

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092525\  
 Data File : VX047809.D  
 Acq On : 25 Sep 2025 14:14  
 Operator : JC/MD  
 Sample : Q3127-13RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT119S1-20250916

Quant Time: Sep 26 01:28:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

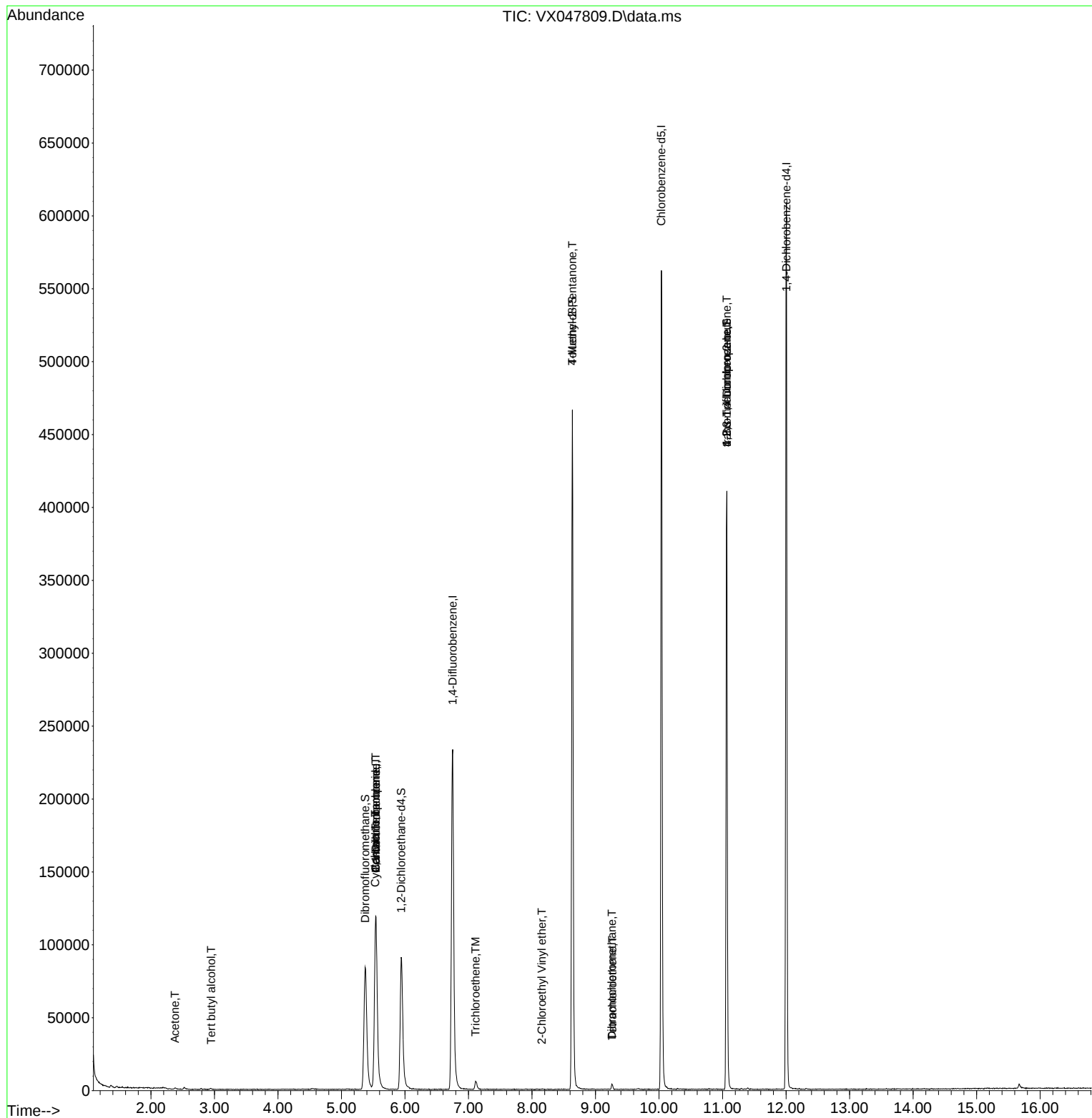
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.543     | 168   | 122798   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.751     | 114   | 255684   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.037    | 117   | 260354   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006    | 152   | 131454   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.940     | 65    | 98318    | 50.300   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 100.600% |          |
| 35) Dibromofluoromethane      | 5.373     | 113   | 83213    | 48.528   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 97.060%  |          |
| 50) Toluene-d8                | 8.634     | 98    | 287424   | 48.442   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 96.880%  |          |
| 62) 4-Bromofluorobenzene      | 11.067    | 95    | 119966   | 53.275   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 106.540% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 2.946     | 59    | 98       | 0.450    | ug/l #     | 72       |
| 16) Acetone                   | 2.379     | 43    | 1121     | 1.319    | ug/l       | 92       |
| 31) Cyclohexane               | 5.531     | 56    | 2604     | 1.008    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.537     | 75    | 9937     | 3.966    | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 5.537     | 117   | 12940    | 4.753    | ug/l #     | 18       |
| 44) Trichloroethene           | 7.110     | 130   | 2651     | 1.441    | ug/l       | 77       |
| 51) 4-Methyl-2-Pentanone      | 8.634     | 43    | 1481     | 0.607    | ug/l #     | 1        |
| 58) 2-Chloroethyl Vinyl ether | 8.153     | 63    | 331      | 8.138    | ug/l #     | 47       |
| 60) Dibromochloromethane      | 9.256     | 129   | 766      | 0.368    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.262     | 164   | 658      | 0.388    | ug/l       | 86       |
| 76) 1,2,3-Trichloropropane    | 11.067    | 75    | 61459    | 23.092   | ug/l #     | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.067    | 75    | 61459    | 58.887   | ug/l #     | 8        |
| -----                         |           |       |          |          |            |          |

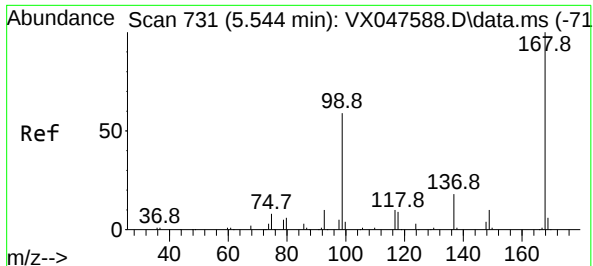
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092525\  
Data File : VX047809.D  
Acq On : 25 Sep 2025 14:14  
Operator : JC/MD  
Sample : Q3127-13RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

Quant Time: Sep 26 01:28:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration

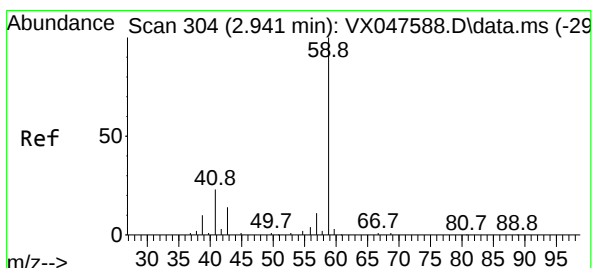
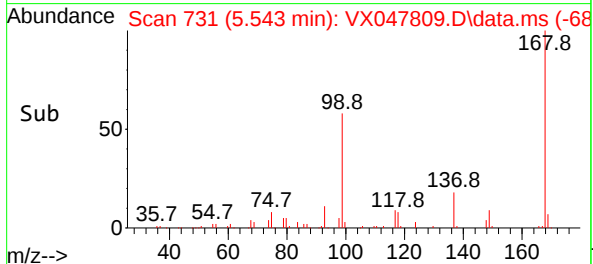
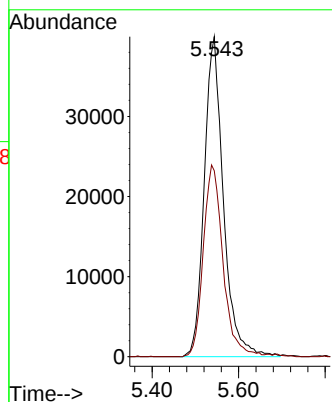
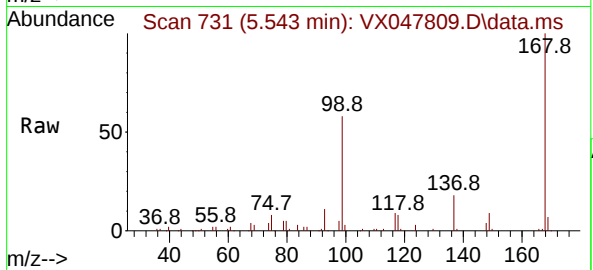




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

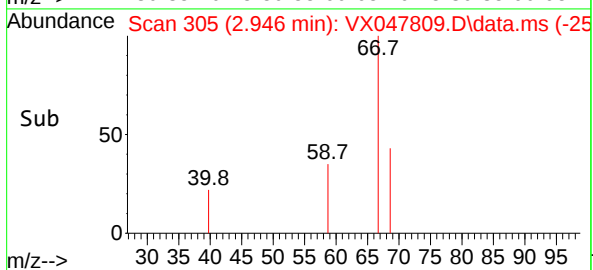
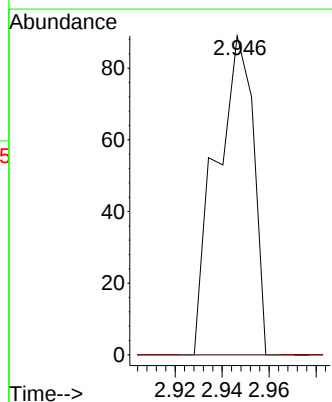
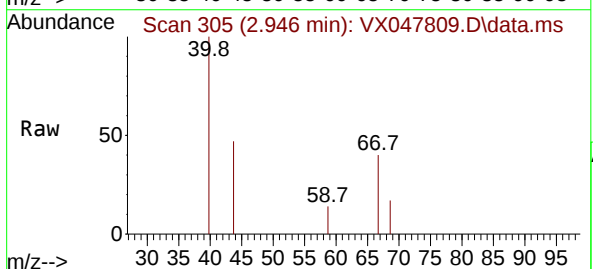
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

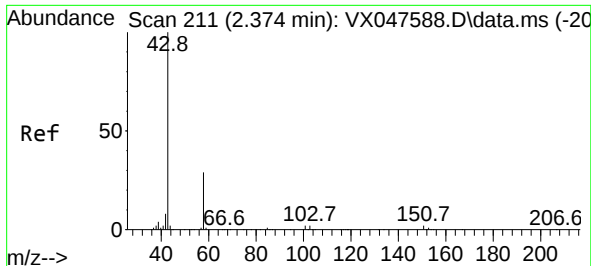
Tgt Ion:168 Resp: 122798  
Ion Ratio Lower Upper  
168 100  
99 58.1 48.8 73.2



#11  
Tert butyl alcohol  
Concen: 0.450 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. 0.006 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Tgt Ion: 59 Resp: 98  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

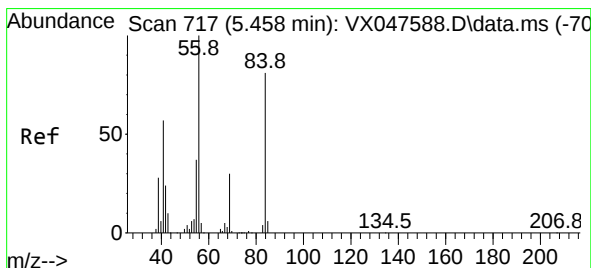
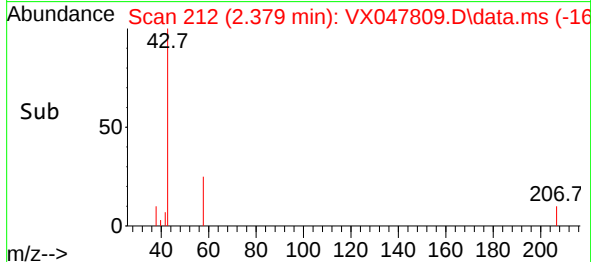
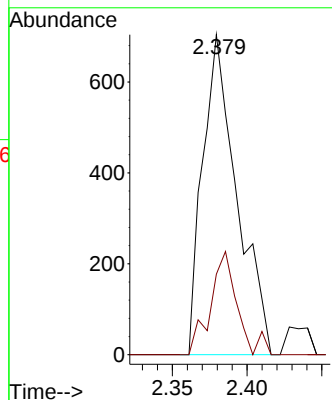
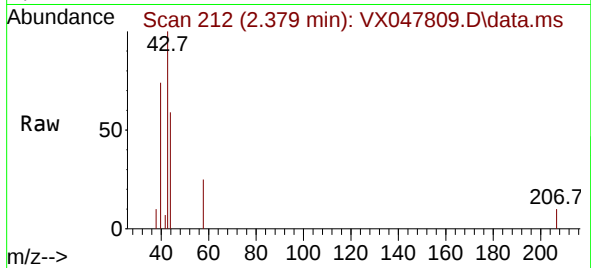




#16  
Acetone  
Concen: 1.319 ug/l  
RT: 2.379 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

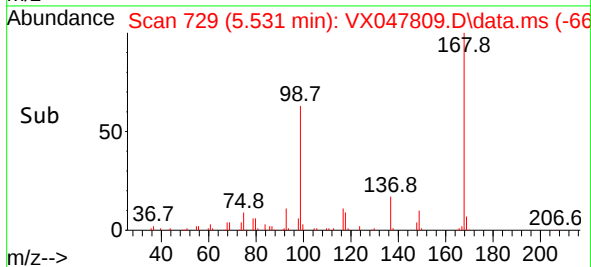
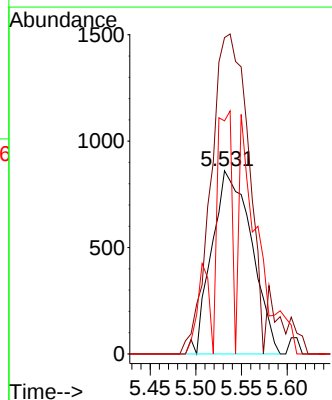
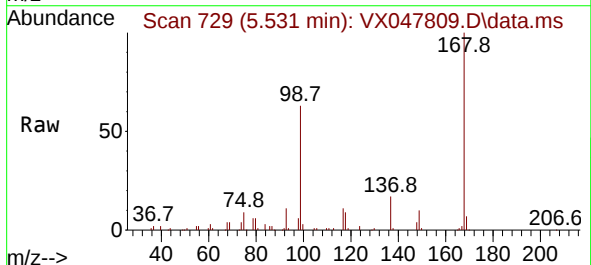
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

Tgt Ion: 43 Resp: 1121  
Ion Ratio Lower Upper  
43 100  
58 25.1 23.4 35.0



#31  
Cyclohexane  
Concen: 1.008 ug/l  
RT: 5.531 min Scan# 729  
Delta R.T. 0.073 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Tgt Ion: 56 Resp: 2604  
Ion Ratio Lower Upper  
56 100  
69 172.7 23.8 35.8#  
84 127.3 64.6 97.0#

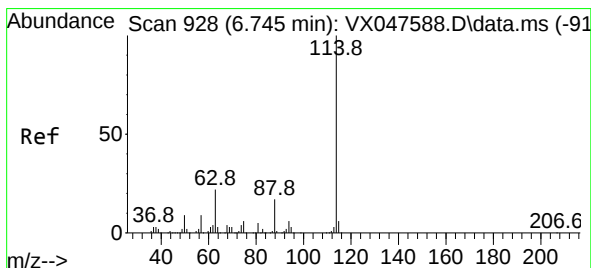
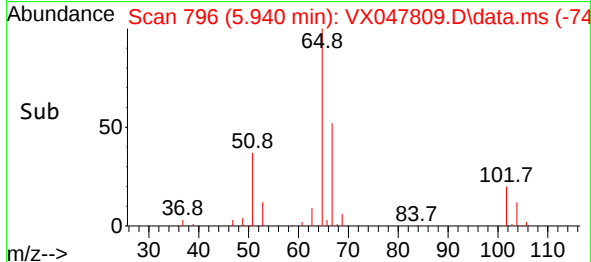
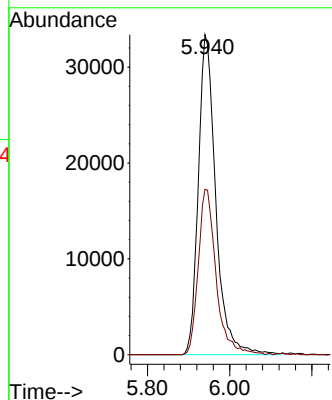
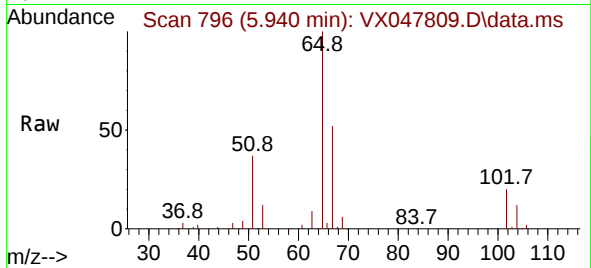




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.300 ug/l  
 RT: 5.940 min Scan# 796  
 Delta R.T. -0.000 min  
 Lab File: VX047809.D  
 Acq: 25 Sep 2025 14:14

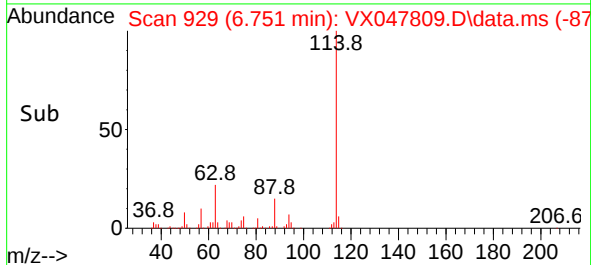
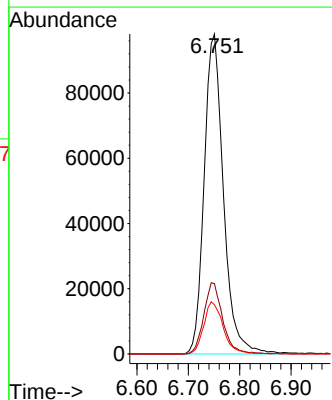
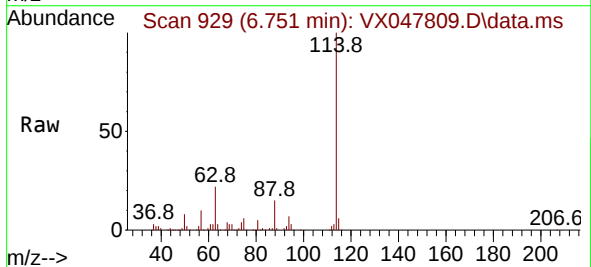
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT119S1-20250916

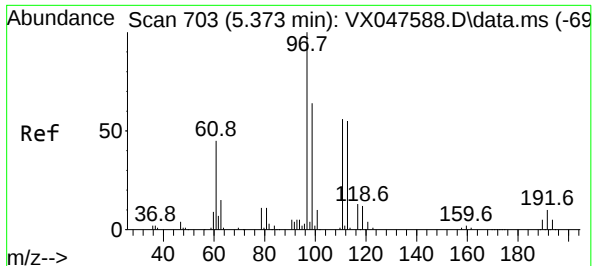
Tgt Ion: 65 Resp: 98318  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.751 min Scan# 929  
 Delta R.T. 0.006 min  
 Lab File: VX047809.D  
 Acq: 25 Sep 2025 14:14

Tgt Ion: 114 Resp: 255684  
 Ion Ratio Lower Upper  
 114 100  
 63 22.0 0.0 44.0  
 88 15.4 0.0 34.2

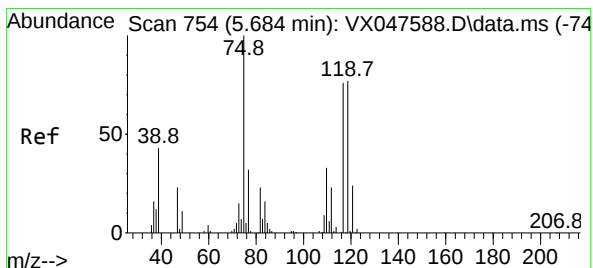
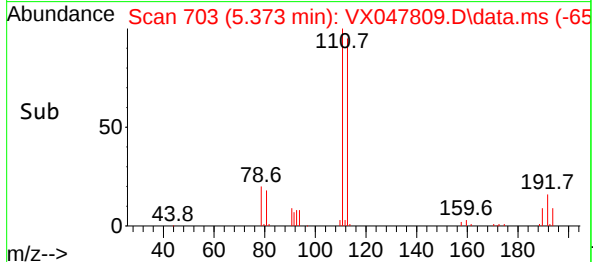
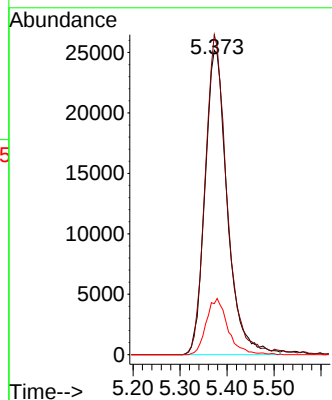
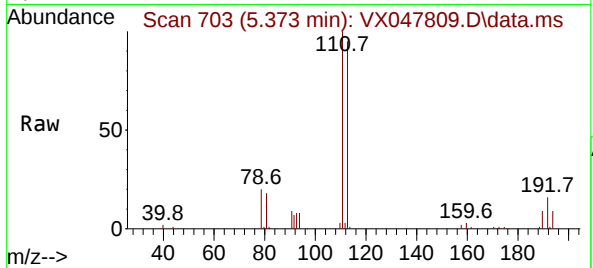




#35  
Dibromofluoromethane  
Concen: 48.528 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

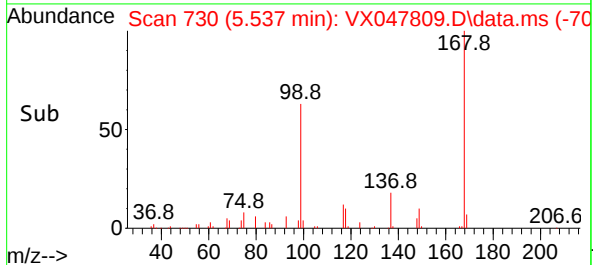
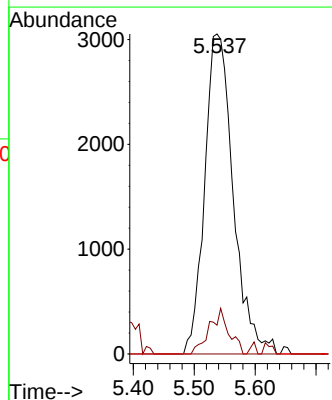
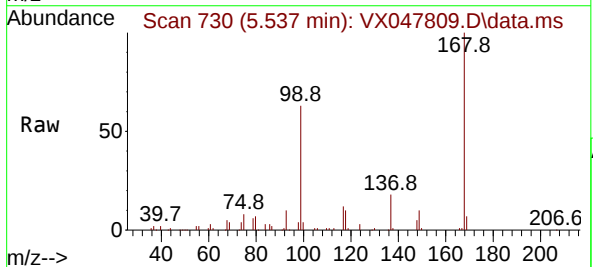
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

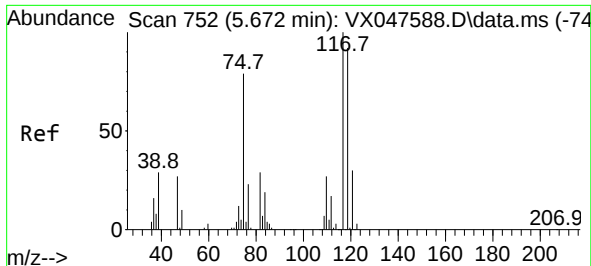
Tgt Ion:113 Resp: 83213  
Ion Ratio Lower Upper  
113 100  
111 101.9 80.9 121.3  
192 17.9 14.2 21.4



#36  
1,1-Dichloropropene  
Concen: 3.966 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. -0.147 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Tgt Ion: 75 Resp: 9937  
Ion Ratio Lower Upper  
75 100  
110 9.7 16.7 50.1#  
77 0.0 24.3 36.5#

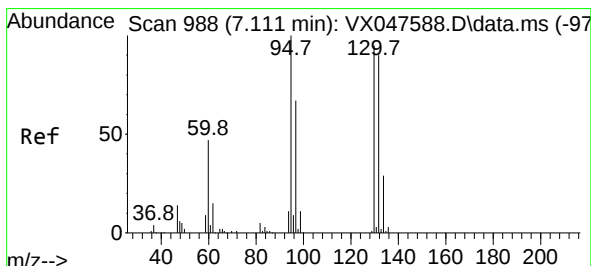
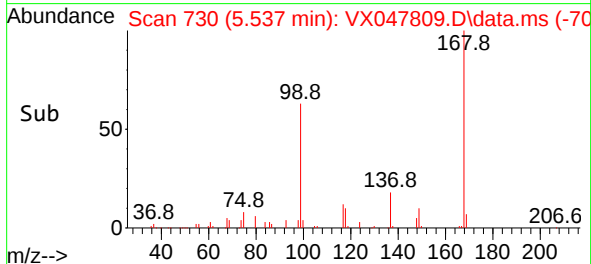
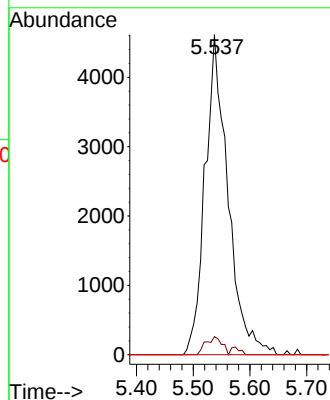
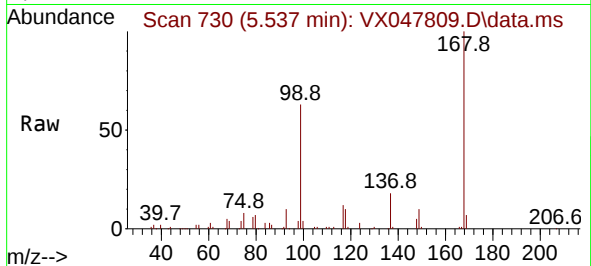




#38  
Carbon Tetrachloride  
Concen: 4.753 ug/l  
RT: 5.537 min Scan# 711  
Delta R.T. -0.134 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

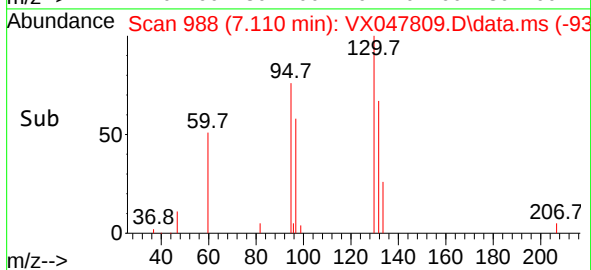
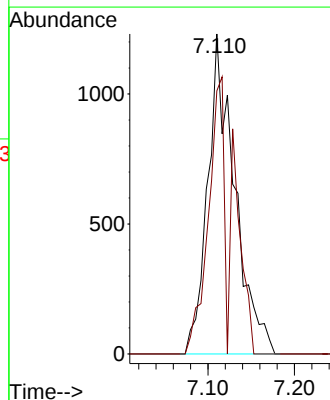
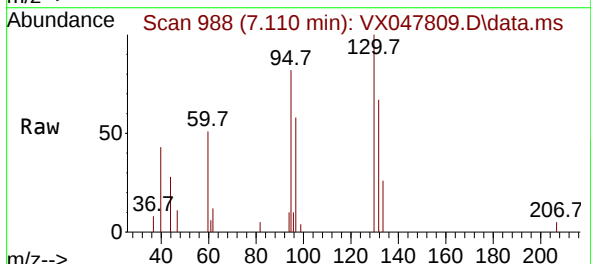
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

Tgt Ion:117 Resp: 12940  
Ion Ratio Lower Upper  
117 100  
119 5.7 73.4 110.2#  
121 0.0 23.8 35.6#



#44  
Trichloroethene  
Concen: 1.441 ug/l  
RT: 7.110 min Scan# 988  
Delta R.T. -0.000 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Tgt Ion:130 Resp: 2651  
Ion Ratio Lower Upper  
130 100  
95 82.2 0.0 210.8

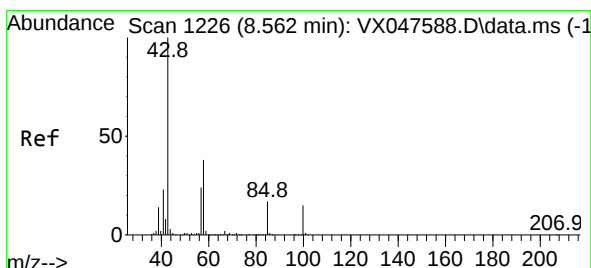
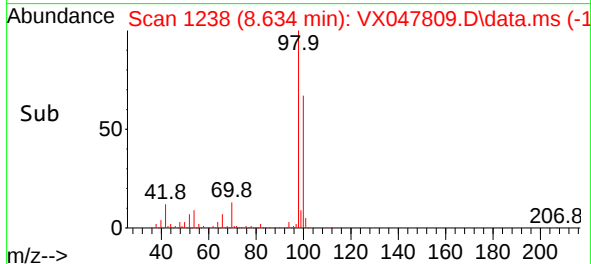
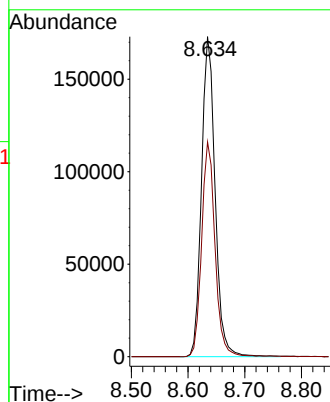
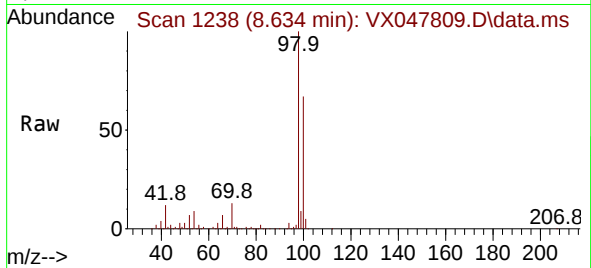




#50  
Toluene-d8  
Concen: 48.442 ug/l  
RT: 8.634 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

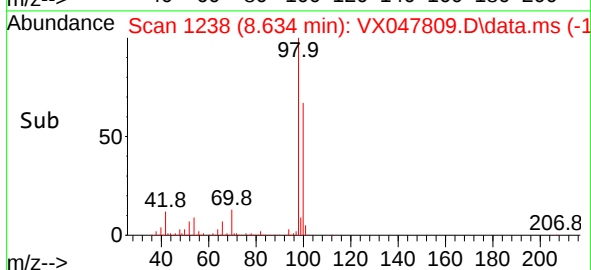
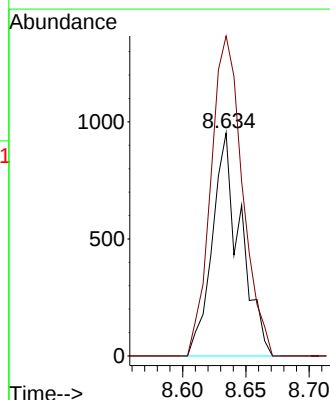
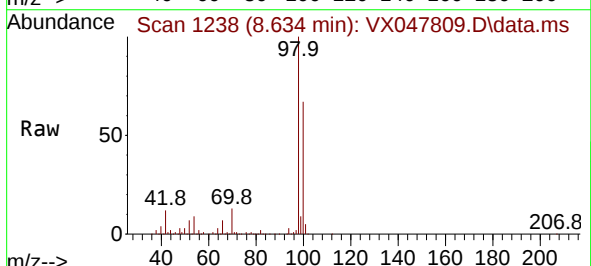
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MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

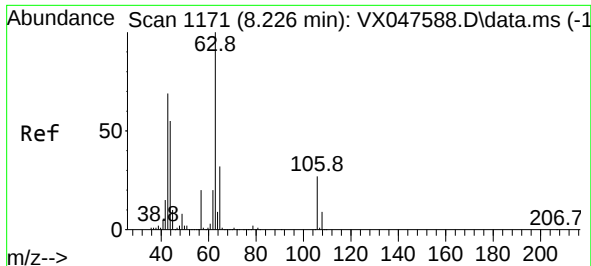
Tgt Ion: 98 Resp: 287424  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.0 79.4



#51  
4-Methyl-2-Pentanone  
Concen: 0.607 ug/l  
RT: 8.634 min Scan# 1238  
Delta R.T. 0.073 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Tgt Ion: 43 Resp: 1481  
Ion Ratio Lower Upper  
43 100  
58 161.0 30.3 45.5#

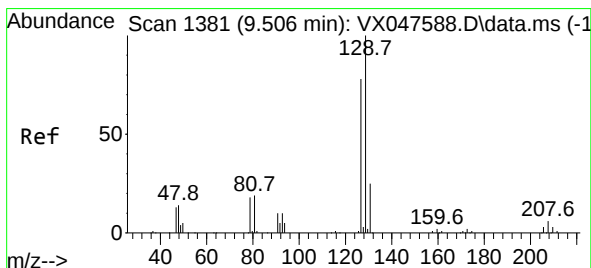
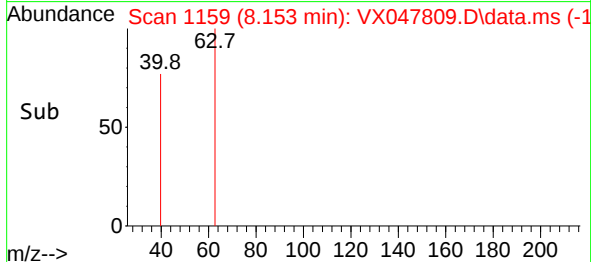
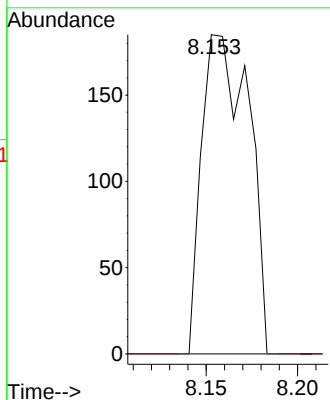
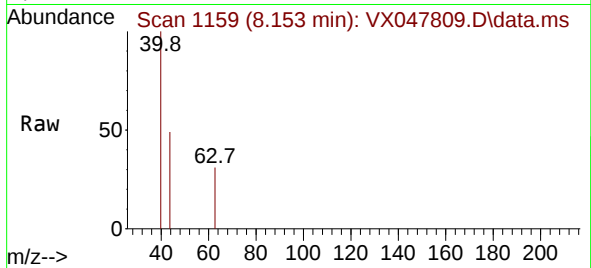




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 8.138 ug/l  
 RT: 8.153 min Scan# 1159  
 Delta R.T. -0.073 min  
 Lab File: VX047809.D  
 Acq: 25 Sep 2025 14:14

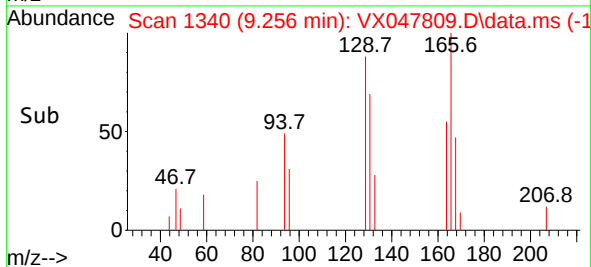
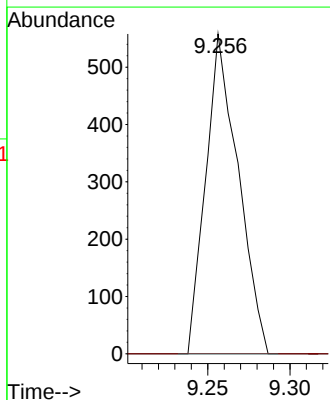
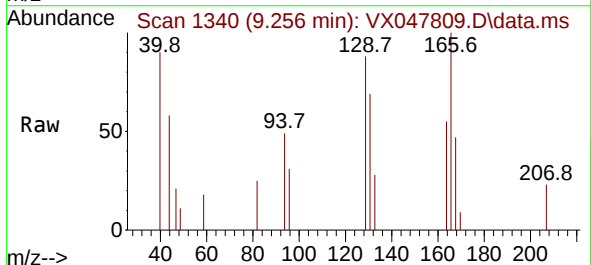
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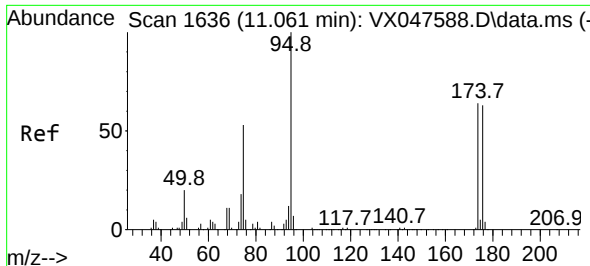
Tgt Ion: 63 Resp: 331  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 21.9 32.9#



#60  
 Dibromochloromethane  
 Concen: 0.368 ug/l  
 RT: 9.256 min Scan# 1340  
 Delta R.T. -0.250 min  
 Lab File: VX047809.D  
 Acq: 25 Sep 2025 14:14

Tgt Ion: 129 Resp: 766  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 38.4 115.2#

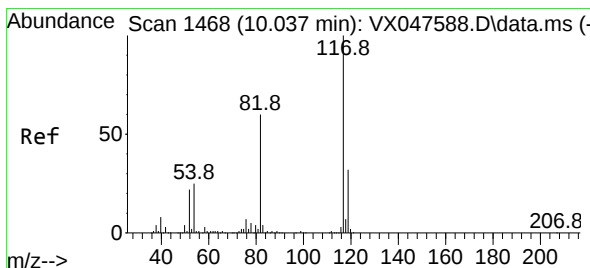
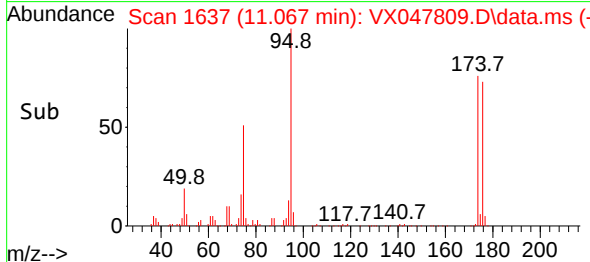
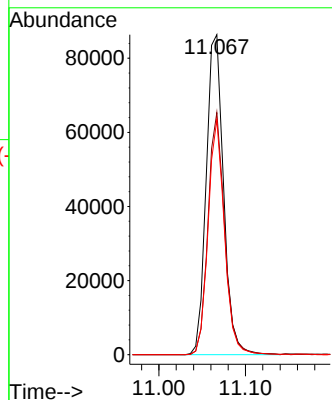
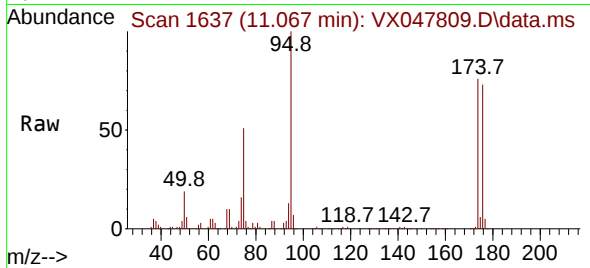




#62  
4-Bromofluorobenzene  
Concen: 53.275 ug/l  
RT: 11.067 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

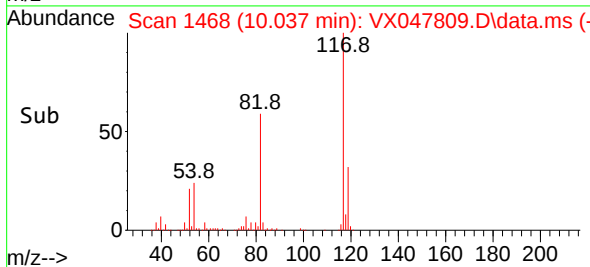
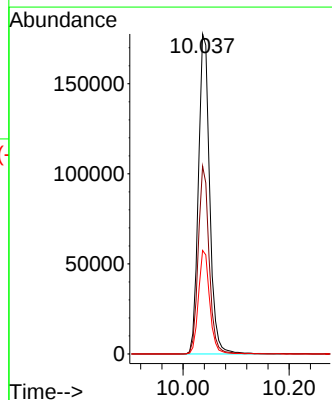
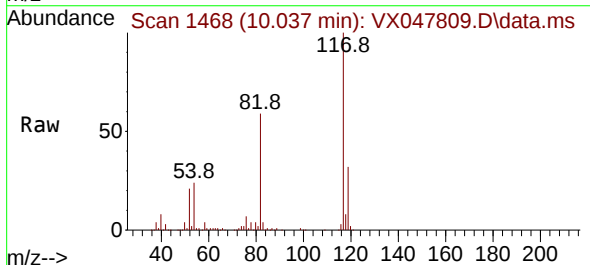
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

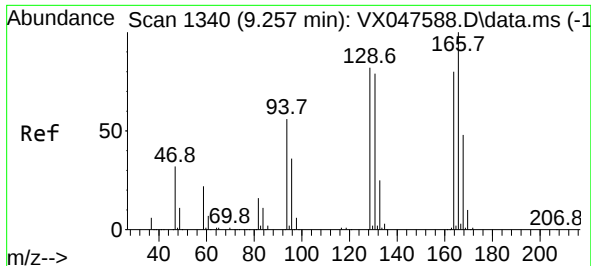
Tgt Ion: 95 Resp: 119966  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 141.6  
176 69.5 0.0 138.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Tgt Ion: 117 Resp: 260354  
Ion Ratio Lower Upper  
117 100  
82 58.7 47.8 71.6  
119 32.4 25.2 37.8



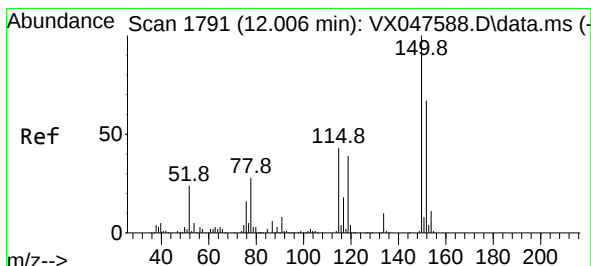
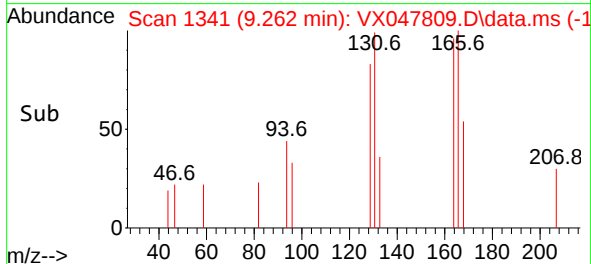
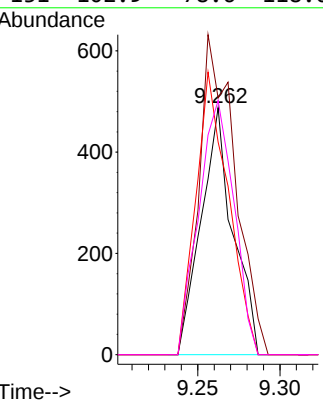
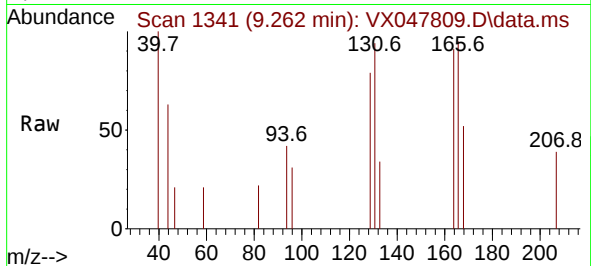


#64  
Tetrachloroethene  
Concen: 0.388 ug/l  
RT: 9.262 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

Tgt Ion:164 Resp: 658

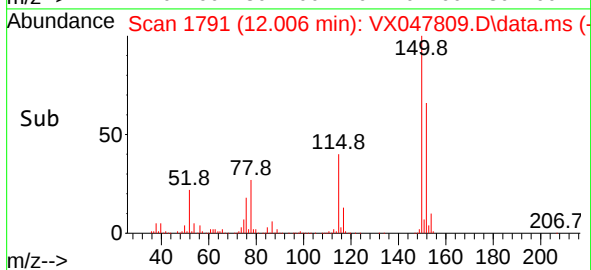
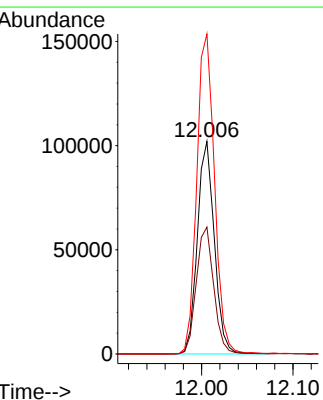
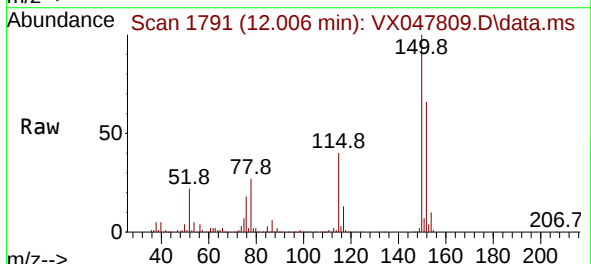
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 103.9 | 100.2 | 150.2 |
| 129 | 86.1  | 81.8  | 122.6 |
| 131 | 102.9 | 78.6  | 118.0 |

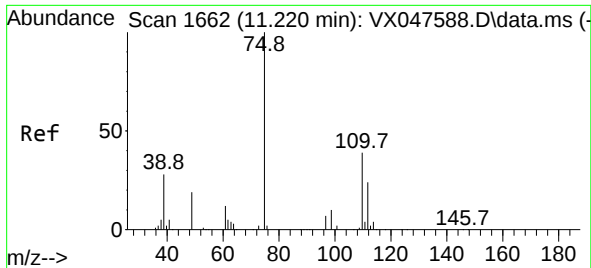


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Tgt Ion:152 Resp: 131454

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.4  | 44.9  | 134.5 |
| 150 | 157.0 | 0.0   | 352.0 |

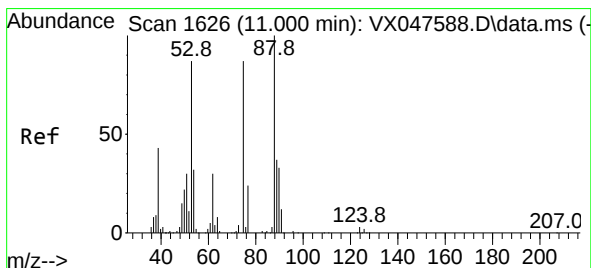
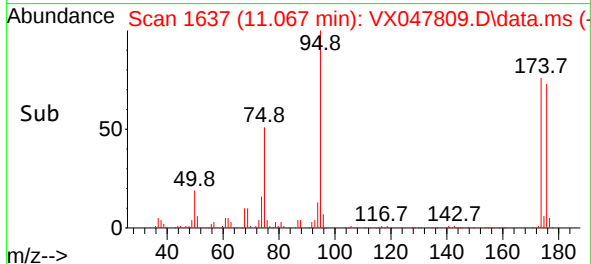
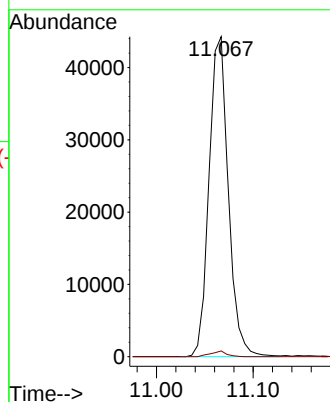
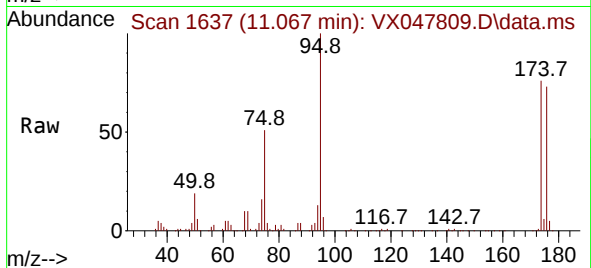




#76  
1,2,3-Trichloropropane  
Concen: 23.092 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. -0.153 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT119S1-20250916

Tgt Ion: 75 Resp: 61459  
Ion Ratio Lower Upper  
75 100  
77 1.4 18.8 56.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.887 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. 0.067 min  
Lab File: VX047809.D  
Acq: 25 Sep 2025 14:14

Tgt Ion: 75 Resp: 61459  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.4 125.2#  
89 0.0 36.3 54.5#

