

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051625\  
 Data File : VD080371.D  
 Acq On : 16 May 2025 15:06  
 Operator : RP/MD  
 Sample : Q2048-15  
 Misc : 6.10G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 L2-WC-4-VOC

Quant Time: May 17 01:20:31 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

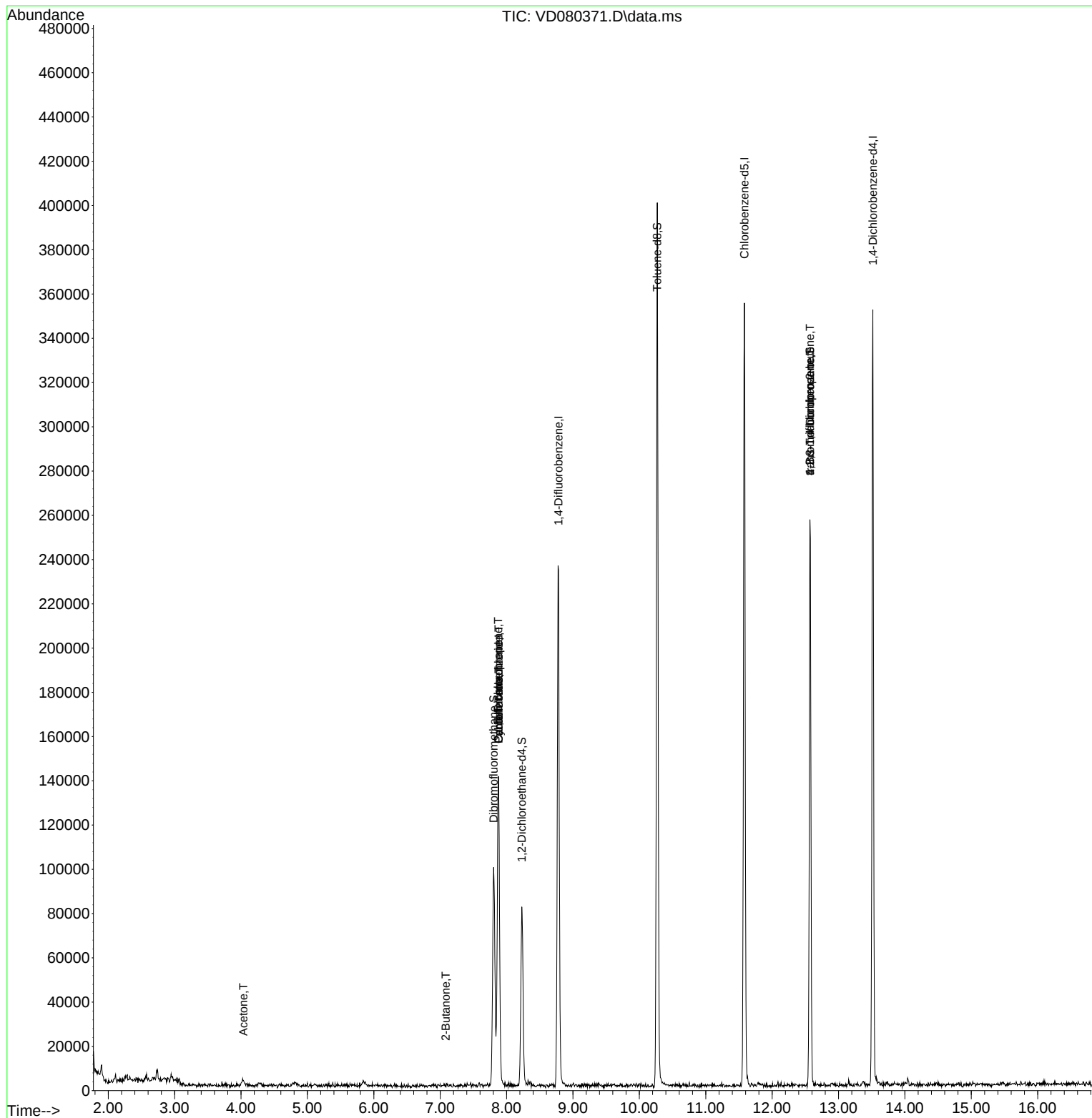
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.882  | 168   | 108605   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.782  | 114   | 200131   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.582 | 117   | 199401   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.517 | 152   | 93301    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.229  | 65    | 64582    | 45.984    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 91.960%  |
| 35) Dibromofluoromethane      | 7.805  | 113   | 69735    | 51.989    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 103.980% |
| 50) Toluene-d8                | 10.270 | 98    | 261690   | 49.515    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 99.020%  |
| 62) 4-Bromofluorobenzene      | 12.570 | 95    | 80813    | 47.639    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 95.280%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.918  | 85    | 109      | Below Cal | #      | 43       |
| 3) Chloromethane              | 2.153  | 50    | 190      | Below Cal | #      | 39       |
| 16) Acetone                   | 4.035  | 43    | 5323     | 5.230     | ug/l   | 92       |
| 20) Methylene Chloride        | 4.817  | 84    | 476      | Below Cal | #      | 80       |
| 25) 2-Butanone                | 7.082  | 43    | 486      | 1.258     | ug/l   | # 47     |
| 31) Cyclohexane               | 7.882  | 56    | 3239     | 1.420     | ug/l   | # 46     |
| 36) 1,1-Dichloropropene       | 7.876  | 75    | 9991     | 4.984     | ug/l   | # 45     |
| 38) Carbon Tetrachloride      | 7.882  | 117   | 10280    | 4.917     | ug/l   | # 17     |
| 76) 1,2,3-Trichloropropane    | 12.570 | 75    | 41201    | 45.755    | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.570 | 75    | 41201    | 86.850    | ug/l   | # 15     |
| -----                         |        |       |          |           |        |          |

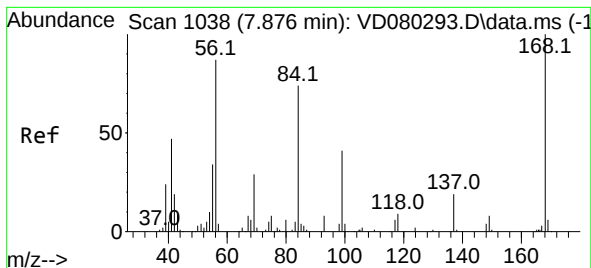
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051625\  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-4-VOC

Quant Time: May 17 01:20:31 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

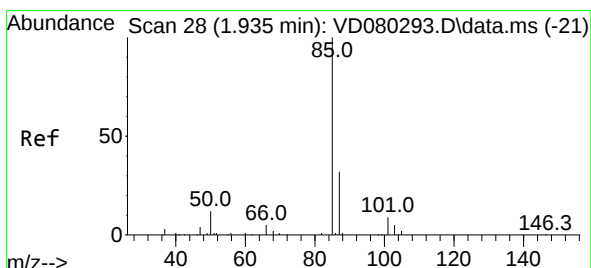
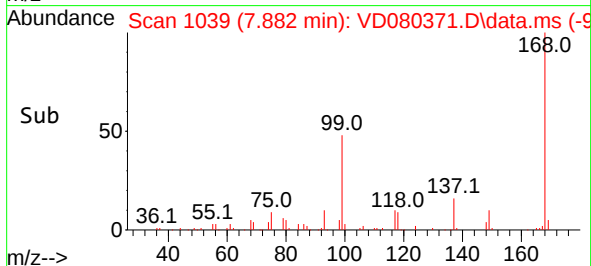
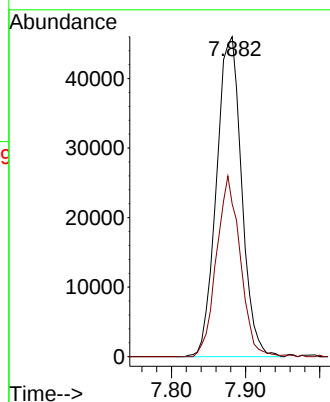
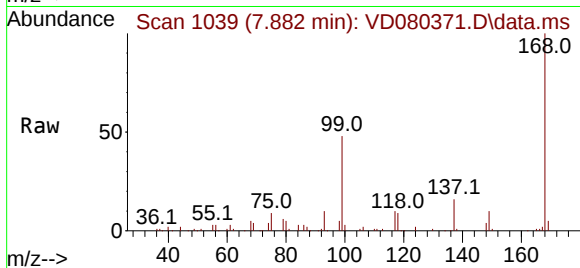




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.882 min Scan# 10  
Delta R.T. 0.007 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

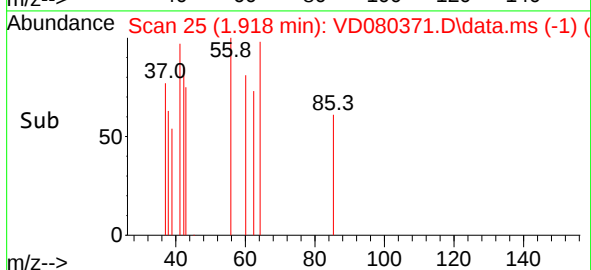
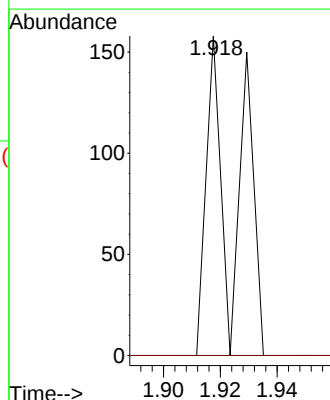
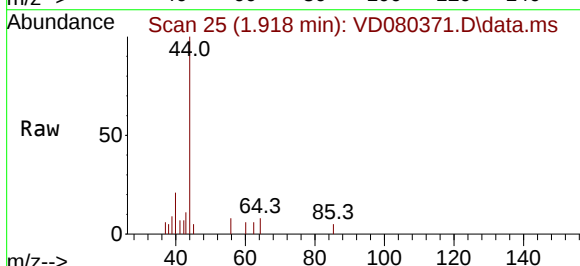
Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-4-VOC

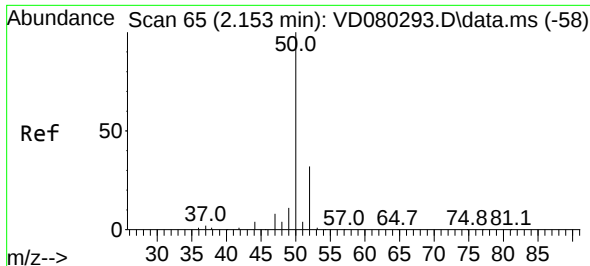
Tgt Ion:168 Resp: 108605  
Ion Ratio Lower Upper  
168 100  
99 47.7 46.0 69.0



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.918 min Scan# 25  
Delta R.T. -0.016 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

Tgt Ion: 85 Resp: 109  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#

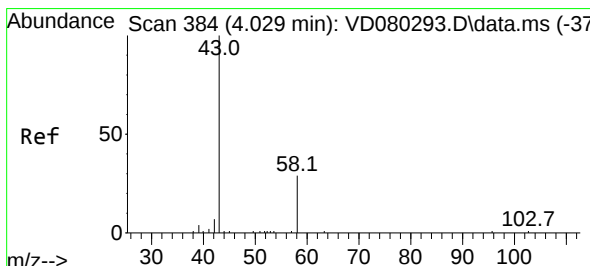
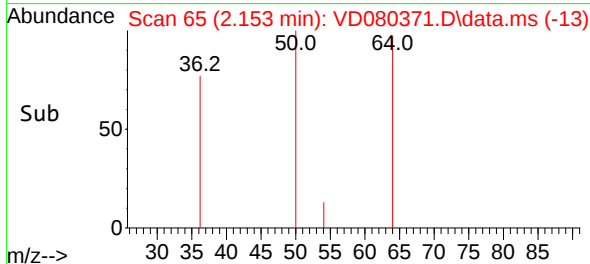
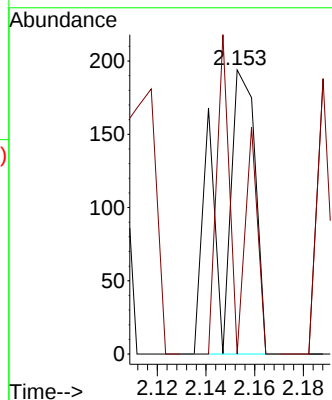
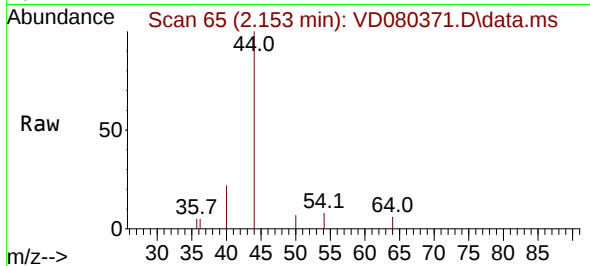




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.153 min Scan# 61  
Delta R.T. 0.007 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

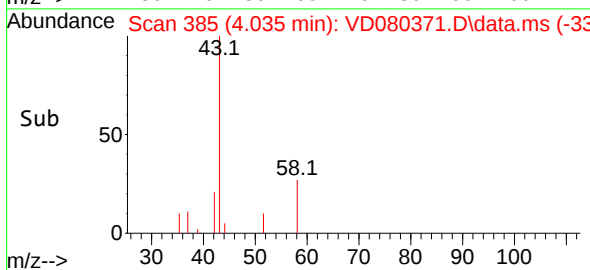
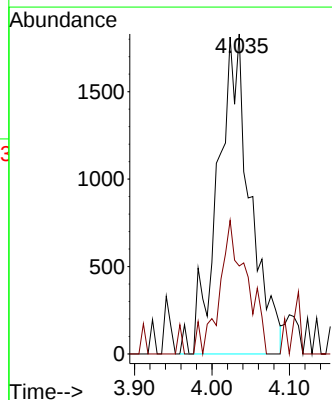
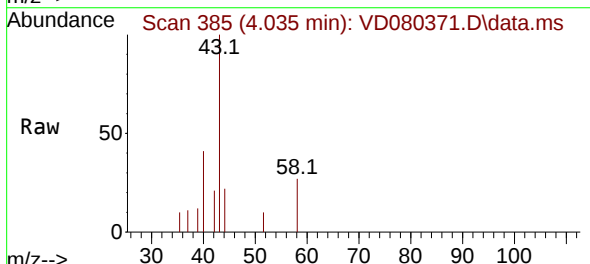
Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-4-VOC

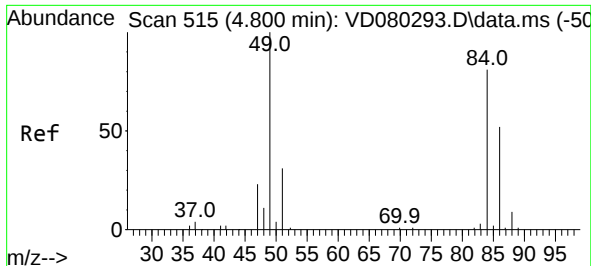
Tgt Ion: 50 Resp: 190  
Ion Ratio Lower Upper  
50 100  
52 0.0 28.8 43.2#



#16  
Acetone  
Concen: 5.230 ug/l  
RT: 4.035 min Scan# 385  
Delta R.T. 0.012 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

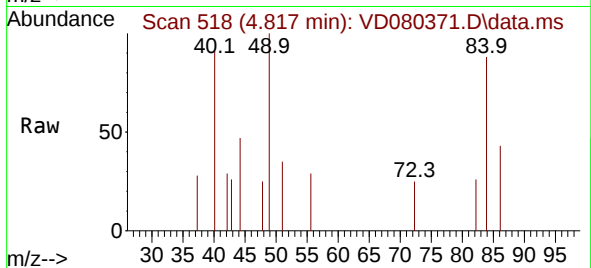
Tgt Ion: 43 Resp: 5323  
Ion Ratio Lower Upper  
43 100  
58 27.5 25.4 38.2



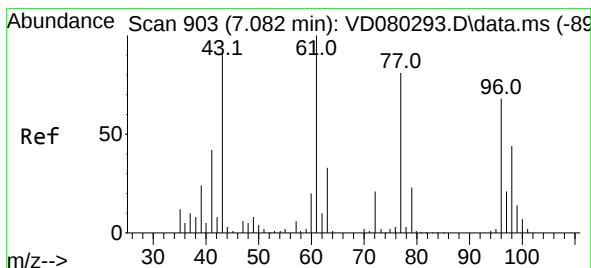
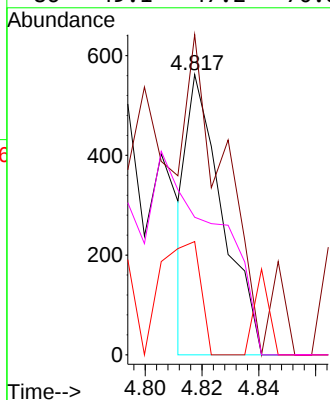
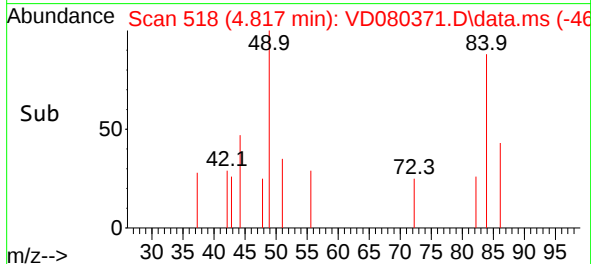


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.817 min Scan# 515  
Delta R.T. 0.012 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-4-VOC

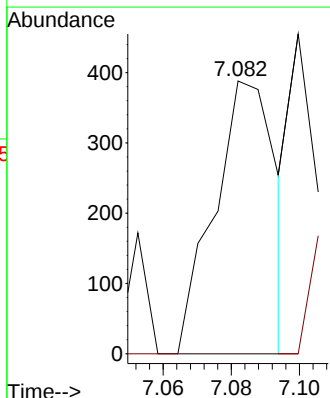
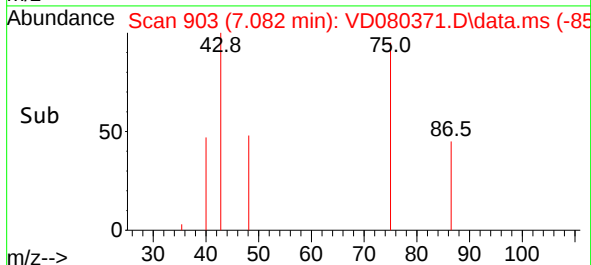
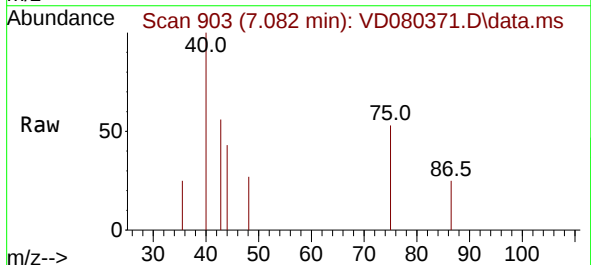


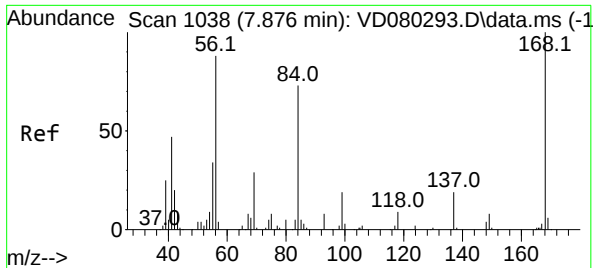
Tgt Ion: 84 Resp: 476  
Ion Ratio Lower Upper  
84 100  
49 81.0 86.5 129.7#  
51 40.4 26.9 40.3#  
86 49.1 47.2 70.8



#25  
2-Butanone  
Concen: 1.258 ug/l  
RT: 7.082 min Scan# 903  
Delta R.T. -0.005 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

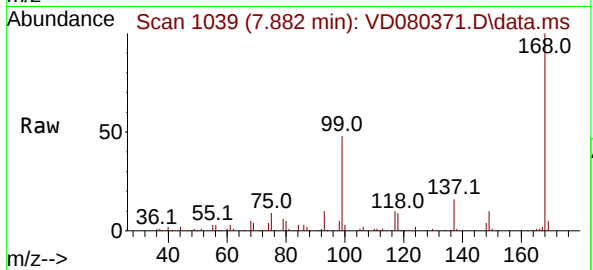
Tgt Ion: 43 Resp: 486  
Ion Ratio Lower Upper  
43 100  
72 0.0 22.3 33.5#



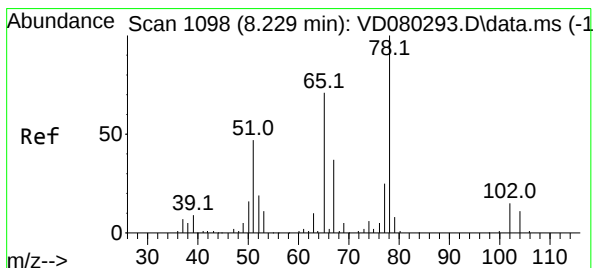
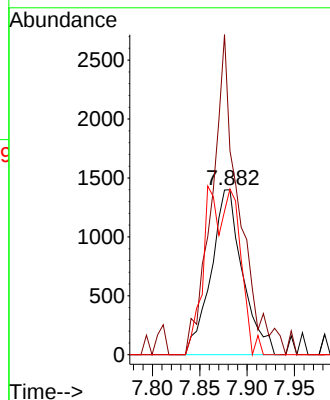
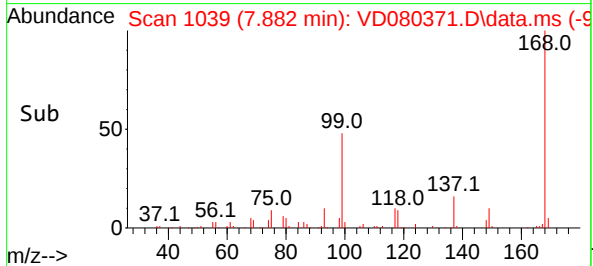


#31  
Cyclohexane  
Concen: 1.420 ug/l  
RT: 7.882 min Scan# 1038  
Delta R.T. 0.001 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-4-VOC

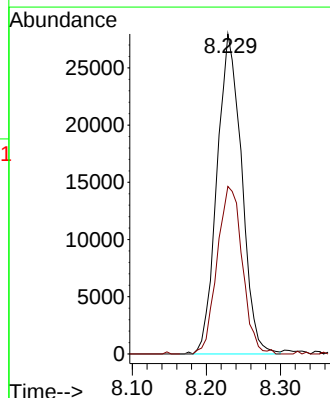
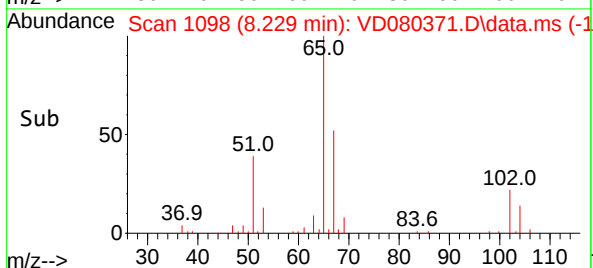
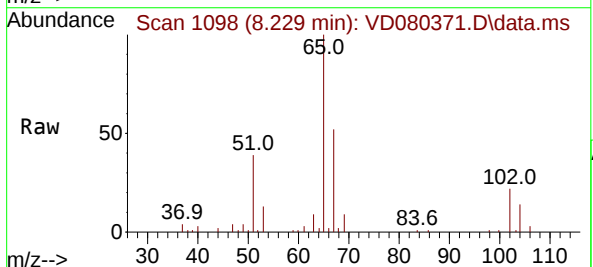


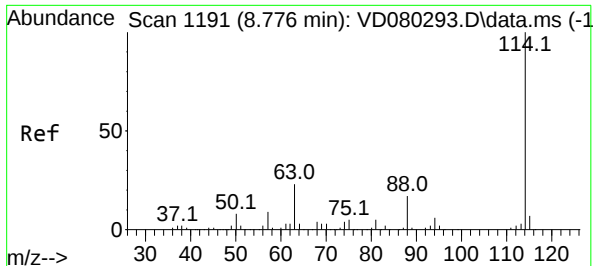
Tgt Ion: 56 Resp: 3239  
Ion Ratio Lower Upper  
56 100  
69 123.6 27.3 40.9#  
84 100.5 70.2 105.4



#33  
1,2-Dichloroethane-d4  
Concen: 45.984 ug/l  
RT: 8.229 min Scan# 1098  
Delta R.T. 0.001 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

Tgt Ion: 65 Resp: 64582  
Ion Ratio Lower Upper  
65 100  
67 53.5 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: VD080371.D

Acq: 16 May 2025 15:06

Instrument :

MSVOA\_D

ClientSampleId :

L2-WC-4-VOC

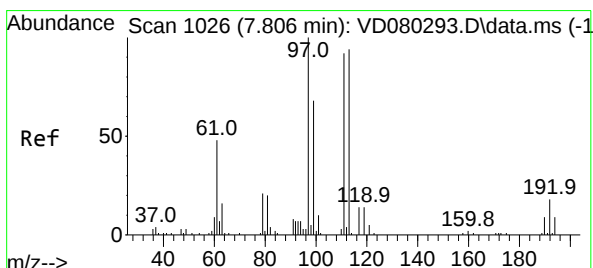
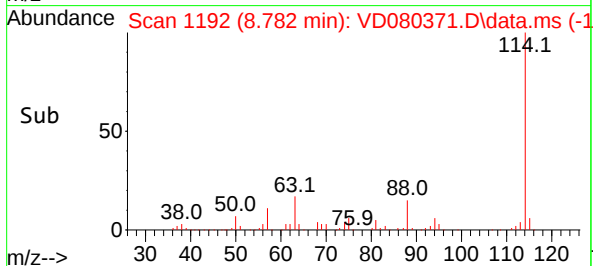
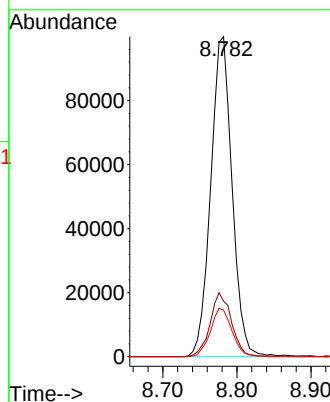
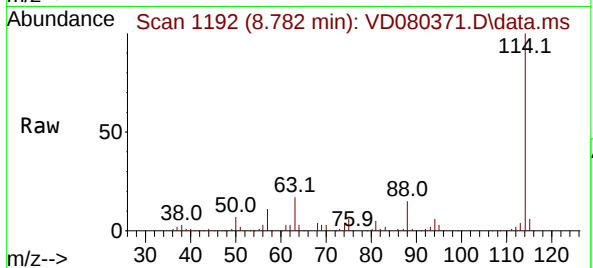
Tgt Ion:114 Resp: 200131

Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.8

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.989 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080371.D

Acq: 16 May 2025 15:06

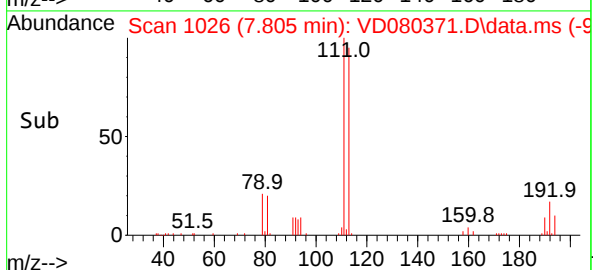
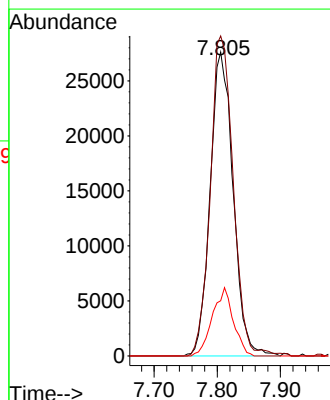
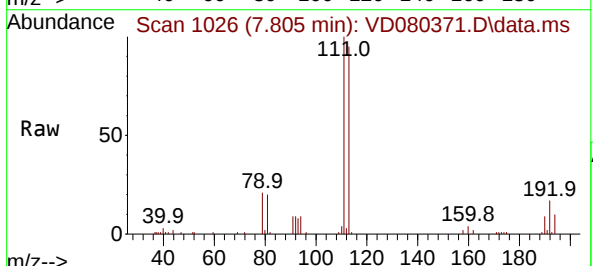
Tgt Ion:113 Resp: 69735

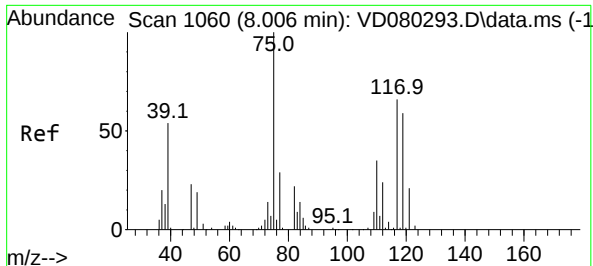
Ion Ratio Lower Upper

113 100

111 105.2 82.5 123.7

192 20.5 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.984 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080371.D

Acq: 16 May 2025 15:06

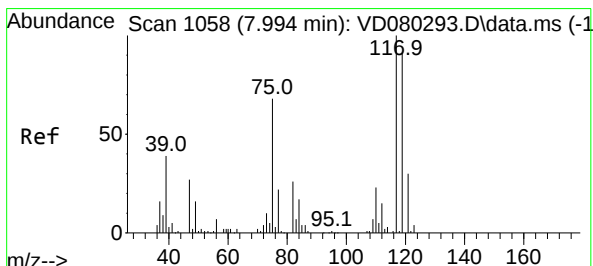
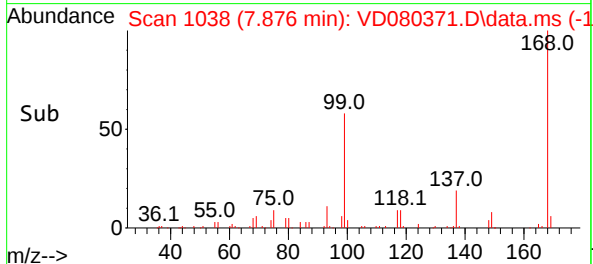
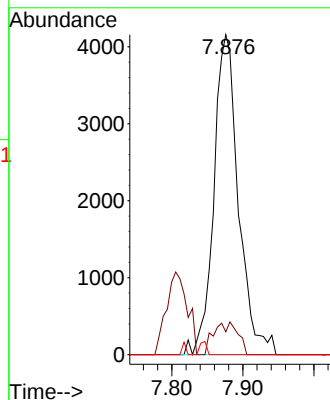
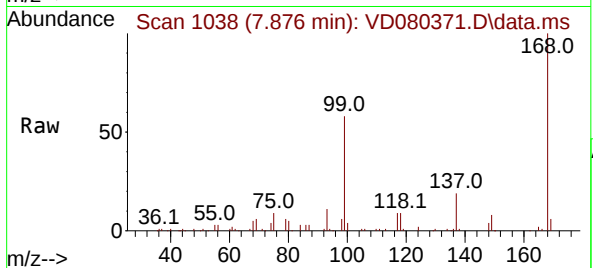
Instrument :

MSVOA\_D

ClientSampleId :

L2-WC-4-VOC

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 9991     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 5.6 18.4 55.0# |
| 77          | 0.0 25.6 38.4# |



#38

Carbon Tetrachloride

Concen: 4.917 ug/l

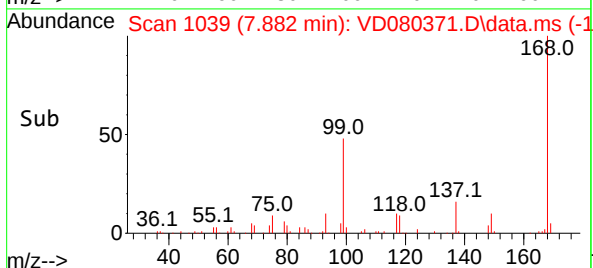
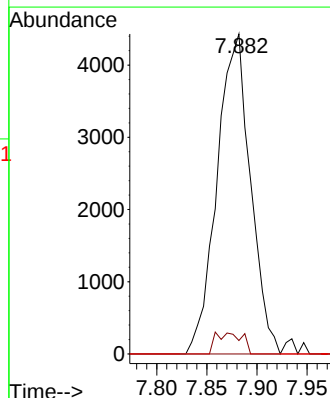
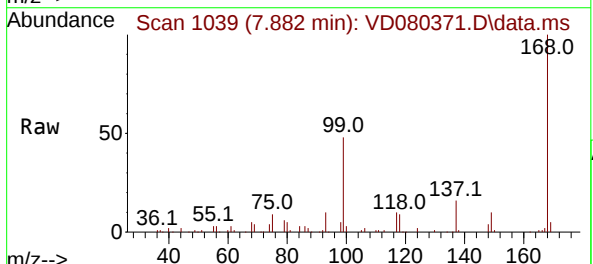
RT: 7.882 min Scan# 1039

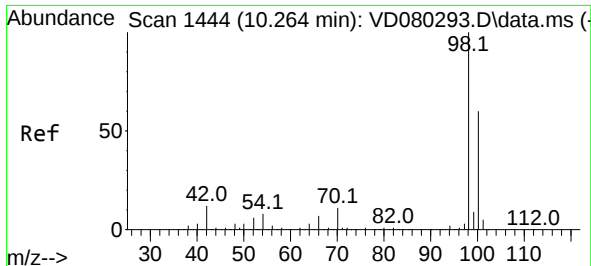
Delta R.T. -0.105 min

Lab File: VD080371.D

Acq: 16 May 2025 15:06

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 10280     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 4.2 73.4 110.0# |
| 121          | 0.0 24.5 36.7#  |

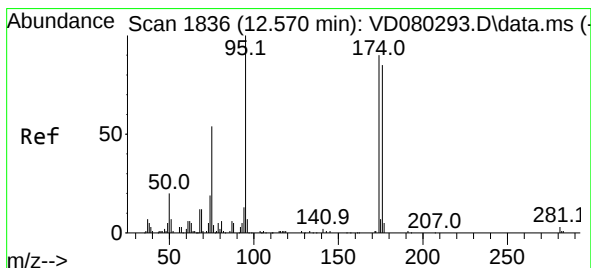
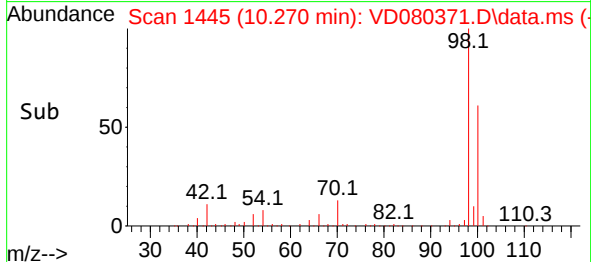
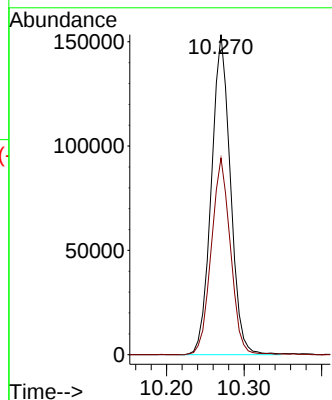
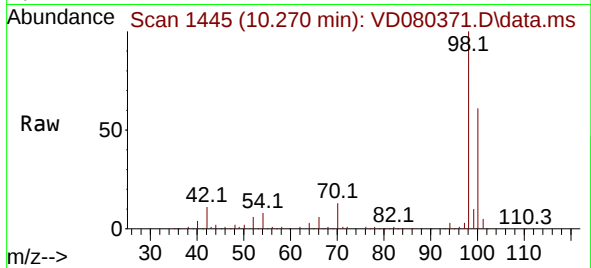




#50  
Toluene-d8  
Concen: 49.515 ug/l  
RT: 10.270 min Scan# 1444  
Delta R.T. 0.001 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

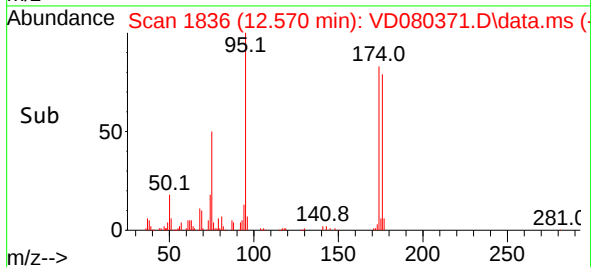
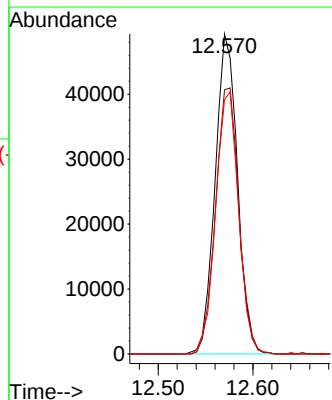
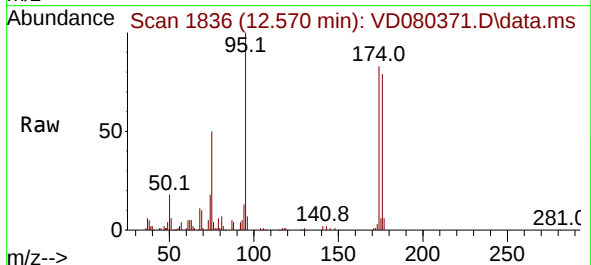
Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-4-VOC

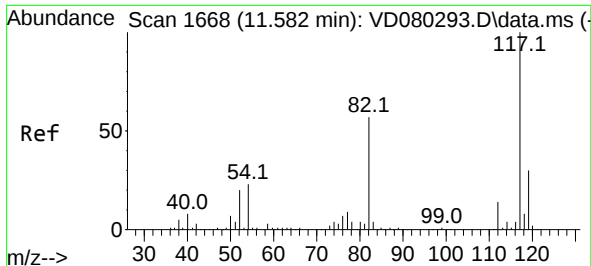
Tgt Ion: 98 Resp: 261690  
Ion Ratio Lower Upper  
98 100  
100 61.8 50.2 75.4



#62  
4-Bromofluorobenzene  
Concen: 47.639 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. 0.001 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

Tgt Ion: 95 Resp: 80813  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 173.4  
176 83.9 0.0 166.6

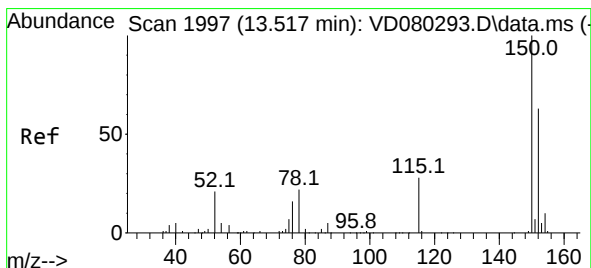
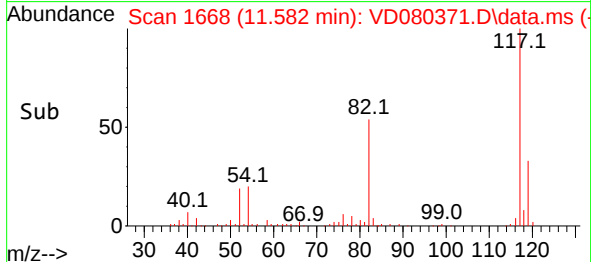
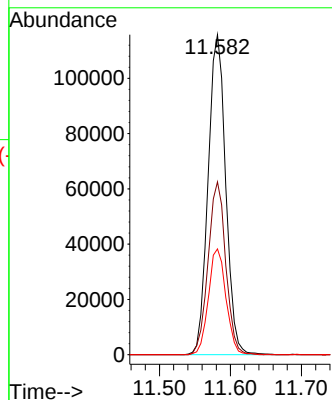
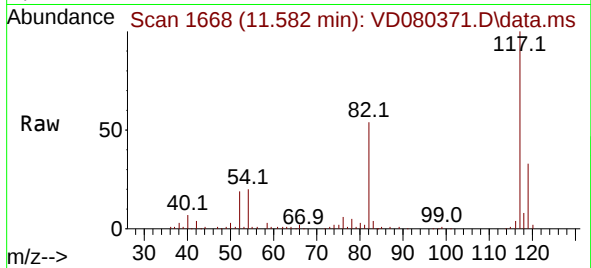




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.582 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

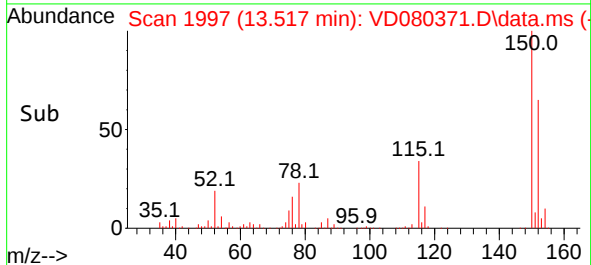
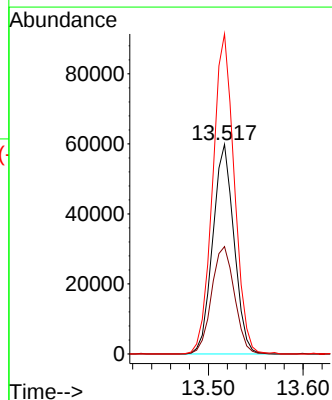
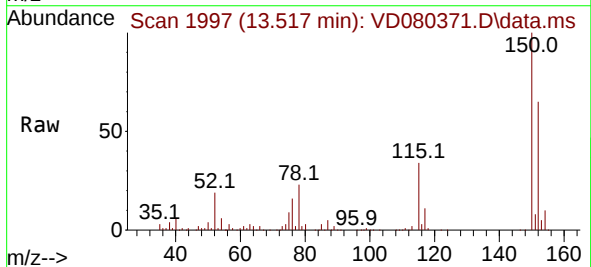
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MSVOA\_D  
ClientSampleId :  
L2-WC-4-VOC

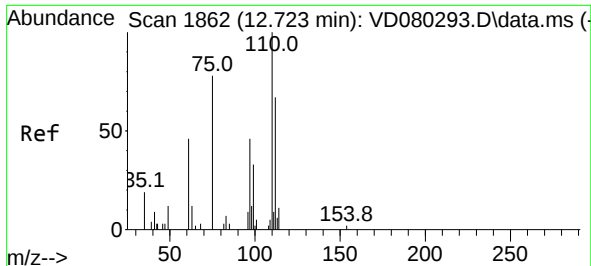
Tgt Ion:117 Resp: 199401  
Ion Ratio Lower Upper  
117 100  
82 54.0 45.8 68.6  
119 33.0 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.517 min Scan# 1997  
Delta R.T. 0.001 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

Tgt Ion:152 Resp: 93301  
Ion Ratio Lower Upper  
152 100  
115 55.2 28.9 86.8  
150 155.5 0.0 354.8

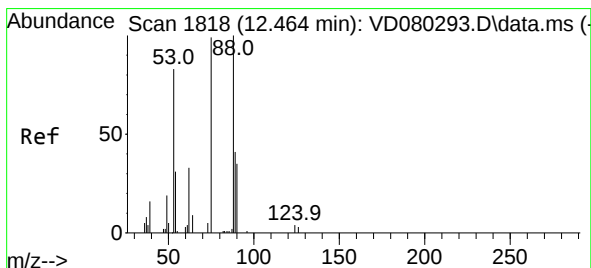
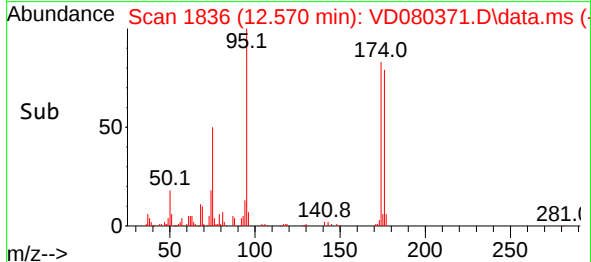
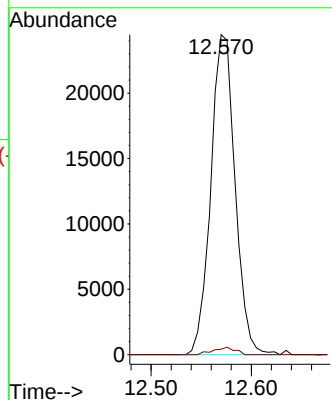
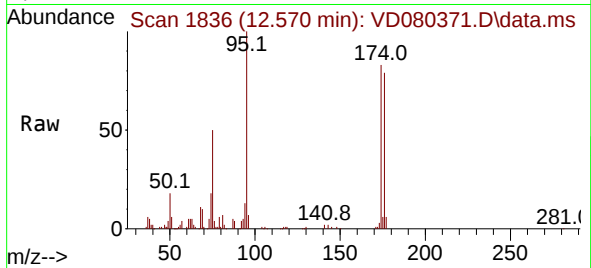




#76  
1,2,3-Trichloropropane  
Concen: 45.755 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. -0.152 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-4-VOC

Tgt Ion: 75 Resp: 41201  
Ion Ratio Lower Upper  
75 100  
77 2.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.850 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. 0.101 min  
Lab File: VD080371.D  
Acq: 16 May 2025 15:06

Tgt Ion: 75 Resp: 41201  
Ion Ratio Lower Upper  
75 100  
53 0.6 68.7 103.1#  
89 0.1 36.1 54.1#

