

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103125\  
 Data File : VY023640.D  
 Acq On : 31 Oct 2025 11:14  
 Operator : SY/MD  
 Sample : Q3491-01  
 Misc : 10.35g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-CUTTINGS-COMP

Quant Time: Nov 01 03:22:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

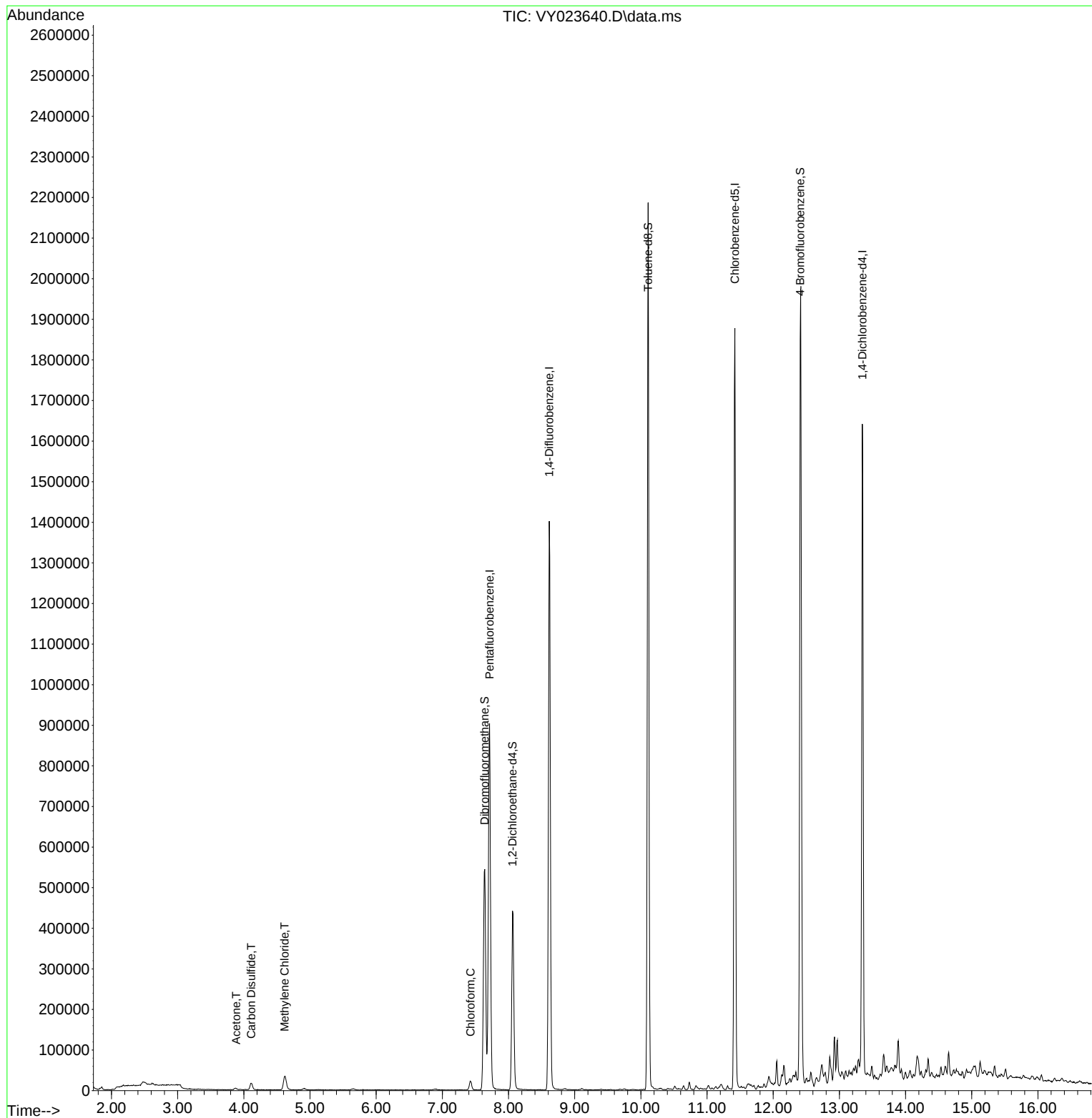
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 7.713          | 168  | 739792              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616          | 114  | 1262237             | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.420         | 117  | 1051239             | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346         | 152  | 435861              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.061          | 65   | 343639              | 55.549 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 111.100% |        |        |          |
| 35) Dibromofluoromethane    | 7.640          | 113  | 395118              | 50.945 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 101.880% |        |        |          |
| 50) Toluene-d8              | 10.109         | 98   | 1422126             | 49.237 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 134 |      | Recovery = 98.480%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.408         | 95   | 422463              | 44.302 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 30 - 143 |      | Recovery = 88.600%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 3.885          | 43   | 6412                | 4.354  | ug/l   | 89       |
| 17) Carbon Disulfide        | 4.110          | 76   | 33995               | 1.800  | ug/l   | 99       |
| 20) Methylene Chloride      | 4.616          | 84   | 28001               | 3.516  | ug/l   | 97       |
| 30) Chloroform              | 7.427          | 83   | 21680               | 1.675  | ug/l   | 97       |
| -----                       |                |      |                     |        |        |          |

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

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Sample : Q3491-01  
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Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
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QLast Update : Wed Oct 08 05:12:50 2025  
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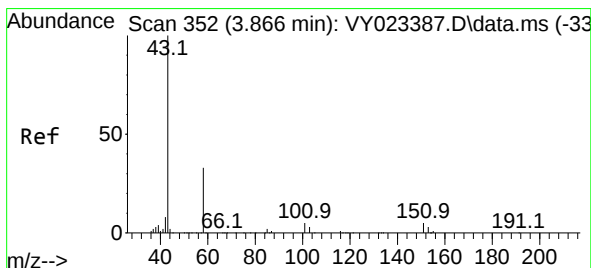
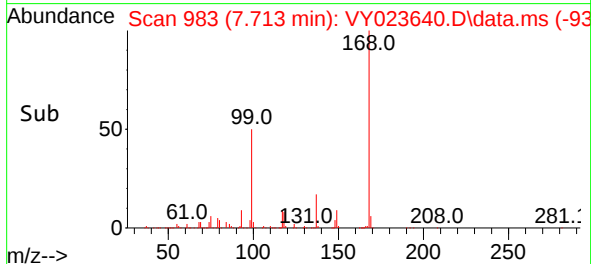
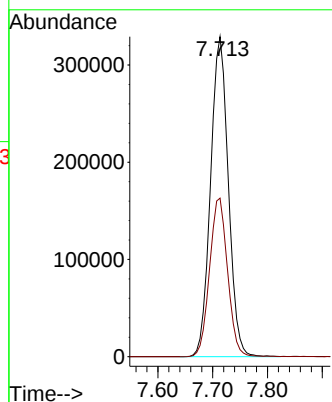
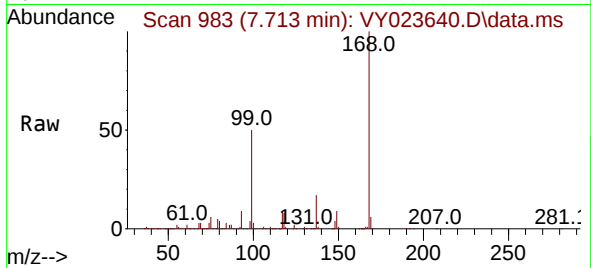




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023640.D  
Acq: 31 Oct 2025 11:14

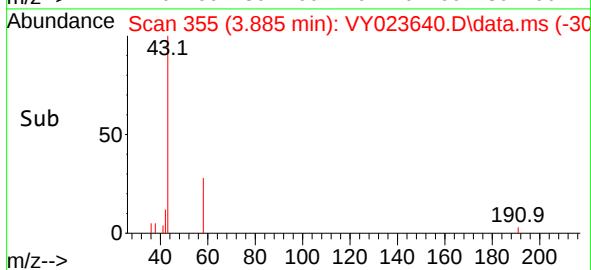
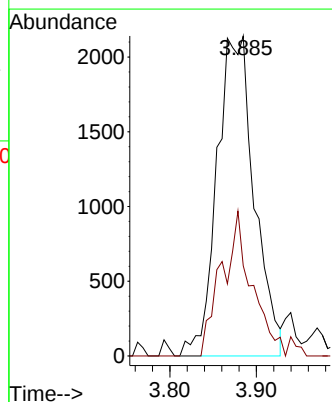
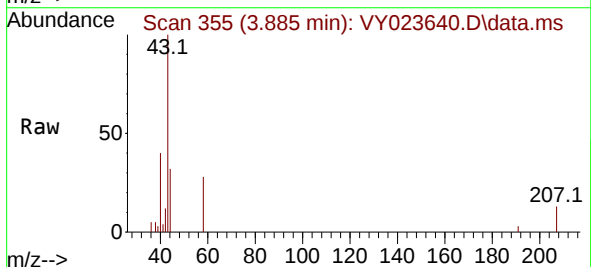
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-CUTTINGS-COMP

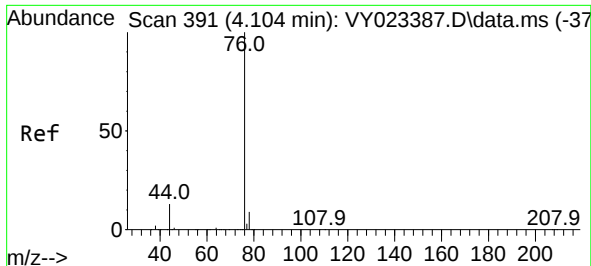
Tgt Ion:168 Resp: 739792  
Ion Ratio Lower Upper  
168 100  
99 49.5 39.7 59.5



#16  
Acetone  
Concen: 4.354 ug/l  
RT: 3.885 min Scan# 355  
Delta R.T. 0.018 min  
Lab File: VY023640.D  
Acq: 31 Oct 2025 11:14

Tgt Ion: 43 Resp: 6412  
Ion Ratio Lower Upper  
43 100  
58 28.2 27.7 41.5

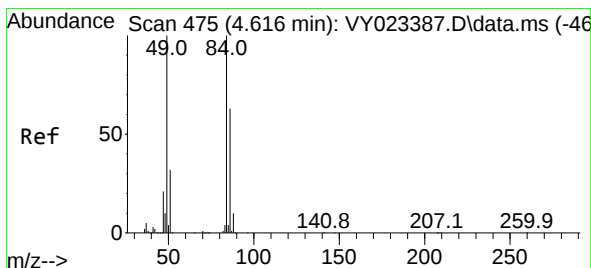
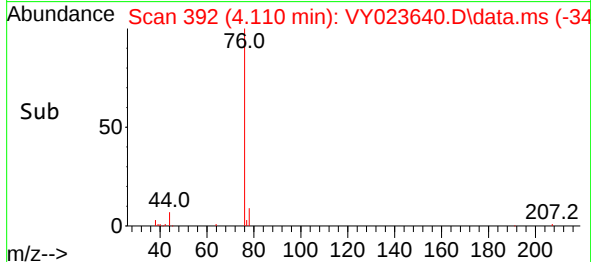
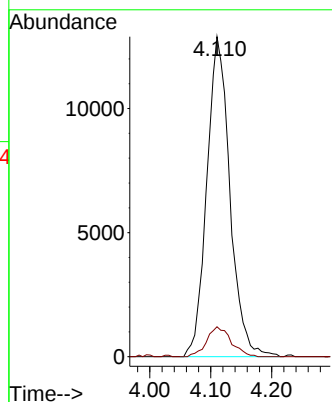
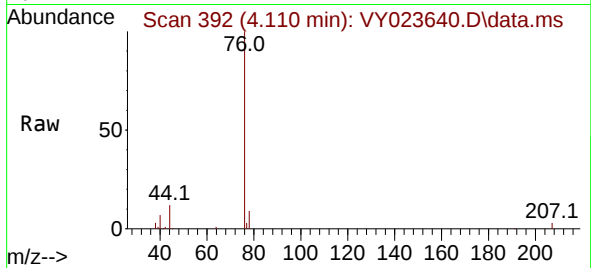




#17  
Carbon Disulfide  
Concen: 1.800 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY023640.D  
Acq: 31 Oct 2025 11:14

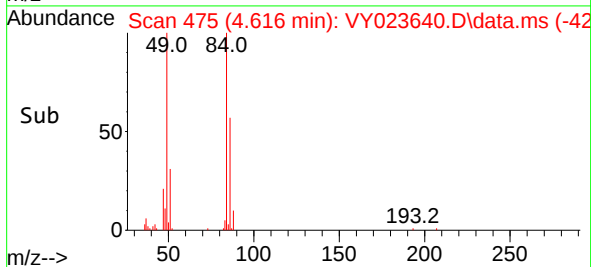
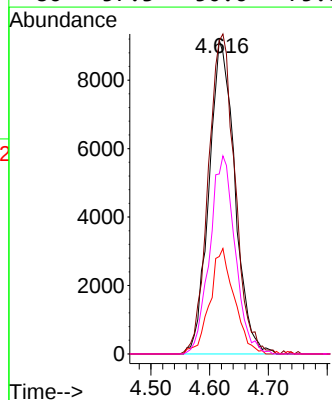
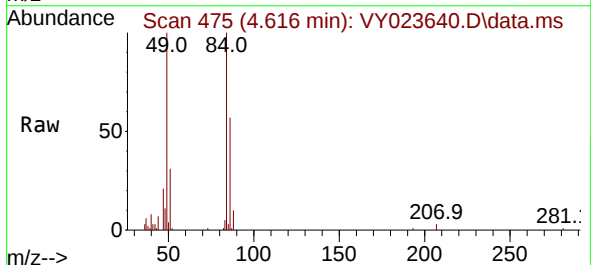
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-CUTTINGS-COMP

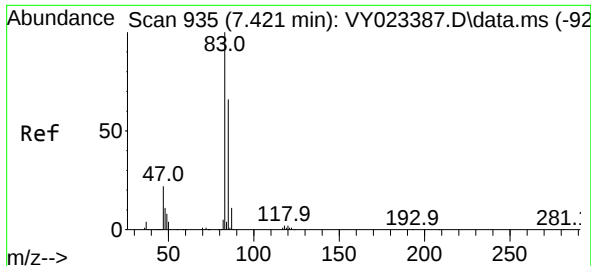
Tgt Ion: 76 Resp: 33995  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.3 10.9



#20  
Methylene Chloride  
Concen: 3.516 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VY023640.D  
Acq: 31 Oct 2025 11:14

Tgt Ion: 84 Resp: 28001  
Ion Ratio Lower Upper  
84 100  
49 99.8 80.2 120.4  
51 31.1 25.9 38.9  
86 57.3 50.6 75.8

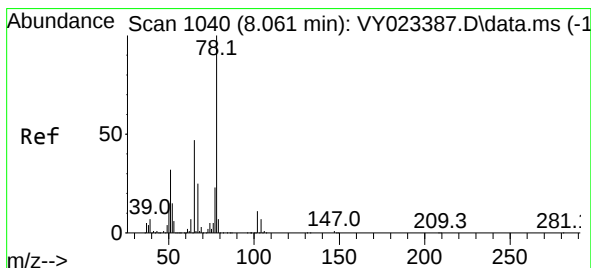
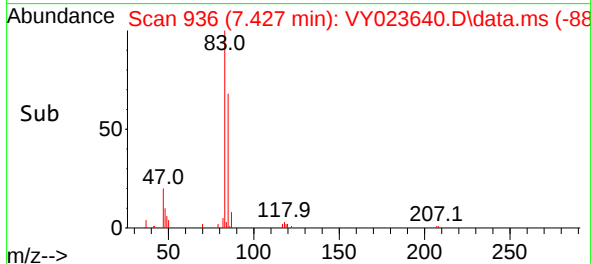
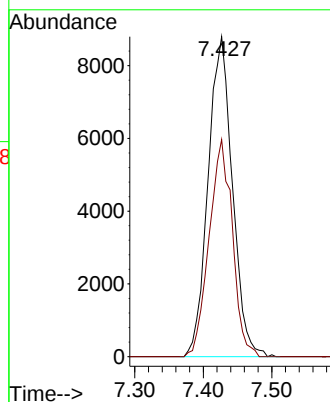
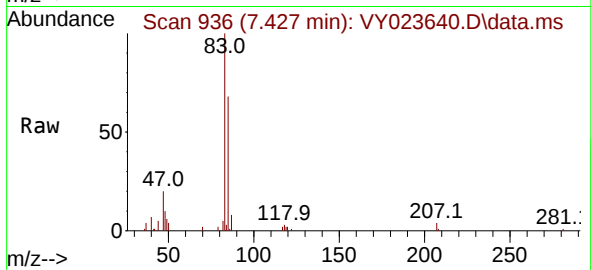




#30  
Chloroform  
Concen: 1.675 ug/l  
RT: 7.427 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023640.D  
Acq: 31 Oct 2025 11:14

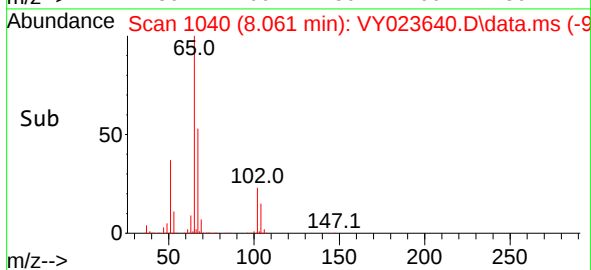
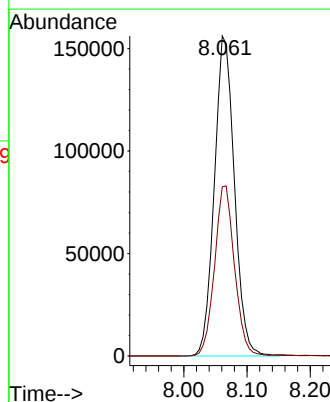
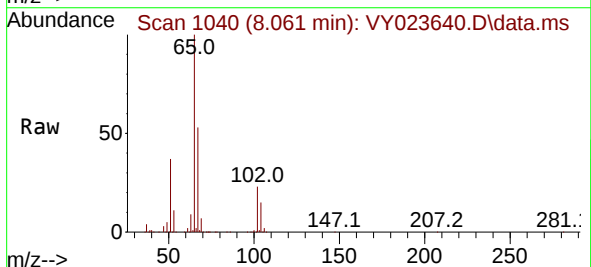
Instrument :  
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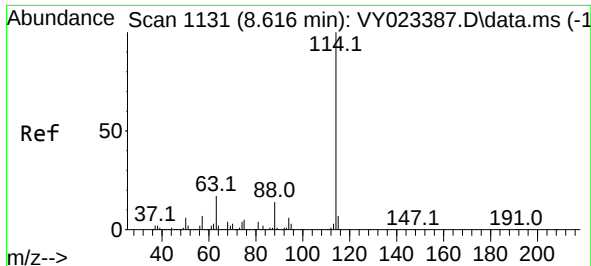
Tgt Ion: 83 Resp: 21680  
Ion Ratio Lower Upper  
83 100  
85 67.8 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 55.549 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY023640.D  
Acq: 31 Oct 2025 11:14

Tgt Ion: 65 Resp: 343639  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.8

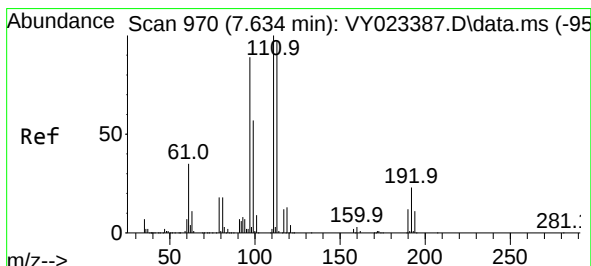
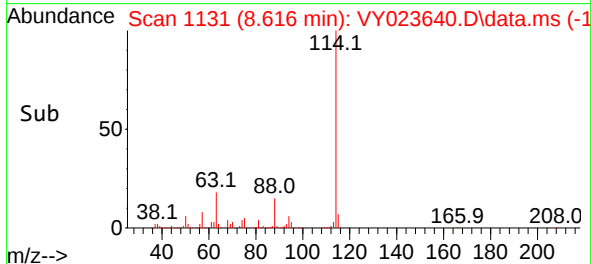
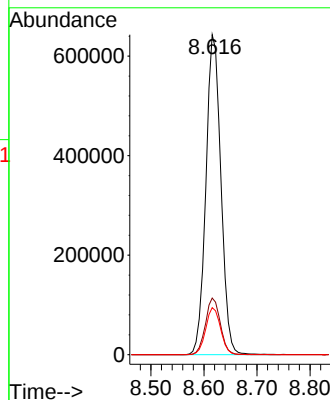
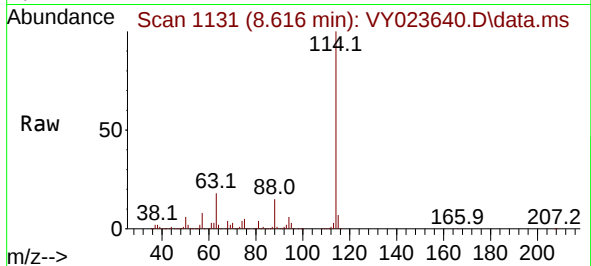




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY023640.D  
Acq: 31 Oct 2025 11:14

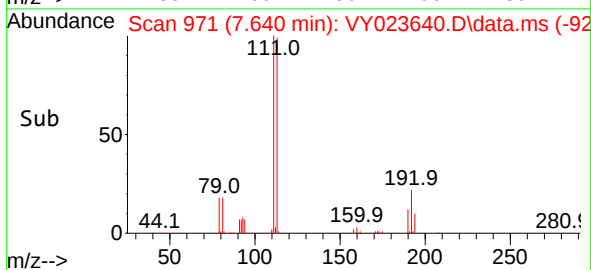
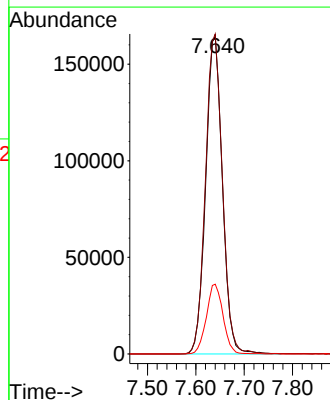
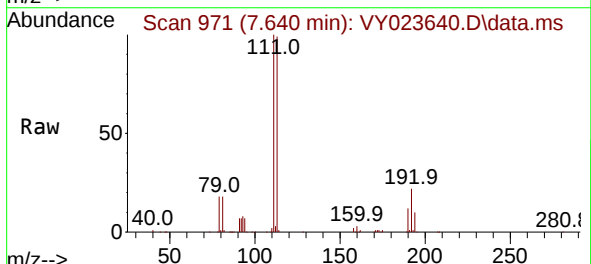
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-CUTTINGS-COMP

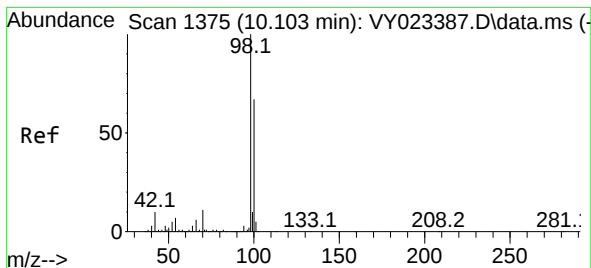
Tgt Ion:114 Resp: 1262237  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 34.2  
88 14.7 0.0 28.4



#35  
Dibromofluoromethane  
Concen: 50.945 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.006 min  
Lab File: VY023640.D  
Acq: 31 Oct 2025 11:14

Tgt Ion:113 Resp: 395118  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.8 122.6  
192 21.9 18.0 27.0





#50

Toluene-d8

Concen: 49.237 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023640.D

Acq: 31 Oct 2025 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

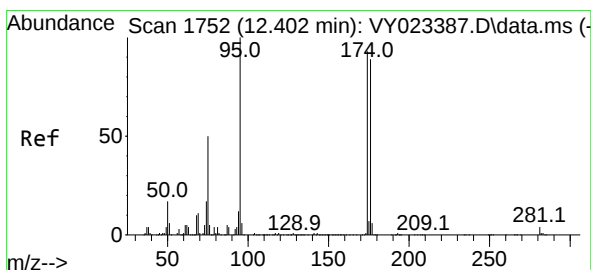
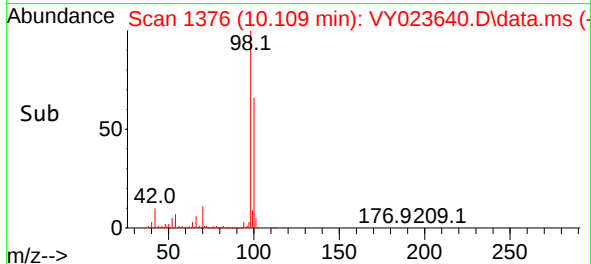
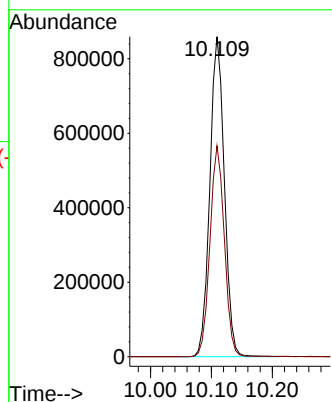
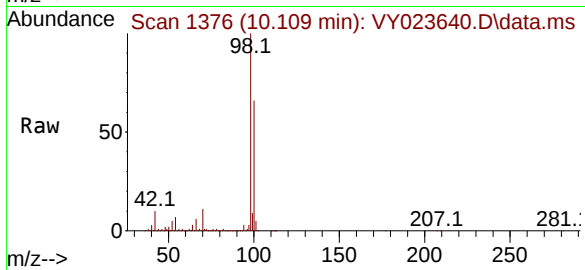
SOIL-CUTTINGS-COMP

Tgt Ion: 98 Resp: 1422126

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 44.302 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023640.D

Acq: 31 Oct 2025 11:14

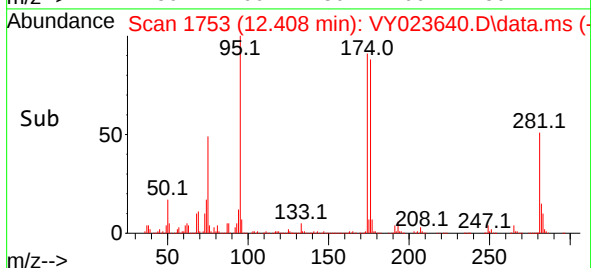
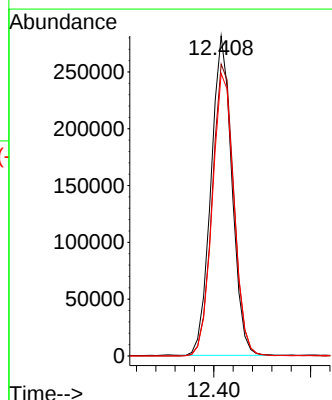
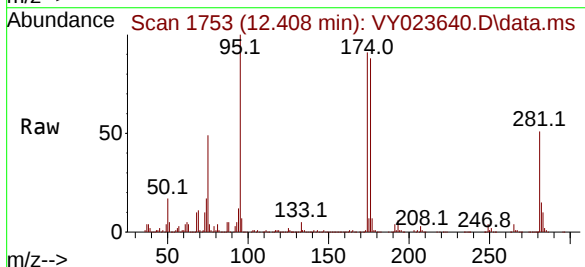
Tgt Ion: 95 Resp: 422463

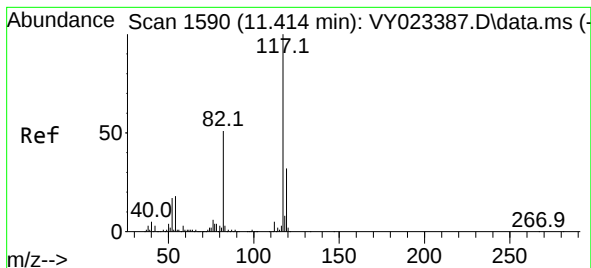
Ion Ratio Lower Upper

95 100

174 94.8 0.0 192.8

176 91.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023640.D

Acq: 31 Oct 2025 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

SOIL-CUTTINGS-COMP

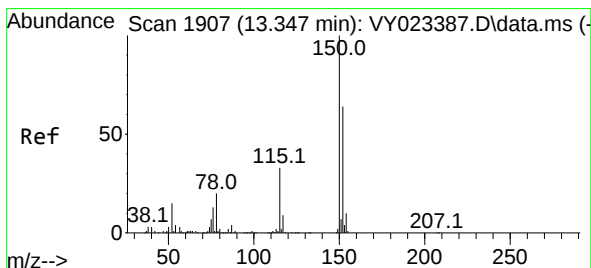
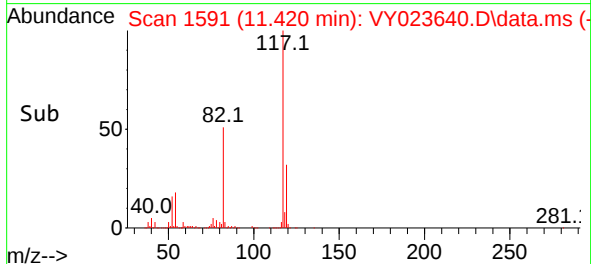
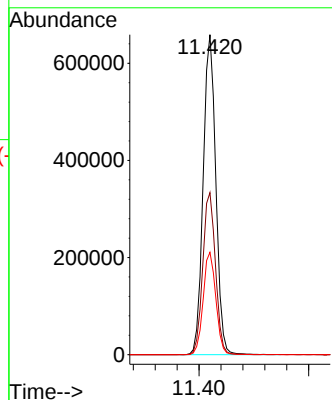
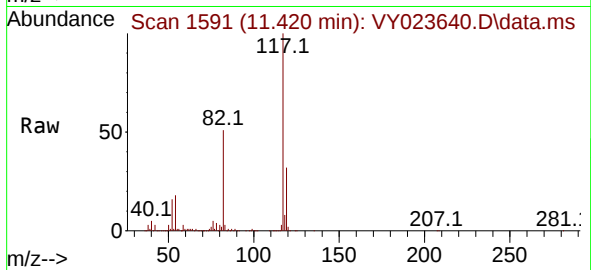
Tgt Ion:117 Resp: 1051239

Ion Ratio Lower Upper

117 100

82 50.6 41.0 61.4

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023640.D

Acq: 31 Oct 2025 11:14

Tgt Ion:152 Resp: 435861

Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.2

150 157.5 0.0 347.4

