

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051625\  
 Data File : VD080369.D  
 Acq On : 16 May 2025 14:14  
 Operator : RP/MD  
 Sample : Q2048-07  
 Misc : 5.56G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 L2-WC-2-VOC

Quant Time: May 17 01:19:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 07 08:57:11 2025  
 Response via : Initial Calibration

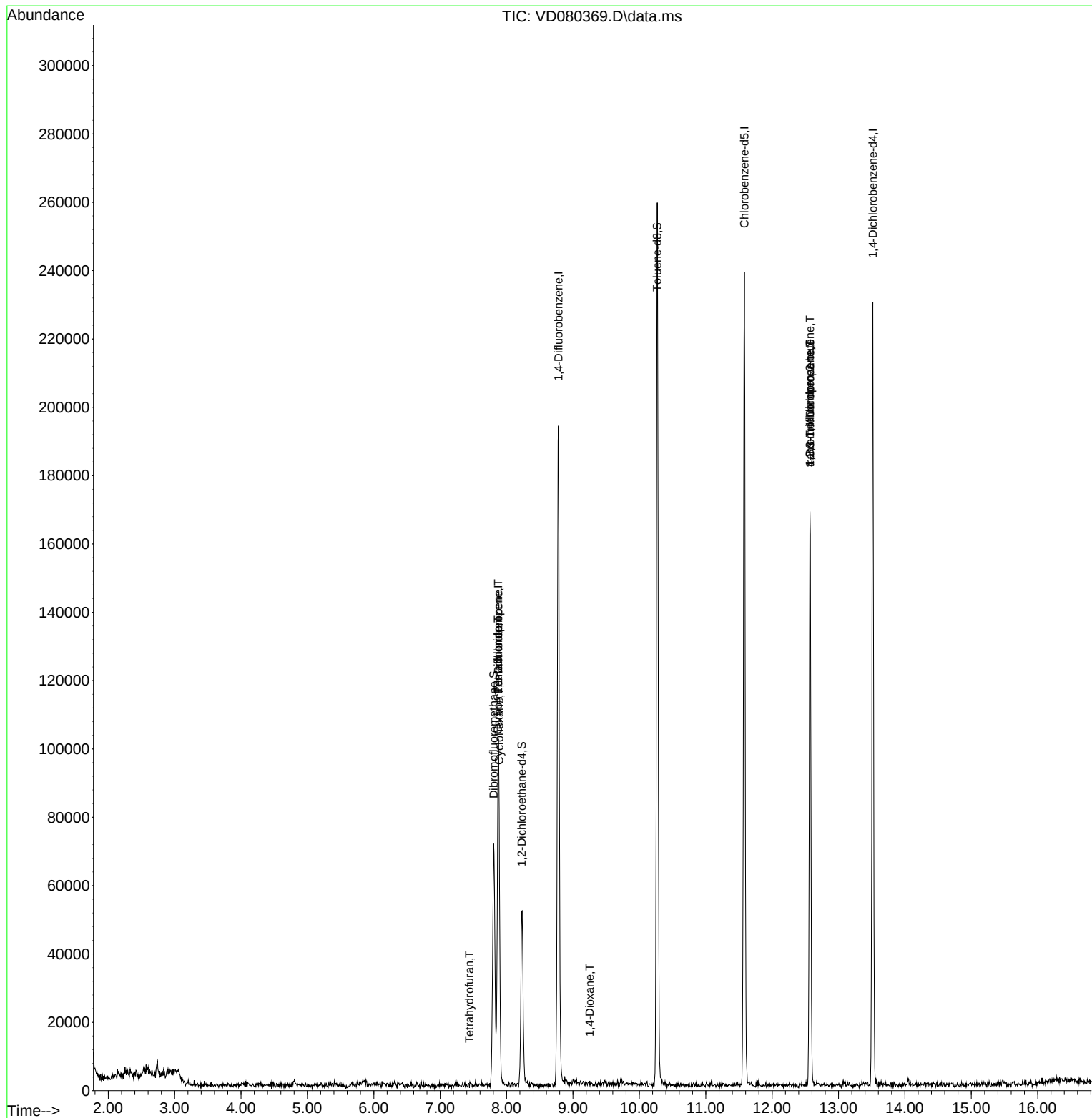
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.876          | 168  | 76543      | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.782          | 114  | 165247     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.582         | 117  | 133542     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.517         | 152  | 60430      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.229          | 65   | 42324      | 42.759    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 85.520%   |        |          |
| 35) Dibromofluoromethane      | 7.805          | 113  | 48993      | 44.236    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 88.480%   |        |          |
| 50) Toluene-d8                | 10.270         | 98   | 179116     | 41.045    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 82.100%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.570         | 95   | 51865      | 37.029    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = | 74.060%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 3) Chloromethane              | 2.153          | 50   | 384        | Below Cal | #      | 13       |
| 16) Acetone                   | 4.011          | 43   | 273        | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.806          | 84   | 969        | Below Cal | #      | 77       |
| 29) Tetrahydrofuran           | 7.441          | 42   | 209        | 1.177     | ug/l # | 32       |
| 31) Cyclohexane               | 7.888          | 56   | 2335       | 1.452     | ug/l # | 48       |
| 36) 1,1-Dichloropropene       | 7.876          | 75   | 6230       | 3.764     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.870          | 117  | 7751       | 4.490     | ug/l # | 14       |
| 49) 1,4-Dioxane               | 9.252          | 88   | 115        | 13.356    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.570         | 75   | 26651      | 45.696    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.570         | 75   | 26651      | 86.738    | ug/l # | 15       |
| -----                         |                |      |            |           |        |          |

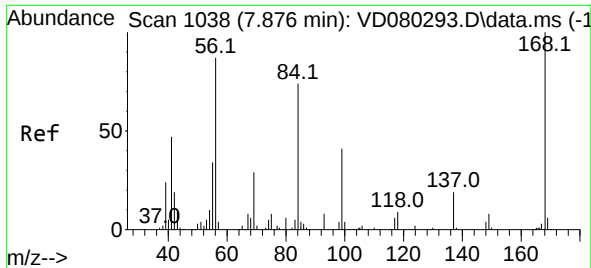
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
L2-WC-2-VOC

Quant Time: May 17 01:19:52 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 07 08:57:11 2025  
Response via : Initial Calibration

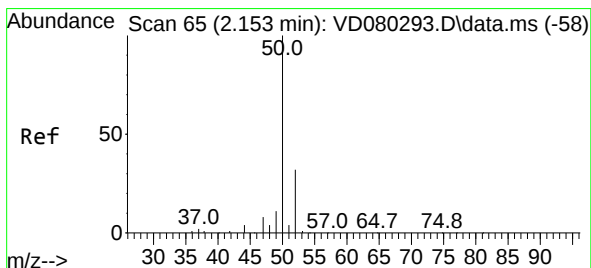
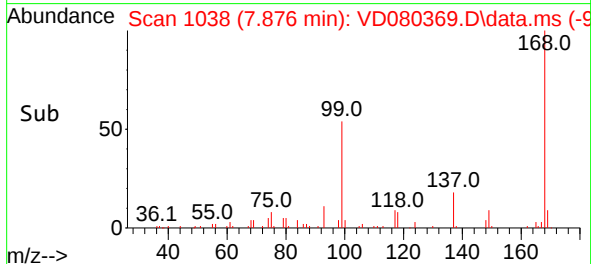
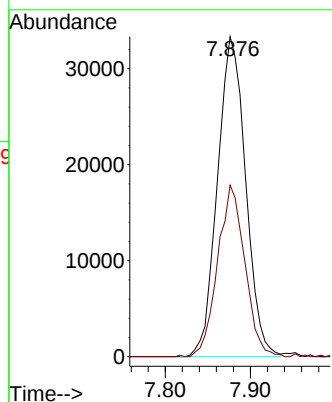
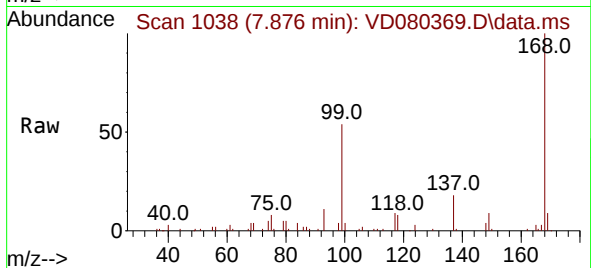




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. 0.001 min  
Lab File: VD080369.D  
Acq: 16 May 2025 14:14

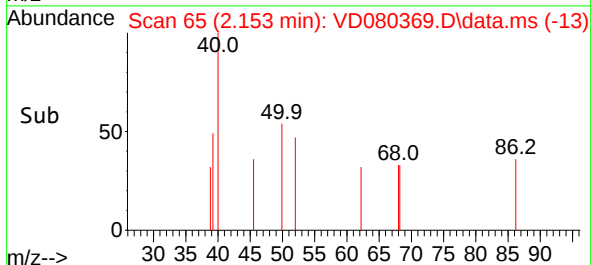
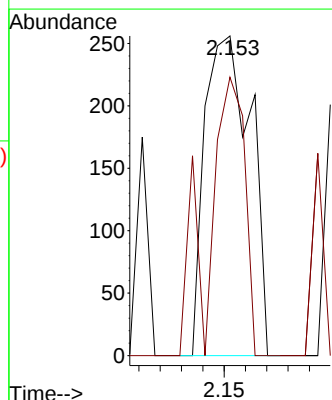
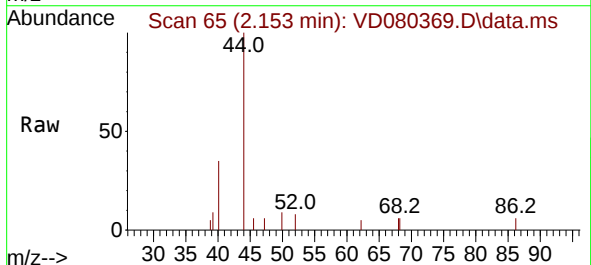
Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-2-VOC

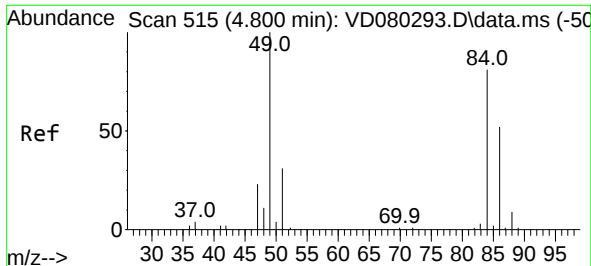
Tgt Ion:168 Resp: 76543  
Ion Ratio Lower Upper  
168 100  
99 53.1 46.0 69.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.153 min Scan# 65  
Delta R.T. 0.007 min  
Lab File: VD080369.D  
Acq: 16 May 2025 14:14

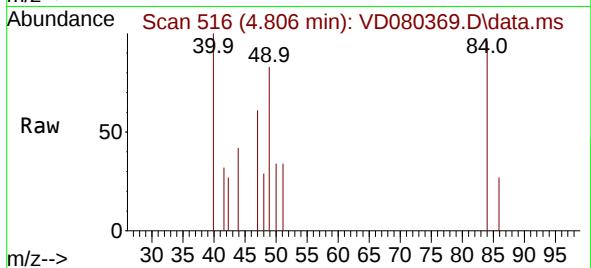
Tgt Ion: 50 Resp: 384  
Ion Ratio Lower Upper  
50 100  
52 87.1 28.8 43.2#



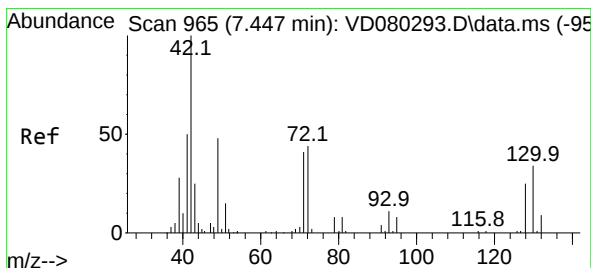
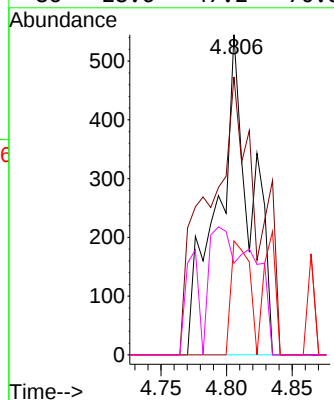


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.806 min Scan# 515  
Delta R.T. 0.001 min  
Lab File: VD080369.D  
Acq: 16 May 2025 14:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-2-VOC

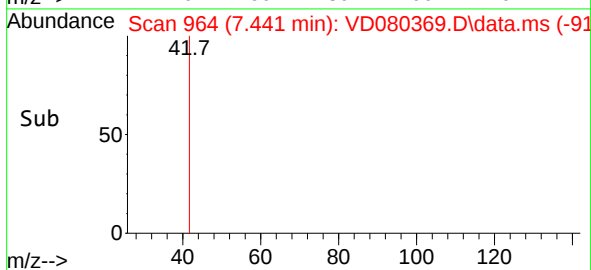
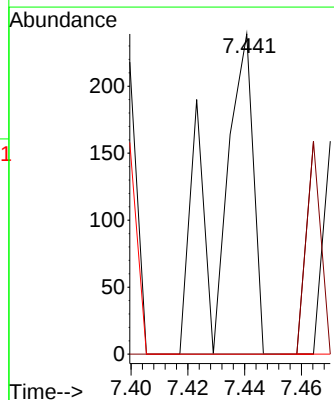
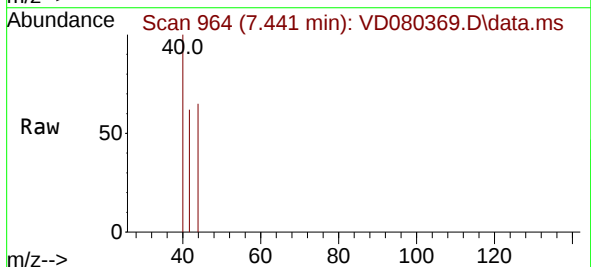


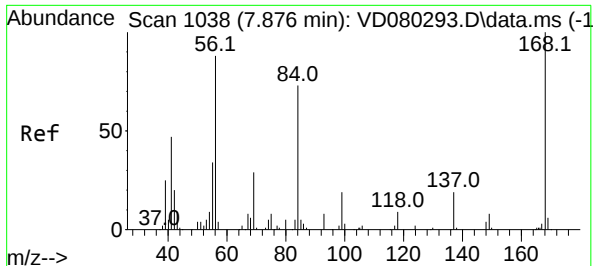
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 969   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 86.8  | 86.5  | 129.7 |
| 51       | 35.6  | 26.9  | 40.3  |
| 86       | 28.6  | 47.2  | 70.8# |



#29  
Tetrahydrofuran  
Concen: 1.177 ug/l  
RT: 7.441 min Scan# 964  
Delta R.T. -0.005 min  
Lab File: VD080369.D  
Acq: 16 May 2025 14:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 209   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 0.0   | 36.7  | 55.1# |
| 71       | 0.0   | 34.4  | 51.6# |

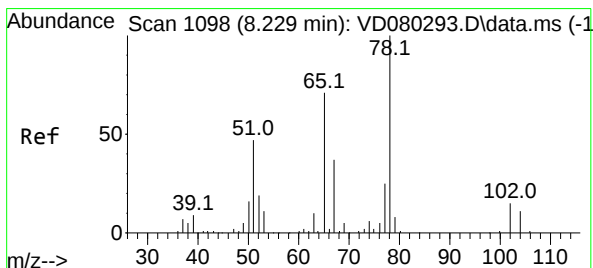
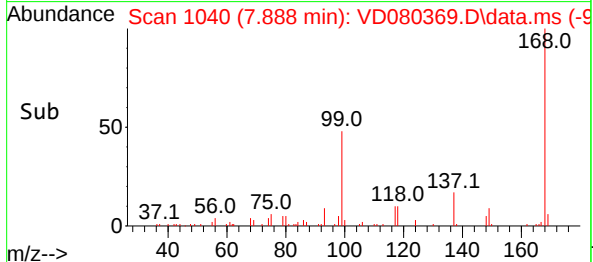
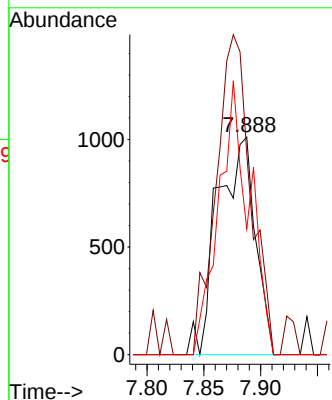
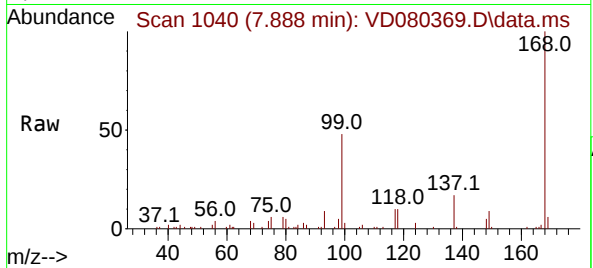




#31  
Cyclohexane  
Concen: 1.452 ug/l  
RT: 7.888 min Scan# 1040  
Delta R.T. 0.007 min  
Lab File: VD080369.D  
Acq: 16 May 2025 14:14

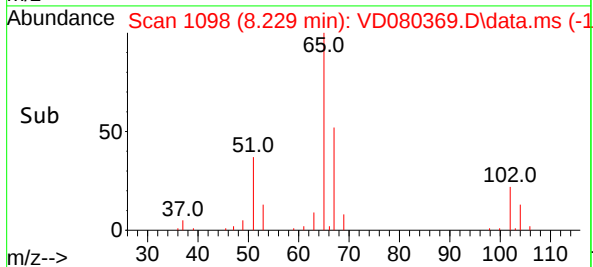
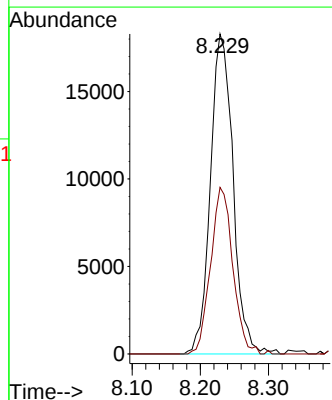
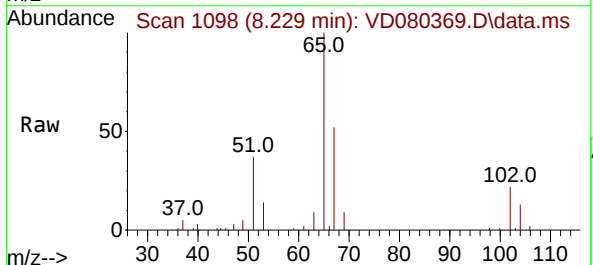
Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-2-VOC

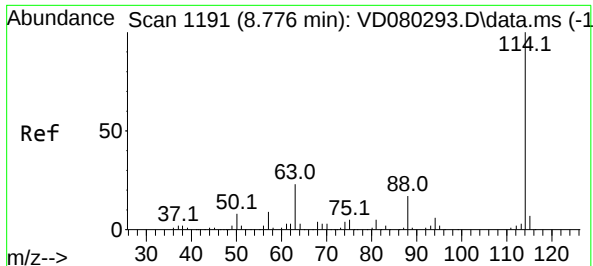
Tgt Ion: 56 Resp: 2335  
Ion Ratio Lower Upper  
56 100  
69 92.2 27.3 40.9#  
84 57.8 70.2 105.4#



#33  
1,2-Dichloroethane-d4  
Concen: 42.759 ug/l  
RT: 8.229 min Scan# 1098  
Delta R.T. 0.001 min  
Lab File: VD080369.D  
Acq: 16 May 2025 14:14

Tgt Ion: 65 Resp: 42324  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1191

Delta R.T. 0.007 min

Lab File: VD080369.D

Acq: 16 May 2025 14:14

Instrument :

MSVOA\_D

ClientSampleId :

L2-WC-2-VOC

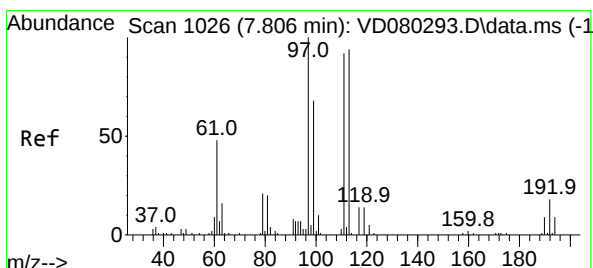
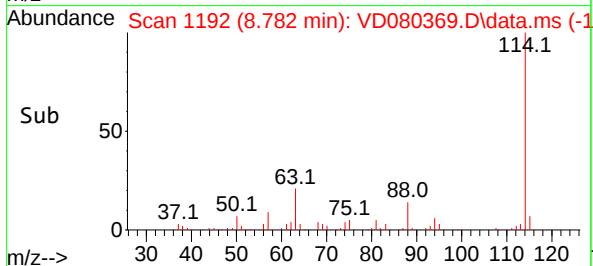
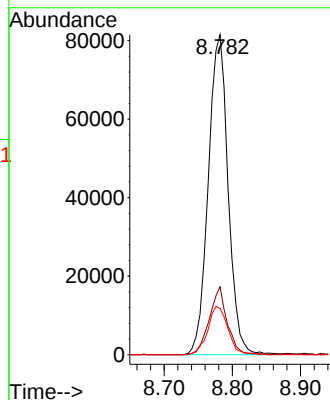
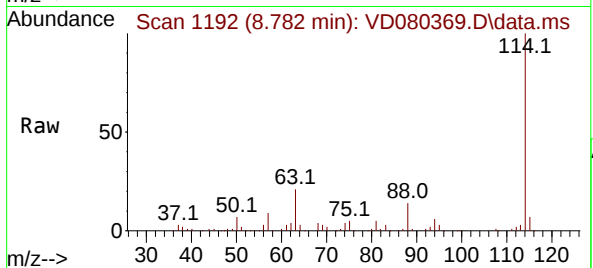
Tgt Ion:114 Resp: 165247

Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.8

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 44.236 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080369.D

Acq: 16 May 2025 14:14

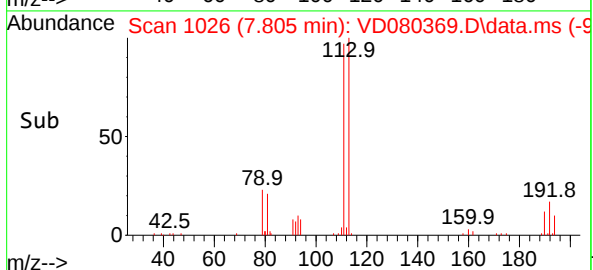
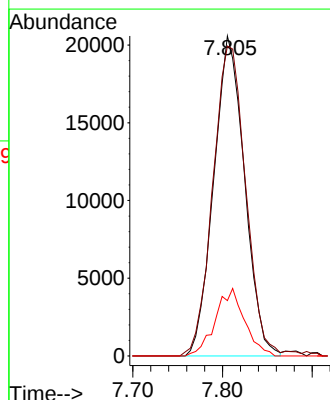
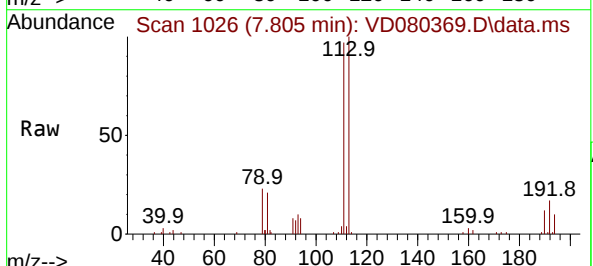
Tgt Ion:113 Resp: 48993

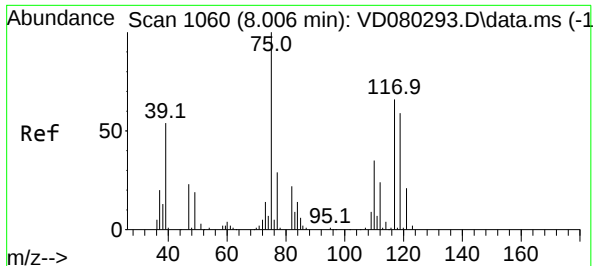
Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

192 20.1 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.764 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080369.D

Acq: 16 May 2025 14:14

Instrument :

MSVOA\_D

ClientSampleId :

L2-WC-2-VOC

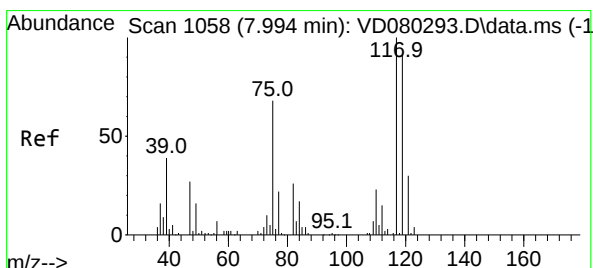
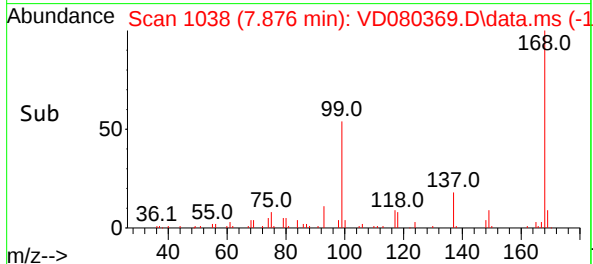
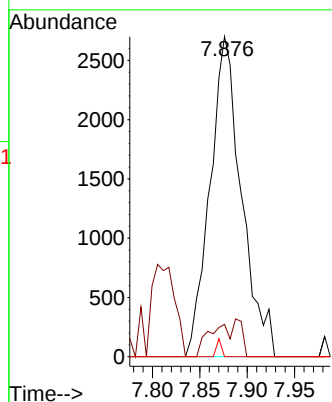
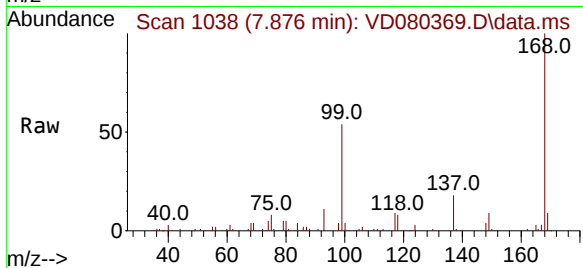
Tgt Ion: 75 Resp: 6230

Ion Ratio Lower Upper

75 100

110 7.0 18.4 55.0#

77 0.9 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 4.490 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.117 min

Lab File: VD080369.D

Acq: 16 May 2025 14:14

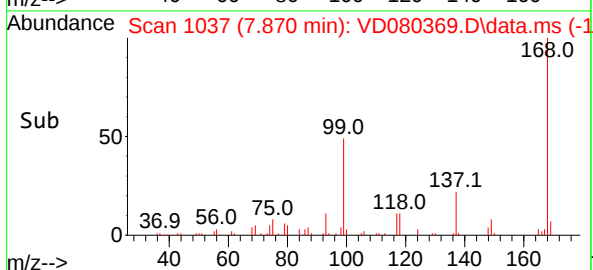
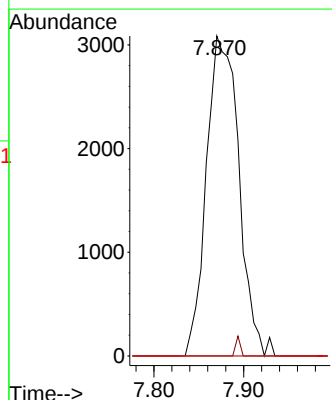
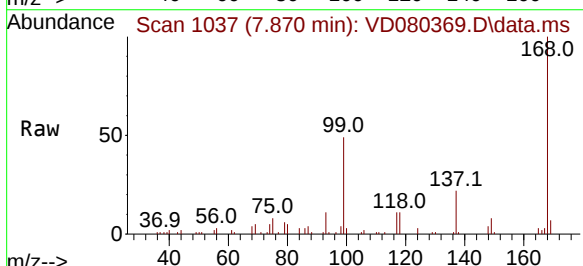
Tgt Ion: 117 Resp: 7751

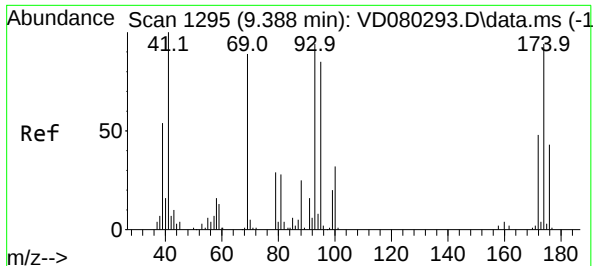
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 13.356 ug/l

RT: 9.252 min Scan# 11

Delta R.T. -0.135 min

Lab File: VD080369.D

Acq: 16 May 2025 14:14

Instrument :

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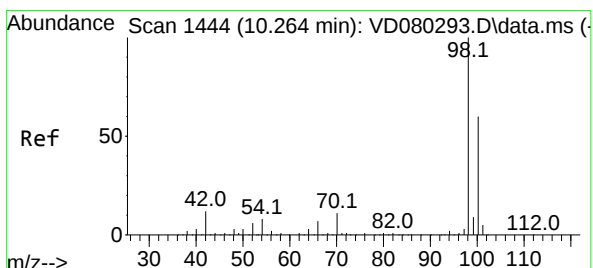
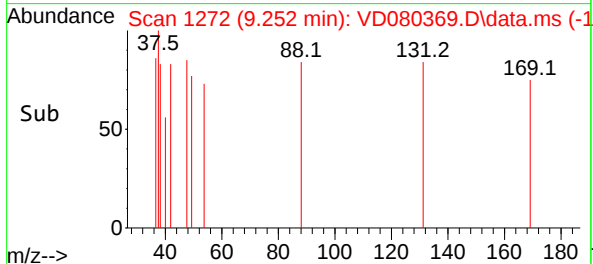
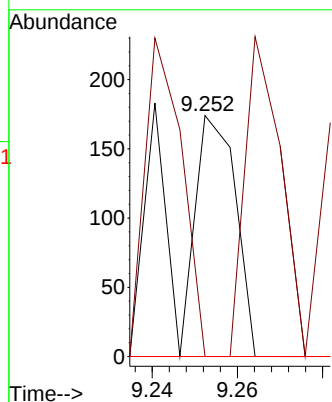
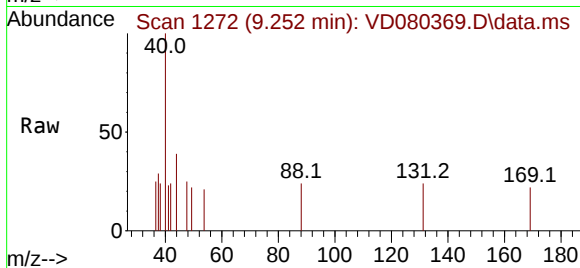
Tgt Ion: 88 Resp: 115

Ion Ratio Lower Upper

88 100

43 169.6 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 41.045 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080369.D

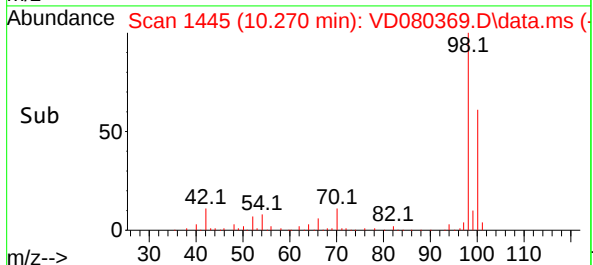
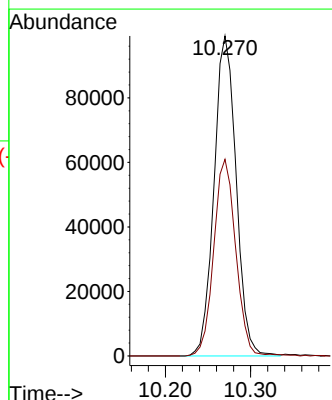
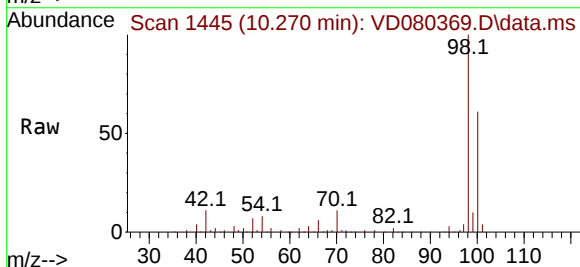
Acq: 16 May 2025 14:14

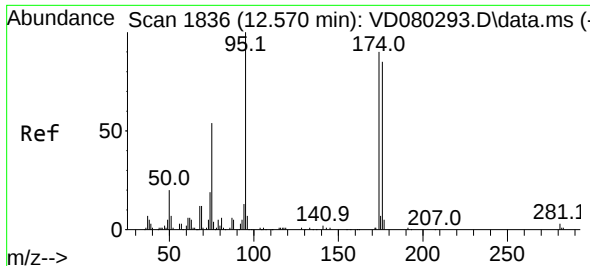
Tgt Ion: 98 Resp: 179116

Ion Ratio Lower Upper

98 100

100 61.3 50.2 75.4

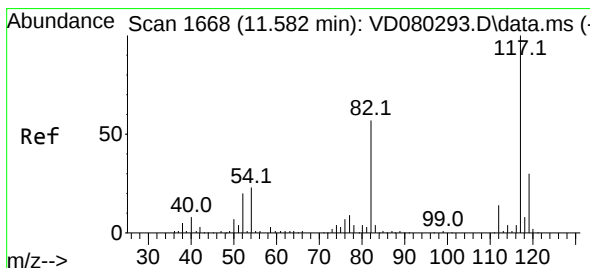
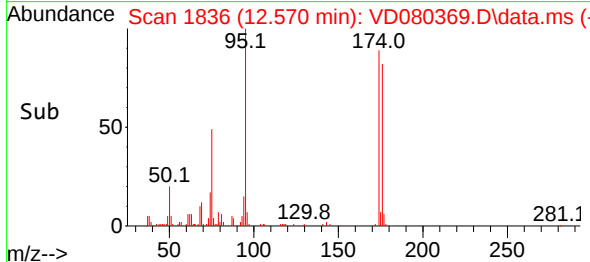
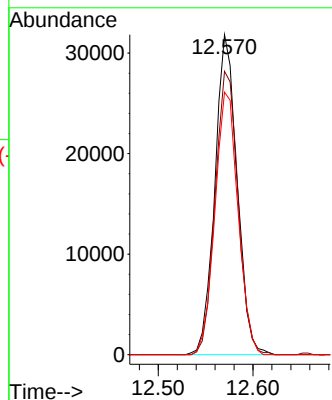
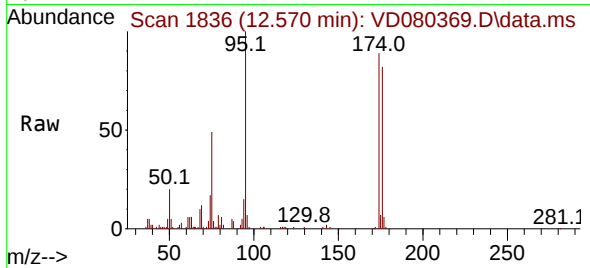




#62  
4-Bromofluorobenzene  
Concen: 37.029 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. 0.001 min  
Lab File: VD080369.D  
Acq: 16 May 2025 14:14

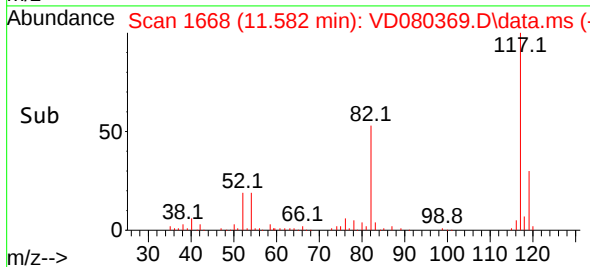
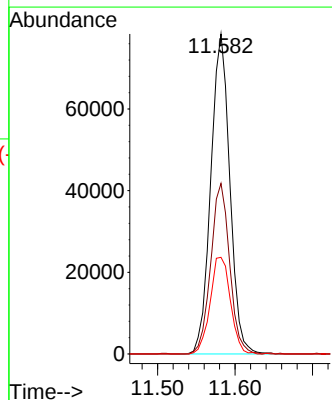
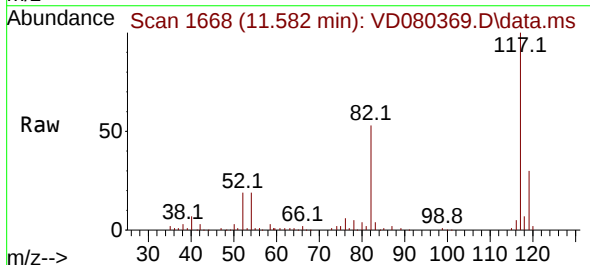
Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-2-VOC

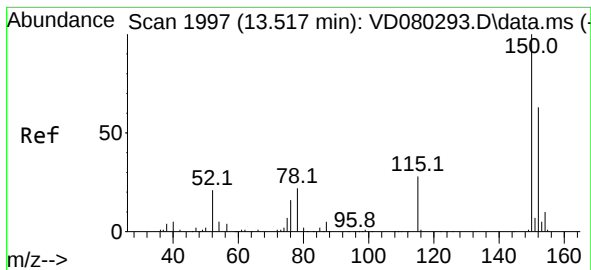
Tgt Ion: 95 Resp: 51865  
Ion Ratio Lower Upper  
95 100  
174 91.4 0.0 173.4  
176 85.4 0.0 166.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.582 min Scan# 1668  
Delta R.T. 0.001 min  
Lab File: VD080369.D  
Acq: 16 May 2025 14:14

Tgt Ion: 117 Resp: 133542  
Ion Ratio Lower Upper  
117 100  
82 53.3 45.8 68.6  
119 30.2 26.2 39.2

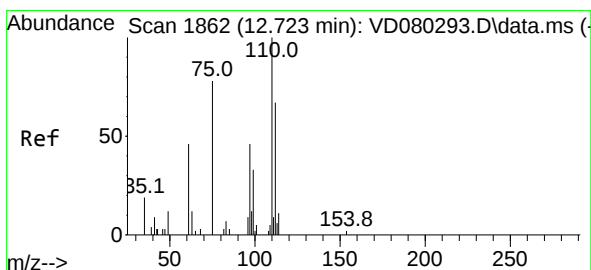
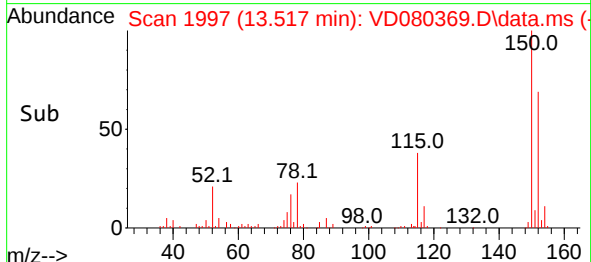
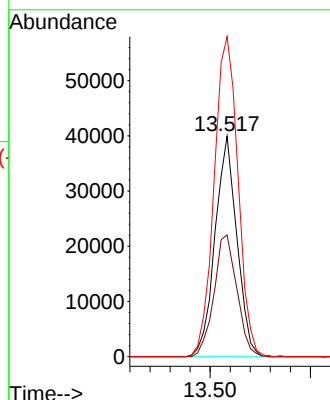
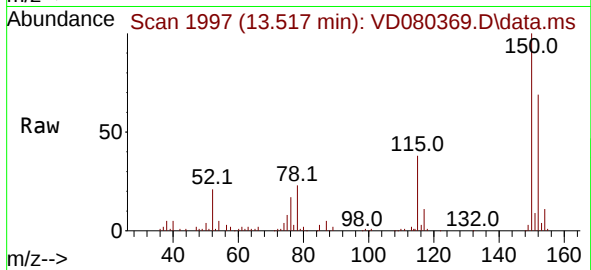




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.517 min Scan# 1997  
 Delta R.T. 0.001 min  
 Lab File: VD080369.D  
 Acq: 16 May 2025 14:14

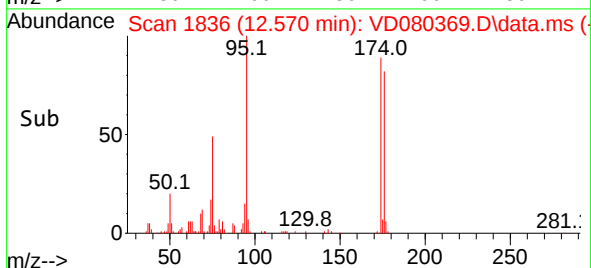
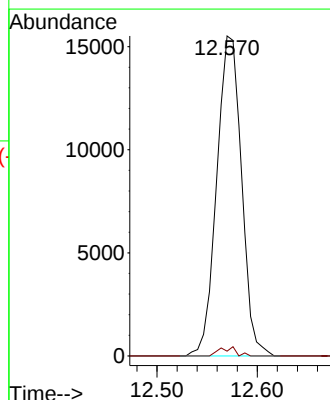
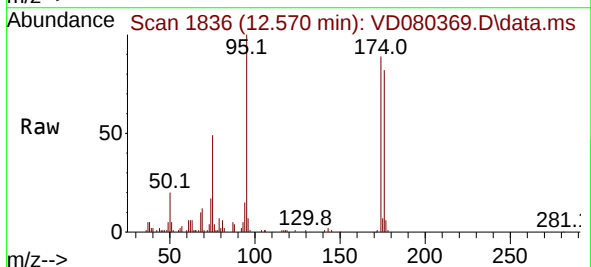
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 L2-WC-2-VOC

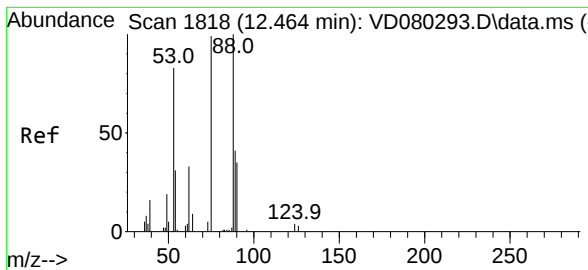
Tgt Ion:152 Resp: 60430  
 Ion Ratio Lower Upper  
 152 100  
 115 57.8 28.9 86.8  
 150 158.1 0.0 354.8



#76  
 1,2,3-Trichloropropane  
 Concen: 45.696 ug/l  
 RT: 12.570 min Scan# 1836  
 Delta R.T. -0.152 min  
 Lab File: VD080369.D  
 Acq: 16 May 2025 14:14

Tgt Ion: 75 Resp: 26651  
 Ion Ratio Lower Upper  
 75 100  
 77 1.9 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 86.738 ug/l  
 RT: 12.570 min Scan# 11  
 Delta R.T. 0.101 min  
 Lab File: VD080369.D  
 Acq: 16 May 2025 14:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 L2-WC-2-VOC

Tgt Ion: 75 Resp: 26651  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 68.7 103.1#  
 89 0.0 36.1 54.1#

