

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071025\  
 Data File : VW031807.D  
 Acq On : 10 Jul 2025 16:42  
 Operator : SY/MD  
 Sample : Q2550-02  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VNJ-203

Quant Time: Jul 11 02:23:35 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

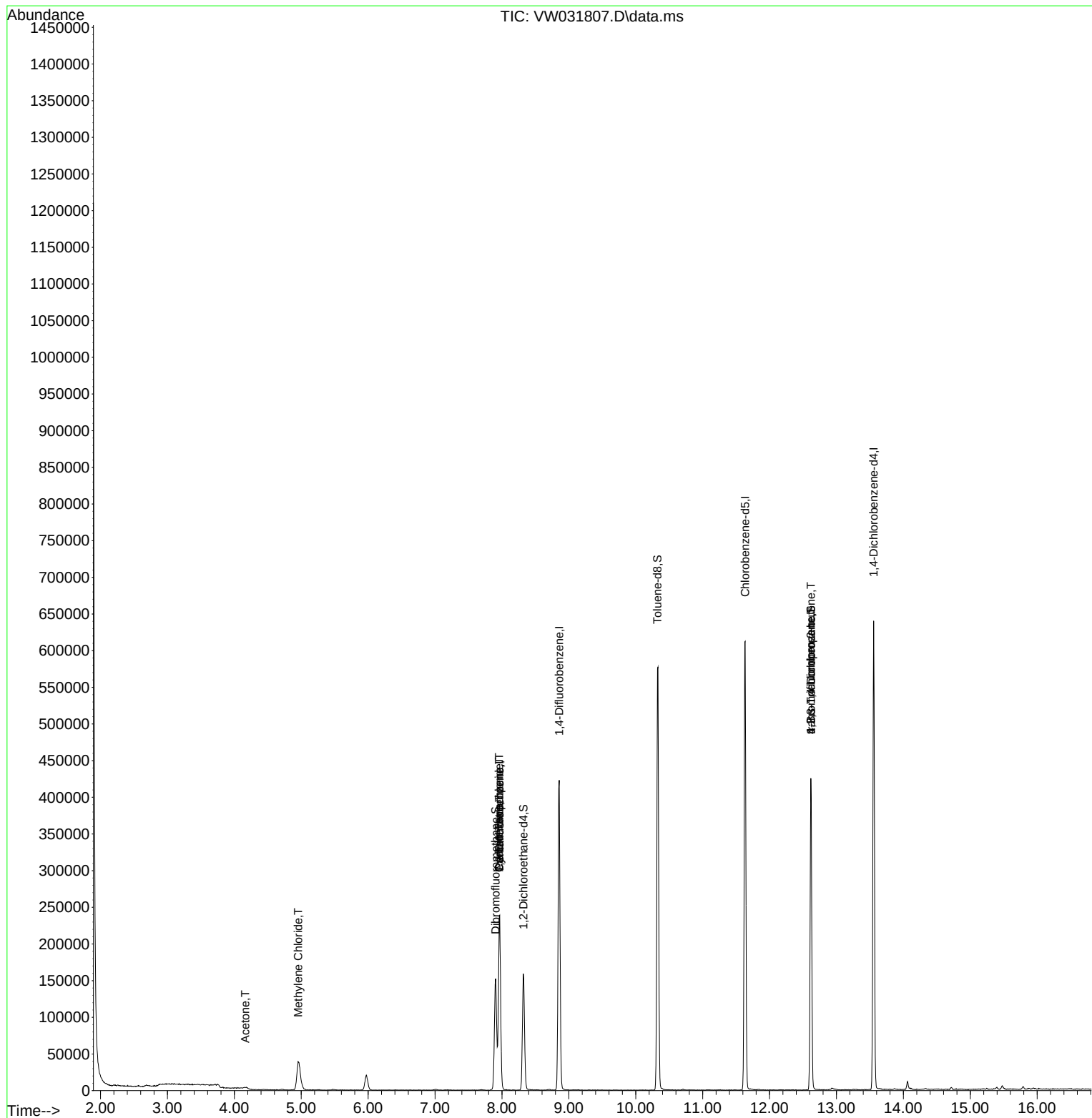
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 7.965          | 168  | 158963              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.856          | 114  | 356218              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.636         | 117  | 341011              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 155320              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.319          | 65   | 130923              | 57.390 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 63 - 155 |      | Recovery = 114.780% |        |        |          |
| 35) Dibromofluoromethane      | 7.904          | 113  | 111423              | 47.935 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 134 |      | Recovery = 95.860%  |        |        |          |
| 50) Toluene-d8                | 10.325         | 98   | 386863              | 44.722 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 123 |      | Recovery = 89.440%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.617         | 95   | 155445              | 48.831 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 17 - 146 |      | Recovery = 97.660%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 16) Acetone                   | 4.161          | 43   | 2275                | 4.035  | ug/l # | 87       |
| 20) Methylene Chloride        | 4.954          | 84   | 35730               | 12.364 | ug/l   | 98       |
| 31) Cyclohexane               | 7.959          | 56   | 4167                | 1.283  | ug/l # | 2        |
| 36) 1,1-Dichloropropene       | 7.959          | 75   | 15523               | 4.615  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.959          | 117  | 18615               | 5.431  | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.617         | 75   | 82361               | 41.033 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.617         | 75   | 82361               | 95.573 | ug/l # | 8        |
| -----                         |                |      |                     |        |        |          |

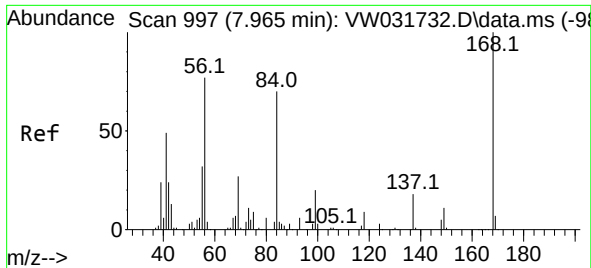
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071025\  
Data File : VW031807.D  
Acq On : 10 Jul 2025 16:42  
Operator : SY/MD  
Sample : Q2550-02  
Misc : 5.00g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VNJ-203

Quant Time: Jul 11 02:23:35 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

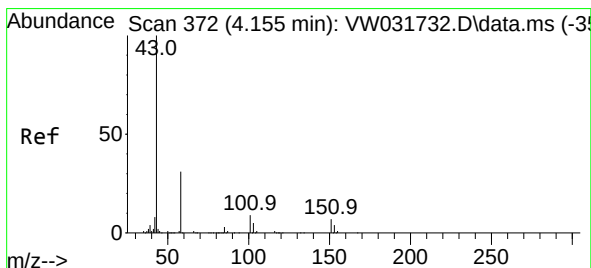
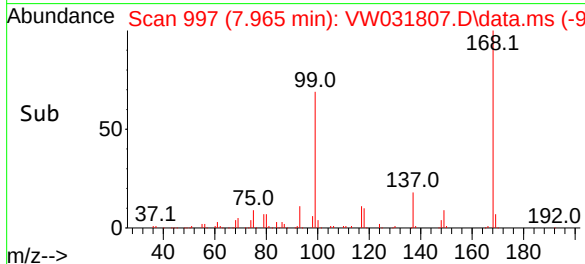
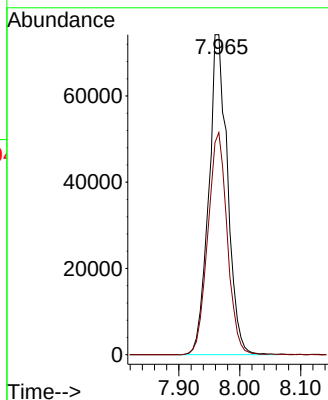
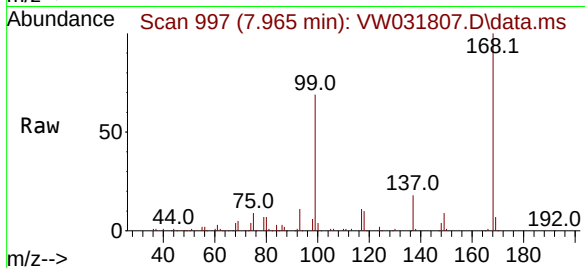




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

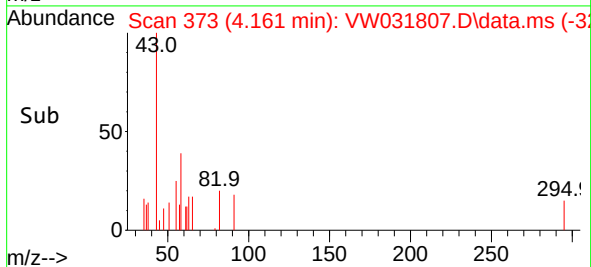
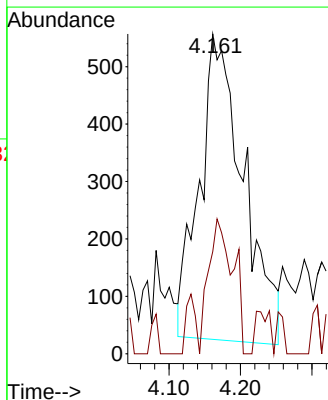
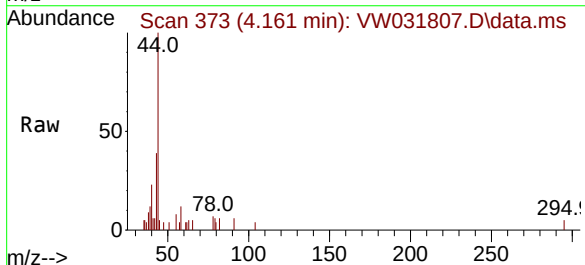
Instrument :  
MSVOA\_W  
ClientSampleId :  
VNJ-203

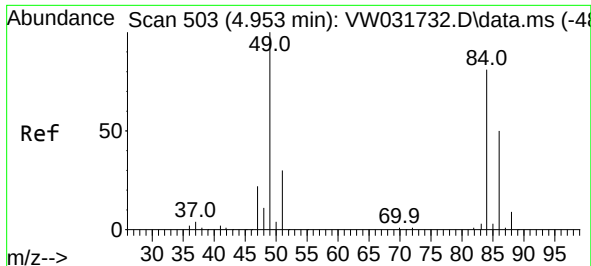
Tgt Ion:168 Resp: 158963  
Ion Ratio Lower Upper  
168 100  
99 69.4 49.4 74.2



#16  
Acetone  
Concen: 4.035 ug/l  
RT: 4.161 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

Tgt Ion: 43 Resp: 2275  
Ion Ratio Lower Upper  
43 100  
58 37.9 24.8 37.2#

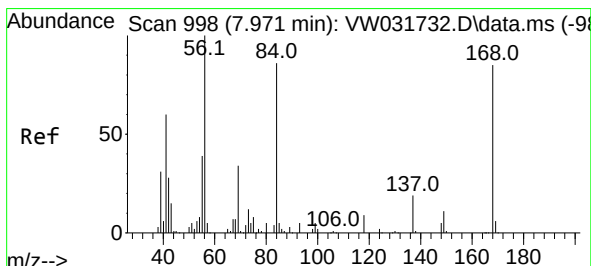
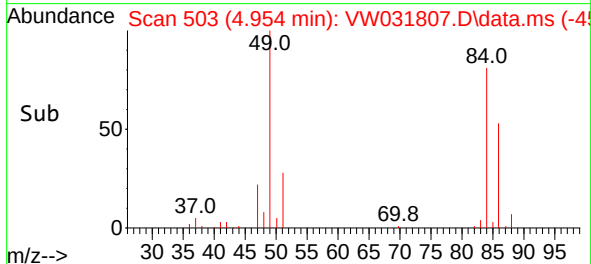
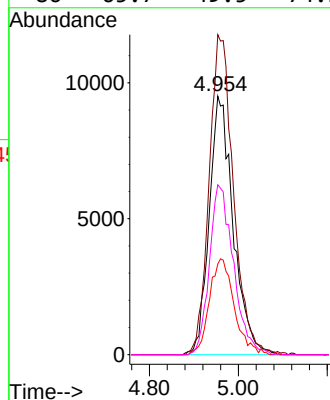
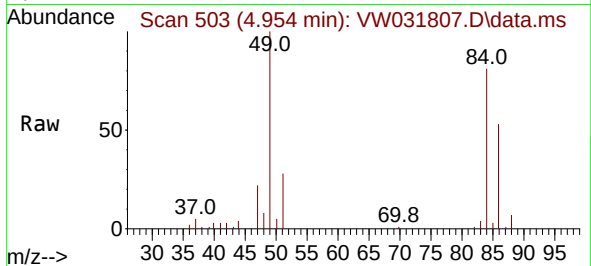




#20  
Methylene Chloride  
Concen: 12.364 ug/l  
RT: 4.954 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

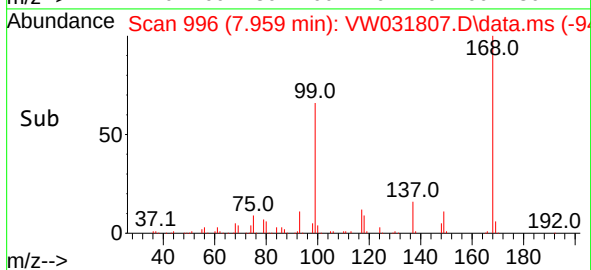
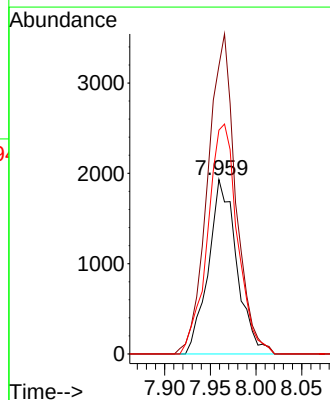
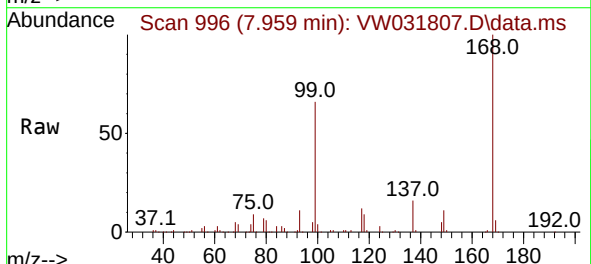
Instrument :  
MSVOA\_W  
ClientSampleId :  
VNJ-203

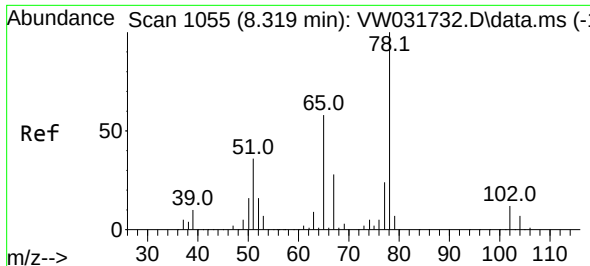
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 35730 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.8 | 98.2  | 147.4 |
| 51       | 35.1  | 29.8  | 44.8  |
| 86       | 65.7  | 49.5  | 74.3  |



#31  
Cyclohexane  
Concen: 1.283 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4167   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 165.1 | 27.2  | 40.8#  |
| 84       | 128.3 | 68.5  | 102.7# |

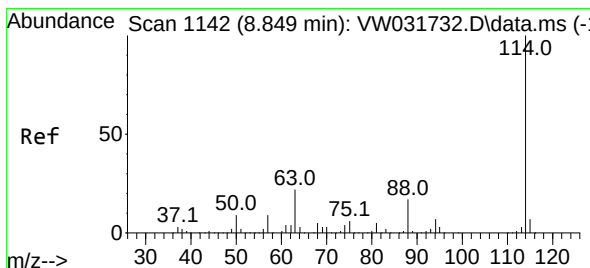
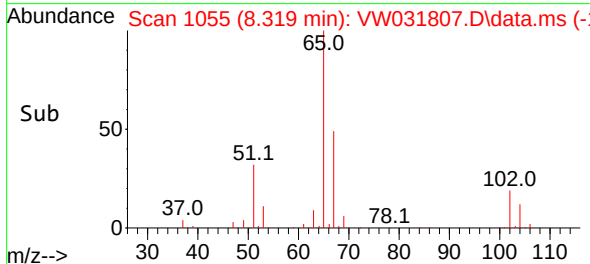
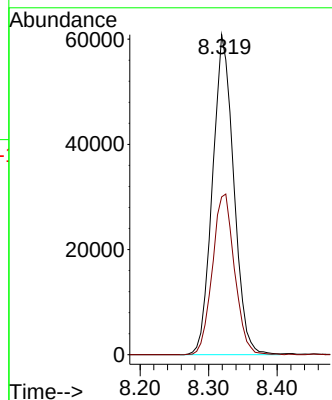
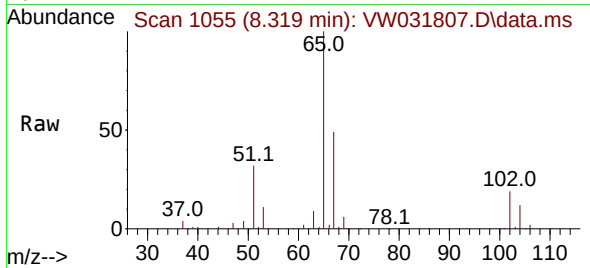




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.390 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

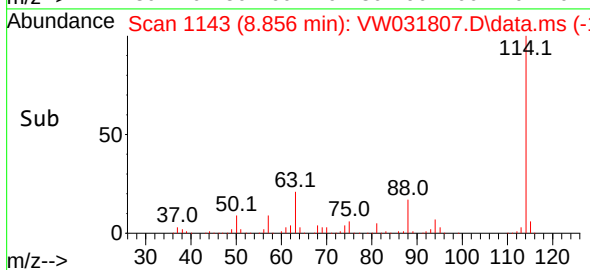
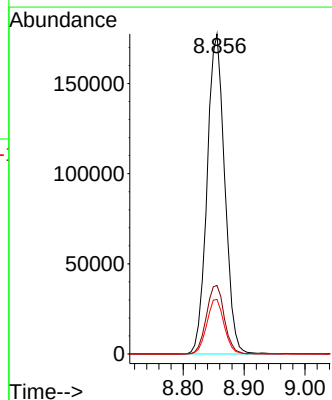
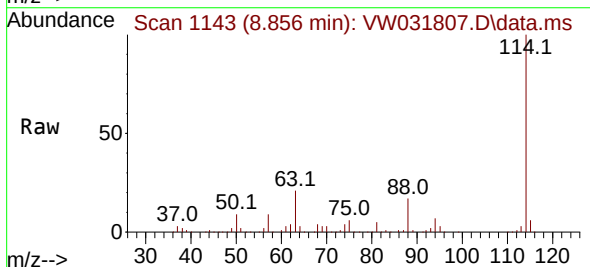
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VNJ-203

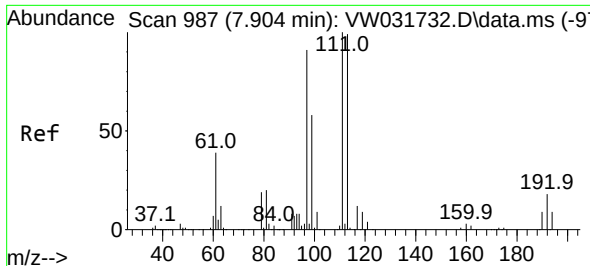
Tgt Ion: 65 Resp: 130923  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.856 min Scan# 1143  
 Delta R.T. 0.006 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

Tgt Ion: 114 Resp: 356218  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 43.6  
 88 17.1 0.0 34.2



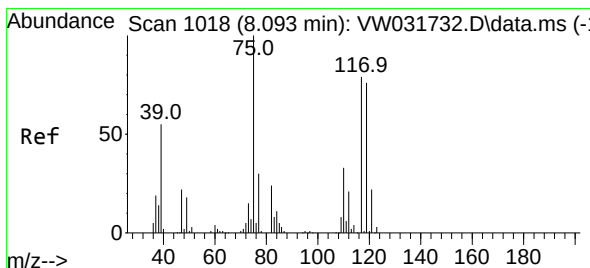
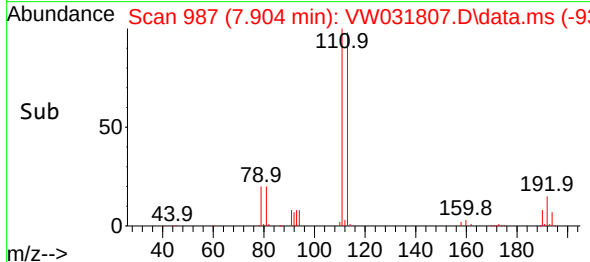
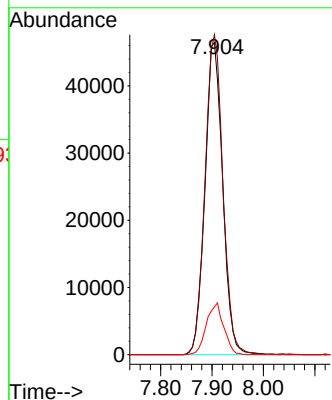
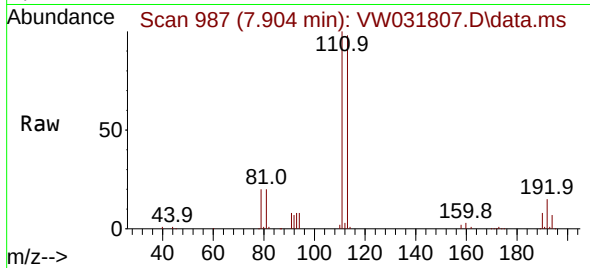


#35  
 Dibromofluoromethane  
 Concen: 47.935 ug/l  
 RT: 7.904 min Scan# 911  
 Delta R.T. 0.000 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VNJ-203

Tgt Ion: 113 Resp: 111423

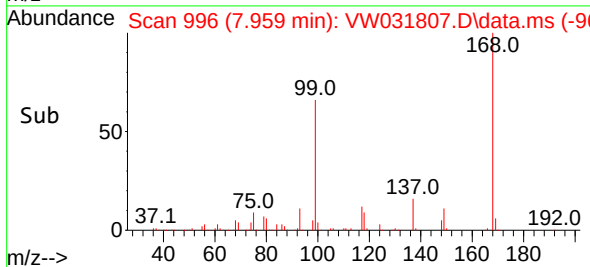
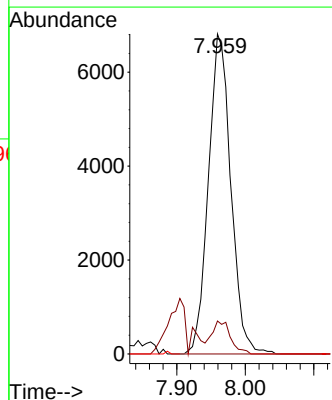
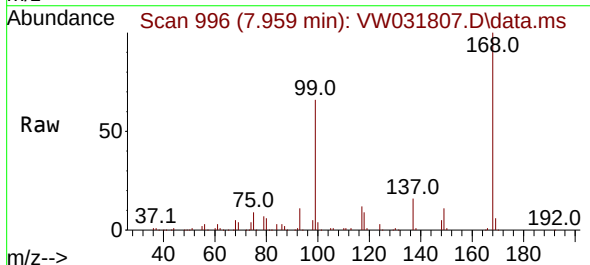
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.0 | 82.1  | 123.1 |
| 192 | 16.2  | 13.8  | 20.6  |

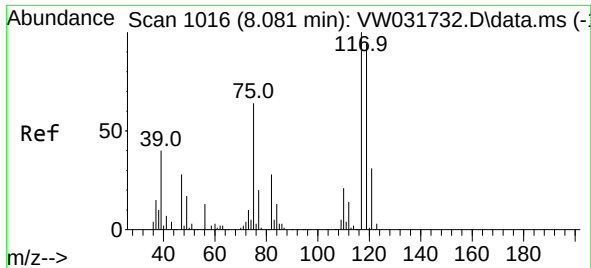


#36  
 1,1-Dichloropropene  
 Concen: 4.615 ug/l  
 RT: 7.959 min Scan# 996  
 Delta R.T. -0.134 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

Tgt Ion: 75 Resp: 15523

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 8.6   | 16.8  | 50.4# |
| 77  | 0.0   | 25.0  | 37.6# |

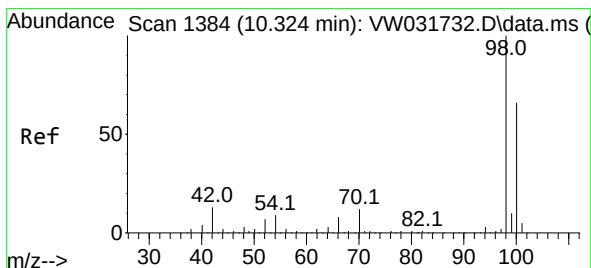
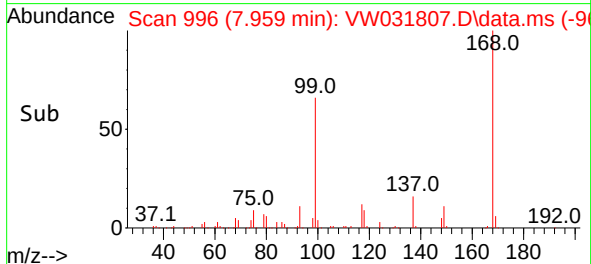
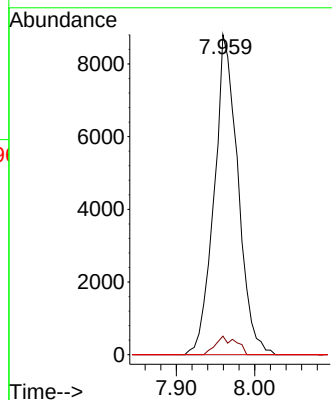
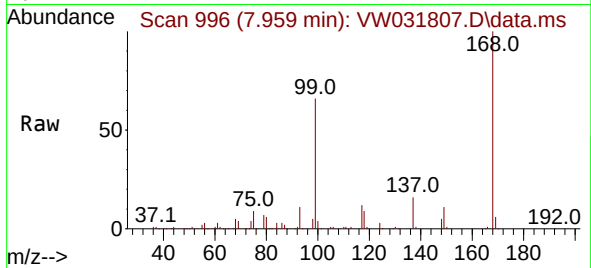




#38  
Carbon Tetrachloride  
Concen: 5.431 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.122 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

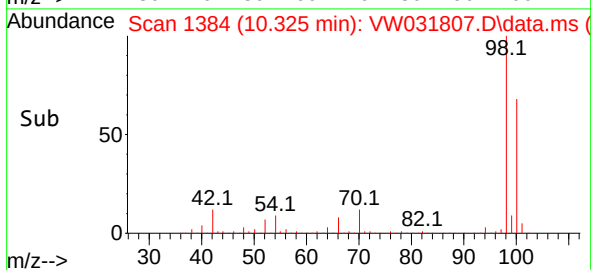
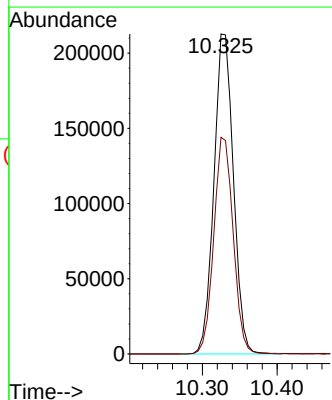
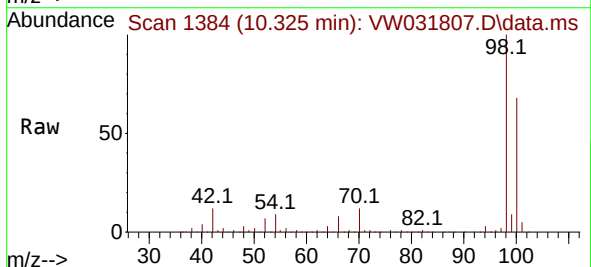
Instrument :  
MSVOA\_W  
ClientSampleId :  
VNJ-203

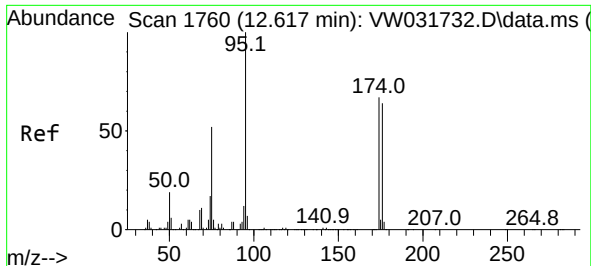
Tgt Ion:117 Resp: 18615  
Ion Ratio Lower Upper  
117 100  
119 5.8 75.0 112.6#  
121 0.0 24.6 37.0#



#50  
Toluene-d8  
Concen: 44.722 ug/l  
RT: 10.325 min Scan# 1384  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

Tgt Ion: 98 Resp: 386863  
Ion Ratio Lower Upper  
98 100  
100 67.3 53.0 79.4

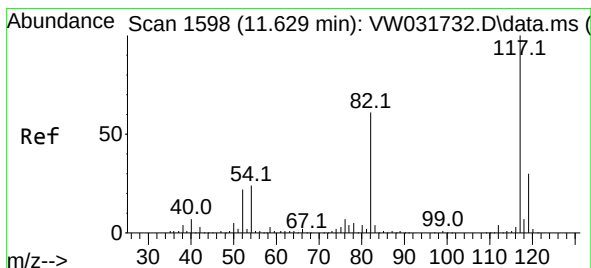
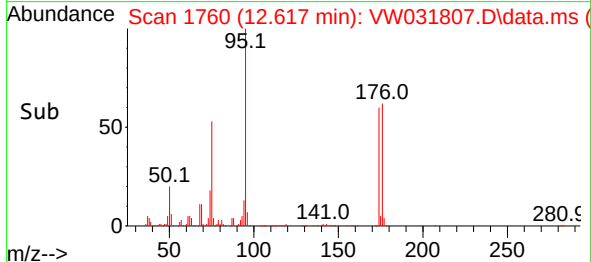
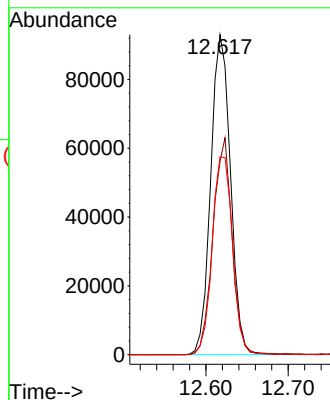
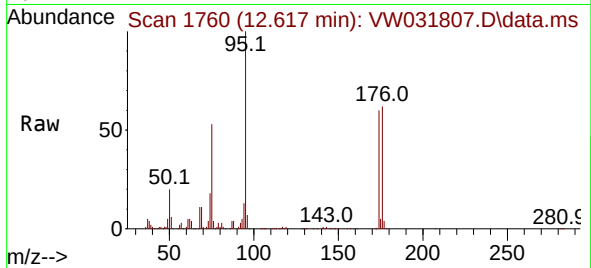




#62  
4-Bromofluorobenzene  
Concen: 48.831 ug/l  
RT: 12.617 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

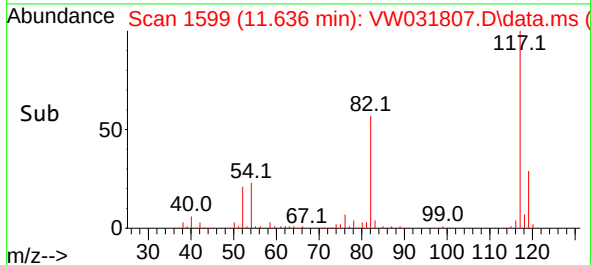
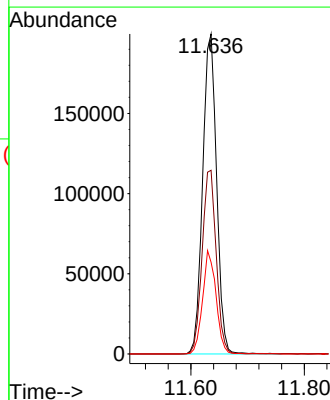
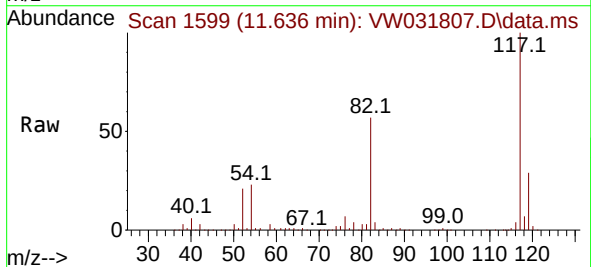
Instrument :  
MSVOA\_W  
ClientSampleId :  
VNJ-203

Tgt Ion: 95 Resp: 155445  
Ion Ratio Lower Upper  
95 100  
174 65.3 0.0 133.8  
176 63.6 0.0 126.0

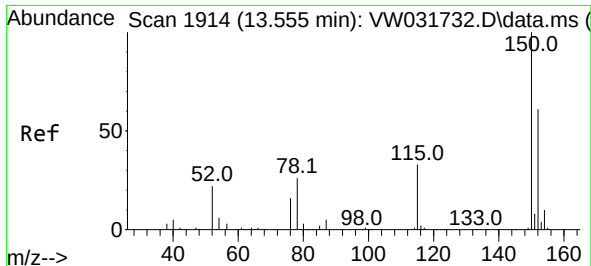


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.636 min Scan# 1599  
Delta R.T. 0.007 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

Tgt Ion: 117 Resp: 341011  
Ion Ratio Lower Upper  
117 100  
82 57.4 48.6 72.8  
119 28.7 23.9 35.9



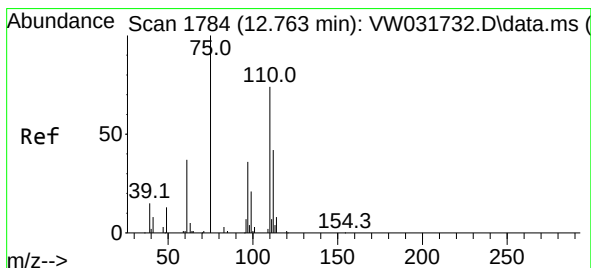
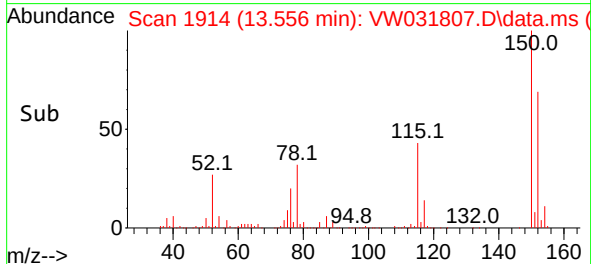
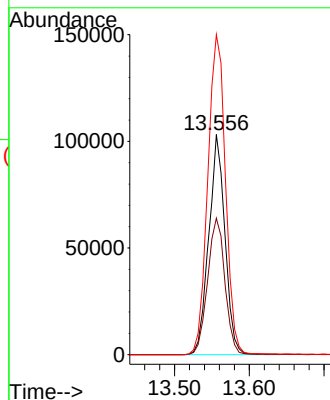
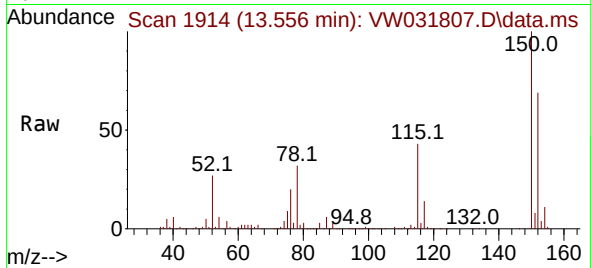




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.556 min Scan# 1914  
 Delta R.T. 0.000 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

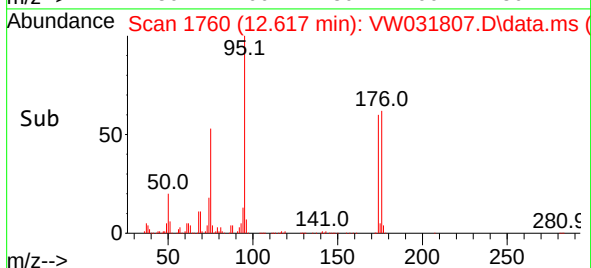
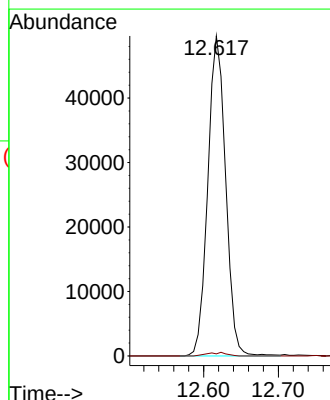
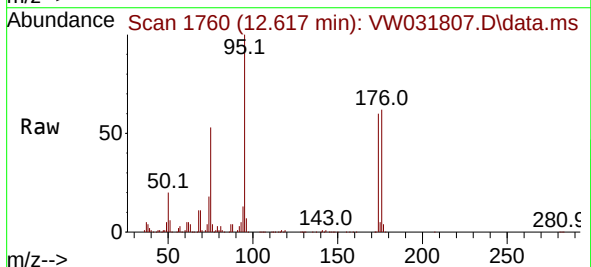
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VNJ-203

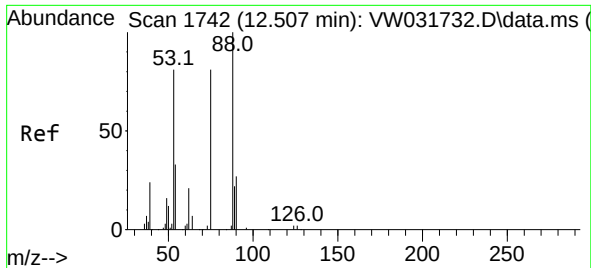
Tgt Ion:152 Resp: 155320  
 Ion Ratio Lower Upper  
 152 100  
 115 66.3 31.9 95.7  
 150 159.1 0.0 356.4



#76  
 1,2,3-Trichloropropane  
 Concen: 41.033 ug/l  
 RT: 12.617 min Scan# 1760  
 Delta R.T. -0.146 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

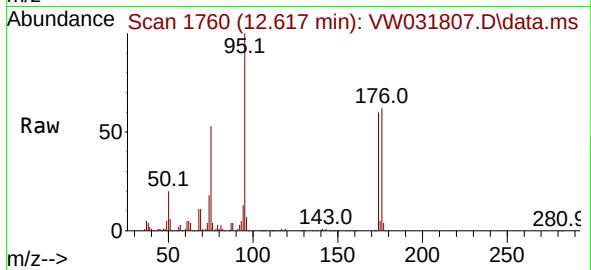
Tgt Ion: 75 Resp: 82361  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 141.2 423.6#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 95.573 ug/l  
 RT: 12.617 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VNJ-203



Tgt Ion: 75 Resp: 82361  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.5 125.3#  
 89 0.0 38.3 57.5#

