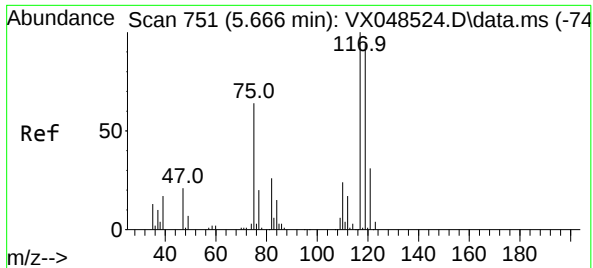
Tgt Ion: 75 Resp: 14903  
Ion Ratio Lower Upper  
75 100  
110 10.0 18.4 55.4#  
77 0.0 24.6 37.0#



#37  
Ethyl Acetate  
Concen: 2.058 ug/l  
RT: 4.556 min Scan# 569  
Delta R.T. -0.140 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion: 43 Resp: 11321  
Ion Ratio Lower Upper  
43 100  
61 0.0 9.7 14.5#  
70 0.0 7.7 11.5#

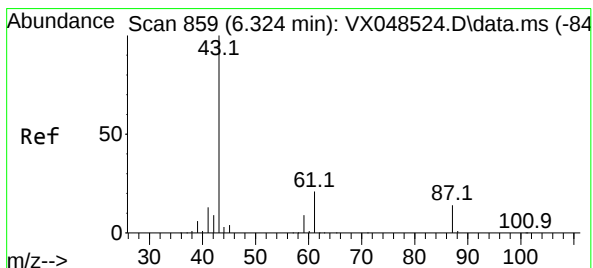
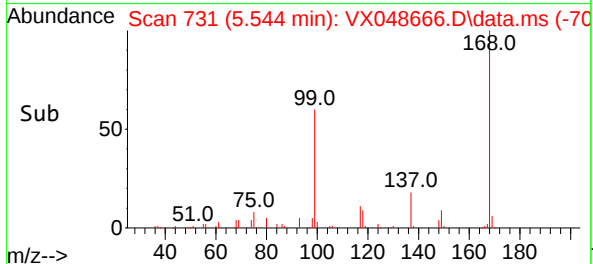
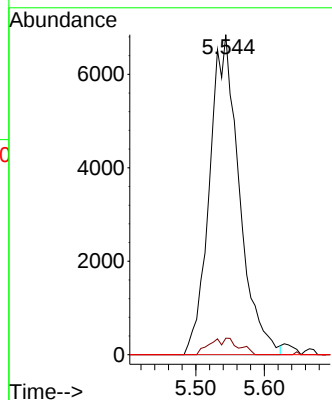
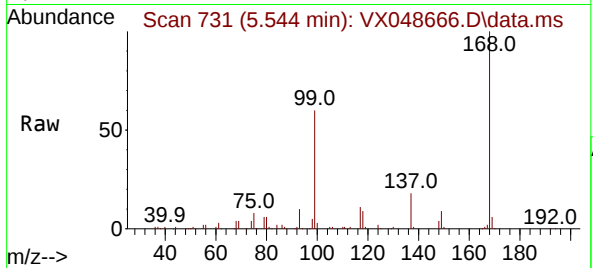




#38  
Carbon Tetrachloride  
Concen: 4.644 ug/l  
RT: 5.544 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

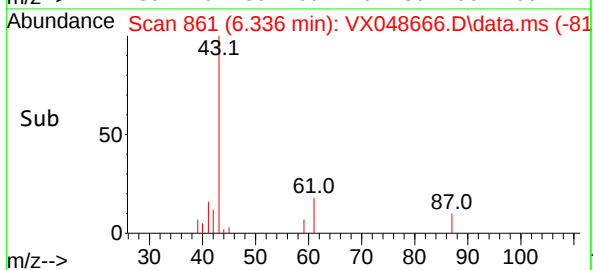
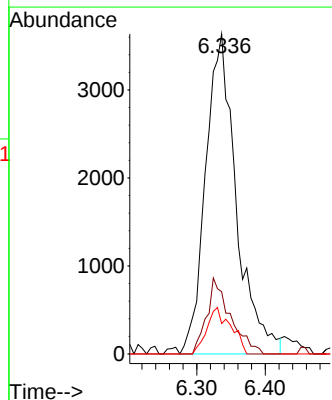
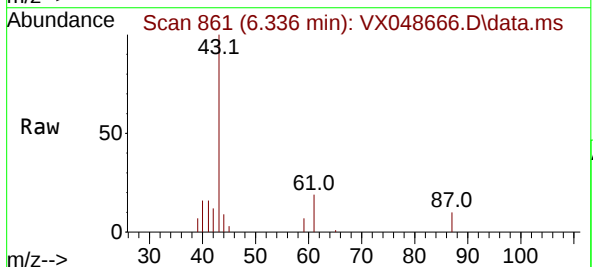
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMPRESSOR-EXCAVATION

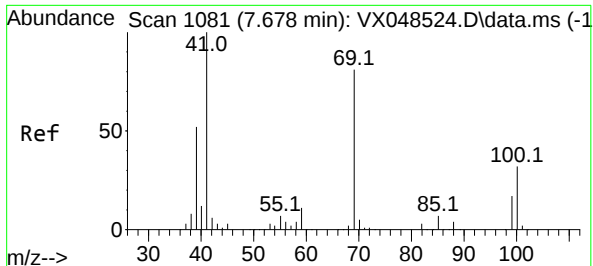
Tgt Ion:117 Resp: 20660  
Ion Ratio Lower Upper  
117 100  
119 5.2 74.5 111.7#  
121 0.0 24.8 37.2#



#43  
Isopropyl Acetate  
Concen: 1.462 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. 0.012 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion: 43 Resp: 11304  
Ion Ratio Lower Upper  
43 100  
61 18.4 16.2 24.4  
87 11.3 10.9 16.3





#48

Methyl methacrylate

Concen: 10.749 ug/l

RT: 7.781 min Scan# 1081

Delta R.T. 0.104 min

Lab File: VX048666.D

Acq: 24 Nov 2025 16:09

Instrument :

MSVOA\_X

ClientSampleId :

COMPRESSOR-EXCAVATION

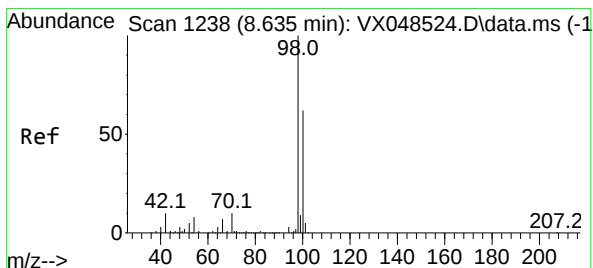
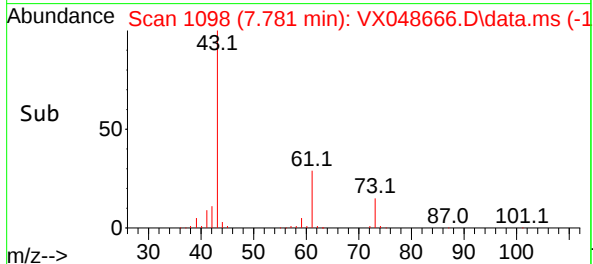
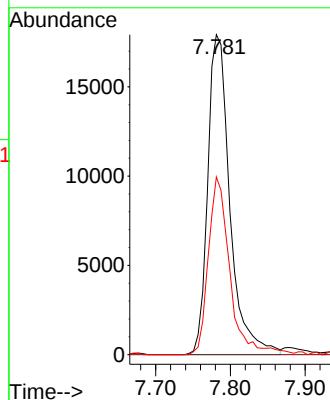
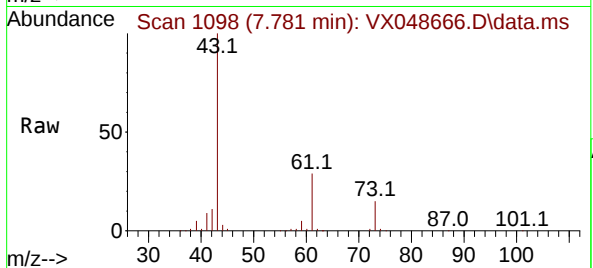
Tgt Ion: 41 Resp: 36951

Ion Ratio Lower Upper

41 100

69 0.0 67.9 101.9#

39 53.8 42.2 63.2



#50

Toluene-d8

Concen: 51.162 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048666.D

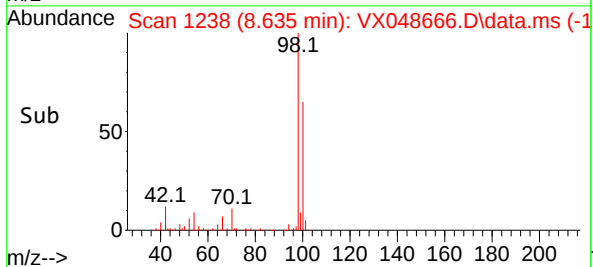
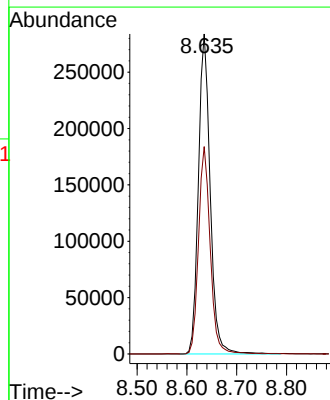
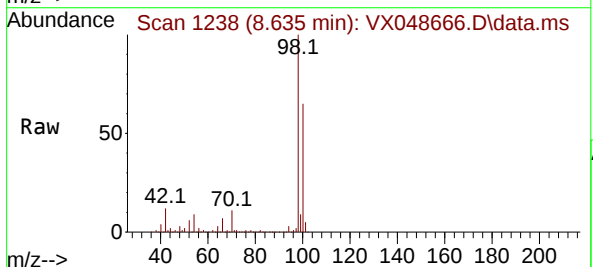
Acq: 24 Nov 2025 16:09

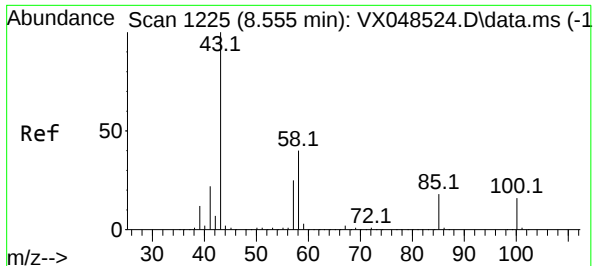
Tgt Ion: 98 Resp: 465698

Ion Ratio Lower Upper

98 100

100 64.4 53.6 80.4

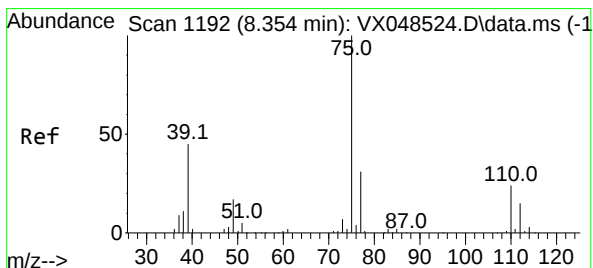
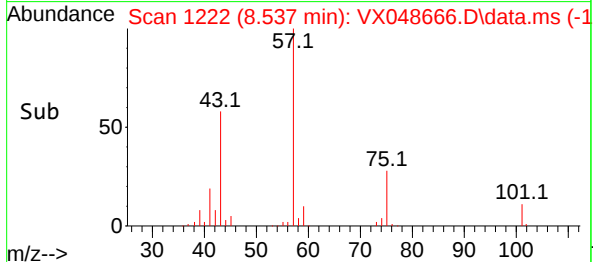
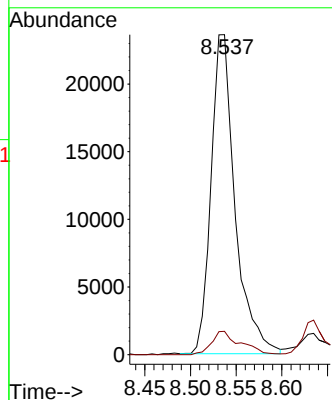
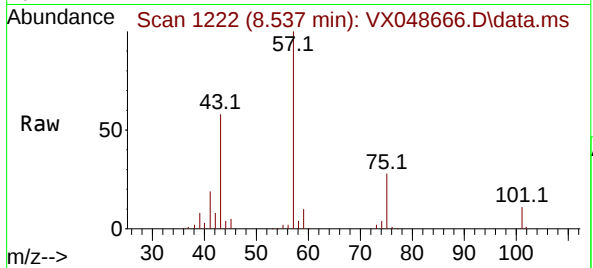




#51  
4-Methyl-2-Pentanone  
Concen: 9.797 ug/l  
RT: 8.537 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

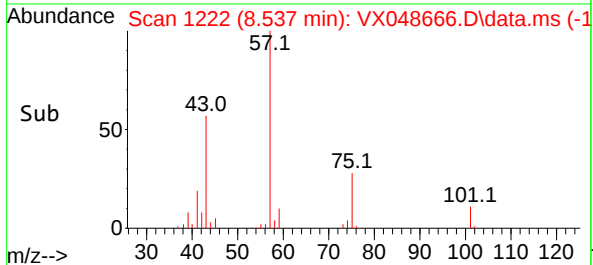
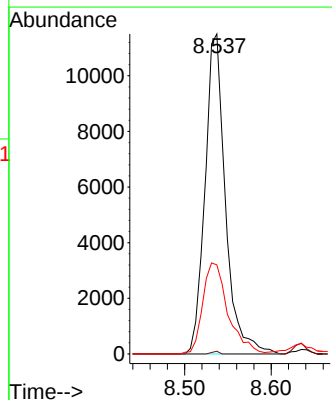
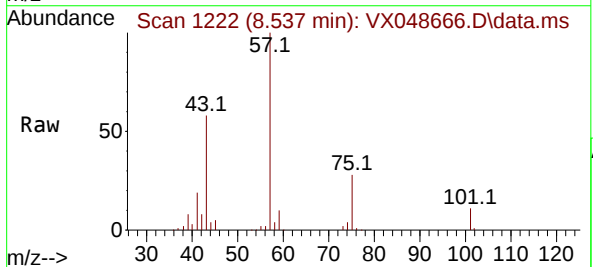
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMPRESSOR-EXCAVATION

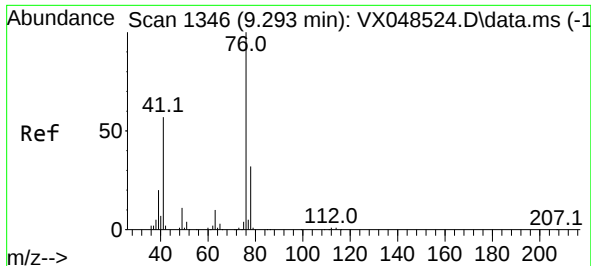
Tgt Ion: 43 Resp: 43126  
Ion Ratio Lower Upper  
43 100  
58 8.8 32.3 48.5#



#54  
cis-1,3-Dichloropropene  
Concen: 4.355 ug/l  
RT: 8.537 min Scan# 1222  
Delta R.T. 0.183 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion: 75 Resp: 18833  
Ion Ratio Lower Upper  
75 100  
77 0.9 24.7 37.1#  
39 27.8 36.1 54.1#





#57

1,3-Dichloropropane

Concen: 0.216 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.177 min

Lab File: VX048666.D

Acq: 24 Nov 2025 16:09

Instrument :

MSVOA\_X

ClientSampleId :

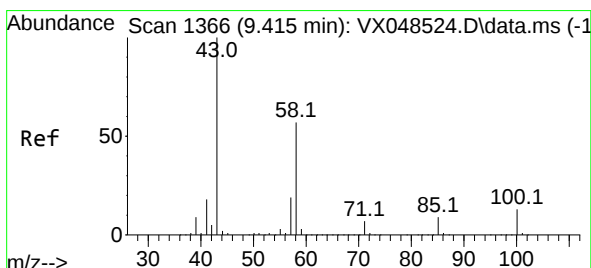
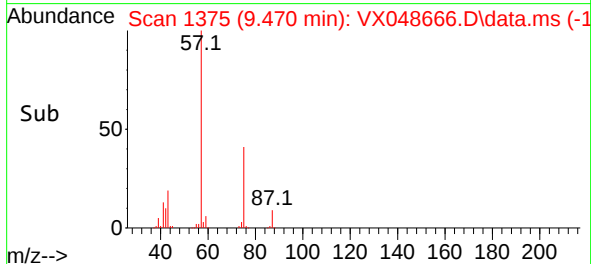
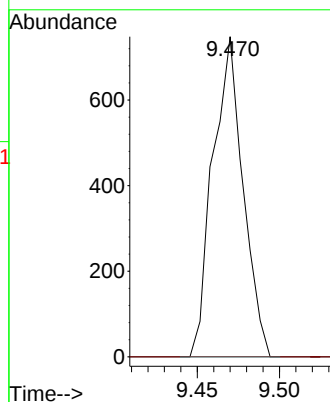
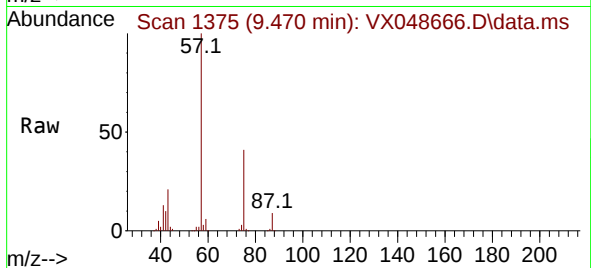
COMPRESSOR-EXCAVATION

Tgt Ion: 76 Resp: 959

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 1.458 ug/l

RT: 9.421 min Scan# 1367

Delta R.T. 0.006 min

Lab File: VX048666.D

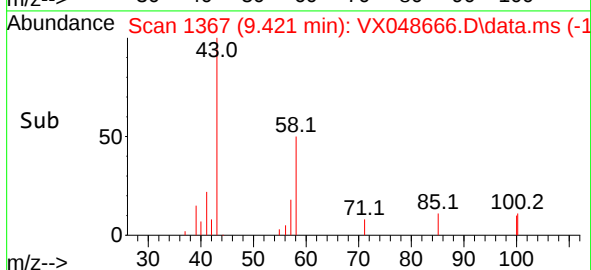
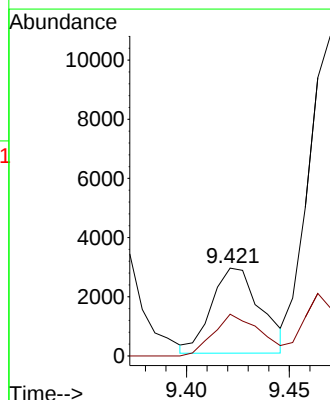
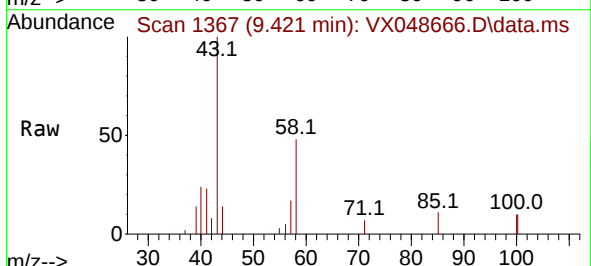
Acq: 24 Nov 2025 16:09

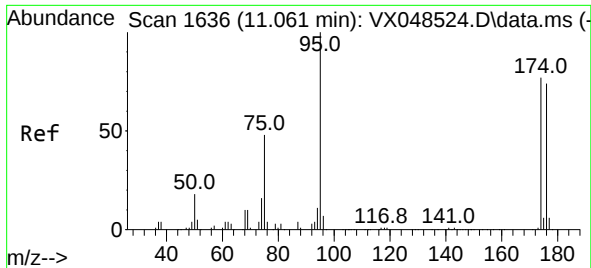
Tgt Ion: 43 Resp: 4773

Ion Ratio Lower Upper

43 100

58 46.8 28.1 84.2

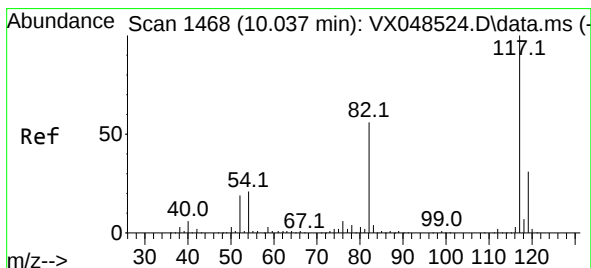
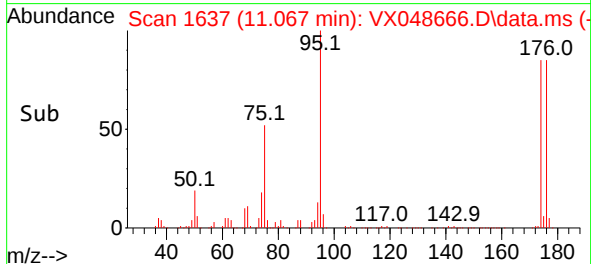
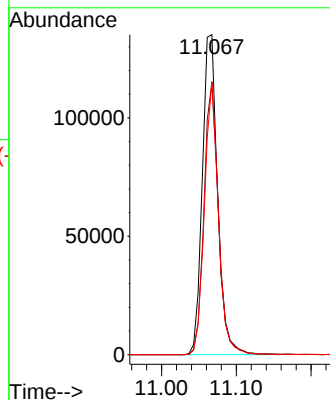
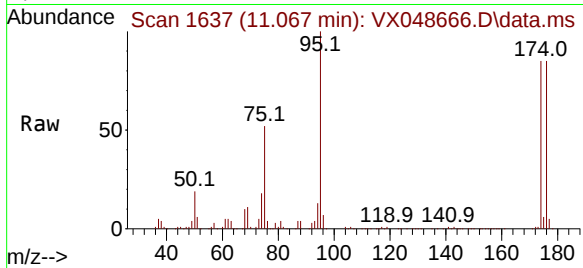




#62  
4-Bromofluorobenzene  
Concen: 56.651 ug/l  
RT: 11.067 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

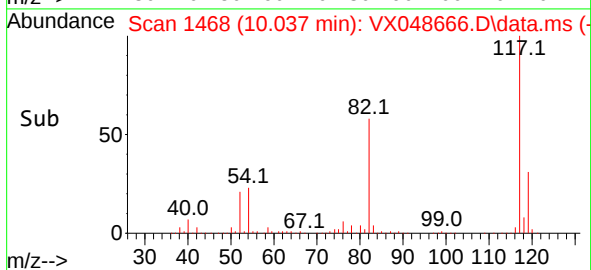
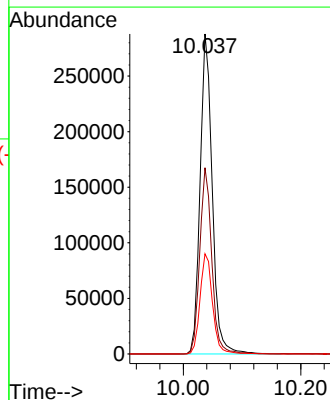
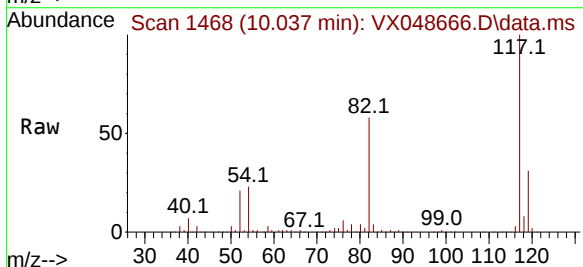
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMPRESSOR-EXCAVATION

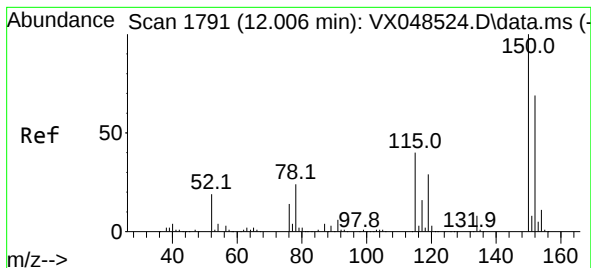
Tgt Ion: 95 Resp: 192169  
Ion Ratio Lower Upper  
95 100  
174 81.0 0.0 161.8  
176 77.8 0.0 153.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VX048666.D  
Acq: 24 Nov 2025 16:09

Tgt Ion: 117 Resp: 412630  
Ion Ratio Lower Upper  
117 100  
82 58.2 44.4 66.6  
119 31.3 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048666.D

Acq: 24 Nov 2025 16:09

Instrument :

MSVOA\_X

ClientSampleId :

COMPRESSOR-EXCAVATION

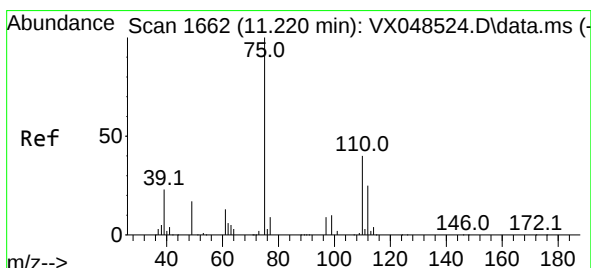
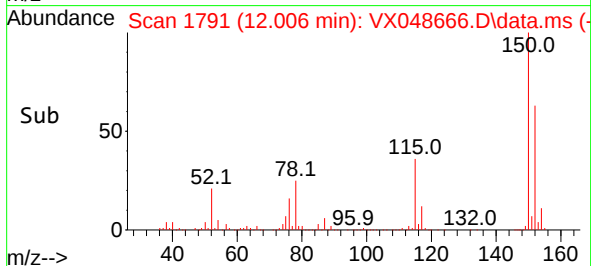
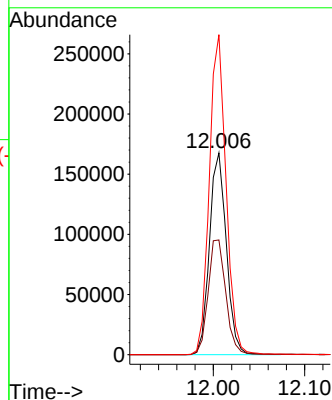
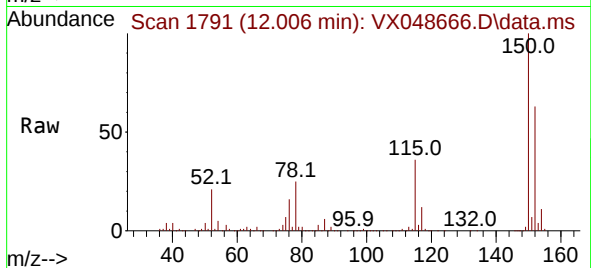
Tgt Ion:152 Resp: 215359

Ion Ratio Lower Upper

152 100

115 59.6 39.2 117.6

150 157.3 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 19.414 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048666.D

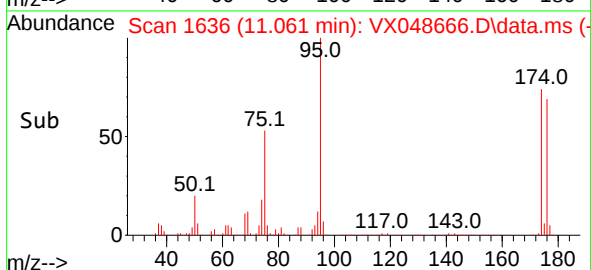
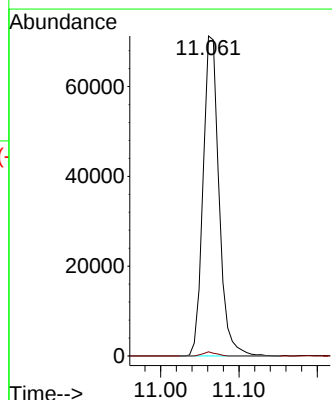
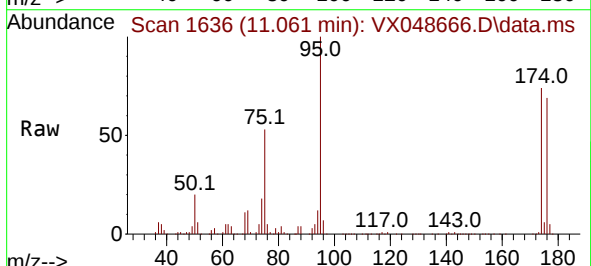
Acq: 24 Nov 2025 16:09

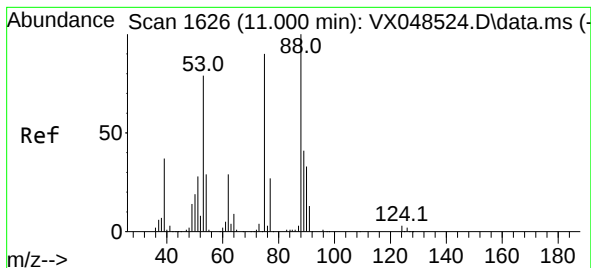
Tgt Ion: 75 Resp: 100726

Ion Ratio Lower Upper

75 100

77 1.0 24.3 72.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 55.530 ug/l

RT: 11.061 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX048666.D

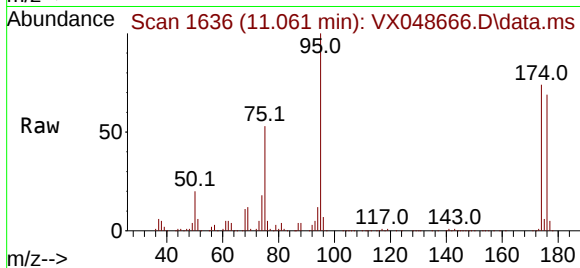
Acq: 24 Nov 2025 16:09

Instrument :

MSVOA\_X

ClientSampleId :

COMPRESSOR-EXCAVATION



Tgt Ion: 75 Resp: 100726

Ion Ratio Lower Upper

75 100

53 0.0 72.4 108.6#

89 0.0 43.6 65.4#

