

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091825\  
 Data File : VX047633.D  
 Acq On : 18 Sep 2025 12:19  
 Operator : JC/MD  
 Sample : VX0918WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0918WBL01

Quant Time: Sep 22 03:32:18 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

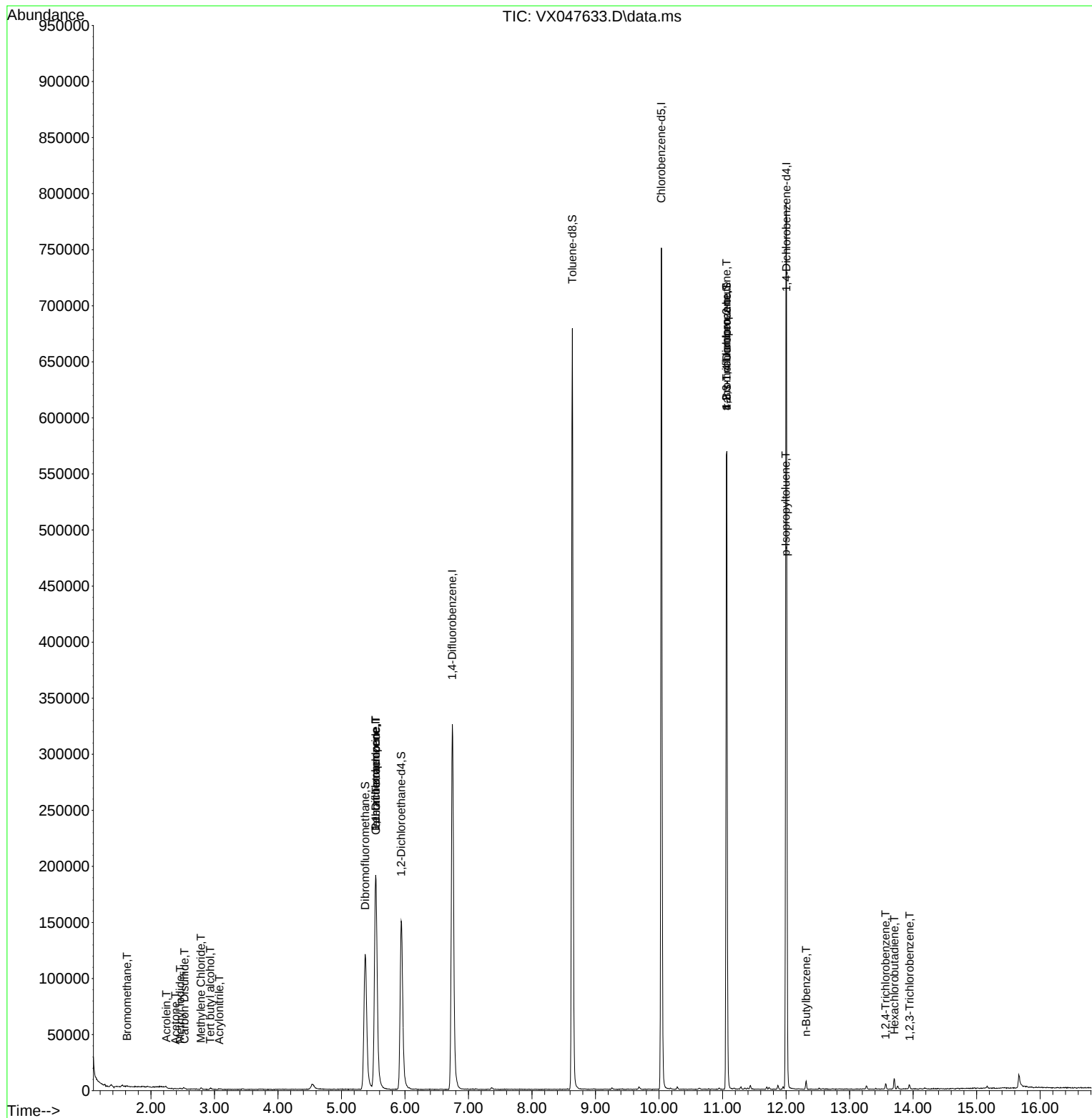
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.538  | 168   | 194980   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.745  | 114   | 356255   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 333457   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 168174   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940  | 65    | 164008   | 52.845   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 105.680% |
| 35) Dibromofluoromethane      | 5.373  | 113   | 117304   | 49.097   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 98.200%  |
| 50) Toluene-d8                | 8.635  | 98    | 411503   | 49.775   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 99.560%  |
| 62) 4-Bromofluorobenzene      | 11.061 | 95    | 166630   | 53.108   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 106.220% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.624  | 94    | 334      | 0.203    | ug/l   | 86       |
| 10) Methyl Iodide             | 2.459  | 142   | 1040     | 0.296    | ug/l # | 88       |
| 11) Tert butyl alcohol        | 2.934  | 59    | 150      | 0.434    | ug/l # | 72       |
| 13) Acrolein                  | 2.239  | 56    | 96       | 0.301    | ug/l # | 43       |
| 15) Acrylonitrile             | 3.075  | 53    | 286      | 0.223    | ug/l # | 46       |
| 16) Acetone                   | 2.386  | 43    | 811      | 0.601    | ug/l   | 98       |
| 17) Carbon Disulfide          | 2.526  | 76    | 1564     | 0.247    | ug/l # | 93       |
| 20) Methylene Chloride        | 2.788  | 84    | 632      | 0.221    | ug/l # | 62       |
| 36) 1,1-Dichloropropene       | 5.538  | 75    | 16384    | 4.693    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 20922    | 5.516    | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 85347    | 25.065   | ug/l # | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 85347    | 63.920   | ug/l # | 8        |
| 86) p-Isopropyltoluene        | 11.994 | 119   | 2196     | 0.203    | ug/l # | 77       |
| 89) n-Butylbenzene            | 12.317 | 91    | 2774     | 0.277    | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180   | 1383     | 0.382    | ug/l   | 92       |
| 94) Hexachlorobutadiene       | 13.707 | 225   | 1372     | 1.115    | ug/l   | 95       |
| 96) 1,2,3-Trichlorobenzene    | 13.945 | 180   | 988      | 0.293    | ug/l   | 87       |
| -----                         |        |       |          |          |        |          |

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

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Sample : VX0918WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
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QLast Update : Wed Sep 17 06:39:58 2025  
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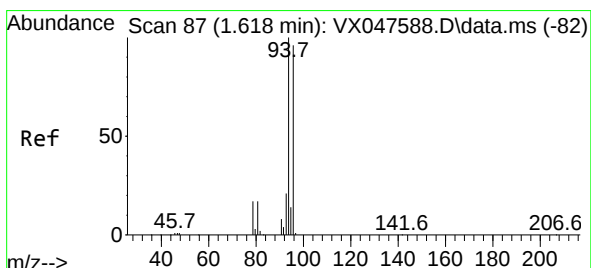
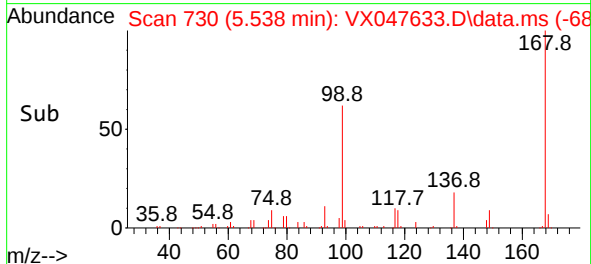
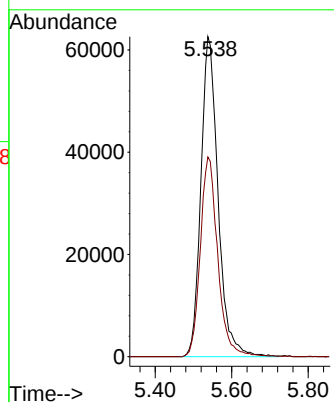
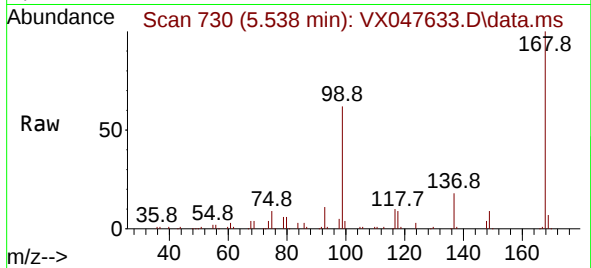




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

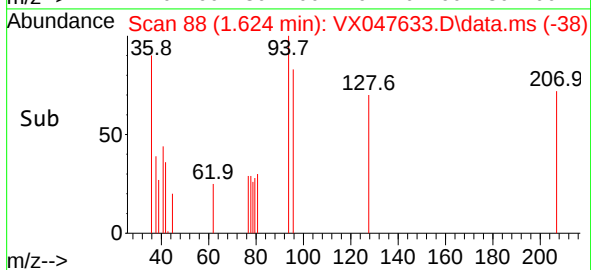
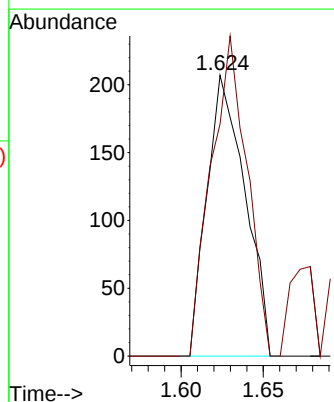
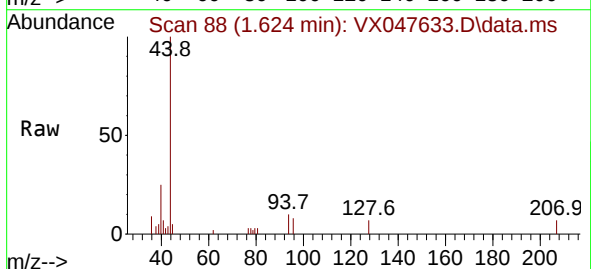
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

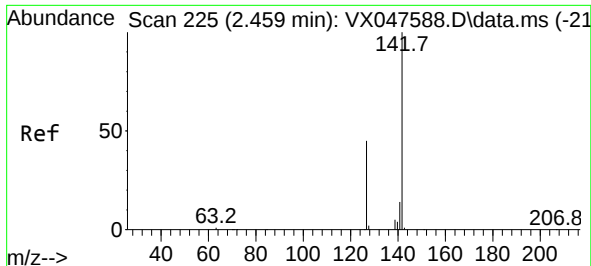
Tgt Ion:168 Resp: 194980  
Ion Ratio Lower Upper  
168 100  
99 62.4 48.8 73.2



#5  
Bromomethane  
Concen: 0.203 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.006 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

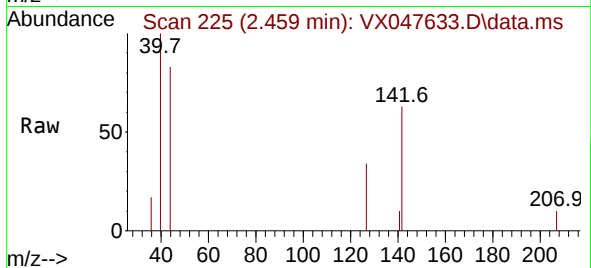
Tgt Ion: 94 Resp: 334  
Ion Ratio Lower Upper  
94 100  
96 82.6 76.6 115.0



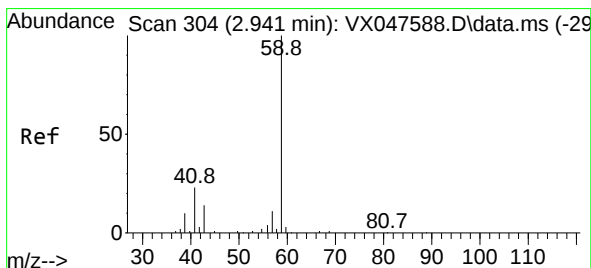
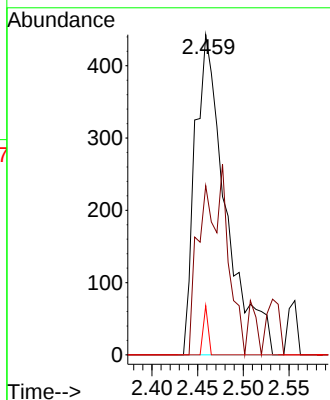
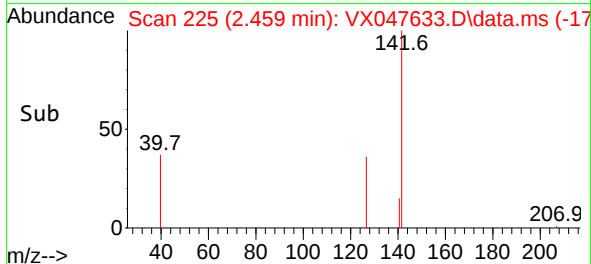


#10  
Methyl Iodide  
Concen: 0.296 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

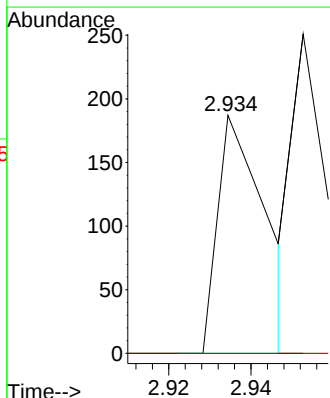
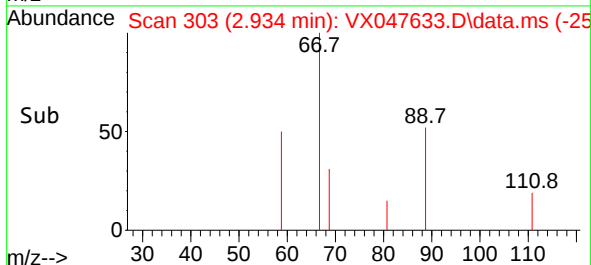
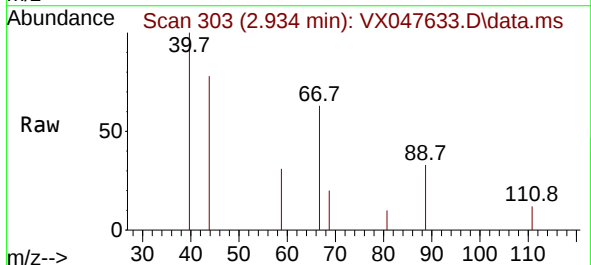


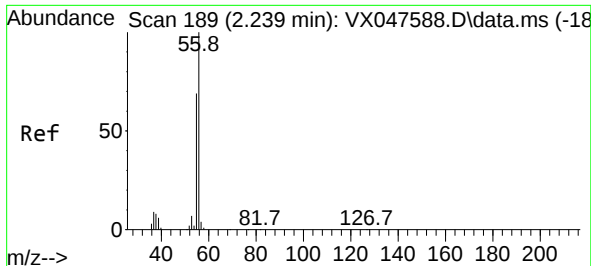
Tgt Ion:142 Resp: 1040  
Ion Ratio Lower Upper  
142 100  
127 50.7 37.2 55.8  
141 2.4 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 0.434 ug/l  
RT: 2.934 min Scan# 303  
Delta R.T. -0.006 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Tgt Ion: 59 Resp: 150  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

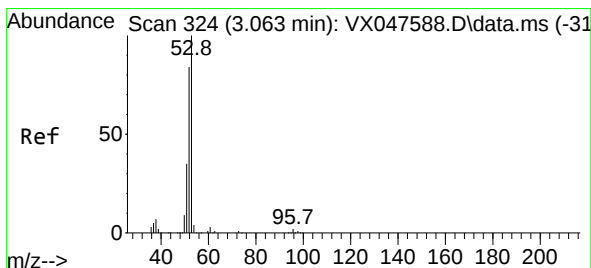
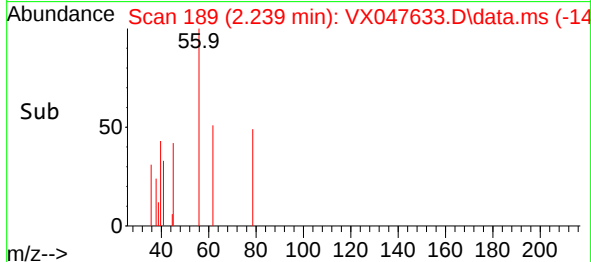
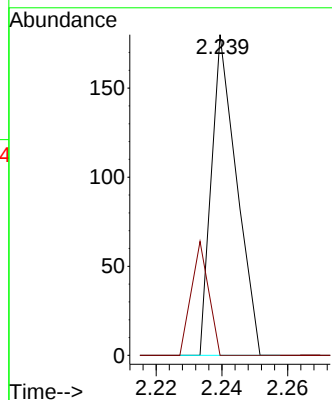
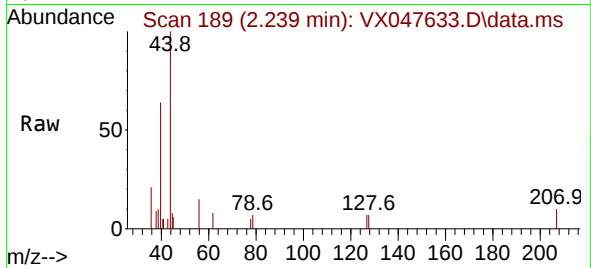




#13  
Acrolein  
Concen: 0.301 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

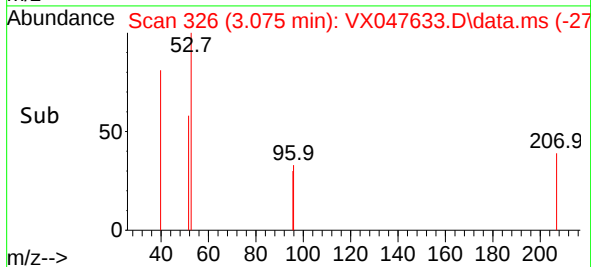
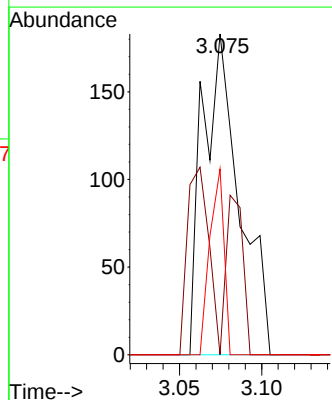
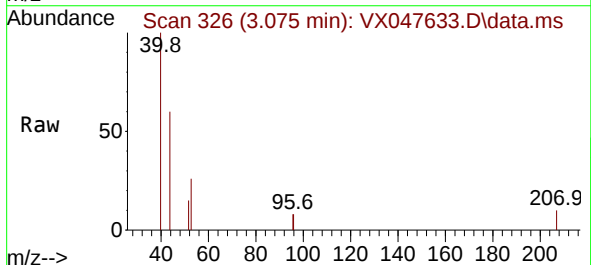
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

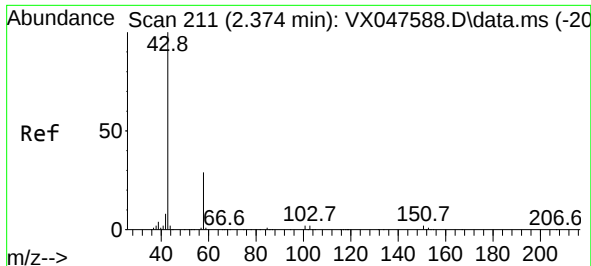
Tgt Ion: 56 Resp: 96  
Ion Ratio Lower Upper  
56 100  
55 24.0 57.2 85.8#



#15  
Acrylonitrile  
Concen: 0.223 ug/l  
RT: 3.075 min Scan# 326  
Delta R.T. 0.012 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Tgt Ion: 53 Resp: 286  
Ion Ratio Lower Upper  
53 100  
52 22.4 66.4 99.6#  
51 22.4 29.5 44.3#

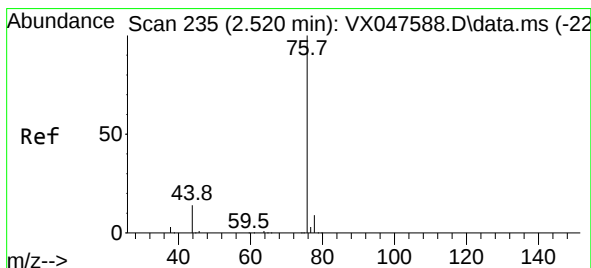
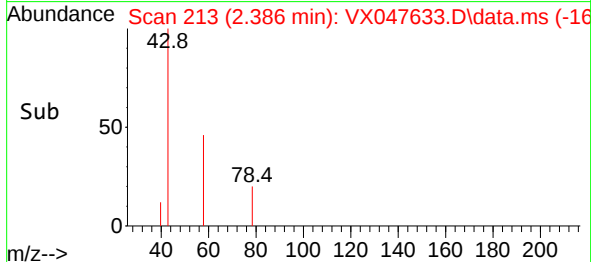
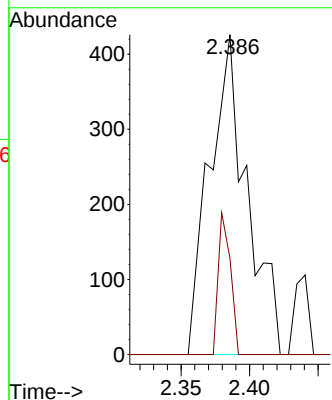
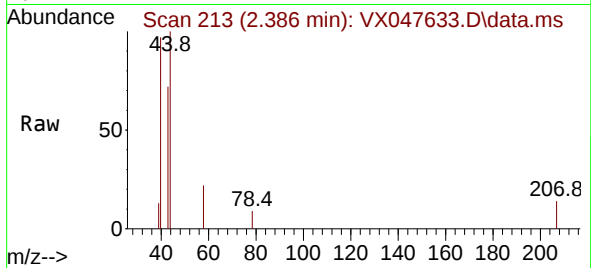




#16  
Acetone  
Concen: 0.601 ug/l  
RT: 2.386 min Scan# 211  
Delta R.T. 0.012 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

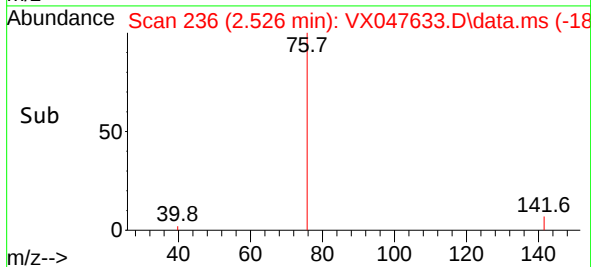
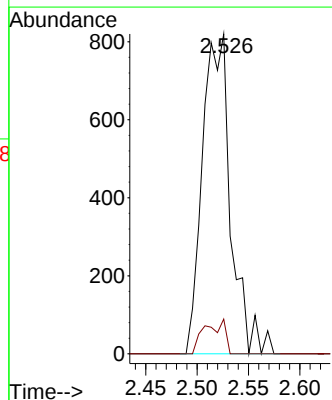
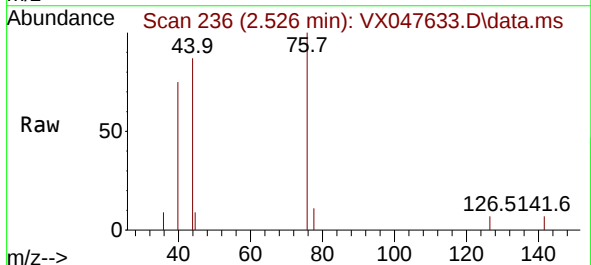
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

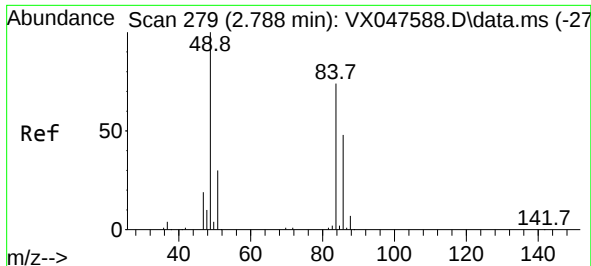
Tgt Ion: 43 Resp: 811  
Ion Ratio Lower Upper  
43 100  
58 30.0 23.4 35.0



#17  
Carbon Disulfide  
Concen: 0.247 ug/l  
RT: 2.526 min Scan# 236  
Delta R.T. 0.006 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Tgt Ion: 76 Resp: 1564  
Ion Ratio Lower Upper  
76 100  
78 10.9 6.8 10.2#

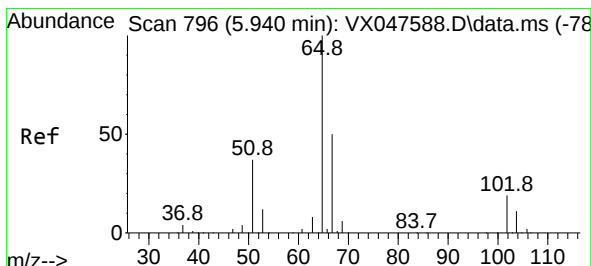
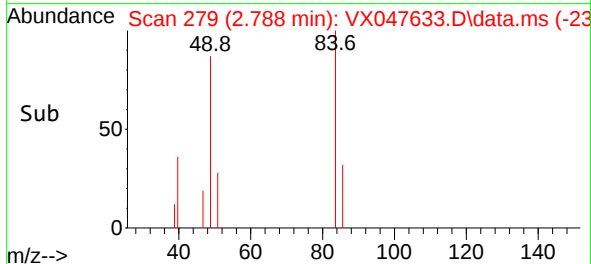
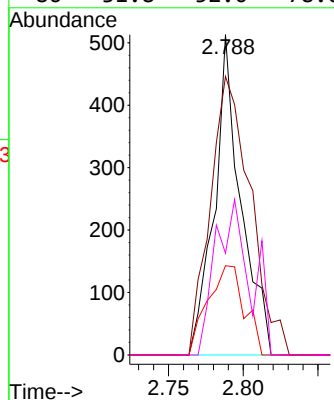
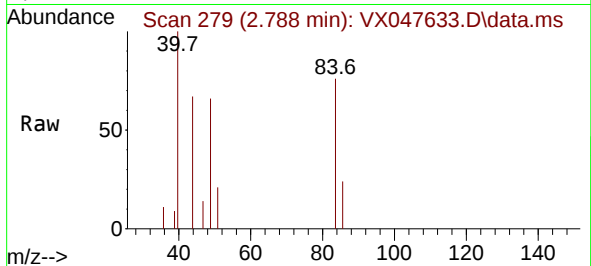




#20  
Methylene Chloride  
Concen: 0.221 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

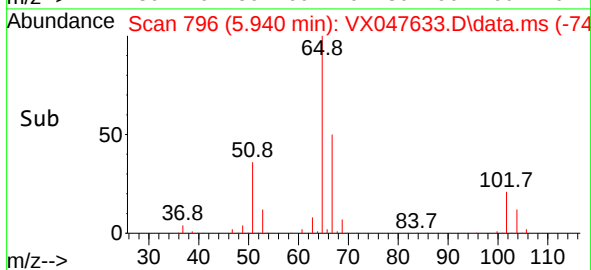
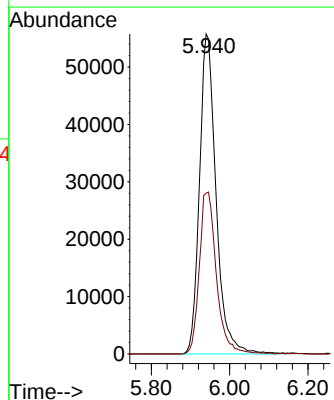
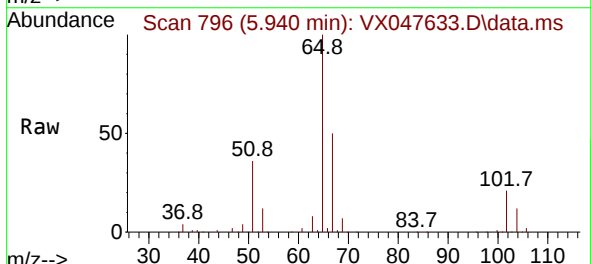
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MSVOA\_X  
ClientSampleId :  
VX0918WBL01

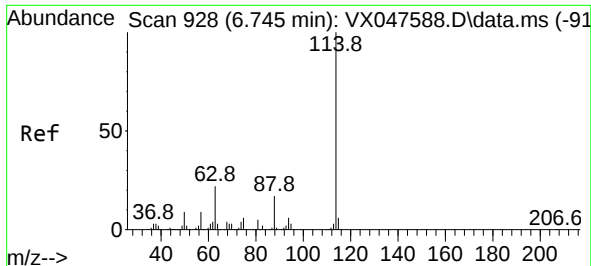
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|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 632    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 86.9  | 108.6 | 162.8# |
| 51       | 27.9  | 32.6  | 48.8#  |
| 86       | 31.8  | 52.0  | 78.0#  |



#33  
1,2-Dichloroethane-d4  
Concen: 52.845 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 164008 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.2  | 0.0   | 103.0  |

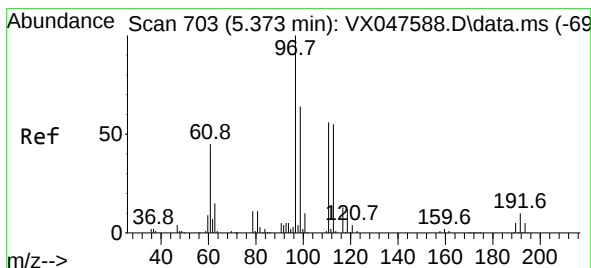
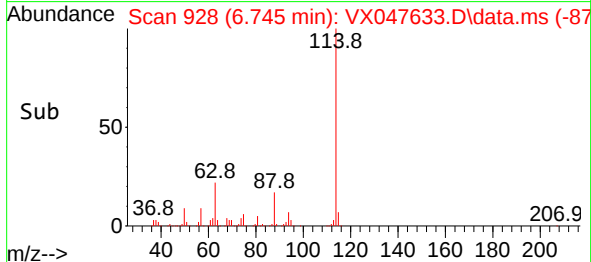
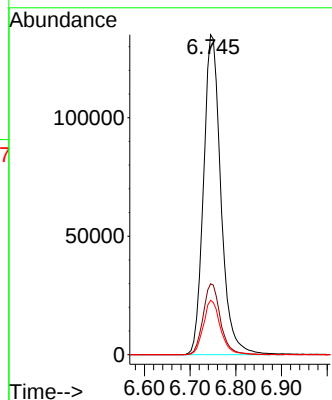
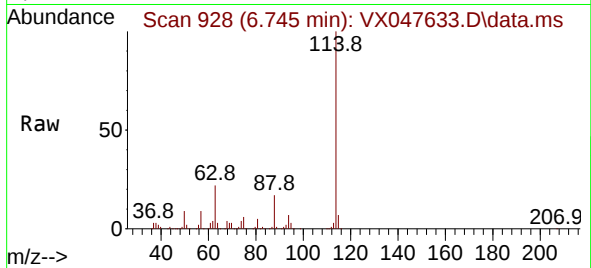




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.745 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

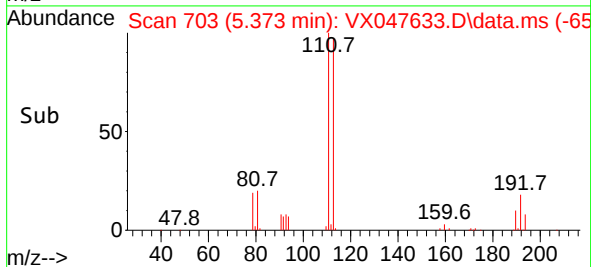
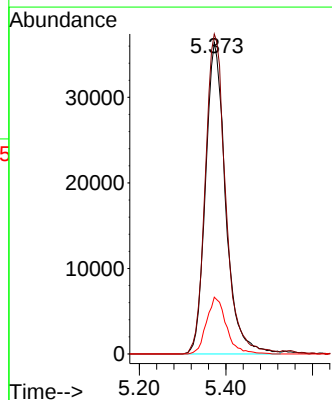
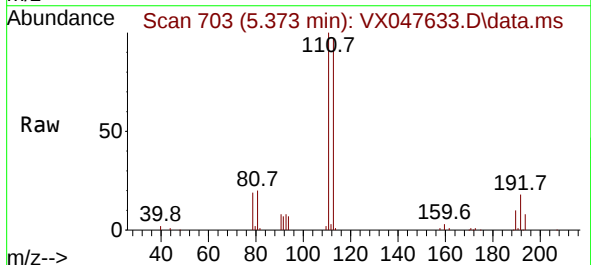
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

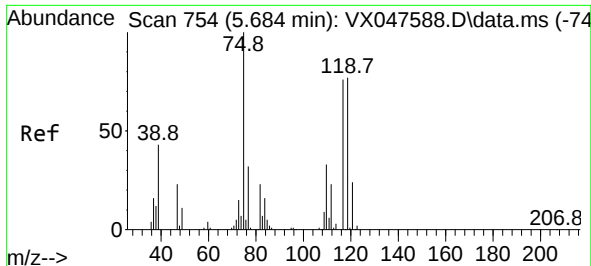
Tgt Ion:114 Resp: 356255  
Ion Ratio Lower Upper  
114 100  
63 22.2 0.0 44.0  
88 17.0 0.0 34.2



#35  
Dibromofluoromethane  
Concen: 49.097 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Tgt Ion:113 Resp: 117304  
Ion Ratio Lower Upper  
113 100  
111 104.1 80.9 121.3  
192 18.1 14.2 21.4

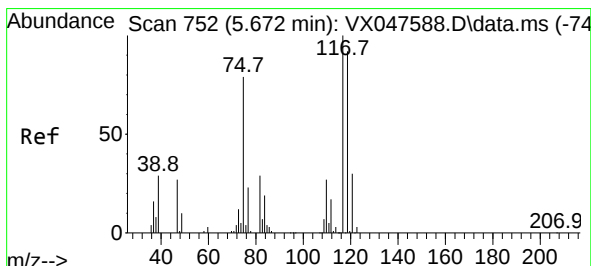
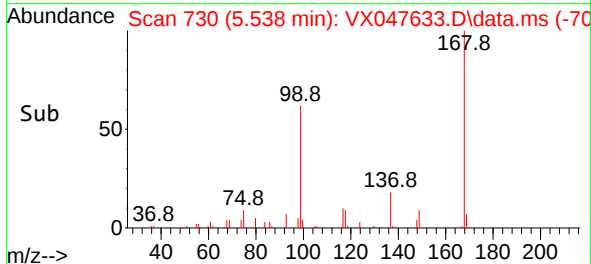
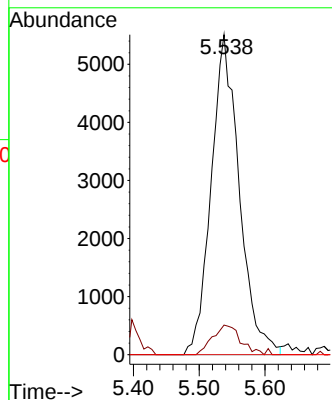
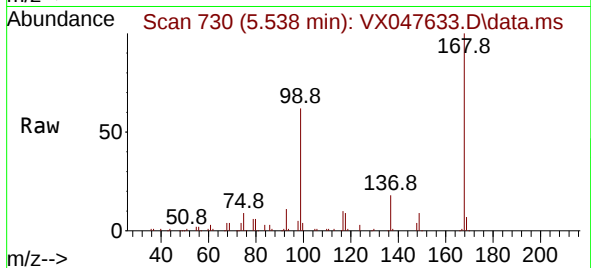




#36  
1,1-Dichloropropene  
Concen: 4.693 ug/l  
RT: 5.538 min Scan# 710  
Delta R.T. -0.146 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

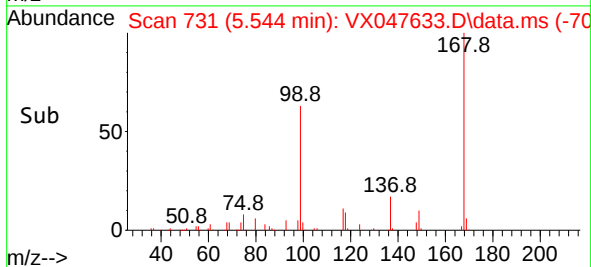
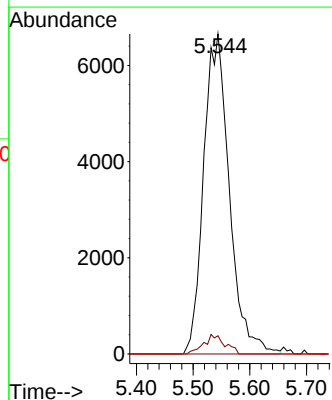
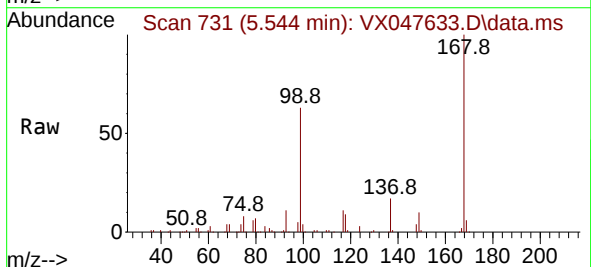
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

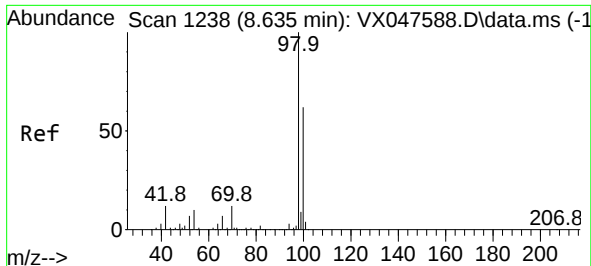
Tgt Ion: 75 Resp: 16384  
Ion Ratio Lower Upper  
75 100  
110 9.2 16.7 50.1#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 5.516 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.128 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Tgt Ion: 117 Resp: 20922  
Ion Ratio Lower Upper  
117 100  
119 5.7 73.4 110.2#  
121 0.0 23.8 35.6#

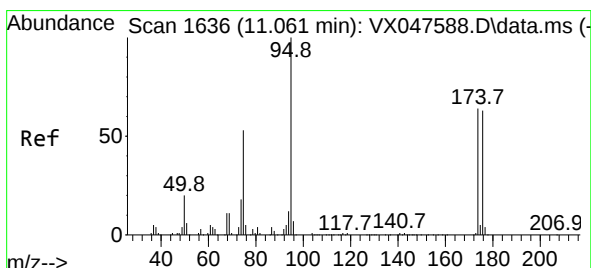
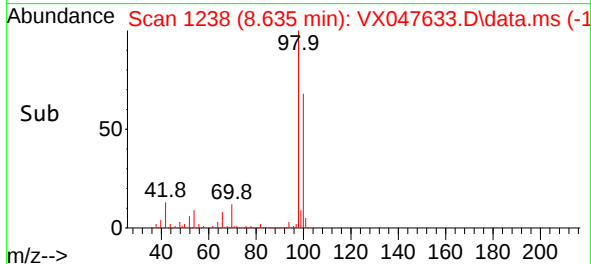
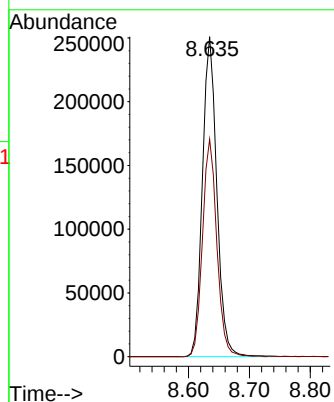
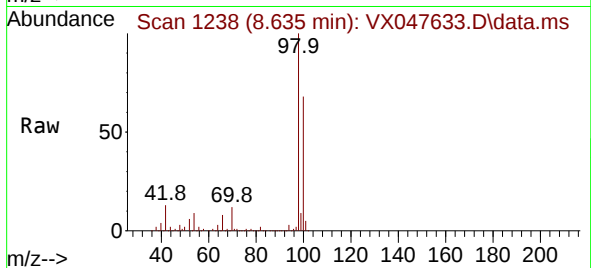




#50  
Toluene-d8  
Concen: 49.775 ug/l  
RT: 8.635 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

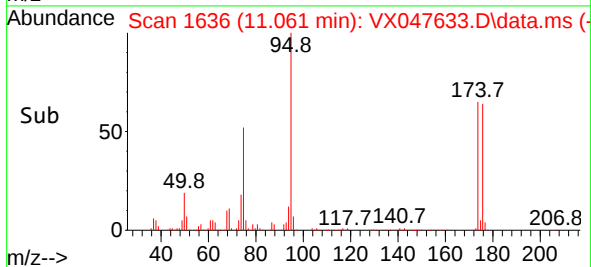
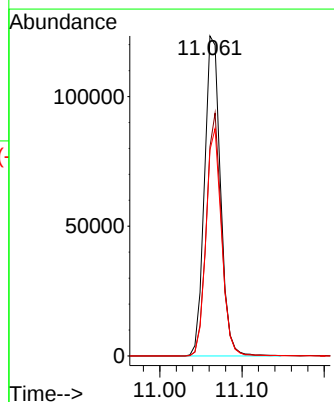
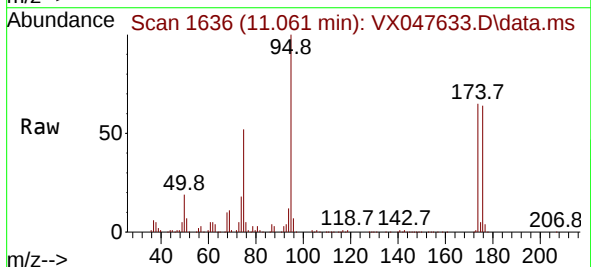
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

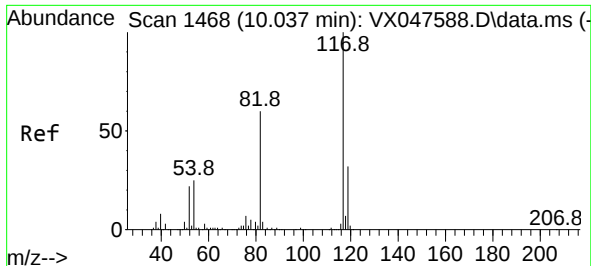
Tgt Ion: 98 Resp: 411503  
Ion Ratio Lower Upper  
98 100  
100 67.8 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 53.108 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Tgt Ion: 95 Resp: 166630  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 141.6  
176 69.0 0.0 138.4

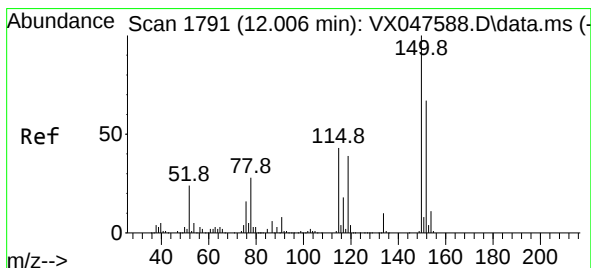
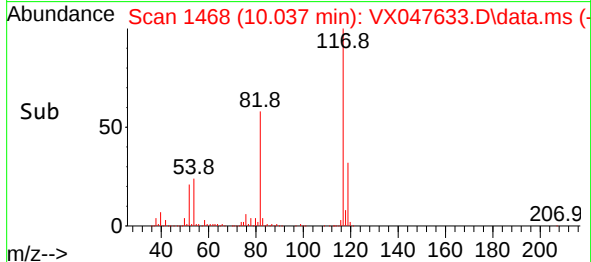
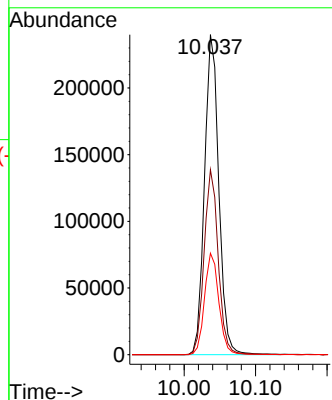
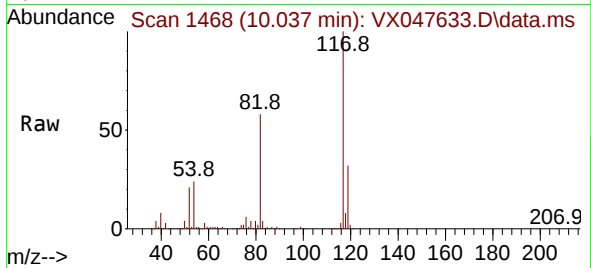




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

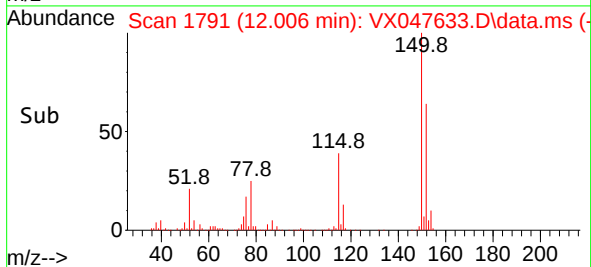
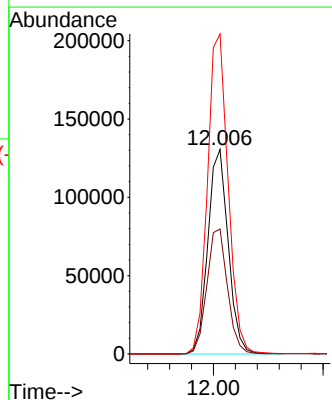
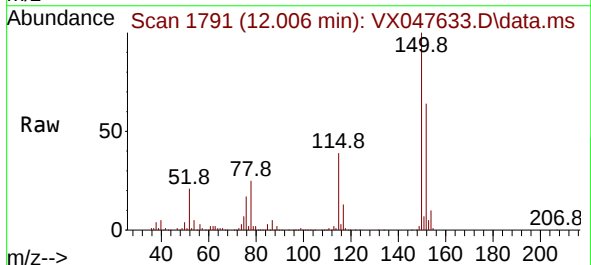
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

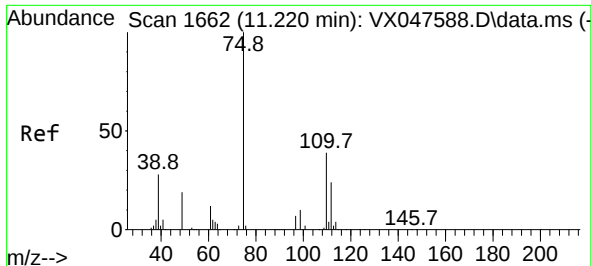
Tgt Ion:117 Resp: 333457  
Ion Ratio Lower Upper  
117 100  
82 57.8 47.8 71.6  
119 31.7 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Tgt Ion:152 Resp: 168174  
Ion Ratio Lower Upper  
152 100  
115 62.2 44.9 134.5  
150 159.0 0.0 352.0

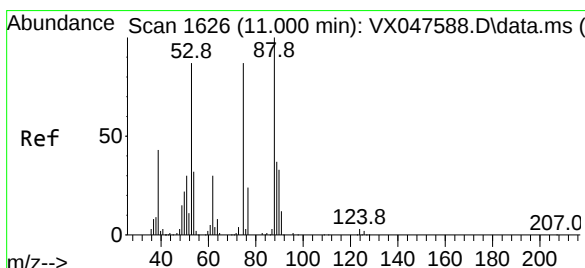
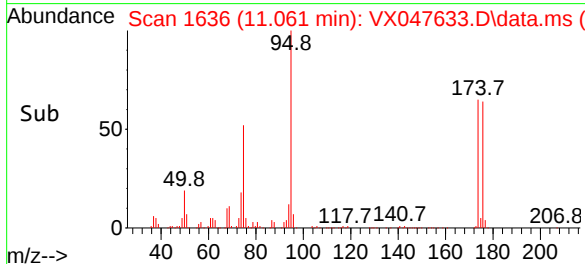
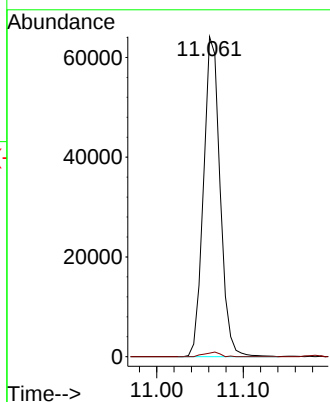
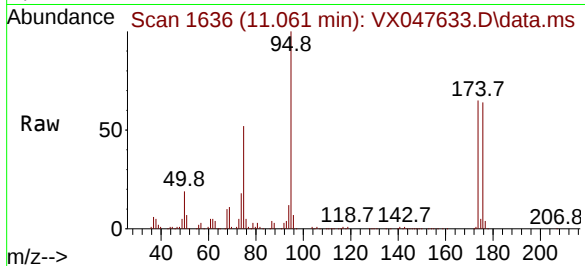




#76  
1,2,3-Trichloropropane  
Concen: 25.065 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.159 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

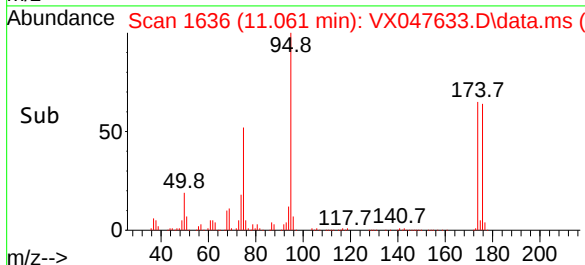
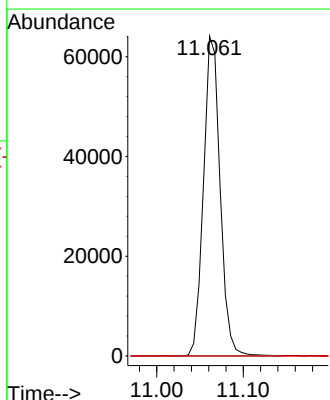
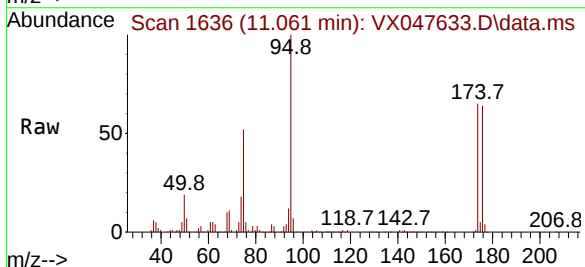
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

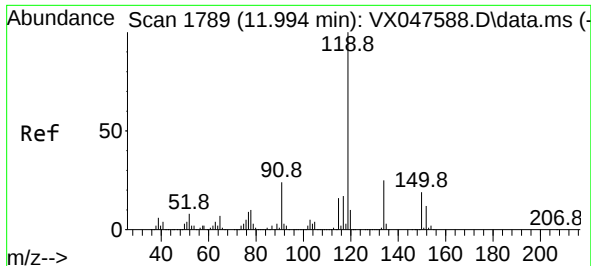
Tgt Ion: 75 Resp: 85347  
Ion Ratio Lower Upper  
75 100  
77 1.4 18.8 56.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.920 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.061 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

Tgt Ion: 75 Resp: 85347  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.4 125.2#  
89 0.0 36.3 54.5#

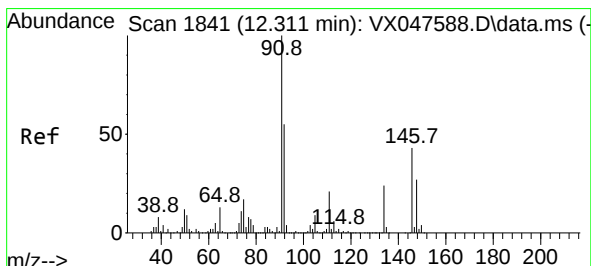
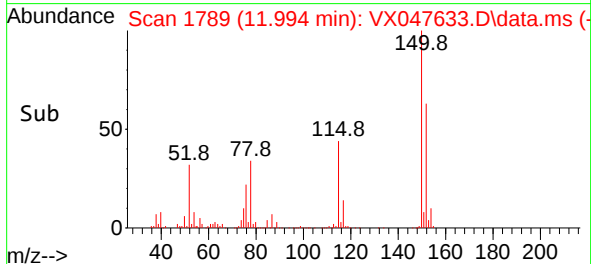
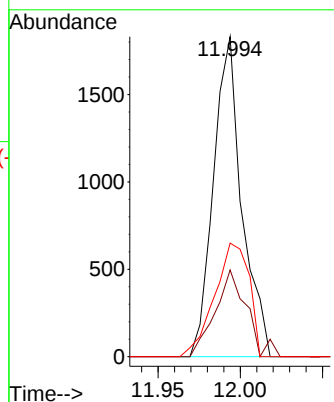
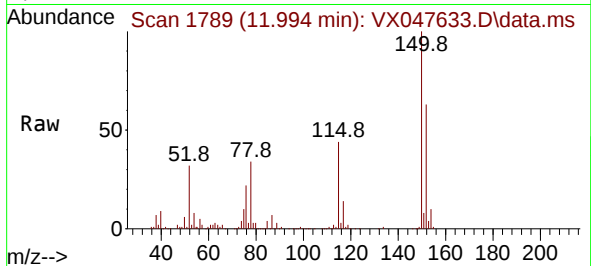




#86  
p-Isopropyltoluene  
Concen: 0.203 ug/l  
RT: 11.994 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

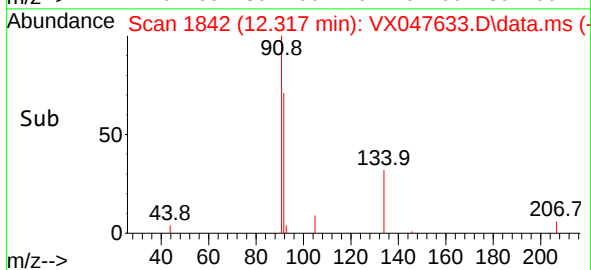
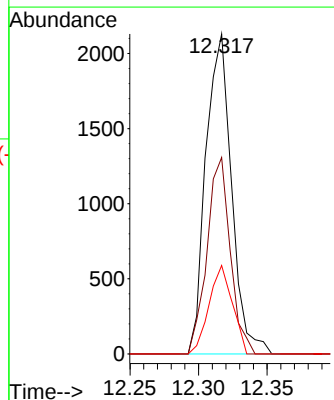
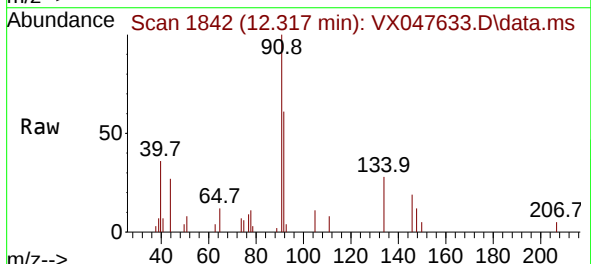
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0918WBL01

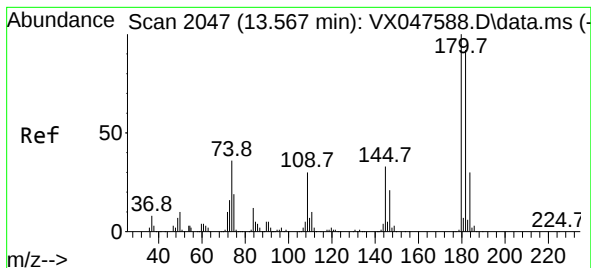
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 2196  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 30.1  | 12.6  | 37.8  |
| 91       | 43.3  | 12.6  | 37.6# |



#89  
n-Butylbenzene  
Concen: 0.277 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.006 min  
Lab File: VX047633.D  
Acq: 18 Sep 2025 12:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 2774  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 55.7  | 27.6  | 82.7  |
| 134      | 25.1  | 12.6  | 37.8  |





#93

1,2,4-Trichlorobenzene

Concen: 0.382 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047633.D

Acq: 18 Sep 2025 12:19

Instrument :

MSVOA\_X

ClientSampleId :

VX0918WBL01

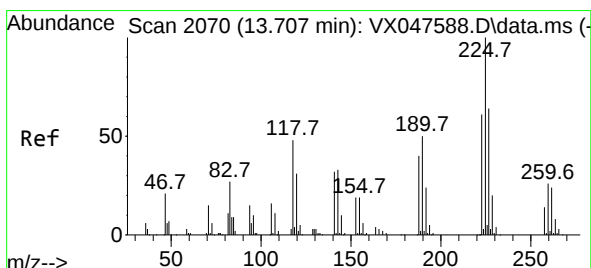
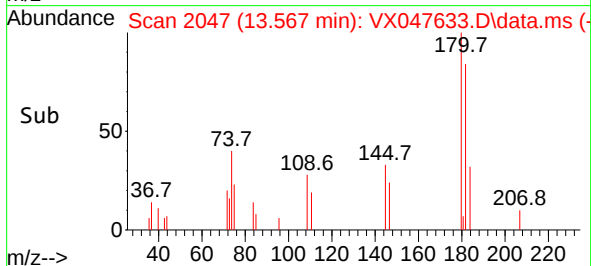
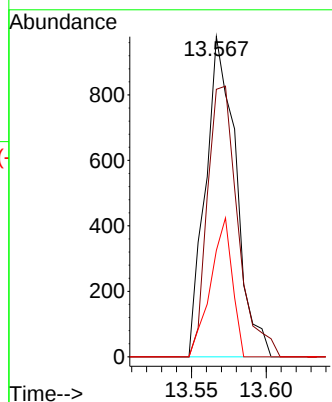
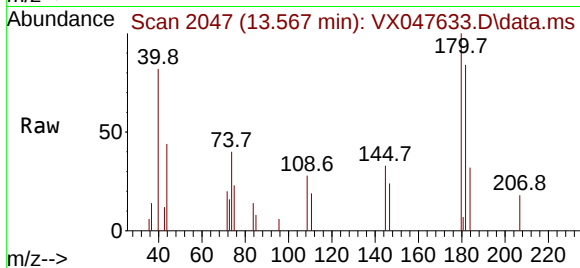
Tgt Ion:180 Resp: 1383

Ion Ratio Lower Upper

180 100

182 84.2 46.6 139.8

145 31.1 16.4 49.1



#94

Hexachlorobutadiene

Concen: 1.115 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047633.D

Acq: 18 Sep 2025 12:19

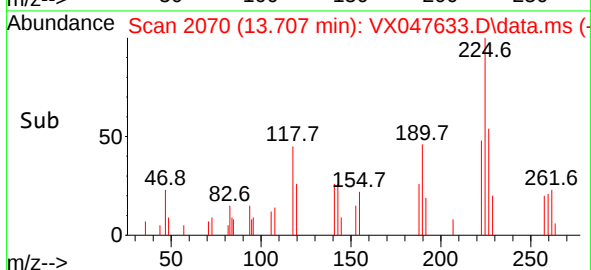
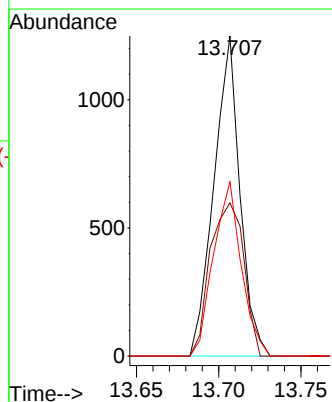
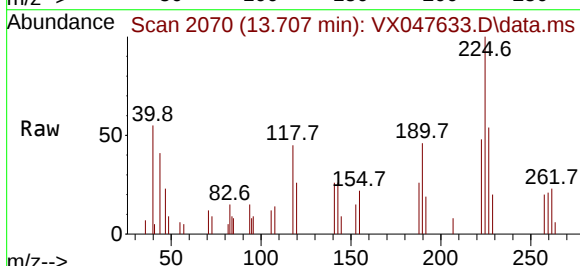
Tgt Ion:225 Resp: 1372

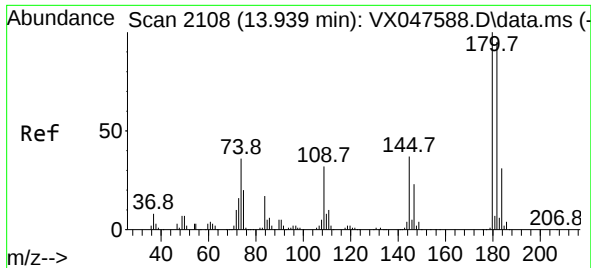
Ion Ratio Lower Upper

225 100

223 61.9 31.7 95.1

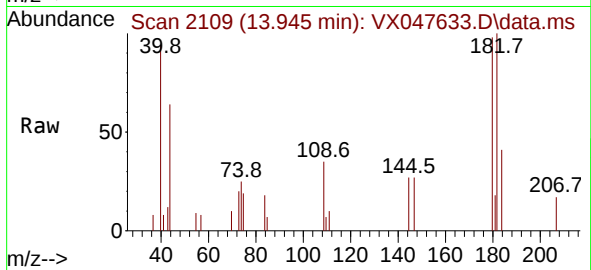
227 58.2 32.0 96.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.293 ug/l  
 RT: 13.945 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VX047633.D  
 Acq: 18 Sep 2025 12:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0918WBL01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 988   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 108.6 | 47.6  | 142.8 |
| 145      | 28.8  | 17.9  | 53.7  |

