

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071725\  
 Data File : VW031883.D  
 Acq On : 17 Jul 2025 12:35  
 Operator : SY/MD  
 Sample : Q2612-01RE  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL/B  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 18 02:51:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

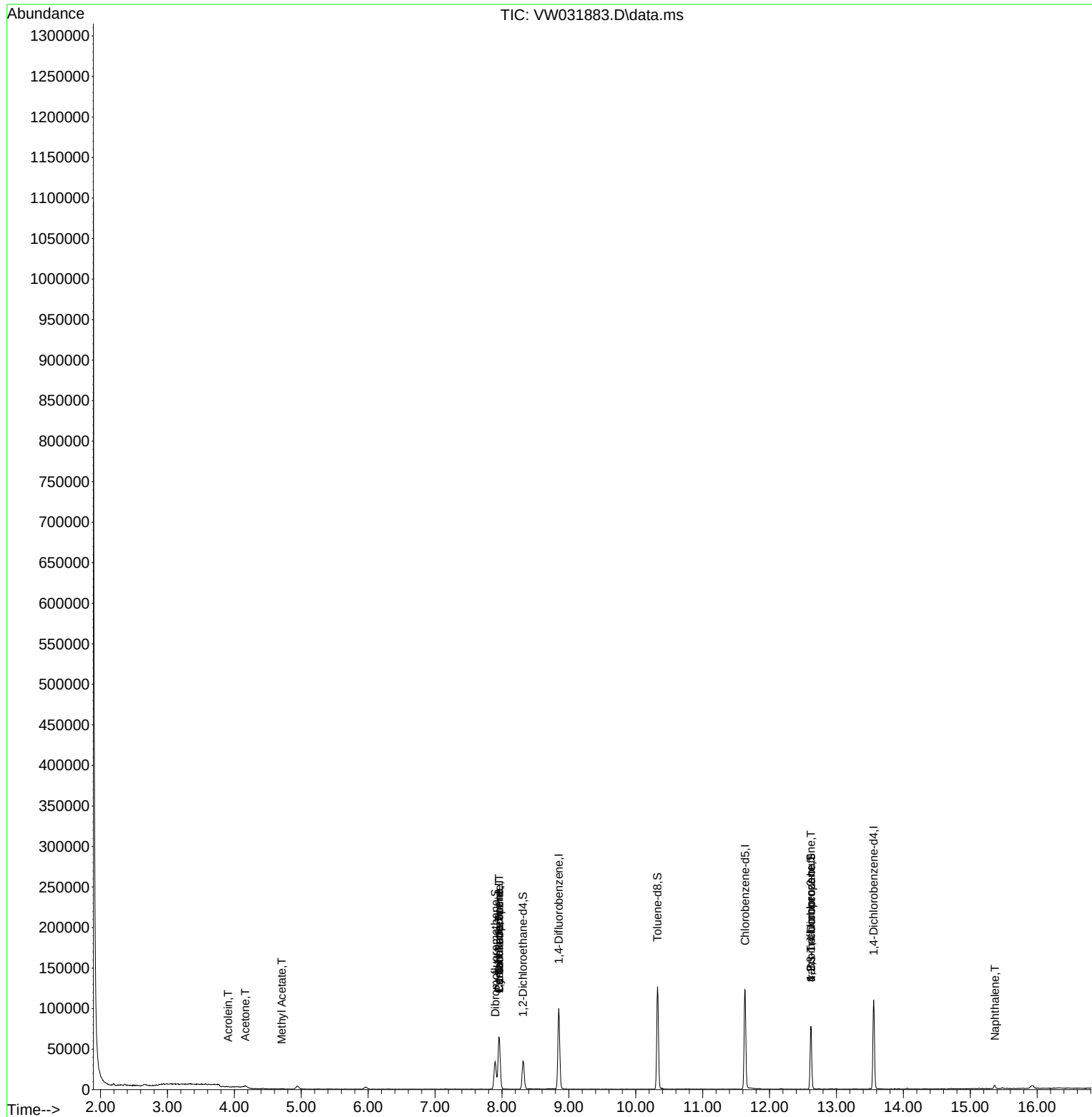
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.953          | 168  | 43746      | 50.000  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.849          | 114  | 81950      | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.636         | 117  | 67244      | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 27776      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.313          | 65   | 29011      | 46.210  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 63 - 155 |      | Recovery = | 92.420% |        |          |
| 35) Dibromofluoromethane      | 7.898          | 113  | 25623      | 47.915  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 134 |      | Recovery = | 95.820% |        |          |
| 50) Toluene-d8                | 10.325         | 98   | 85209      | 42.817  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 123 |      | Recovery = | 85.640% |        |          |
| 62) 4-Bromofluorobenzene      | 12.617         | 95   | 29035      | 39.647  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 17 - 146 |      | Recovery = | 79.300% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 13) Acrolein                  | 3.905          | 56   | 95         | 1.359   | ug/l # | 1        |
| 16) Acetone                   | 4.161          | 43   | 2420       | 15.595  | ug/l # | 76       |
| 18) Methyl Acetate            | 4.710          | 43   | 1117       | 2.519   | ug/l # | 67       |
| 31) Cyclohexane               | 7.953          | 56   | 1249       | 1.397   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.959          | 75   | 4337       | 5.605   | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.959          | 117  | 5310       | 6.734   | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.617         | 75   | 15432      | 42.993  | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.617         | 75   | 15432      | 100.137 | ug/l # | 8        |
| 95) Naphthalene               | 15.367         | 128  | 3943       | 3.019   | ug/l   | 96       |
| -----                         |                |      |            |         |        |          |

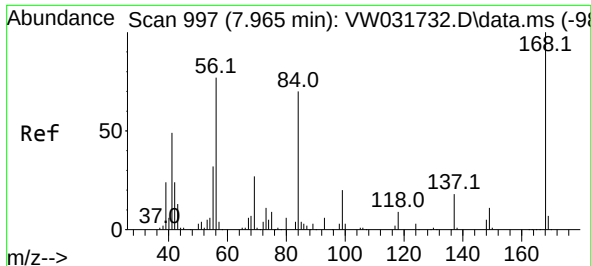
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071725\  
Data File : VW031883.D  
Acq On : 17 Jul 2025 12:35  
Operator : SY/MD  
Sample : Q2612-01RE  
Misc : 5.00g/5mL/MSVOA\_W/SOIL/B  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

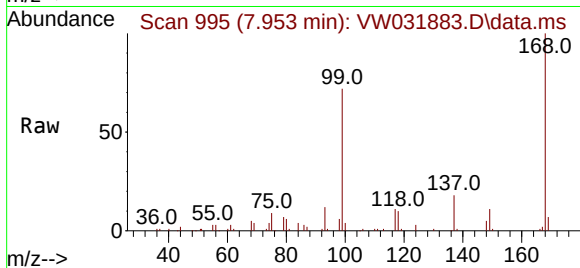
Quant Time: Jul 18 02:51:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:35:17 2025  
Response via : Initial Calibration



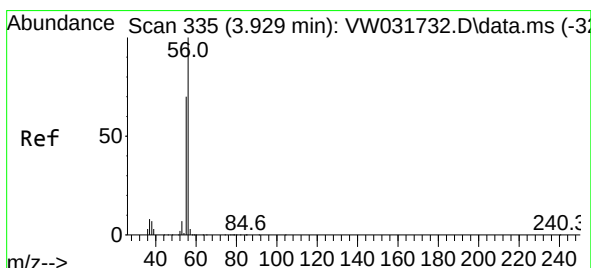
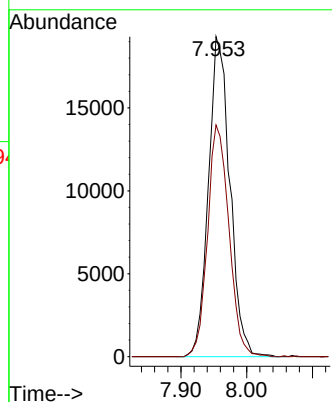
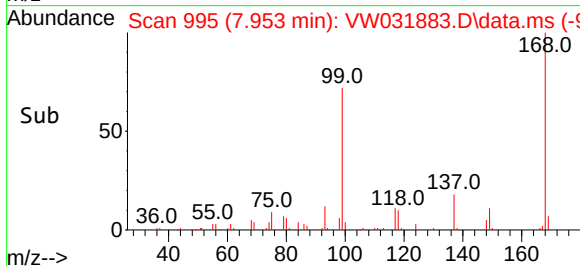


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.953 min Scan# 997  
Delta R.T. -0.012 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

Instrument :  
MSVOA\_W  
ClientSampleId :

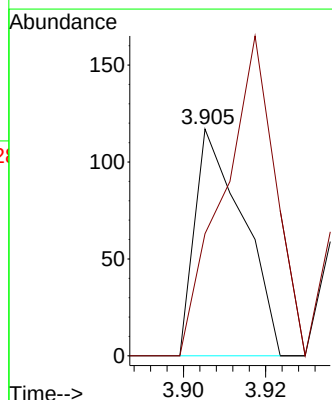
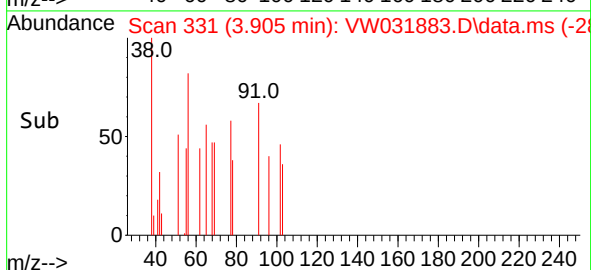
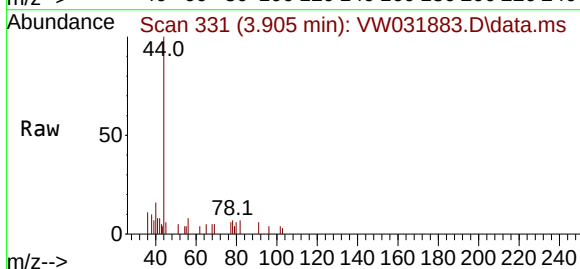


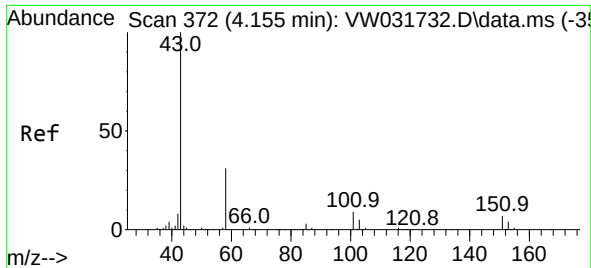
Tgt Ion:168 Resp: 43746  
Ion Ratio Lower Upper  
168 100  
99 72.4 49.4 74.2



#13  
Acrolein  
Concen: 1.359 ug/l  
RT: 3.905 min Scan# 331  
Delta R.T. -0.024 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

Tgt Ion: 56 Resp: 95  
Ion Ratio Lower Upper  
56 100  
55 151.6 54.0 81.0#

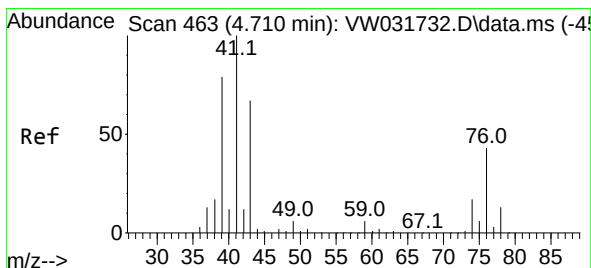
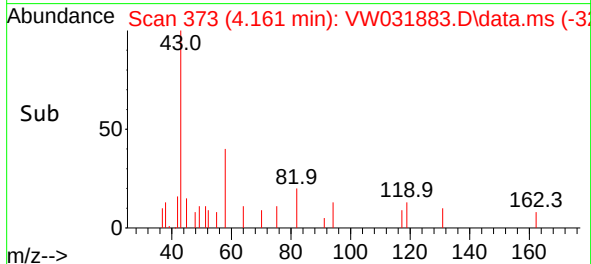
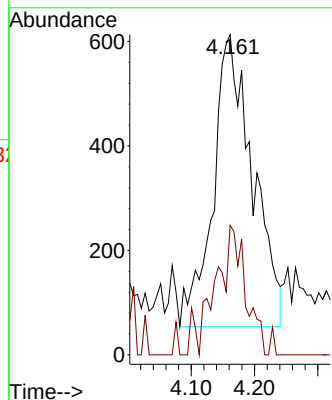
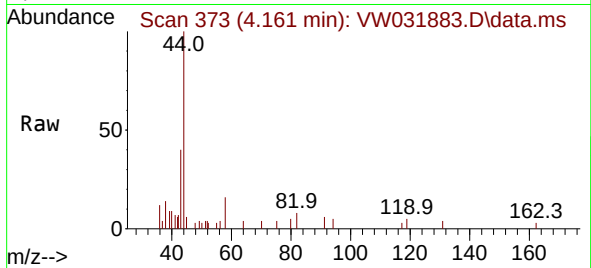




#16  
Acetone  
Concen: 15.595 ug/l  
RT: 4.161 min Scan# 372  
Delta R.T. 0.007 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

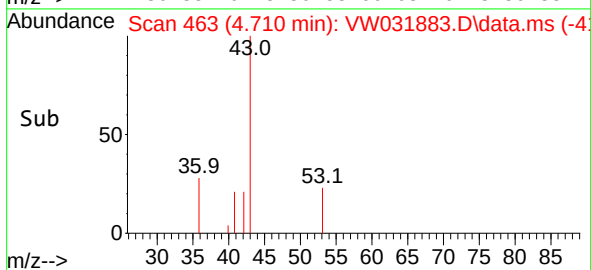
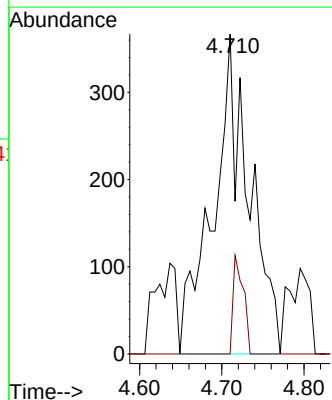
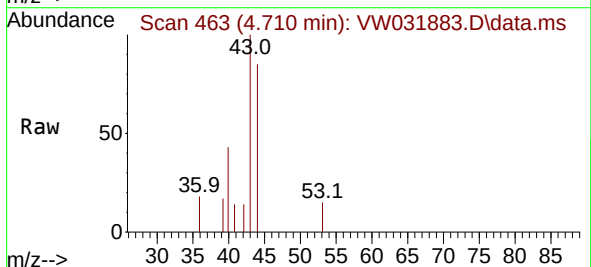
Instrument :  
MSVOA\_W  
ClientSampleId :

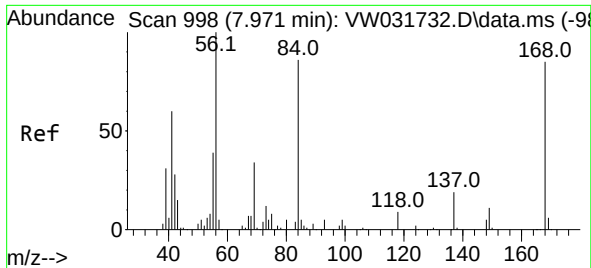
Tgt Ion: 43 Resp: 2420  
Ion Ratio Lower Upper  
43 100  
58 44.4 24.8 37.2#



#18  
Methyl Acetate  
Concen: 2.519 ug/l  
RT: 4.710 min Scan# 463  
Delta R.T. 0.000 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

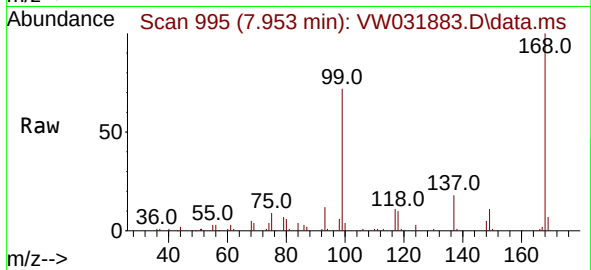
Tgt Ion: 43 Resp: 1117  
Ion Ratio Lower Upper  
43 100  
74 8.8 20.6 30.8#



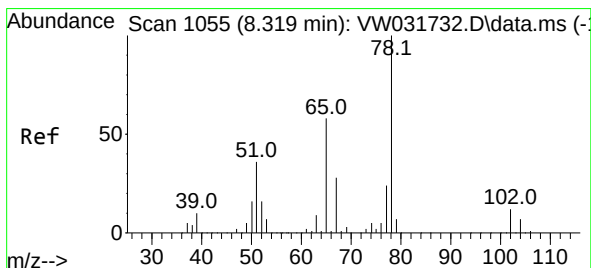
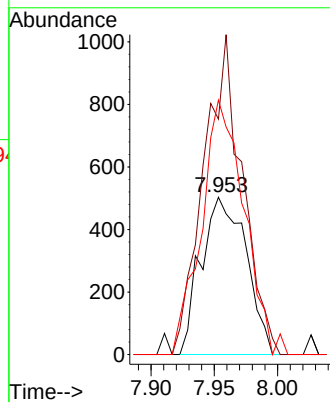
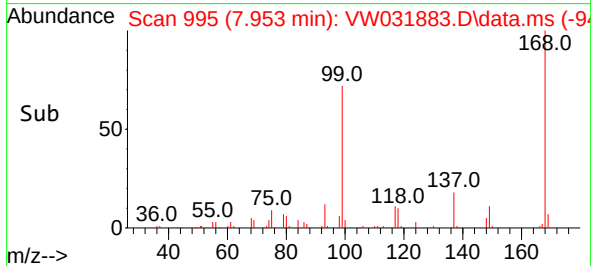


#31  
Cyclohexane  
Concen: 1.397 ug/l  
RT: 7.953 min Scan# 998  
Delta R.T. -0.018 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

Instrument :  
MSVOA\_W  
ClientSampleId :

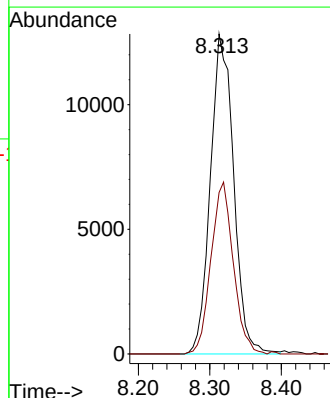
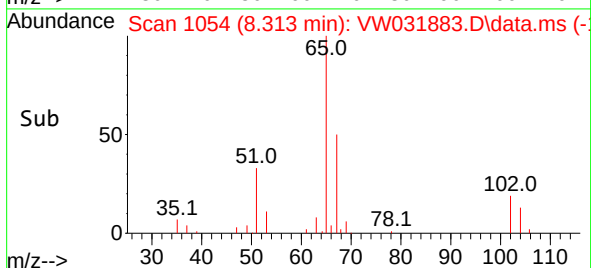
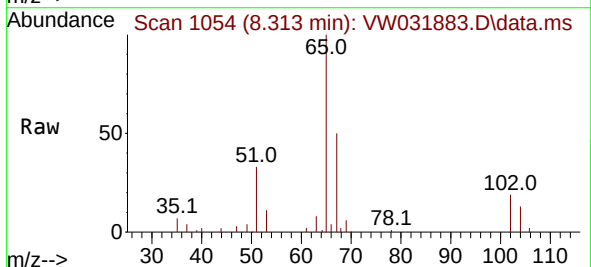


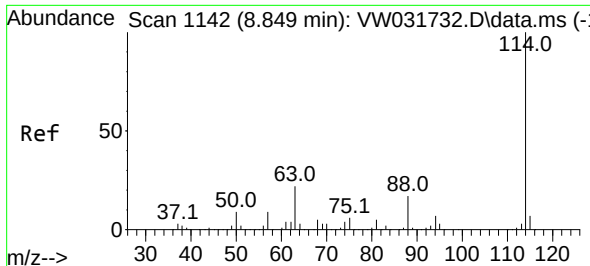
Tgt Ion: 56 Resp: 1249  
Ion Ratio Lower Upper  
56 100  
69 149.7 27.2 40.8#  
84 148.7 68.5 102.7#



#33  
1,2-Dichloroethane-d4  
Concen: 46.210 ug/l  
RT: 8.313 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

Tgt Ion: 65 Resp: 29011  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 99.4

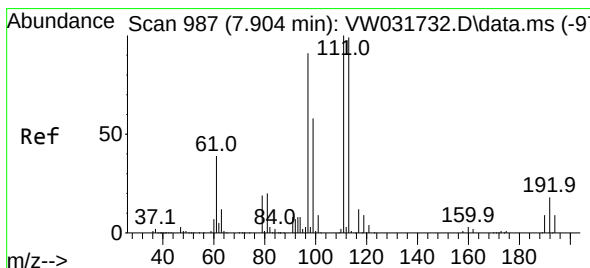
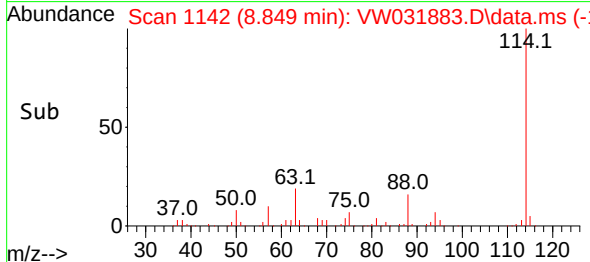
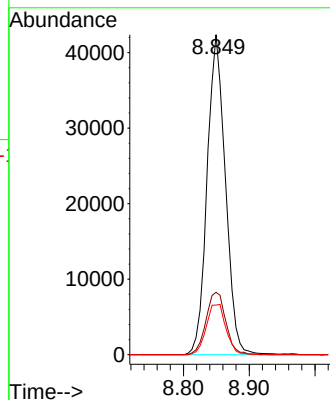
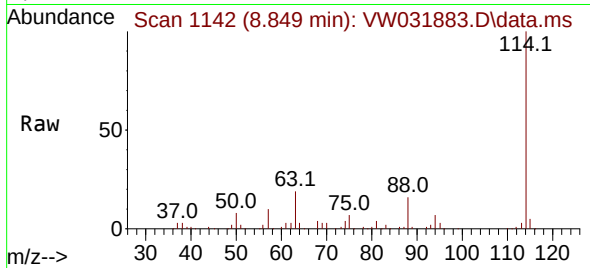




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. 0.000 min  
 Lab File: VW031883.D  
 Acq: 17 Jul 2025 12:35

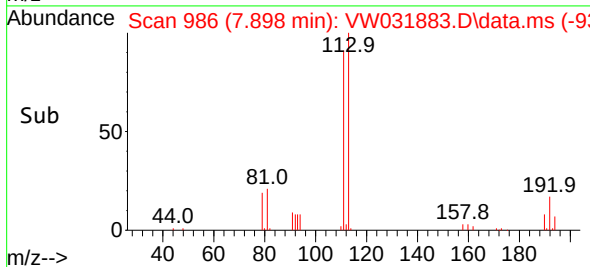
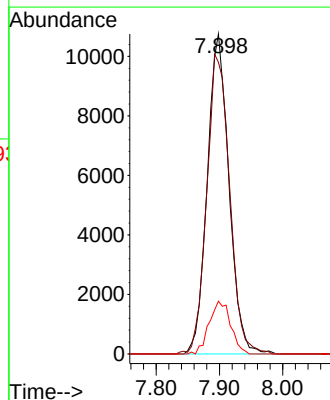
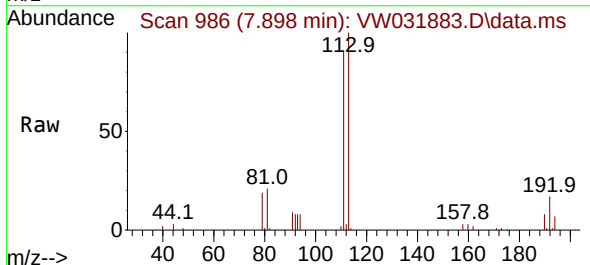
Instrument :  
 MSVOA\_W  
 ClientSampleId :

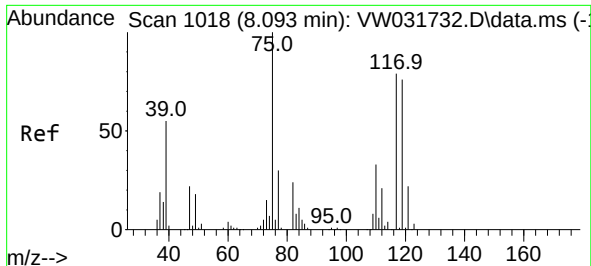
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 81950    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 19.5  | 0.0 43.6 |
| 88          | 15.5  | 0.0 34.2 |



#35  
 Dibromofluoromethane  
 Concen: 47.915 ug/l  
 RT: 7.898 min Scan# 986  
 Delta R.T. -0.006 min  
 Lab File: VW031883.D  
 Acq: 17 Jul 2025 12:35

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 25623      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 98.7  | 82.1 123.1 |
| 192         | 16.4  | 13.8 20.6  |





#36

1,1-Dichloropropene

Concen: 5.605 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.134 min

Lab File: VW031883.D

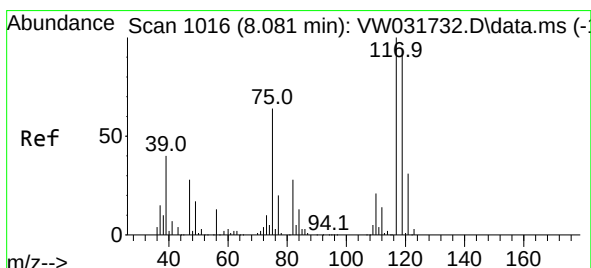
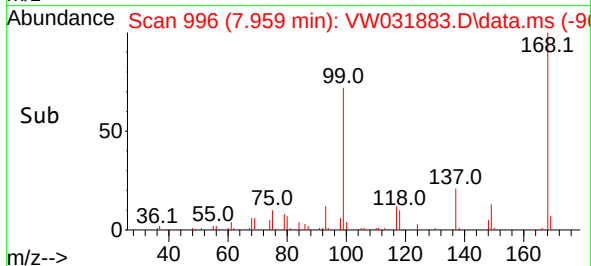
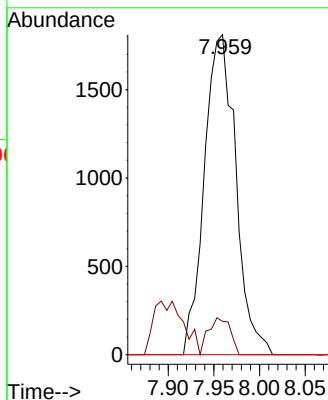
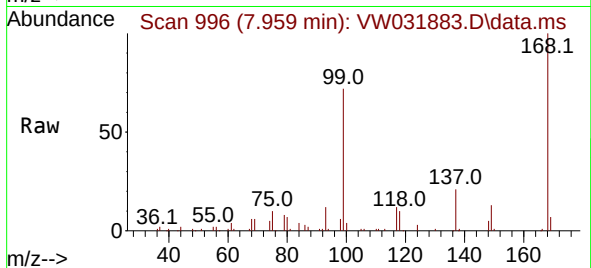
Acq: 17 Jul 2025 12:35

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4337  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.0   | 16.8  | 50.4# |
| 77       | 0.0   | 25.0  | 37.6# |



#38

Carbon Tetrachloride

Concen: 6.734 ug/l

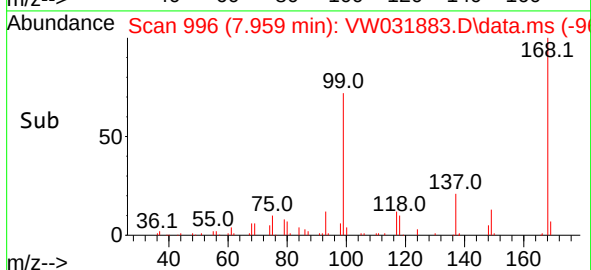
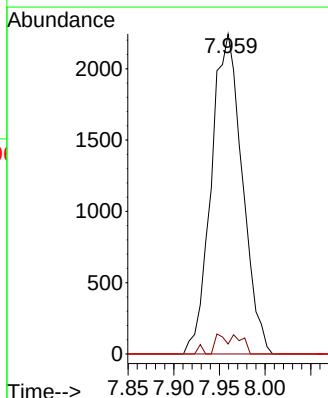
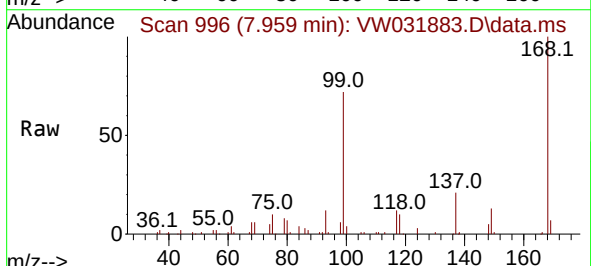
RT: 7.959 min Scan# 996

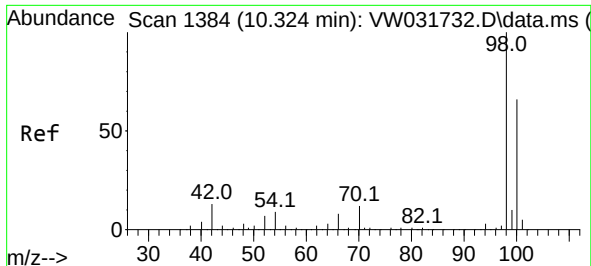
Delta R.T. -0.122 min

Lab File: VW031883.D

Acq: 17 Jul 2025 12:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 5310   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 3.1   | 75.0  | 112.6# |
| 121      | 0.0   | 24.6  | 37.0#  |

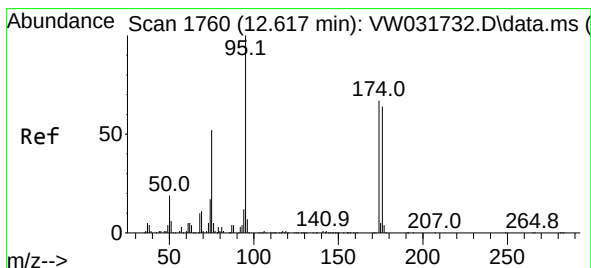
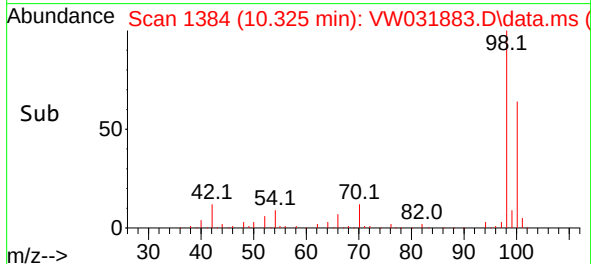
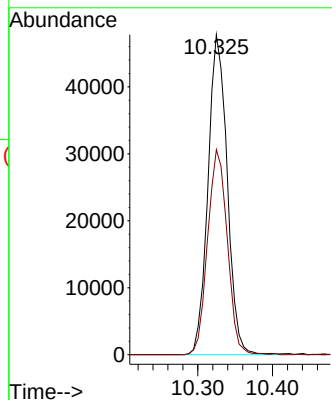
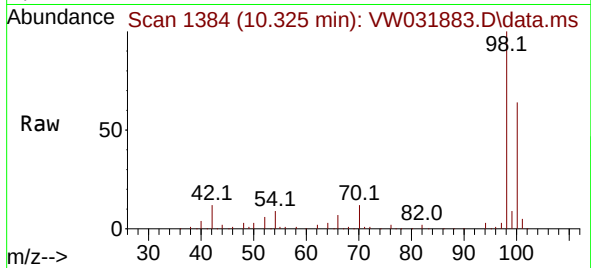




#50  
Toluene-d8  
Concen: 42.817 ug/l  
RT: 10.325 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

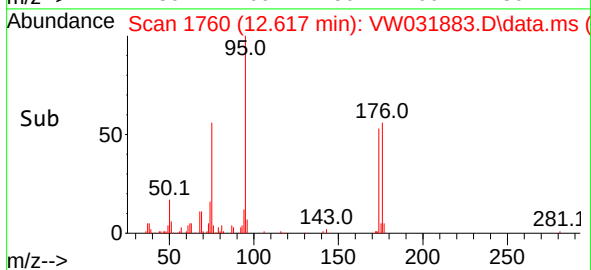
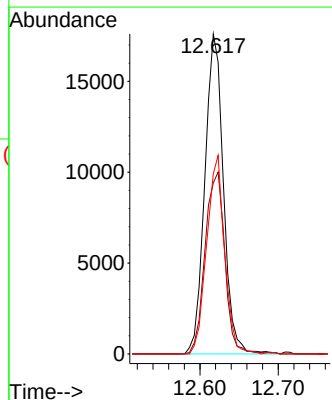
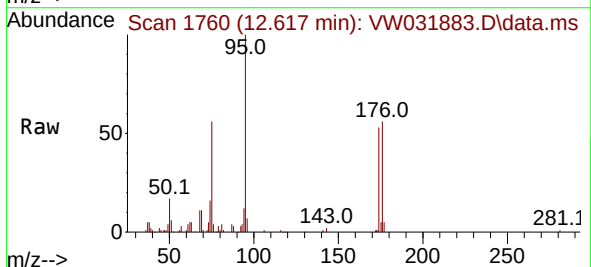
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 98 Resp: 85209  
Ion Ratio Lower Upper  
98 100  
100 65.7 53.0 79.4

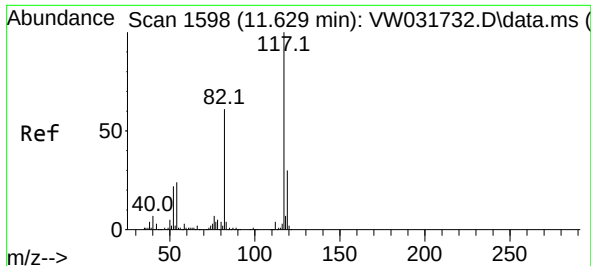


#62  
4-Bromofluorobenzene  
Concen: 39.647 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

Tgt Ion: 95 Resp: 29035  
Ion Ratio Lower Upper  
95 100  
174 60.3 0.0 133.8  
176 59.4 0.0 126.0

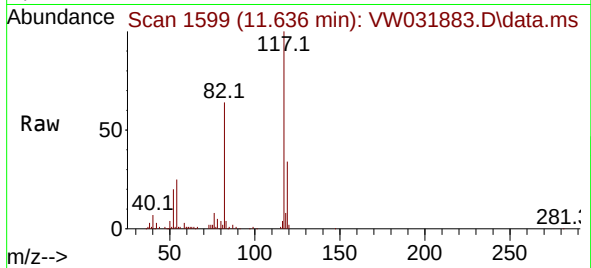




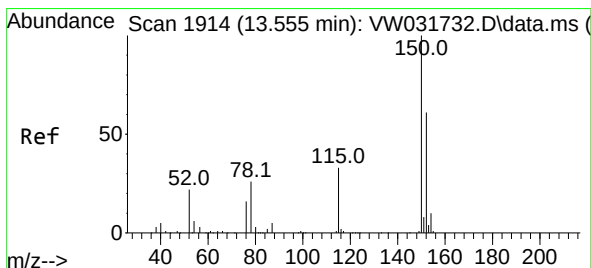
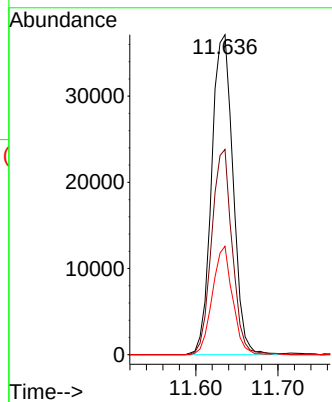
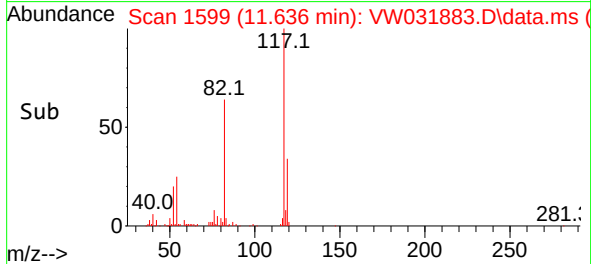


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.636 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

Instrument :  
MSVOA\_W  
ClientSampleId :

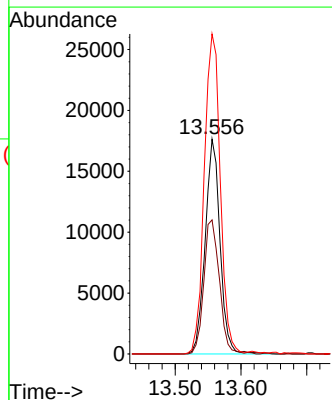
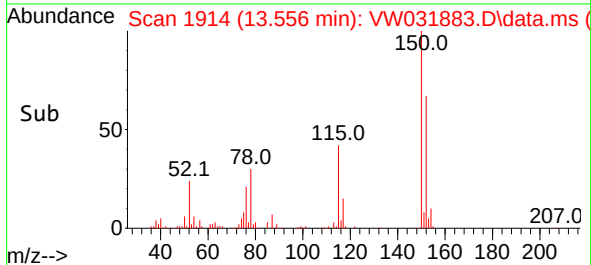
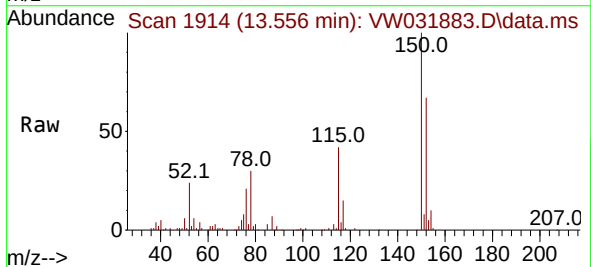


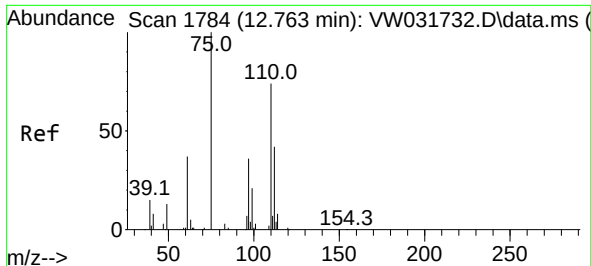
Tgt Ion:117 Resp: 67244  
Ion Ratio Lower Upper  
117 100  
82 64.2 48.6 72.8  
119 33.9 23.9 35.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

Tgt Ion:152 Resp: 27776  
Ion Ratio Lower Upper  
152 100  
115 65.2 31.9 95.7  
150 159.7 0.0 356.4

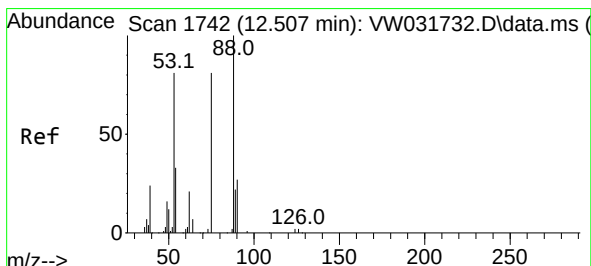
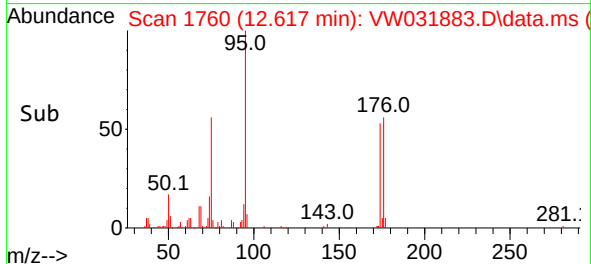
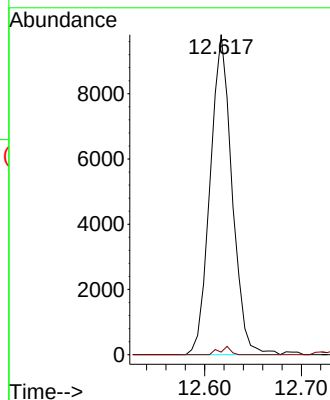
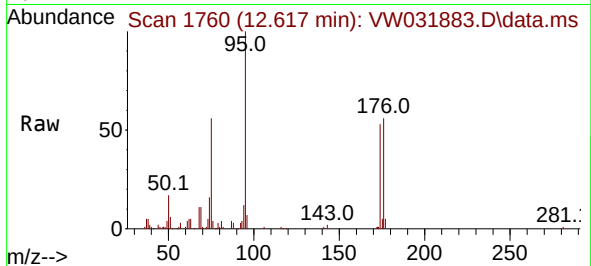




#76  
1,2,3-Trichloropropane  
Concen: 42.993 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.146 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

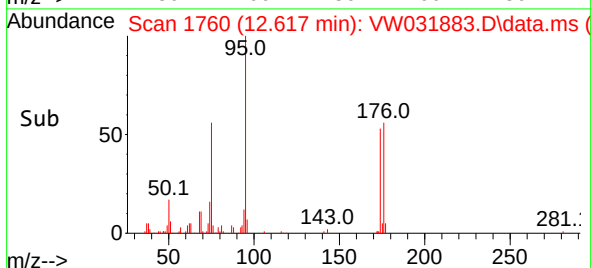
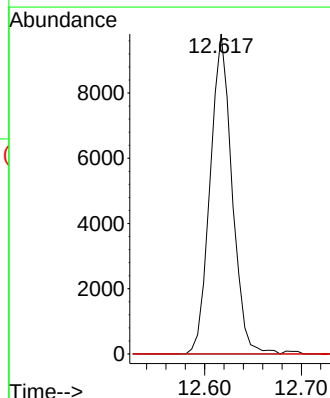
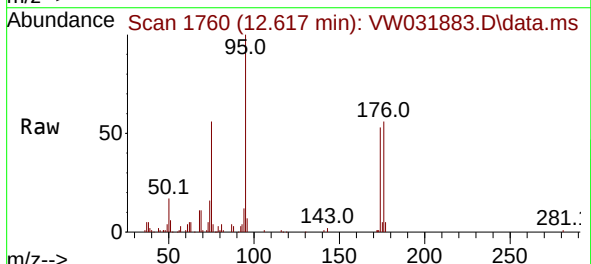
Instrument :  
MSVOA\_W  
ClientSampleId :

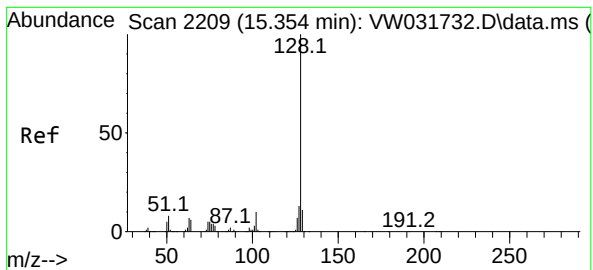
Tgt Ion: 75 Resp: 15432  
Ion Ratio Lower Upper  
75 100  
77 1.3 141.2 423.6#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 100.137 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.110 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

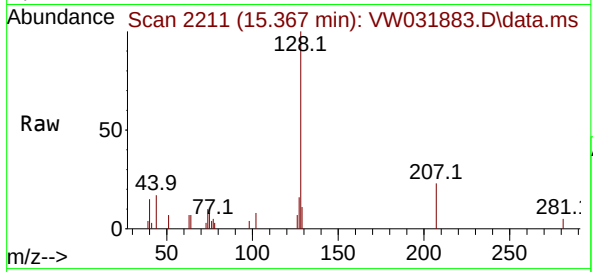
Tgt Ion: 75 Resp: 15432  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.5 125.3#  
89 0.0 38.3 57.5#





#95  
Naphthalene  
Concen: 3.019 ug/l  
RT: 15.367 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VW031883.D  
Acq: 17 Jul 2025 12:35

Instrument :  
MSVOA\_W  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3943  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.6  | 10.8  | 16.2  |
| 129      | 9.6   | 8.7   | 13.1  |

