

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051425\  
 Data File : VD080330.D  
 Acq On : 14 May 2025 18:50  
 Operator : RP/MD  
 Sample : Q2010-01  
 Misc : 5.48G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-10

Quant Time: May 15 03:38:45 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

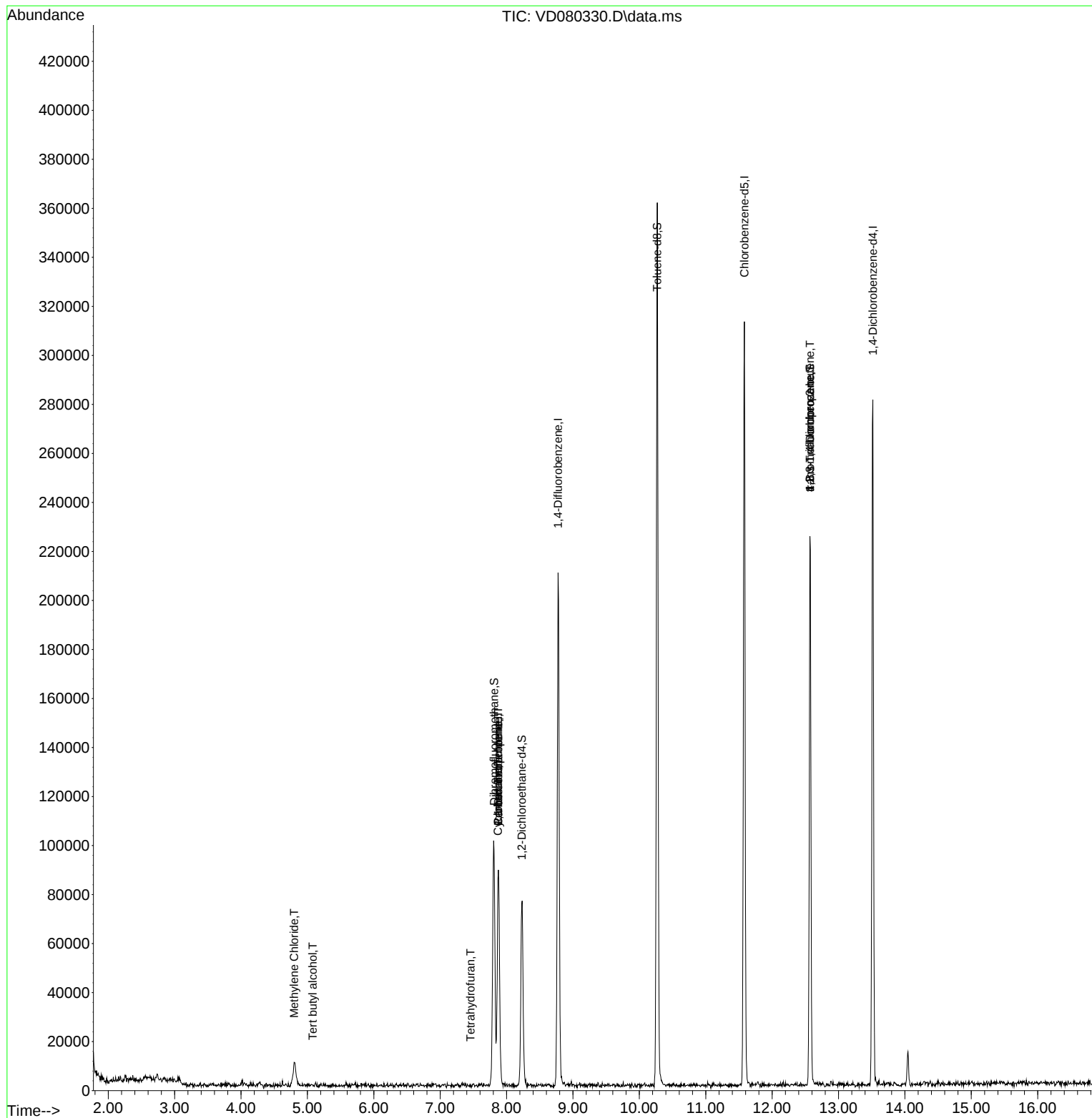
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.876  | 168   | 68271    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.776  | 114   | 175457   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.582 | 117   | 176652   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.517 | 152   | 76572    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.229  | 65    | 61521    | 69.684    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 139.360% |          |
| 35) Dibromofluoromethane      | 7.811  | 113   | 70976    | 60.355    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 120.700% |          |
| 50) Toluene-d8                | 10.270 | 98    | 243453   | 52.542    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 105.080% |          |
| 62) 4-Bromofluorobenzene      | 12.570 | 95    | 66832    | 44.938    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 89.880%  |          |
| Target Compounds              |        |       |          |           |            |          |
| 3) Chloromethane              | 2.135  | 50    | 77       | Below Cal | #          | 39       |
| 11) Tert butyl alcohol        | 5.082  | 59    | 67       | 1.251     | ug/l #     | 1        |
| 16) Acetone                   | 4.041  | 43    | 1953     | Below Cal |            | 98       |
| 20) Methylene Chloride        | 4.800  | 84    | 6639     | 3.481     | ug/l       | 93       |
| 29) Tetrahydrofuran           | 7.458  | 42    | 202      | 1.275     | ug/l #     | 52       |
| 31) Cyclohexane               | 7.870  | 56    | 1956     | 1.364     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.876  | 75    | 6141     | 3.494     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.876  | 117   | 6754     | 3.685     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.570 | 75    | 35133    | 47.540    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.570 | 75    | 35133    | 90.239    | ug/l #     | 15       |
| -----                         |        |       |          |           |            |          |

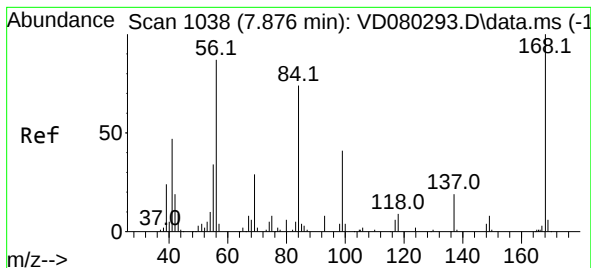
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-10

Quant Time: May 15 03:38:45 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: VD080330.D

Acq: 14 May 2025 18:50

Instrument :

MSVOA\_D

ClientSampleId :

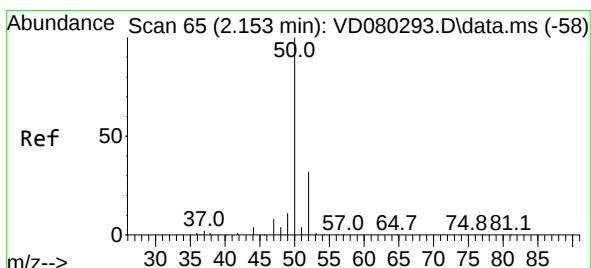
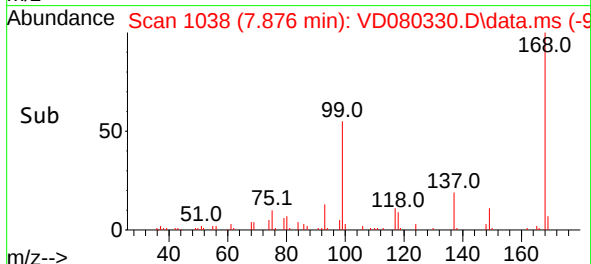
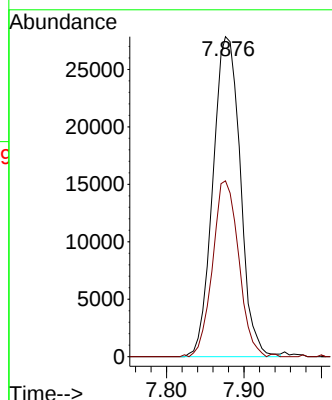
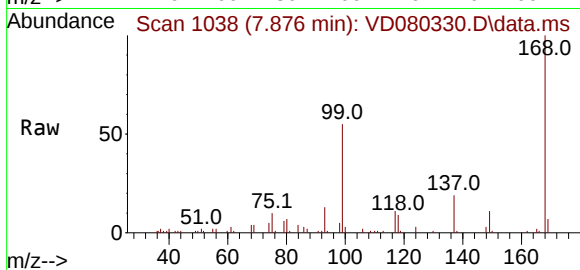
TP-10

Tgt Ion:168 Resp: 68271

Ion Ratio Lower Upper

168 100

99 55.0 46.0 69.0



#3

Chloromethane

Concen: Below Cal

RT: 2.135 min Scan# 62

Delta R.T. -0.011 min

Lab File: VD080330.D

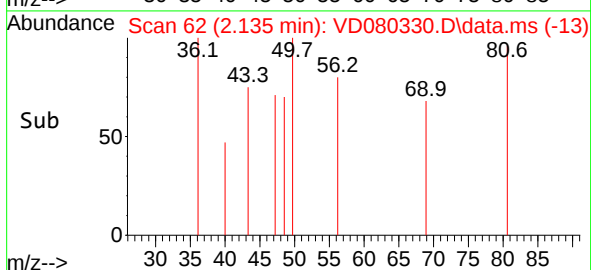
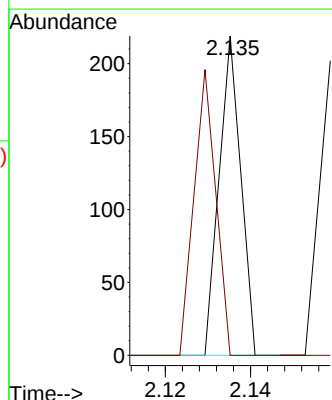
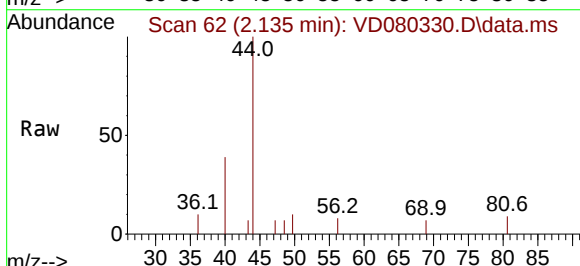
Acq: 14 May 2025 18:50

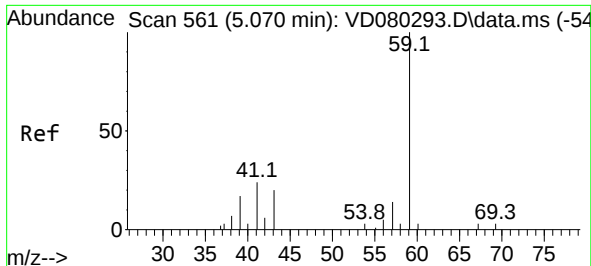
Tgt Ion: 50 Resp: 77

Ion Ratio Lower Upper

50 100

52 0.0 28.8 43.2#





#11

Tert butyl alcohol

Concen: 1.251 ug/l

RT: 5.082 min Scan# 5

Delta R.T. 0.024 min

Lab File: VD080330.D

Acq: 14 May 2025 18:50

Instrument :

MSVOA\_D

ClientSampleId :

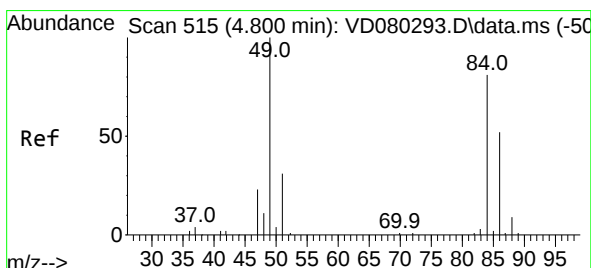
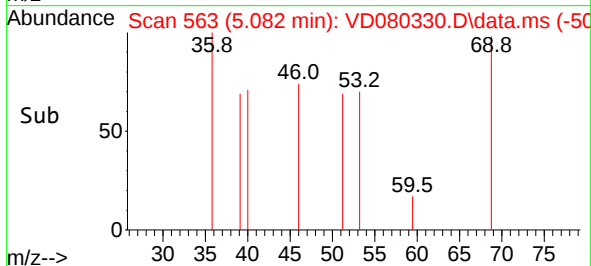
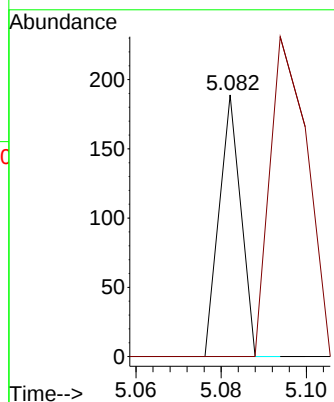
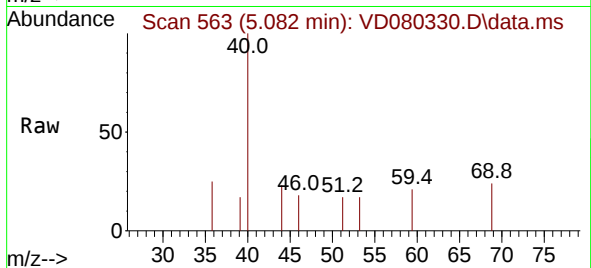
TP-10

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 209.0 4.8 7.2#



#20

Methylene Chloride

Concen: 3.481 ug/l

RT: 4.800 min Scan# 515

Delta R.T. -0.005 min

Lab File: VD080330.D

Acq: 14 May 2025 18:50

Tgt Ion: 84 Resp: 6639

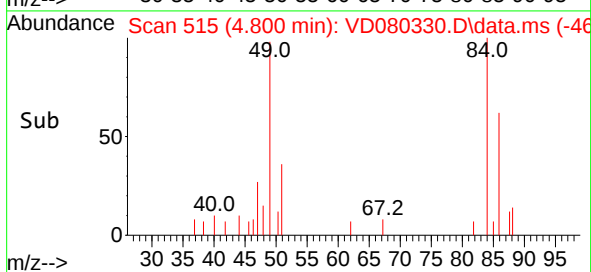
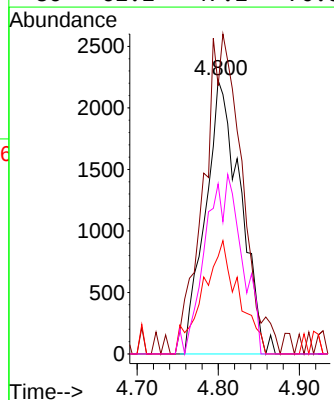
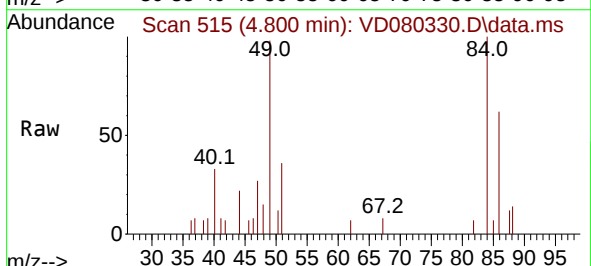
Ion Ratio Lower Upper

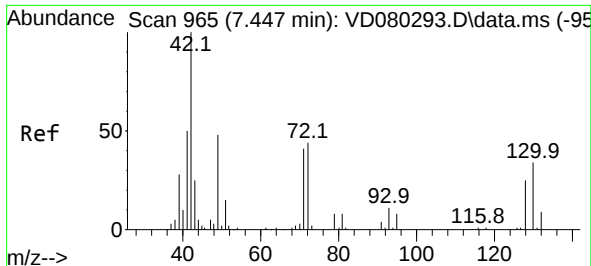
84 100

49 98.0 86.5 129.7

51 35.6 26.9 40.3

86 62.2 47.2 70.8





#29

Tetrahydrofuran

Concen: 1.275 ug/l

RT: 7.458 min Scan# 90

Delta R.T. 0.012 min

Lab File: VD080330.D

Acq: 14 May 2025 18:50

Instrument :

MSVOA\_D

ClientSampleId :

TP-10

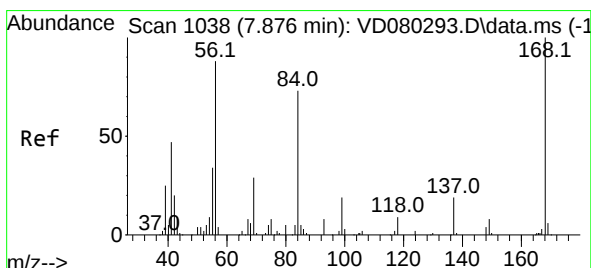
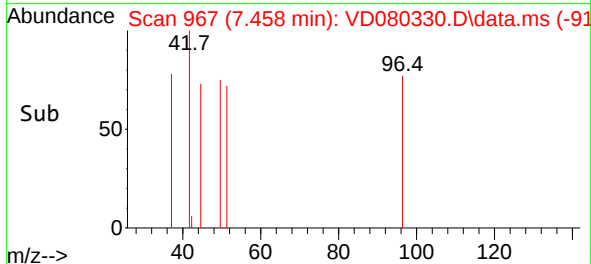
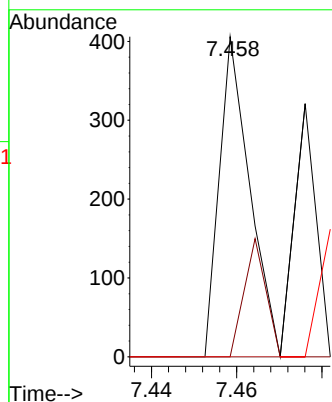
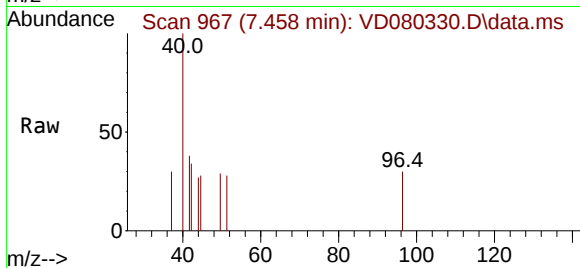
Tgt Ion: 42 Resp: 202

Ion Ratio Lower Upper

42 100

72 26.2 36.7 55.1#

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.364 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.011 min

Lab File: VD080330.D

Acq: 14 May 2025 18:50

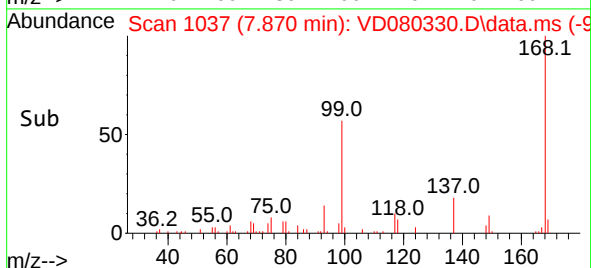
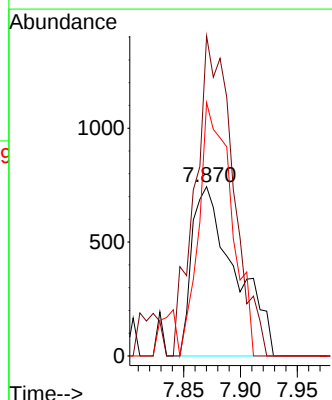
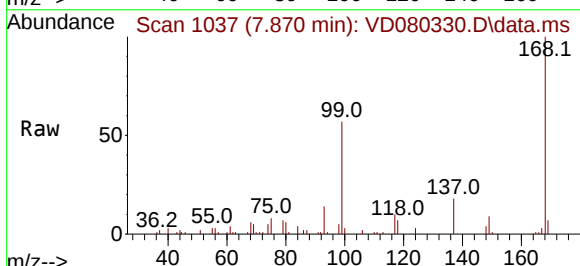
Tgt Ion: 56 Resp: 1956

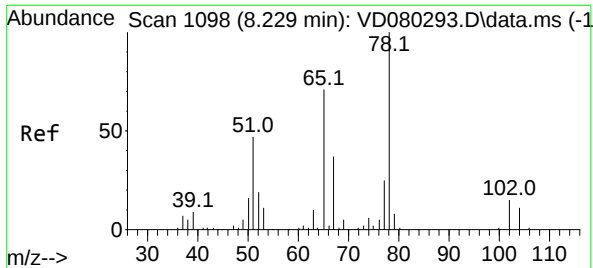
Ion Ratio Lower Upper

56 100

69 189.1 27.3 40.9#

84 149.8 70.2 105.4#

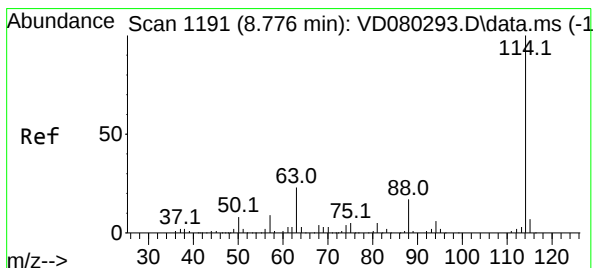
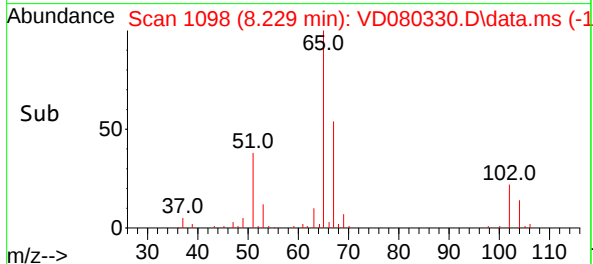
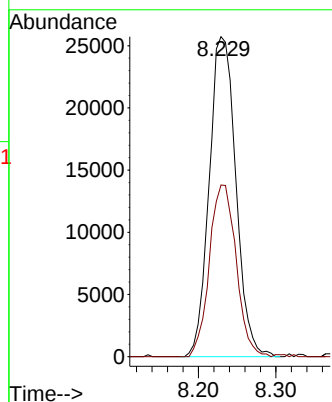
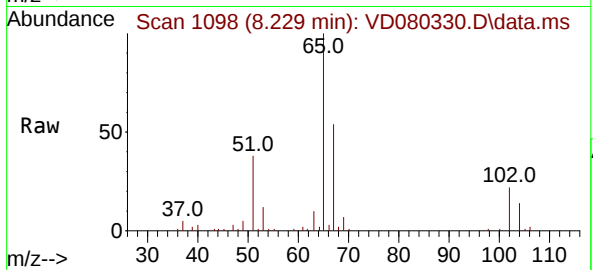




#33  
 1,2-Dichloroethane-d4  
 Concen: 69.684 ug/l  
 RT: 8.229 min Scan# 1098  
 Delta R.T. 0.001 min  
 Lab File: VD080330.D  
 Acq: 14 May 2025 18:50

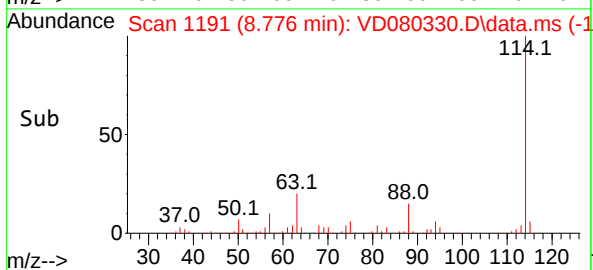
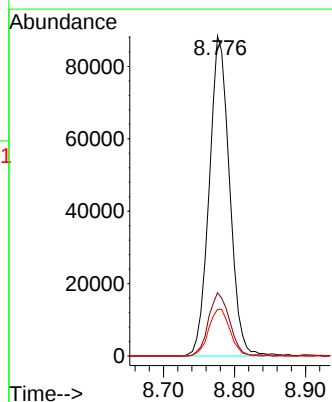
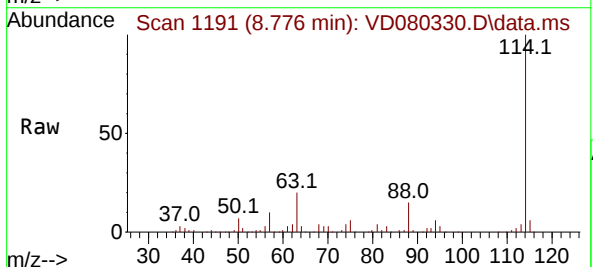
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-10

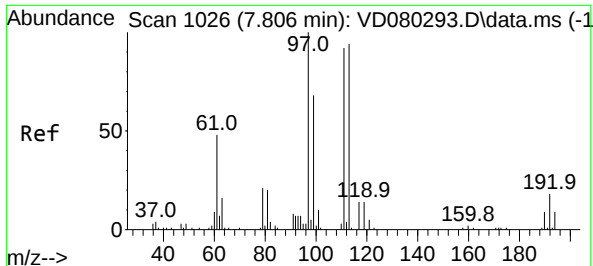
Tgt Ion: 65 Resp: 61521  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 109.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.776 min Scan# 1191  
 Delta R.T. 0.001 min  
 Lab File: VD080330.D  
 Acq: 14 May 2025 18:50

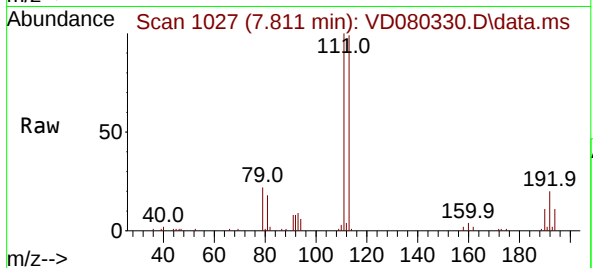
Tgt Ion: 114 Resp: 175457  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 38.8  
 88 14.5 0.0 30.6



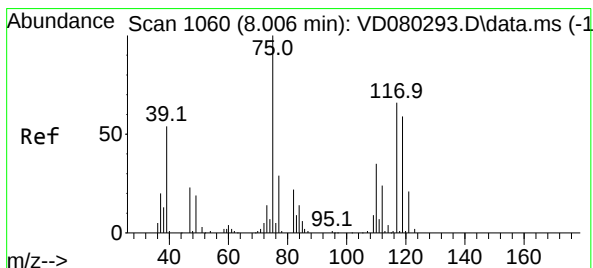
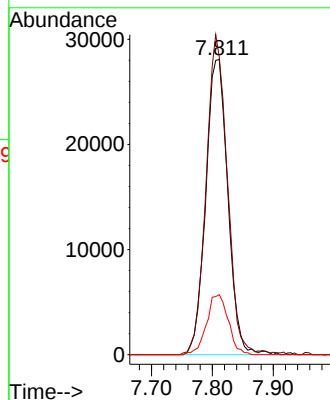
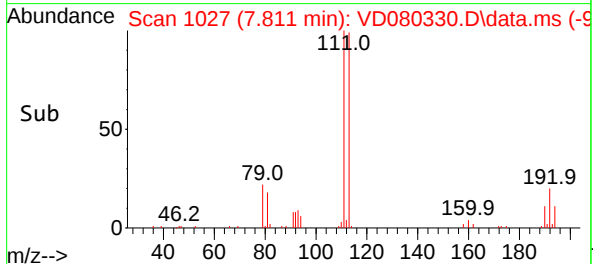


#35  
Dibromofluoromethane  
Concen: 60.355 ug/l  
RT: 7.811 min Scan# 1027  
Delta R.T. 0.006 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-10

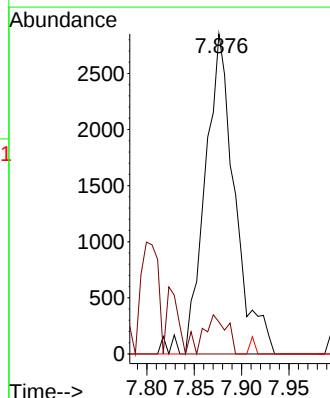
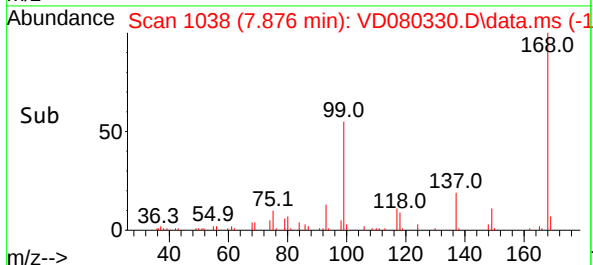
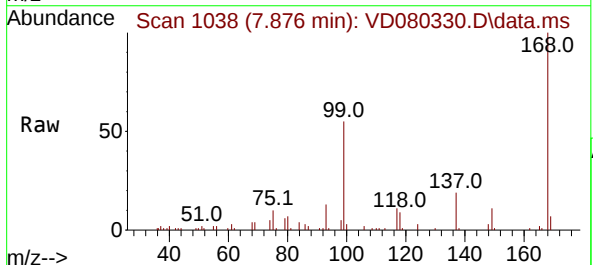


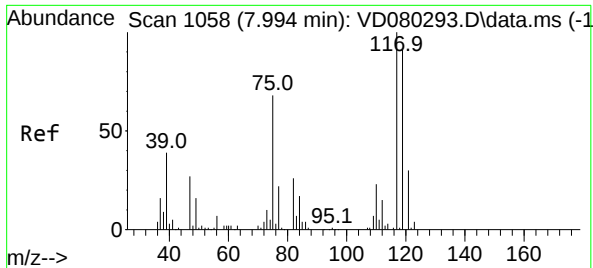
Tgt Ion:113 Resp: 70976  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.5 123.7  
192 19.9 16.6 25.0



#36  
1,1-Dichloropropene  
Concen: 3.494 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. -0.129 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

Tgt Ion: 75 Resp: 6141  
Ion Ratio Lower Upper  
75 100  
110 8.9 18.4 55.0#  
77 0.0 25.6 38.4#

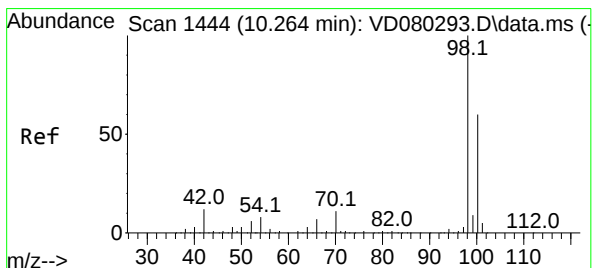
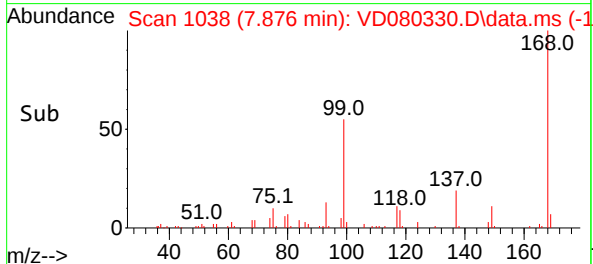
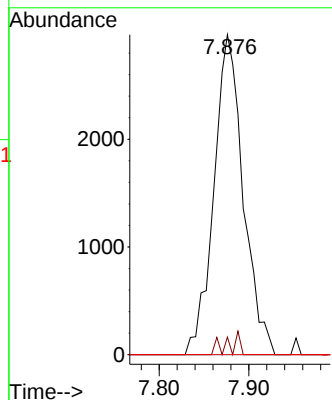
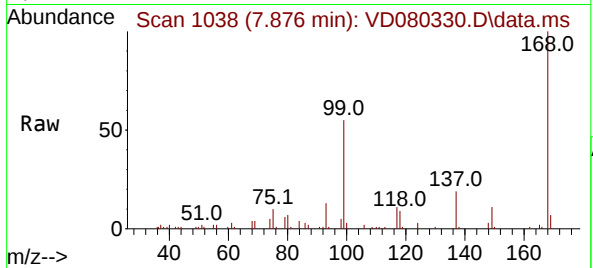




#38  
Carbon Tetrachloride  
Concen: 3.685 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. -0.111 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

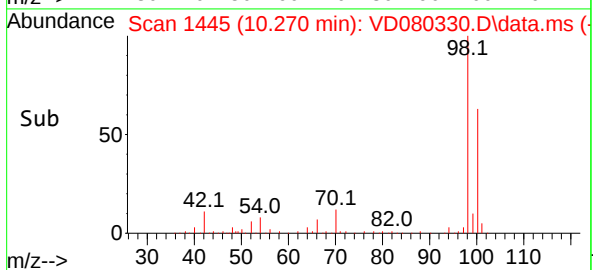
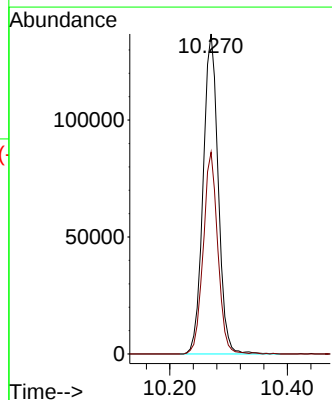
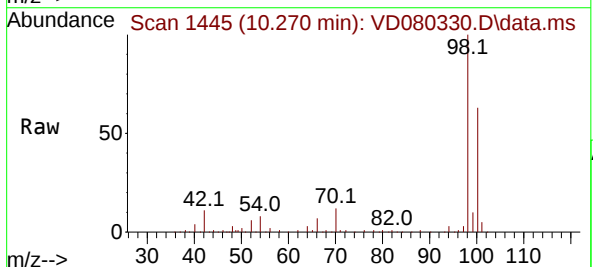
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-10

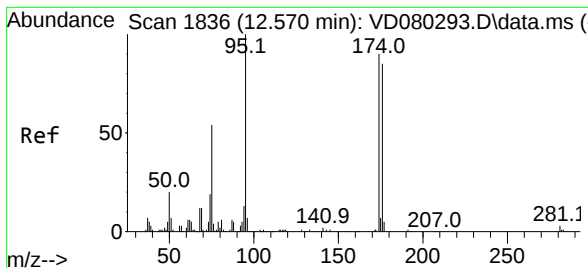
Tgt Ion:117 Resp: 6754  
Ion Ratio Lower Upper  
117 100  
119 5.5 73.4 110.0#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 52.542 ug/l  
RT: 10.270 min Scan# 1445  
Delta R.T. 0.001 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

Tgt Ion: 98 Resp: 243453  
Ion Ratio Lower Upper  
98 100  
100 60.7 50.2 75.4

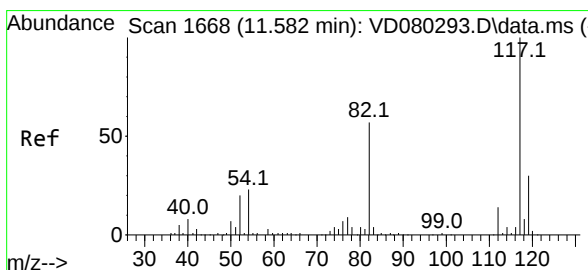
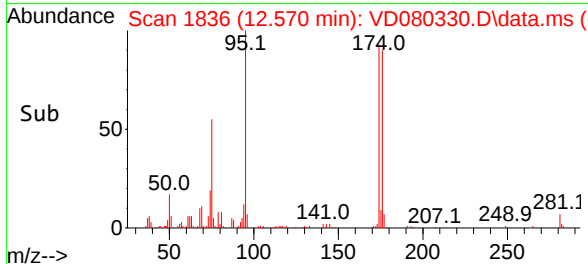
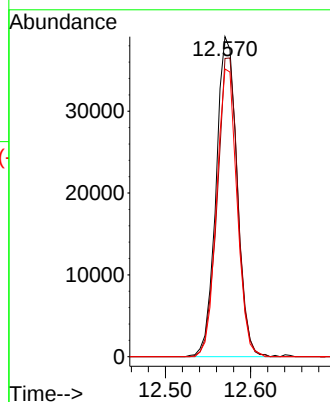
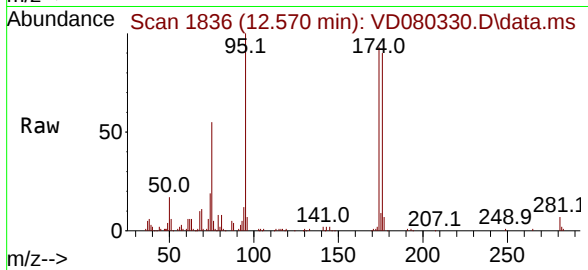




#62  
4-Bromofluorobenzene  
Concen: 44.938 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. 0.001 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

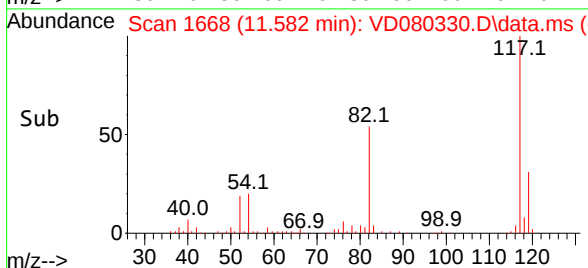
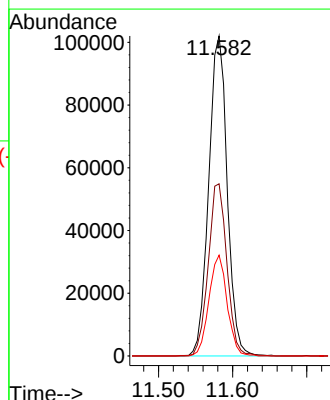
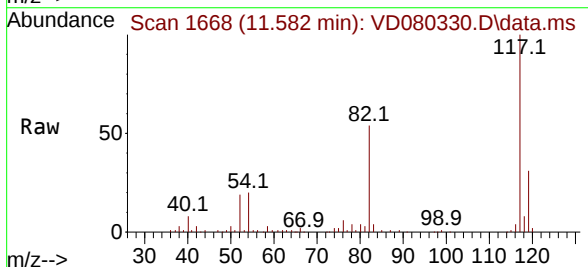
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-10

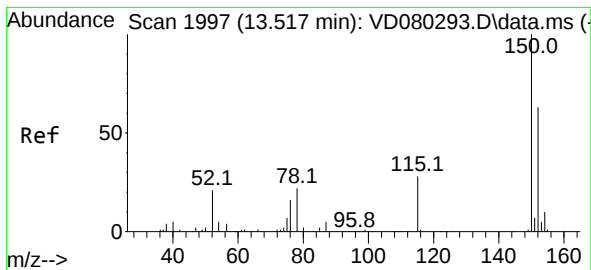
Tgt Ion: 95 Resp: 66832  
Ion Ratio Lower Upper  
95 100  
174 92.1 0.0 173.4  
176 87.4 0.0 166.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.582 min Scan# 1668  
Delta R.T. 0.001 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

Tgt Ion: 117 Resp: 176652  
Ion Ratio Lower Upper  
117 100  
82 53.8 45.8 68.6  
119 31.5 26.2 39.2

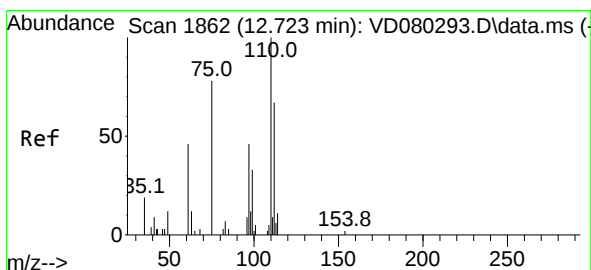
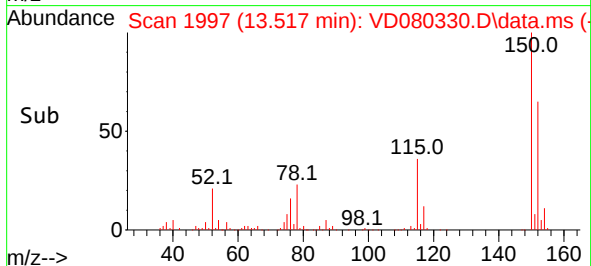
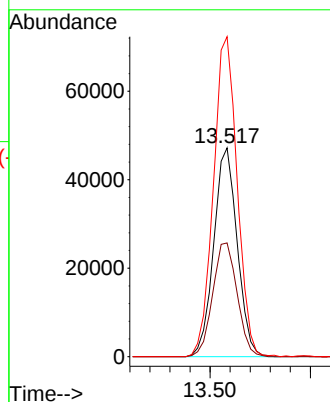
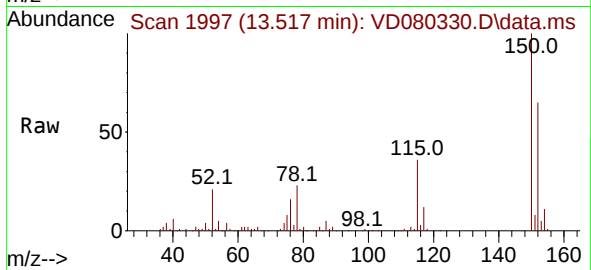




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.517 min Scan# 1997  
Delta R.T. 0.001 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

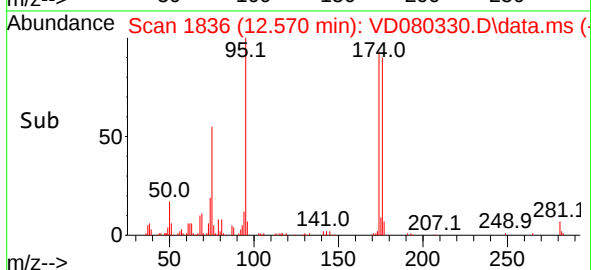
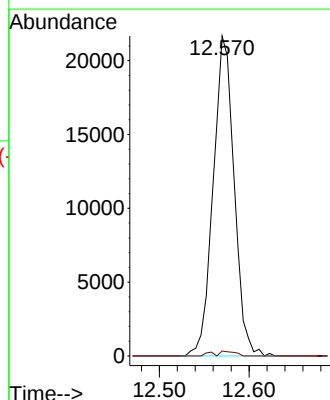
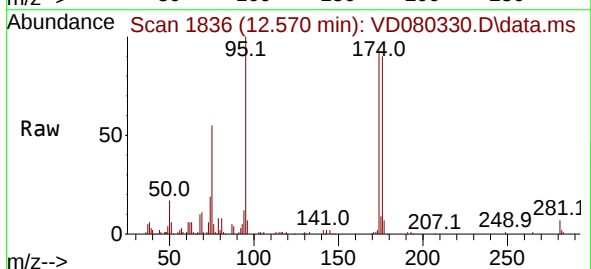
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-10

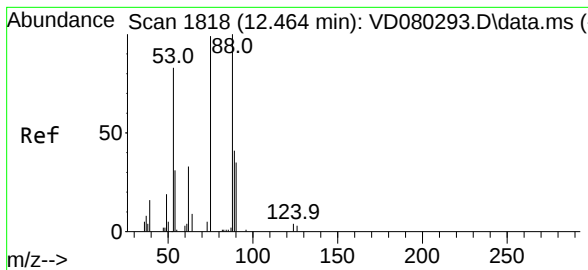
Tgt Ion:152 Resp: 76572  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.9 86.8  
150 154.8 0.0 354.8



#76  
1,2,3-Trichloropropane  
Concen: 47.540 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. -0.152 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

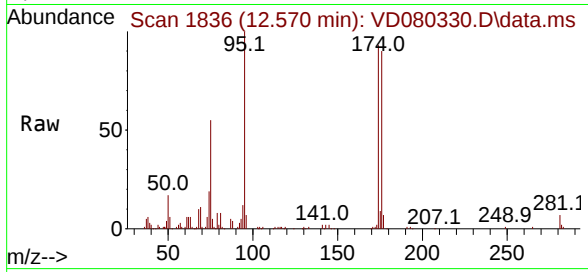
Tgt Ion: 75 Resp: 35133  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.239 ug/l  
RT: 12.570 min Scan# 11  
Delta R.T. 0.101 min  
Lab File: VD080330.D  
Acq: 14 May 2025 18:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-10



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.6   | 68.7  | 103.1# |
| 89      | 0.2   | 36.1  | 54.1#  |

