

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121125\  
 Data File : VW032633.D  
 Acq On : 11 Dec 2025 15:21  
 Operator : SY/MD  
 Sample : Q3826-07  
 Misc : 4.19g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-11

Quant Time: Dec 12 00:45:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W121025S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 11 01:56:28 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.965  | 168  | 414929   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 837654   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.629 | 117  | 723149   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 295995   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 442652   | 66.627   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 133.260% |
| 35) Dibromofluoromethane    | 7.898  | 113   | 344271   | 57.162   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 114.320% |
| 50) Toluene-d8              | 10.331 | 98    | 1211629  | 56.362   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 112.720% |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 409201   | 51.846   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 103.700% |

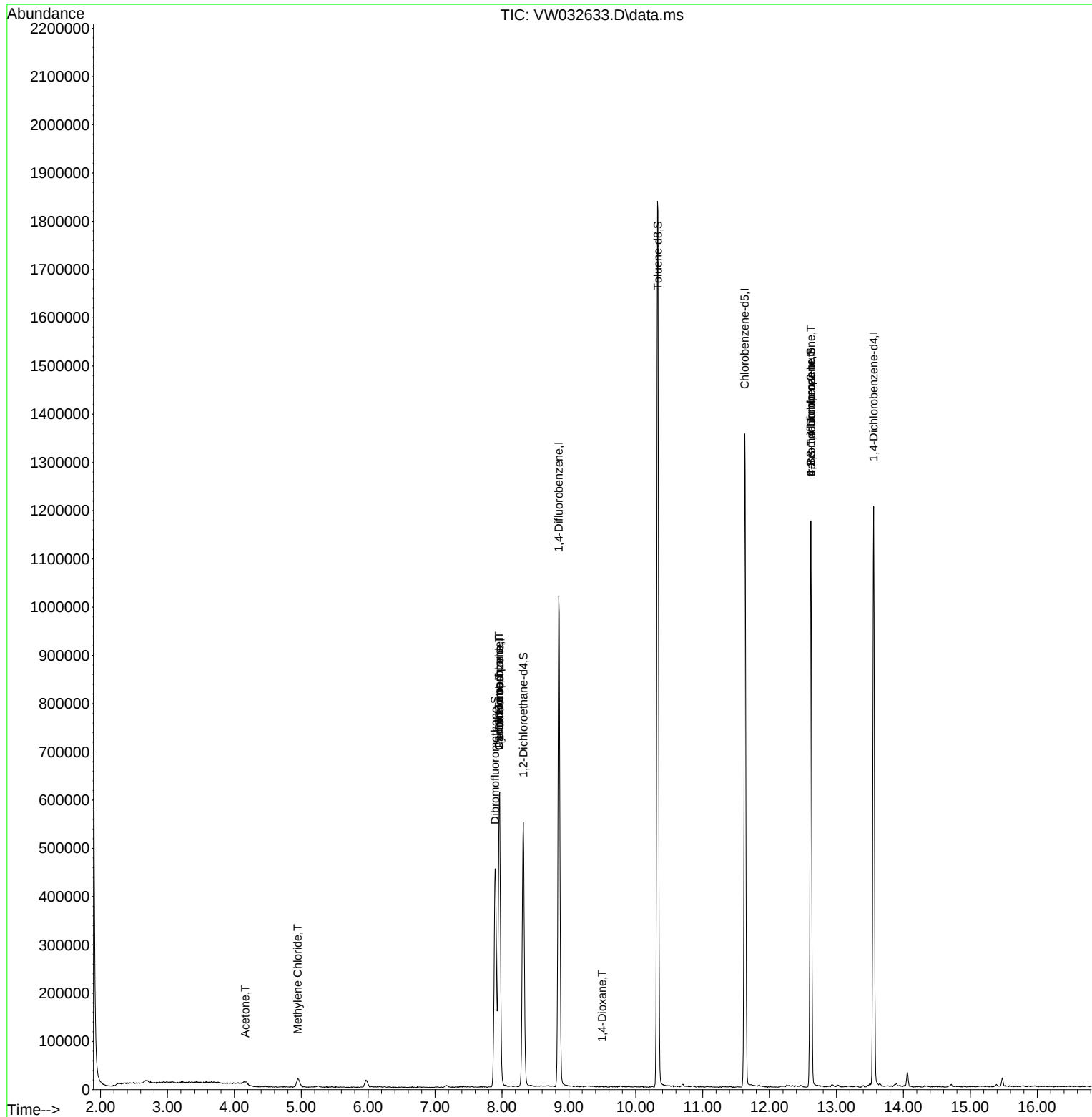
| Target Compounds              |        |     |        |           | Qvalue |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| 16) Acetone                   | 4.161  | 43  | 6104   | 2.808     | ug/l # | 87 |
| 20) Methylene Chloride        | 4.948  | 84  | 15224  | 2.294     | ug/l   | 99 |
| 31) Cyclohexane               | 7.959  | 56  | 12337  | 1.234     | ug/l # | 27 |
| 36) 1,1-Dichloropropene       | 7.959  | 75  | 41325  | 4.792     | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 7.959  | 117 | 48317  | 6.057     | ug/l # | 18 |
| 49) 1,4-Dioxane               | 9.496  | 88  | 76     | 1.461     | ug/l # | 9  |
| 58) 2-Chloroethyl Vinyl ether | 9.934  | 63  | 159    | Below Cal |        | 98 |
| 76) 1,2,3-Trichloropropane    | 12.617 | 75  | 212848 | 53.588    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.617 | 75  | 212848 | 104.712   | ug/l # | 7  |
| 95) Naphthalene               | 15.360 | 128 | 609    | Below Cal | #      | 93 |

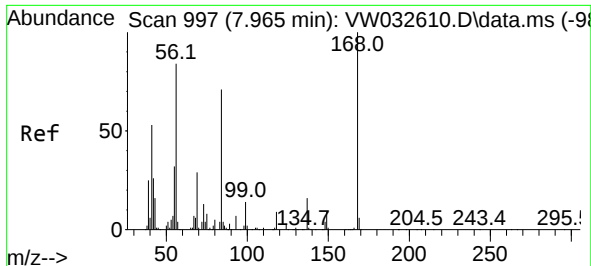
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121125\  
Data File : VW032633.D  
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Sample : Q3826-07  
Misc : 4.19g/5mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-11

Quant Time: Dec 12 00:45:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W121025S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 11 01:56:28 2025  
Response via : Initial Calibration

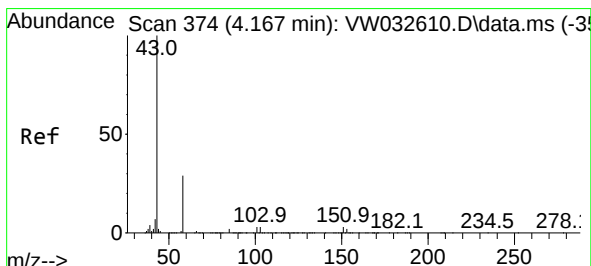
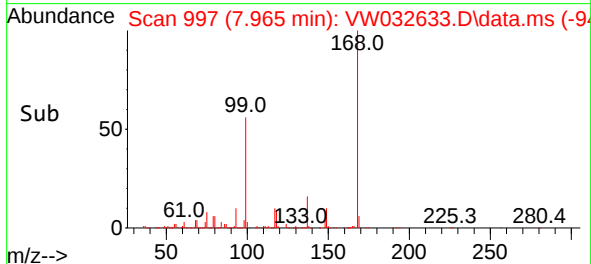
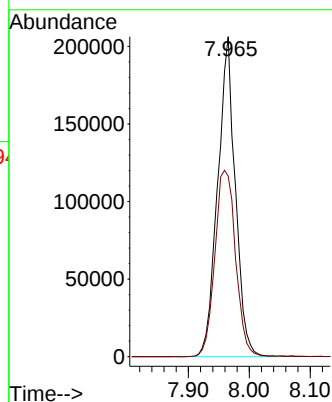
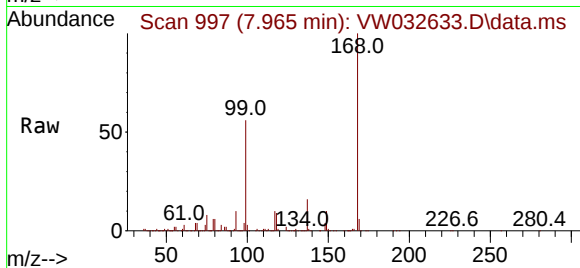




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

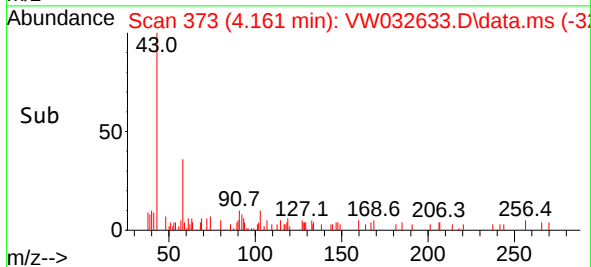
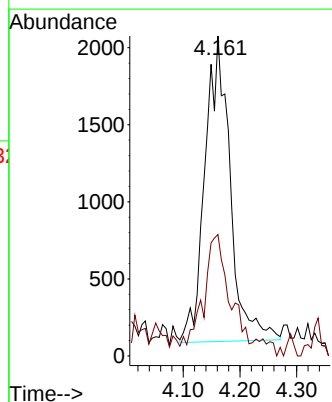
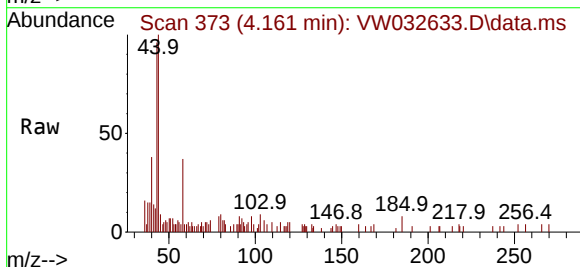
Instrument :  
MSVOA\_W  
ClientSampleId :  
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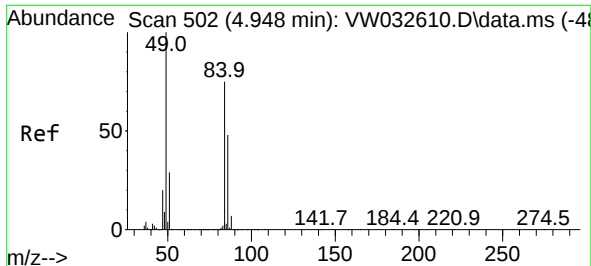
Tgt Ion:168 Resp: 414929  
Ion Ratio Lower Upper  
168 100  
99 56.4 47.8 71.8



#16  
Acetone  
Concen: 2.808 ug/l  
RT: 4.161 min Scan# 373  
Delta R.T. -0.006 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

Tgt Ion: 43 Resp: 6104  
Ion Ratio Lower Upper  
43 100  
58 37.2 23.9 35.9#

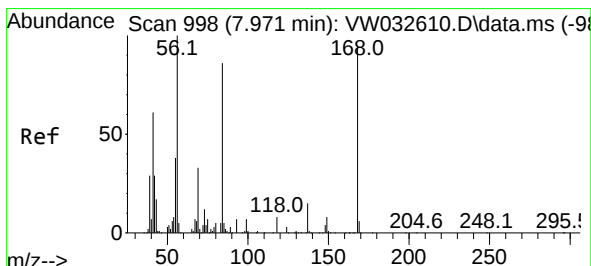
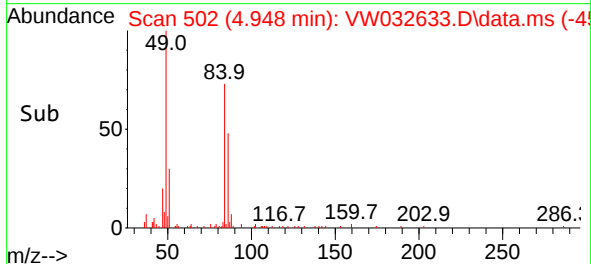
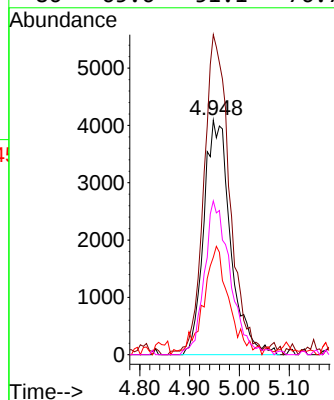
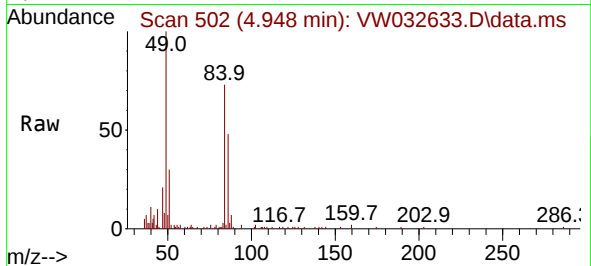




#20  
Methylene Chloride  
Concen: 2.294 ug/l  
RT: 4.948 min Scan# 502  
Delta R.T. 0.000 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

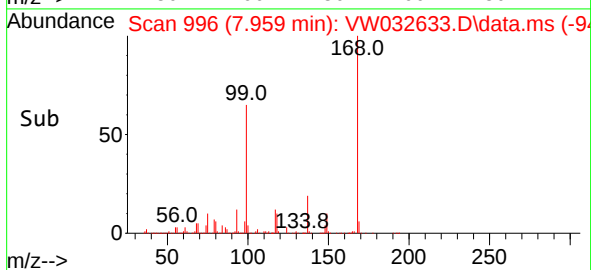
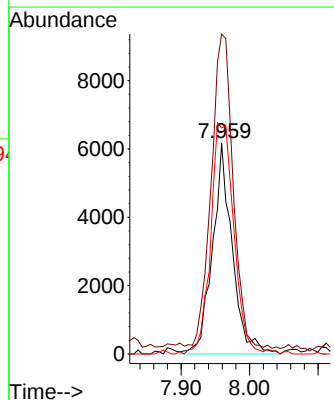
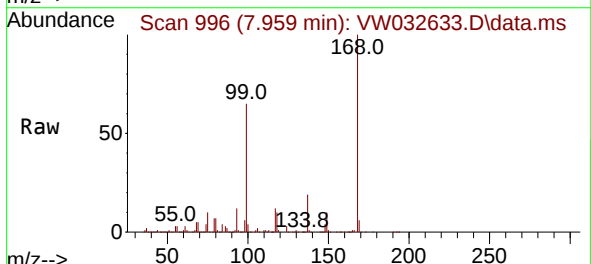
Instrument :  
MSVOA\_W  
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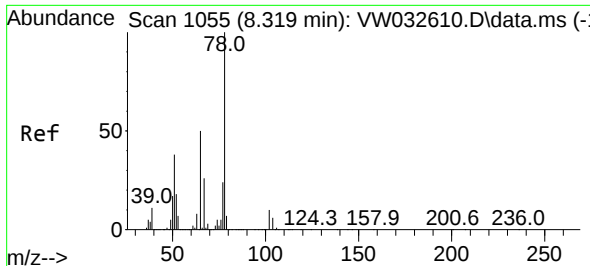
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 15224 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 135.0 | 106.9 | 160.3 |
| 51       | 39.6  | 31.4  | 47.2  |
| 86       | 65.6  | 51.1  | 76.7  |



#31  
Cyclohexane  
Concen: 1.234 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 12337  |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 149.0 | 26.2  | 39.2#  |
| 84       | 107.1 | 68.9  | 103.3# |

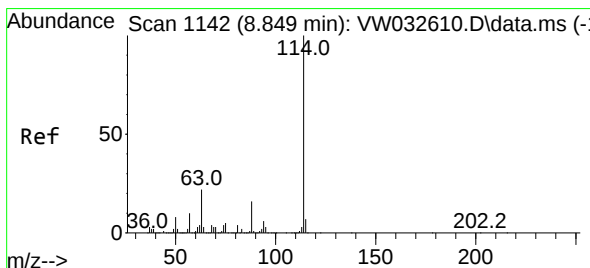
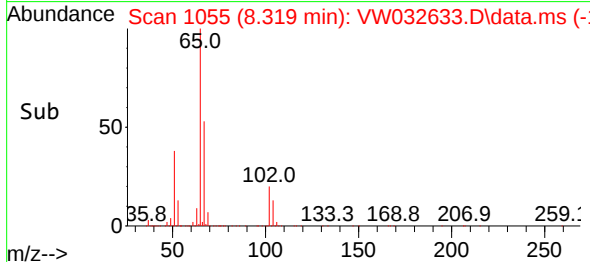
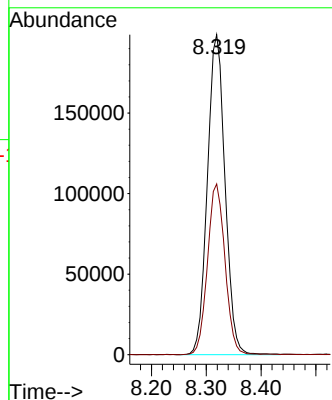
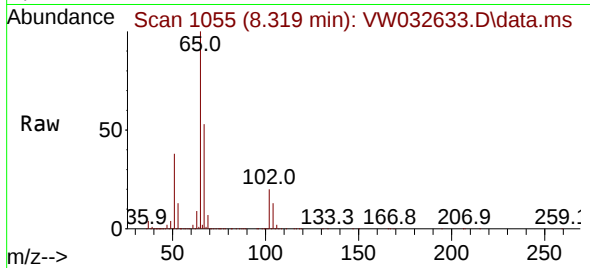




#33  
 1,2-Dichloroethane-d4  
 Concen: 66.627 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VW032633.D  
 Acq: 11 Dec 2025 15:21

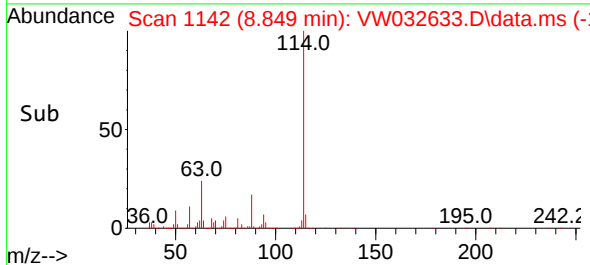
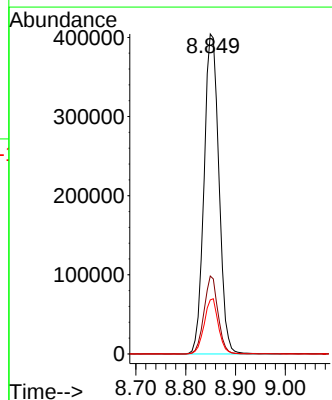
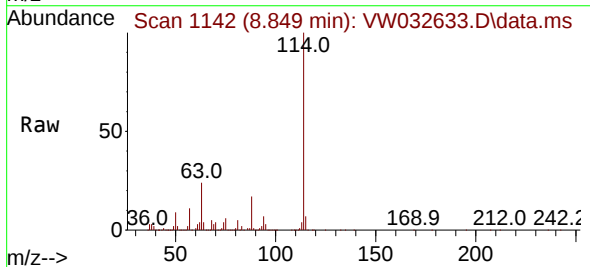
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-11

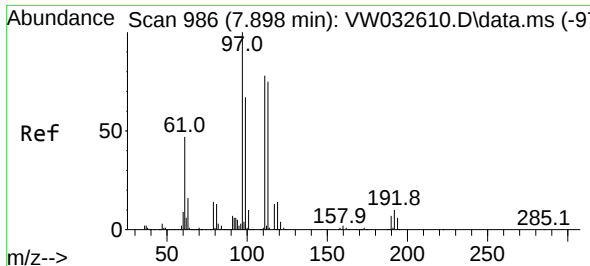
Tgt Ion: 65 Resp: 442652  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. 0.000 min  
 Lab File: VW032633.D  
 Acq: 11 Dec 2025 15:21

Tgt Ion: 114 Resp: 837654  
 Ion Ratio Lower Upper  
 114 100  
 63 24.3 0.0 44.6  
 88 16.9 0.0 31.8

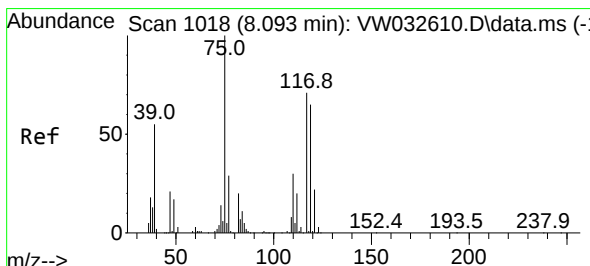
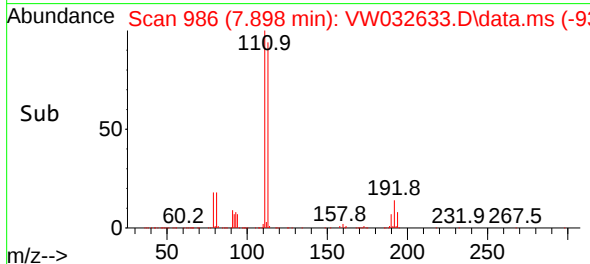
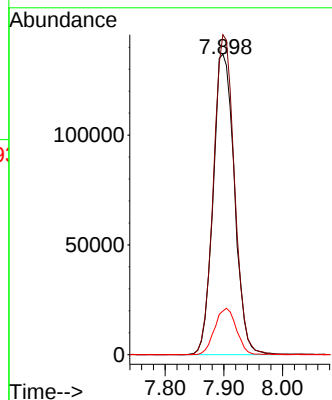
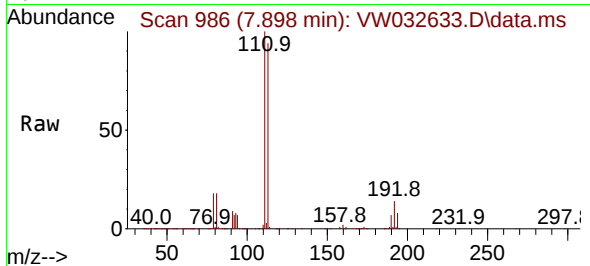




#35  
Dibromofluoromethane  
Concen: 57.162 ug/l  
RT: 7.898 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

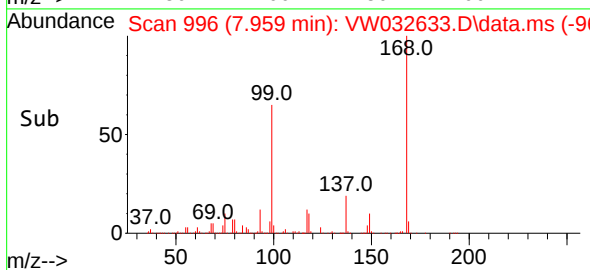
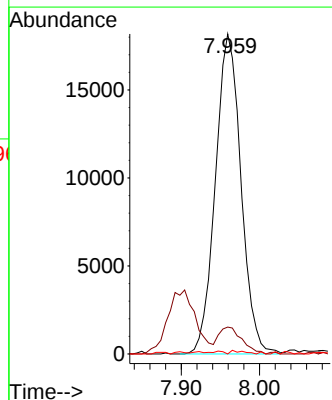
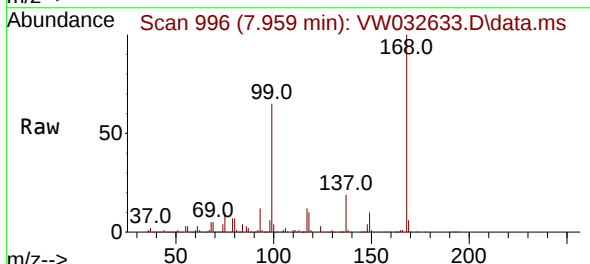
Instrument :  
MSVOA\_W  
ClientSampleId :  
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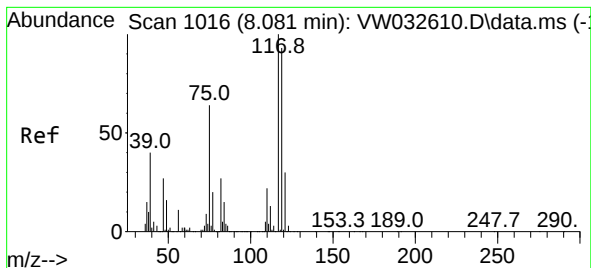
Tgt Ion:113 Resp: 344271  
Ion Ratio Lower Upper  
113 100  
111 104.4 85.2 127.8  
192 15.7 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.792 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.134 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

Tgt Ion: 75 Resp: 41325  
Ion Ratio Lower Upper  
75 100  
110 7.6 16.3 48.9#  
77 0.5 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.057 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032633.D

Acq: 11 Dec 2025 15:21

Instrument :

MSVOA\_W

ClientSampleId :

TP-11

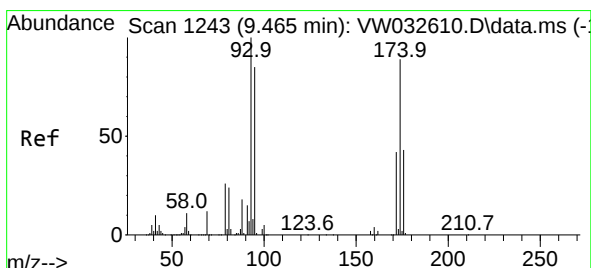
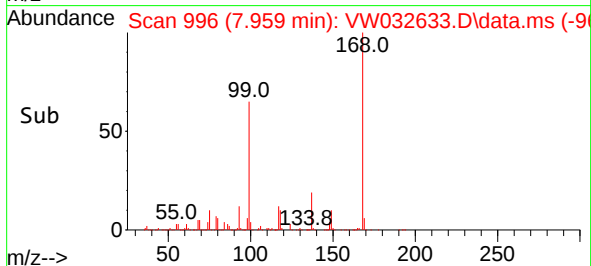
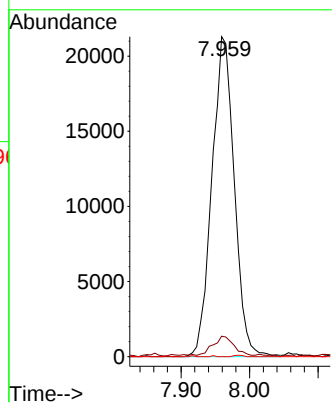
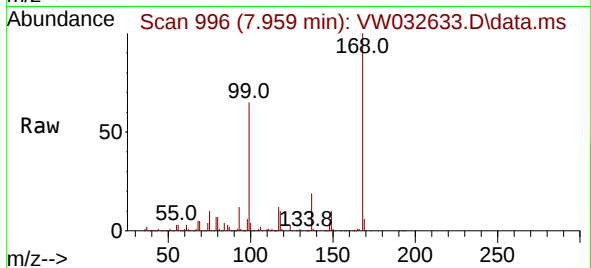
Tgt Ion:117 Resp: 48317

Ion Ratio Lower Upper

117 100

119 6.4 74.3 111.5#

121 0.0 23.6 35.4#



#49

1,4-Dioxane

Concen: 1.461 ug/l

RT: 9.496 min Scan# 1248

Delta R.T. 0.030 min

Lab File: VW032633.D

Acq: 11 Dec 2025 15:21

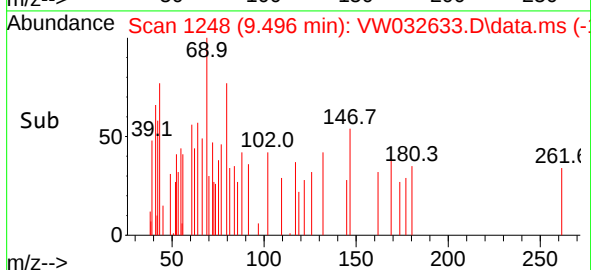
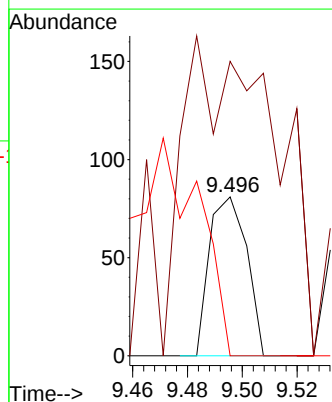
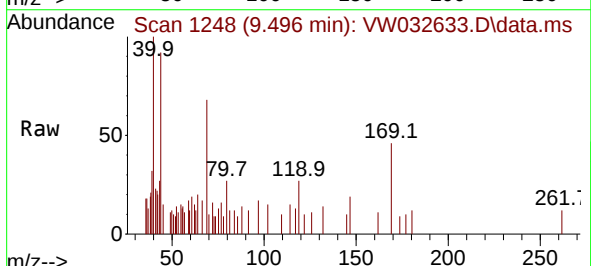
Tgt Ion: 88 Resp: 76

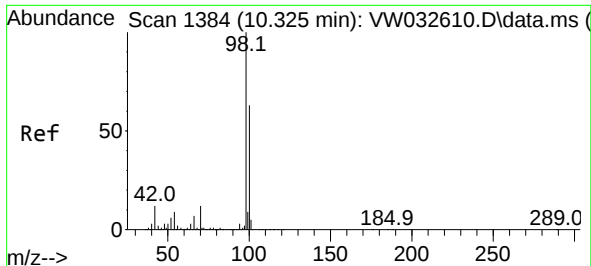
Ion Ratio Lower Upper

88 100

43 186.8 0.0 0.0#

58 0.0 63.8 95.8#

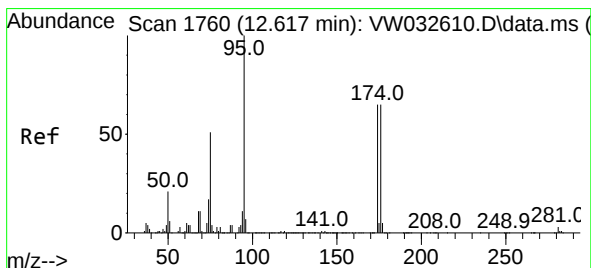
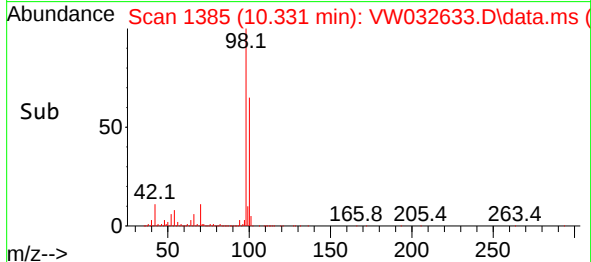
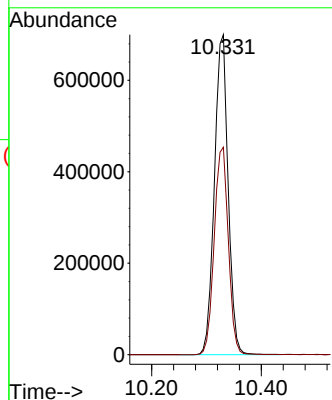
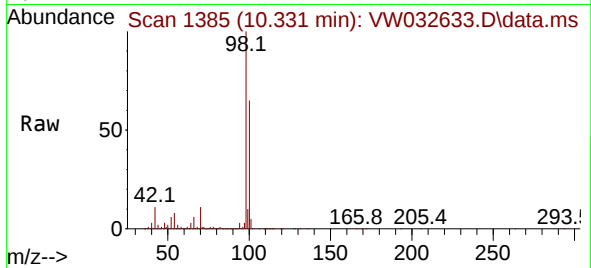




#50  
Toluene-d8  
Concen: 56.362 ug/l  
RT: 10.331 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

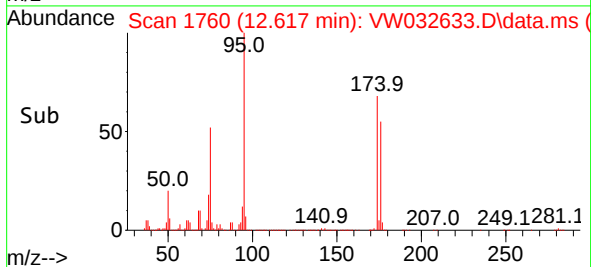
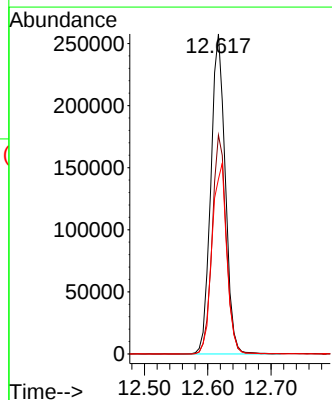
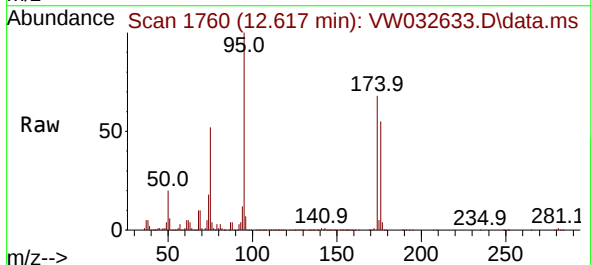
Instrument :  
MSVOA\_W  
ClientSampleId :  
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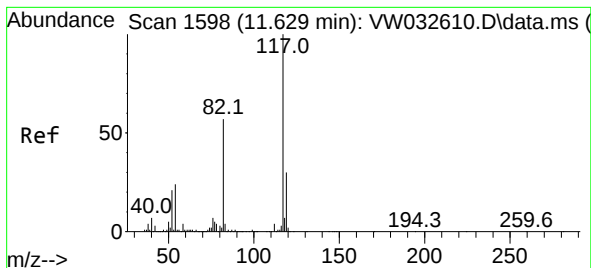
Tgt Ion: 98 Resp: 1211629  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 51.846 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

Tgt Ion: 95 Resp: 409201  
Ion Ratio Lower Upper  
95 100  
174 66.6 0.0 135.0  
176 61.0 0.0 123.4

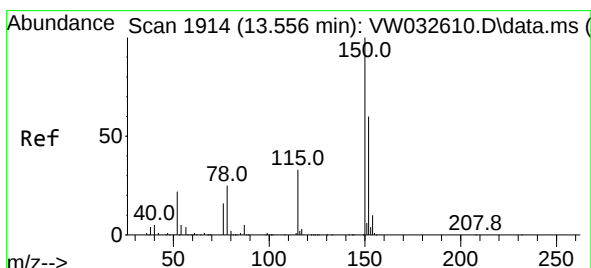
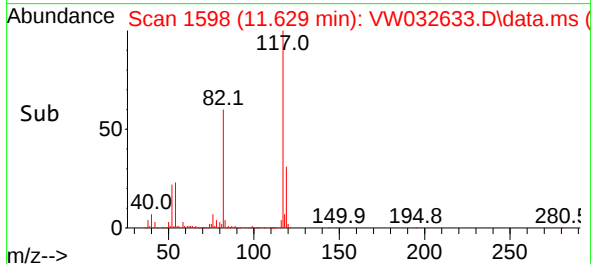
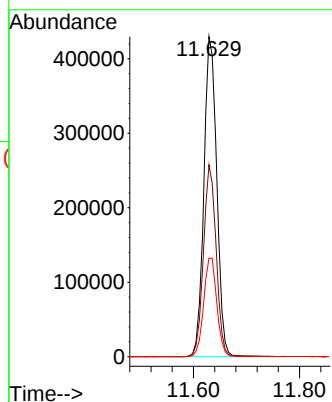
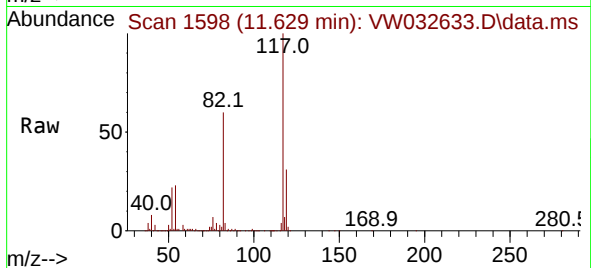




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

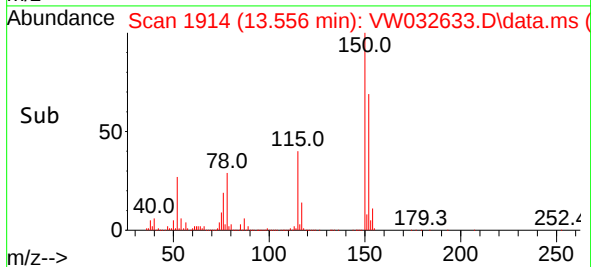
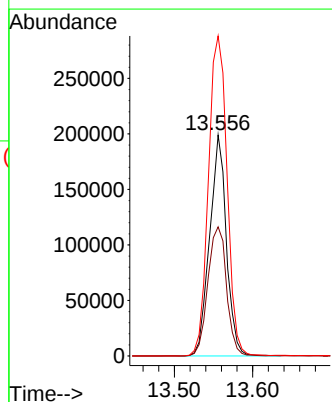
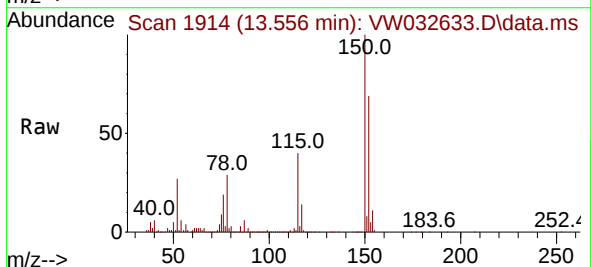
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-11

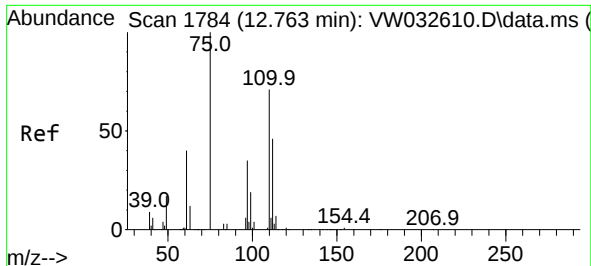
Tgt Ion:117 Resp: 723149  
Ion Ratio Lower Upper  
117 100  
82 59.9 45.5 68.3  
119 30.8 23.8 35.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

Tgt Ion:152 Resp: 295995  
Ion Ratio Lower Upper  
152 100  
115 65.2 33.8 101.3  
150 160.6 0.0 369.4

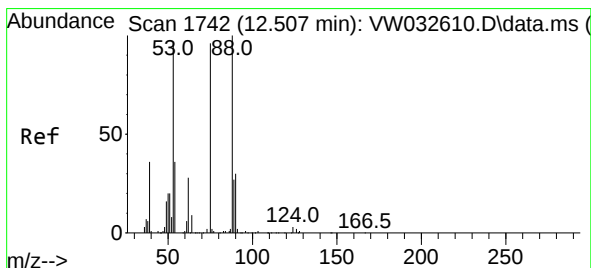
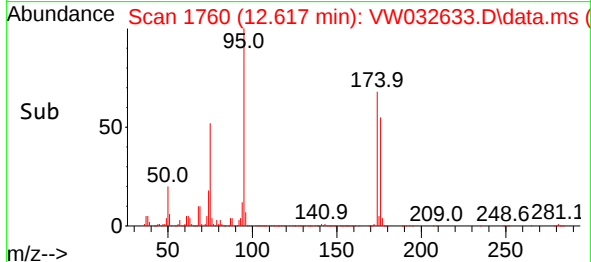
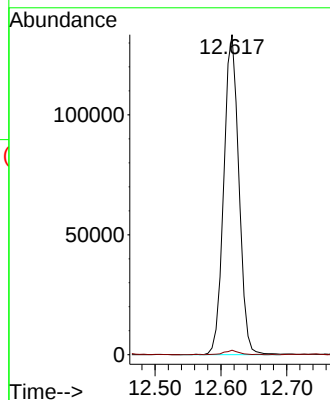
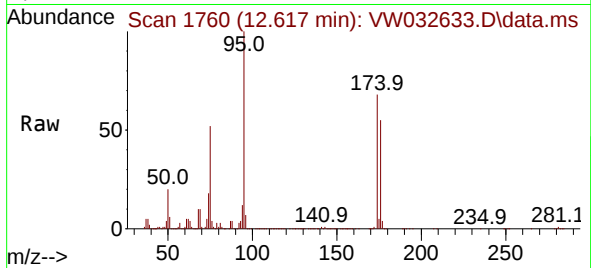




#76  
1,2,3-Trichloropropane  
Concen: 53.588 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.146 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-11

Tgt Ion: 75 Resp: 212848  
Ion Ratio Lower Upper  
75 100  
77 1.4 154.0 462.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 104.712 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.110 min  
Lab File: VW032633.D  
Acq: 11 Dec 2025 15:21

Tgt Ion: 75 Resp: 212848  
Ion Ratio Lower Upper  
75 100  
53 0.2 86.1 129.1#  
89 0.2 37.4 56.2#

