

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071425\  
 Data File : VX046970.D  
 Acq On : 14 Jul 2025 13:58  
 Operator : JC/MD  
 Sample : Q2523-01  
 Misc : 2.50g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MOO-25-0190

Quant Time: Jul 15 01:20:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 05:51:11 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 330016   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 573133   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 510806   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 242432   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 233480   | 53.553   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 107.100% |      |
| 35) Dibromofluoromethane    | 5.397  | 113   | 182733   | 46.970   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 93.940%  |      |
| 50) Toluene-d8              | 8.647  | 98    | 662656   | 48.276   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 96.560%  |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 255002   | 48.881   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 97.760%  |      |

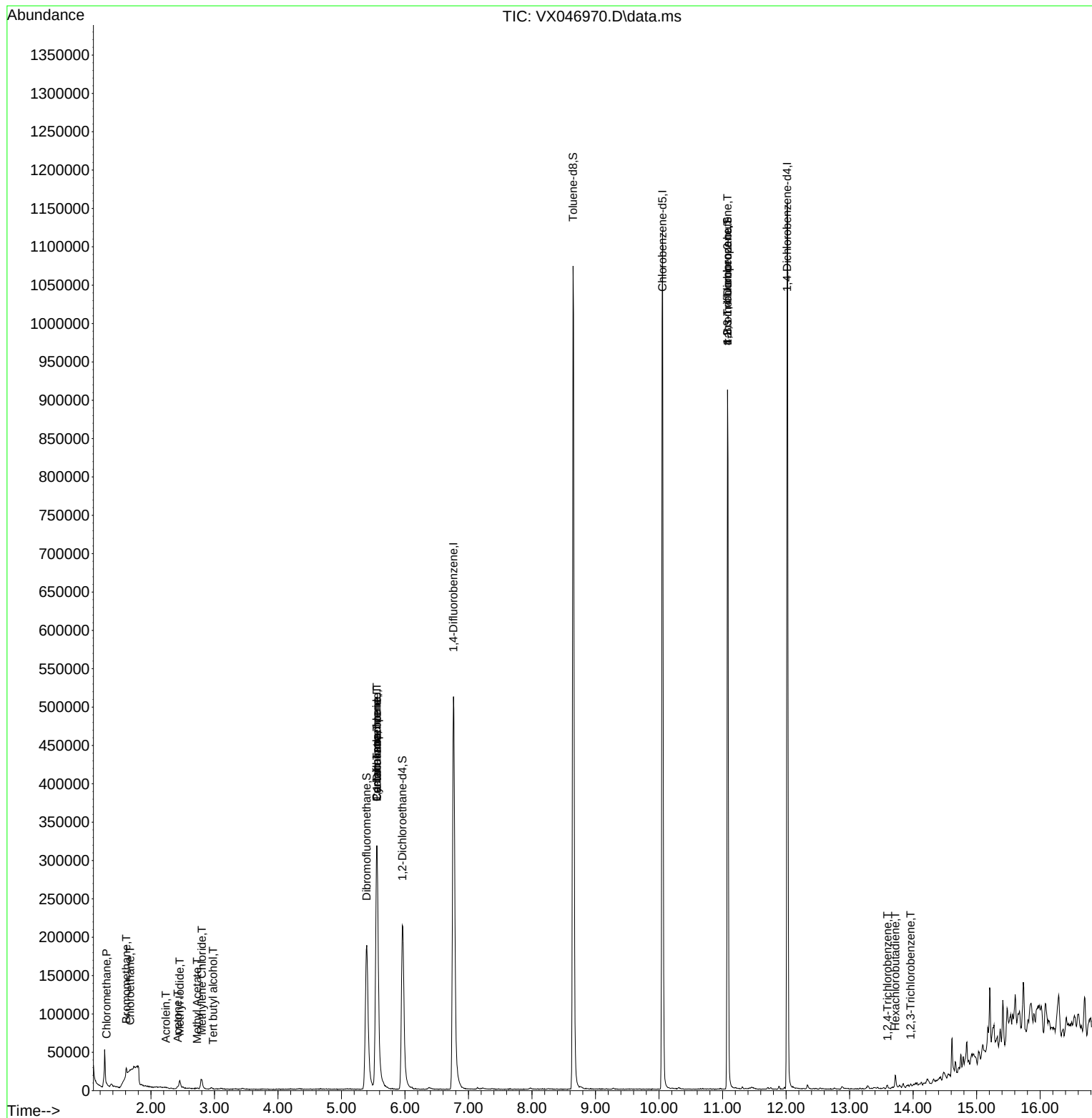
|                               |        |     |        |        |        |    |
|-------------------------------|--------|-----|--------|--------|--------|----|
| Target Compounds              |        |     | Qvalue |        |        |    |
| 3) Chloromethane              | 1.300  | 50  | 1250   | 0.363  | ug/l # | 83 |
| 5) Bromomethane               | 1.611  | 94  | 4242   | 1.758  | ug/l   | 96 |
| 6) Chloroethane               | 1.672  | 64  | 499    | 0.201  | ug/l # | 70 |
| 10) Methyl Iodide             | 2.453  | 142 | 12873  | 3.194  | ug/l   | 98 |
| 11) Tert butyl alcohol        | 2.977  | 59  | 59     | 0.206  | ug/l # | 72 |
| 13) Acrolein                  | 2.233  | 56  | 20     | 2.898  | ug/l # | 1  |
| 16) Acetone                   | 2.422  | 43  | 3579   | 2.643  | ug/l   | 90 |
| 18) Methyl Acetate            | 2.727  | 43  | 1245   | 0.349  | ug/l # | 79 |
| 20) Methylene Chloride        | 2.800  | 84  | 7094   | 1.771  | ug/l   | 93 |
| 31) Cyclohexane               | 5.556  | 56  | 7160   | 1.149  | ug/l # | 9  |
| 36) 1,1-Dichloropropene       | 5.556  | 75  | 25432  | 4.845  | ug/l # | 51 |
| 38) Carbon Tetrachloride      | 5.556  | 117 | 33973  | 6.122  | ug/l # | 17 |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 131283 | 35.047 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 131283 | 94.048 | ug/l # | 8  |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180 | 1391   | 0.266  | ug/l   | 97 |
| 94) Hexachlorobutadiene       | 13.719 | 225 | 2137   | 1.084  | ug/l   | 91 |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180 | 1321   | 0.267  | ug/l # | 84 |

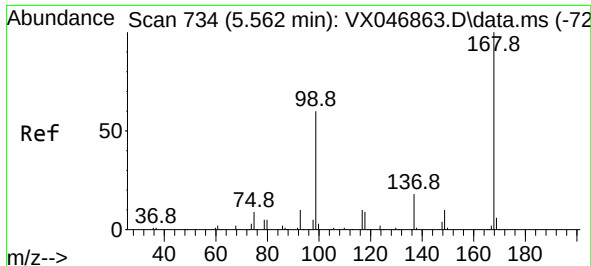
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071425\  
Data File : VX046970.D  
Acq On : 14 Jul 2025 13:58  
Operator : JC/MD  
Sample : Q2523-01  
Misc : 2.50g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

Quant Time: Jul 15 01:20:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070225W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 03 05:51:11 2025  
Response via : Initial Calibration

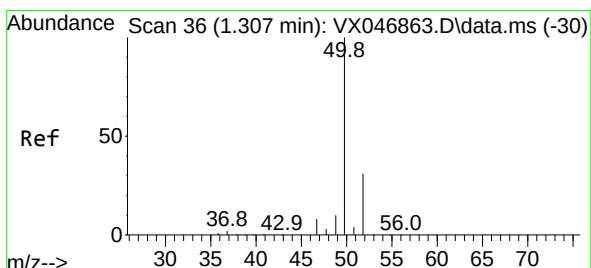
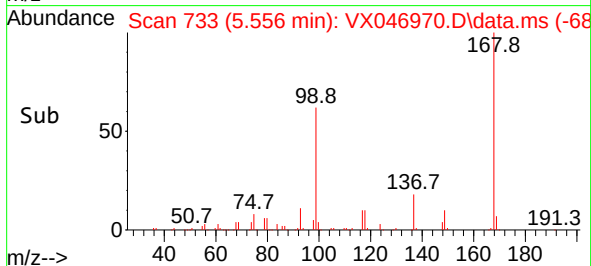
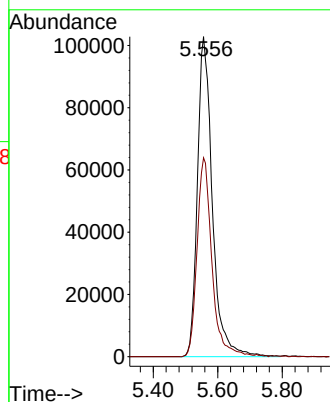
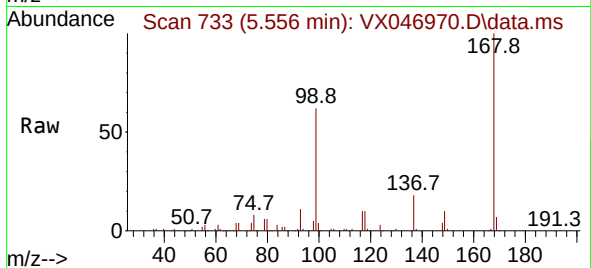




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

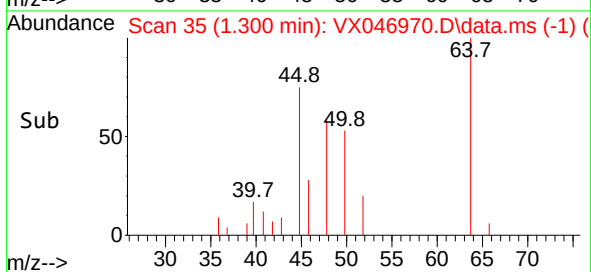
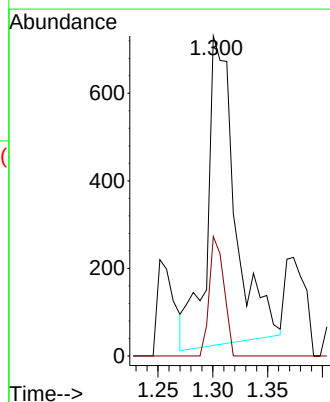
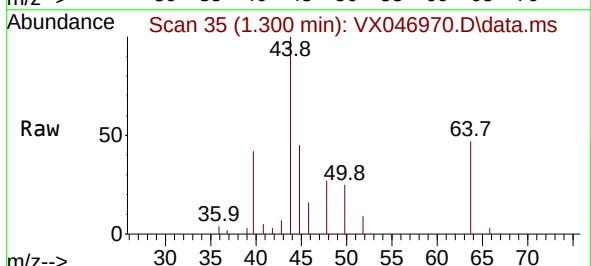
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

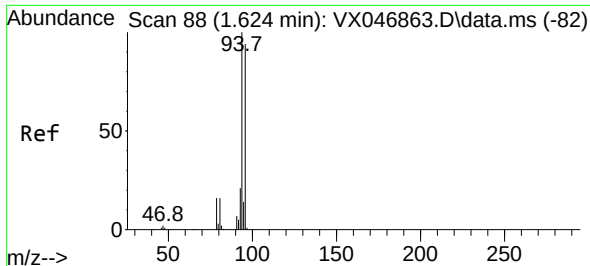
Tgt Ion:168 Resp: 330016  
Ion Ratio Lower Upper  
168 100  
99 62.2 48.8 73.2



#3  
Chloromethane  
Concen: 0.363 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. -0.006 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion: 50 Resp: 1250  
Ion Ratio Lower Upper  
50 100  
52 40.7 25.0 37.4#

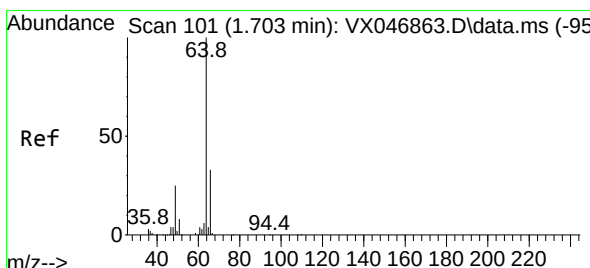
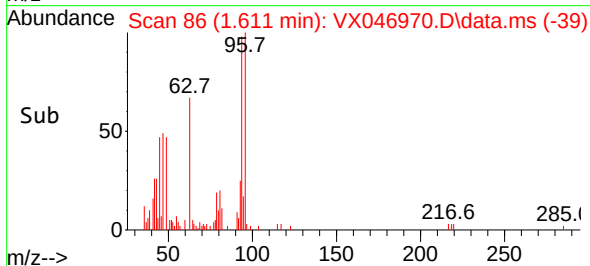
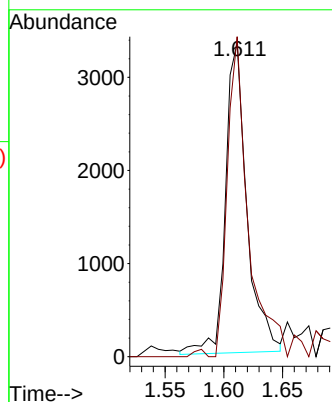
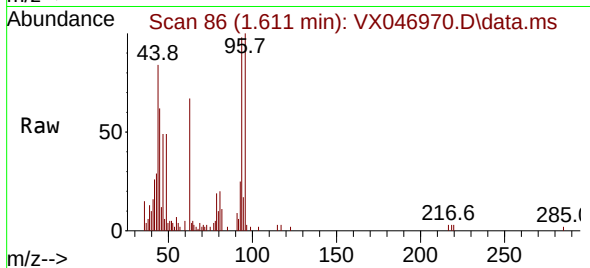




#5  
Bromomethane  
Concen: 1.758 ug/l  
RT: 1.611 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

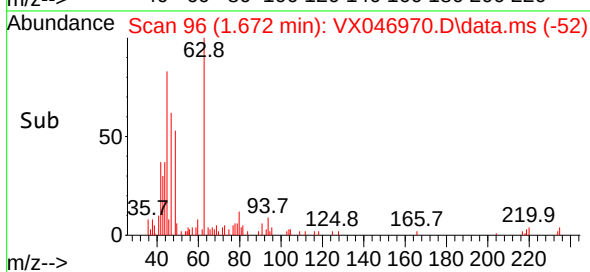
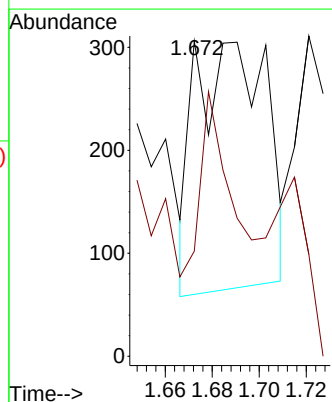
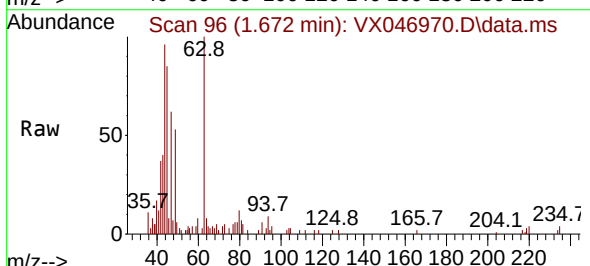
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

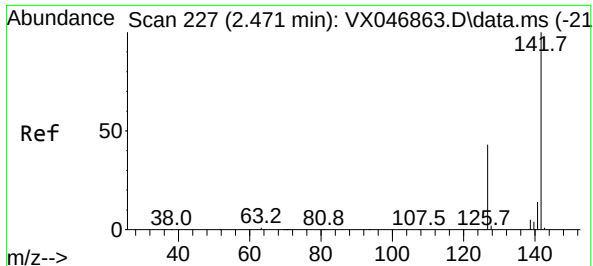
Tgt Ion: 94 Resp: 4242  
Ion Ratio Lower Upper  
94 100  
96 90.6 75.5 113.3



#6  
Chloroethane  
Concen: 0.201 ug/l  
RT: 1.672 min Scan# 96  
Delta R.T. -0.031 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

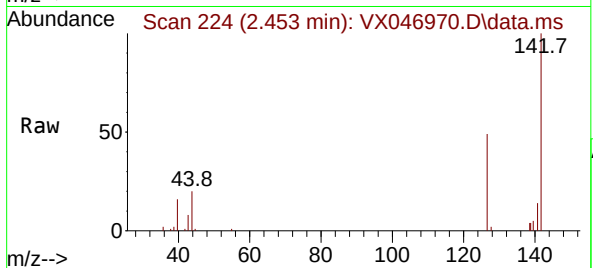
Tgt Ion: 64 Resp: 499  
Ion Ratio Lower Upper  
64 100  
66 15.9 26.4 39.6#



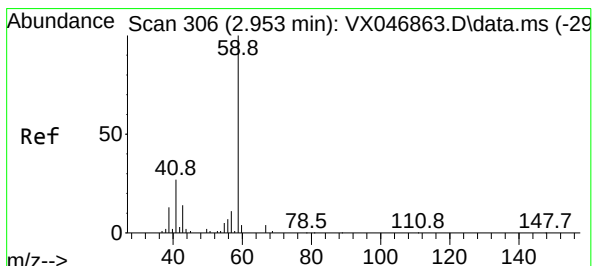
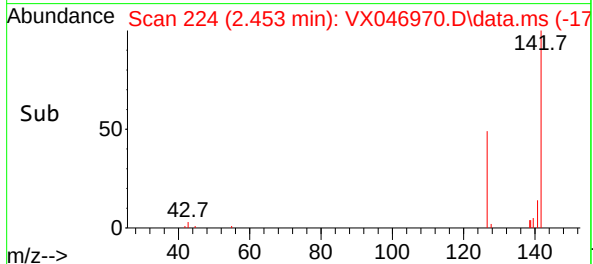
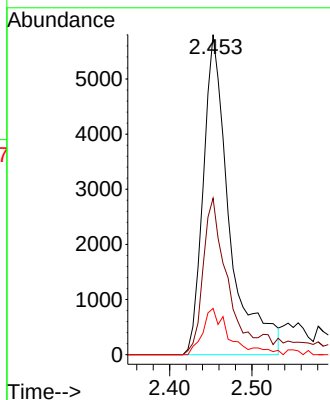


#10  
Methyl Iodide  
Concen: 3.194 ug/l  
RT: 2.453 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

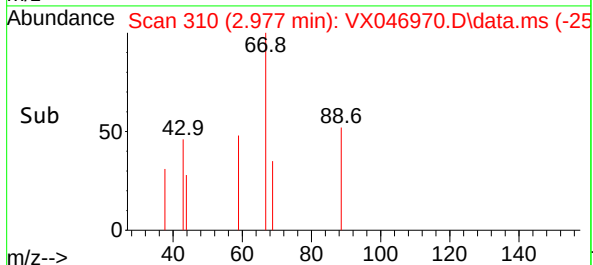
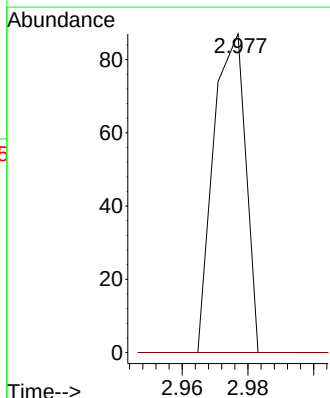
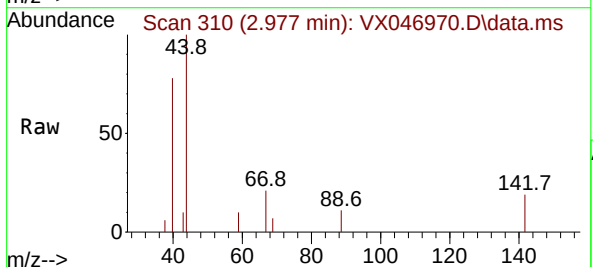


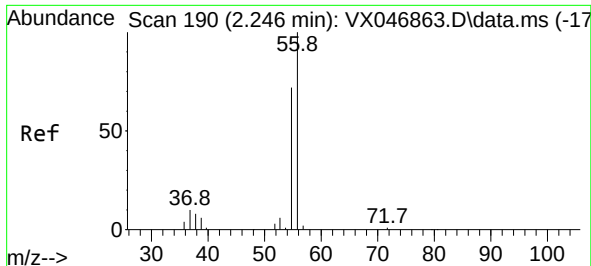
Tgt Ion:142 Resp: 12873  
Ion Ratio Lower Upper  
142 100  
127 44.9 34.9 52.3  
141 14.7 11.1 16.7



#11  
Tert butyl alcohol  
Concen: 0.206 ug/l  
RT: 2.977 min Scan# 310  
Delta R.T. 0.024 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion: 59 Resp: 59  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#

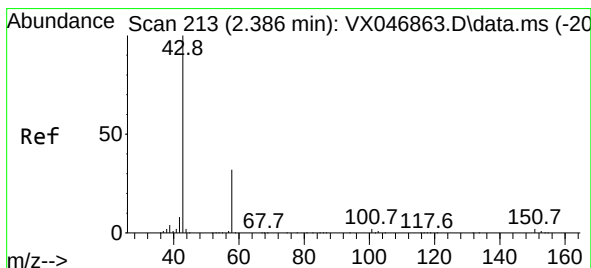
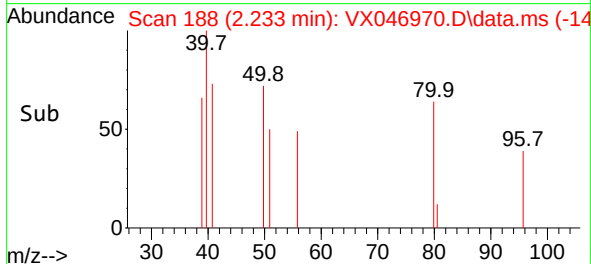
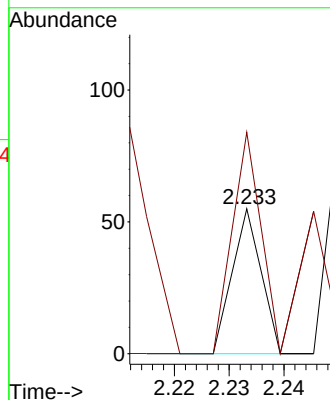
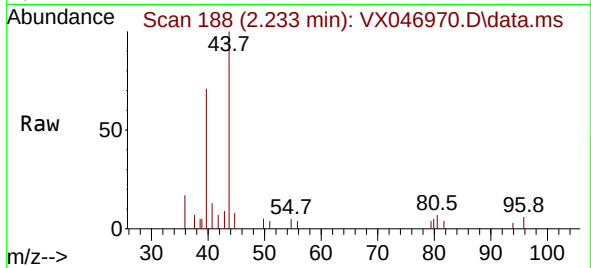




#13  
Acrolein  
Concen: 2.898 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

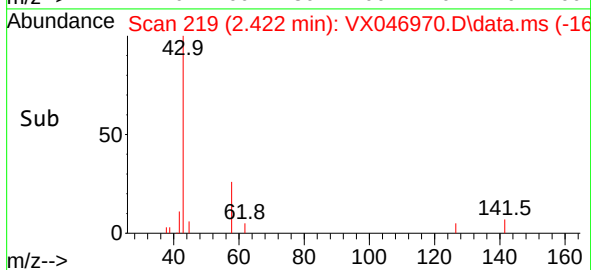
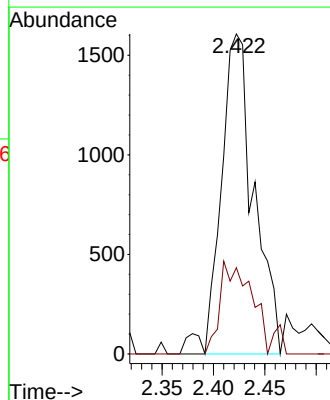
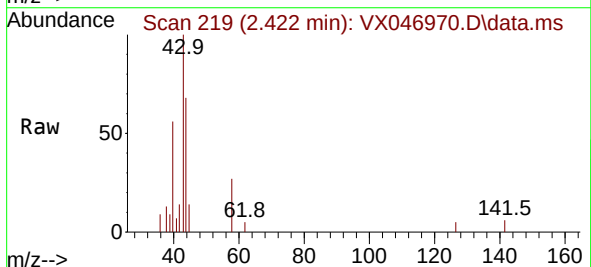
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

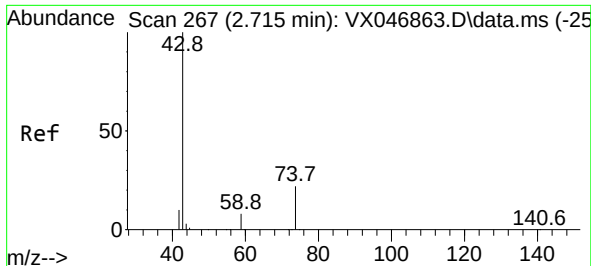
Tgt Ion: 56 Resp: 20  
Ion Ratio Lower Upper  
56 100  
55 250.0 55.5 83.3#



#16  
Acetone  
Concen: 2.643 ug/l  
RT: 2.422 min Scan# 219  
Delta R.T. 0.036 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion: 43 Resp: 3579  
Ion Ratio Lower Upper  
43 100  
58 26.7 25.8 38.6

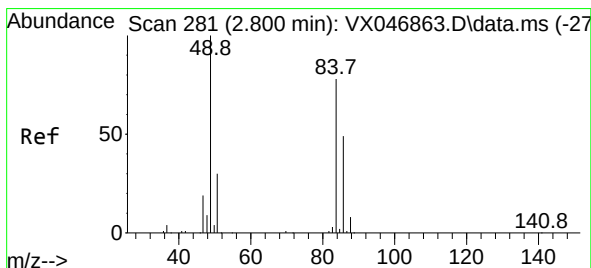
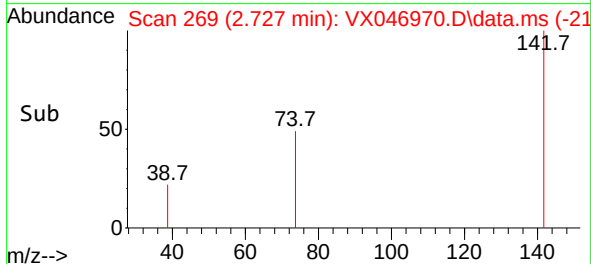
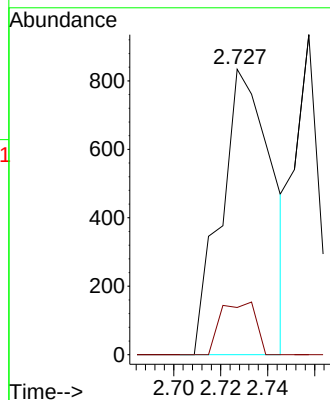
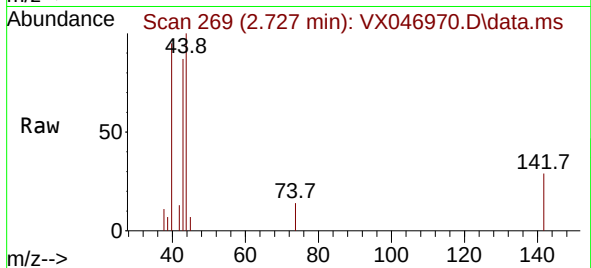




#18  
Methyl Acetate  
Concen: 0.349 ug/l  
RT: 2.727 min Scan# 20  
Delta R.T. 0.012 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

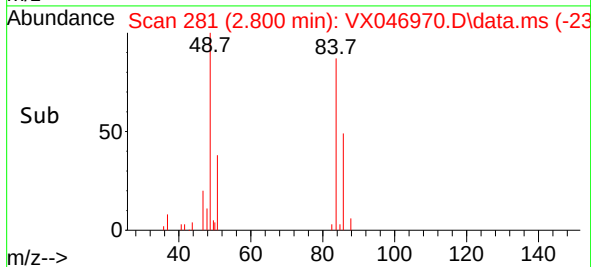
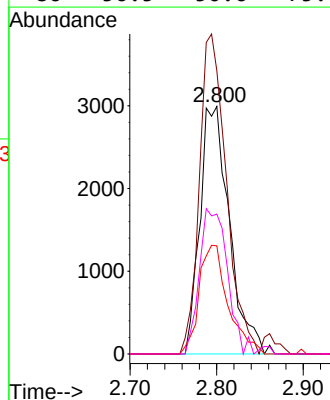
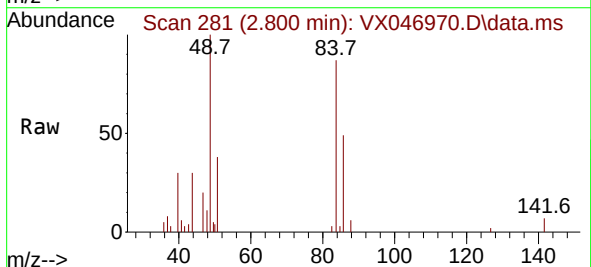
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

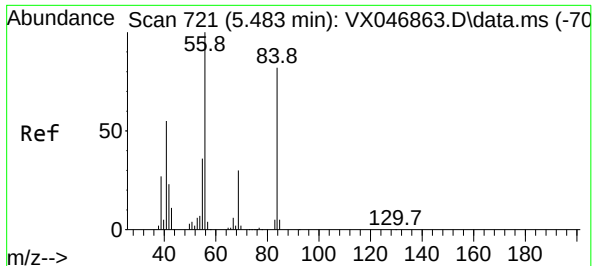
Tgt Ion: 43 Resp: 1245  
Ion Ratio Lower Upper  
43 100  
74 12.8 18.3 27.5#



#20  
Methylene Chloride  
Concen: 1.771 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. -0.000 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion: 84 Resp: 7094  
Ion Ratio Lower Upper  
84 100  
49 120.7 102.8 154.2  
51 43.7 31.1 46.7  
86 56.5 50.6 75.8

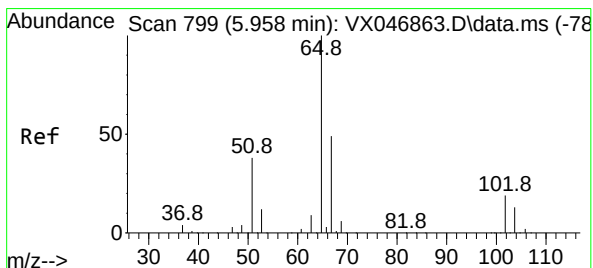
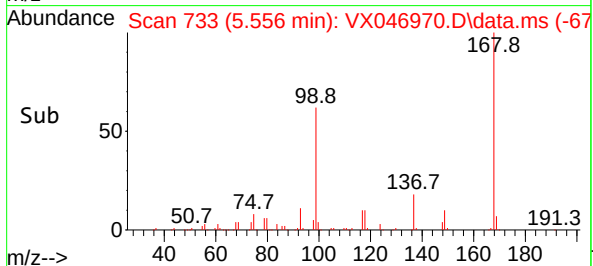
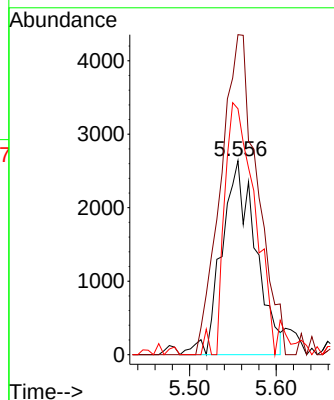
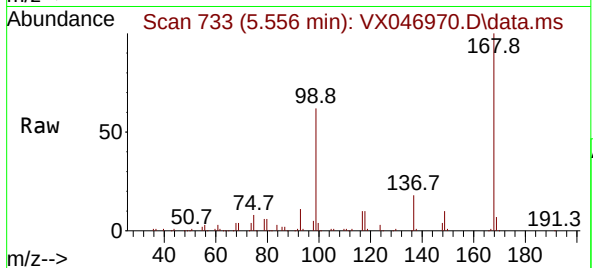




#31  
Cyclohexane  
Concen: 1.149 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.073 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

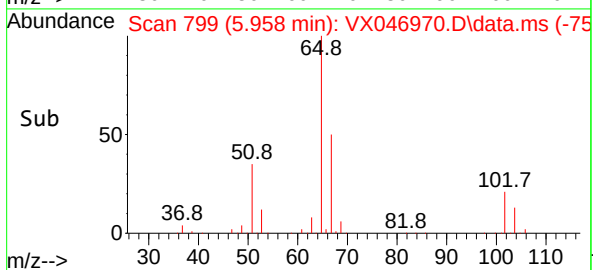
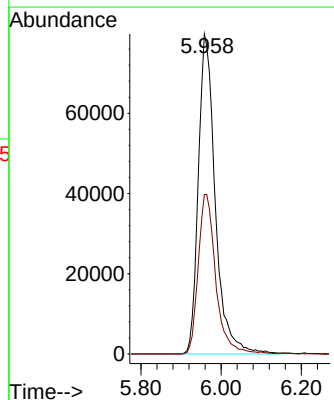
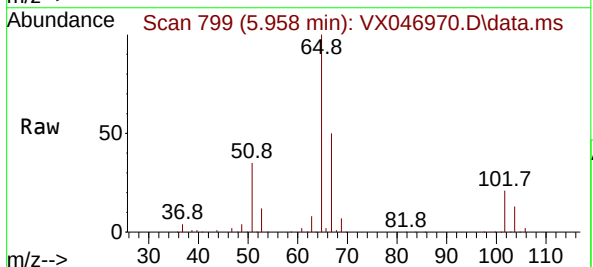
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

Tgt Ion: 56 Resp: 7160  
Ion Ratio Lower Upper  
56 100  
69 155.8 24.0 36.0#  
84 119.7 66.5 99.7#

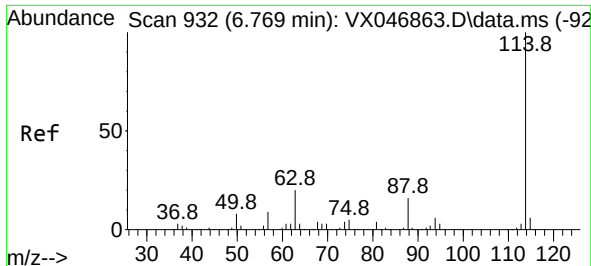


#33  
1,2-Dichloroethane-d4  
Concen: 53.553 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion: 65 Resp: 233480  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 105.2



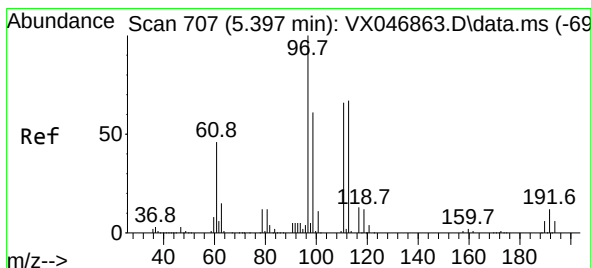
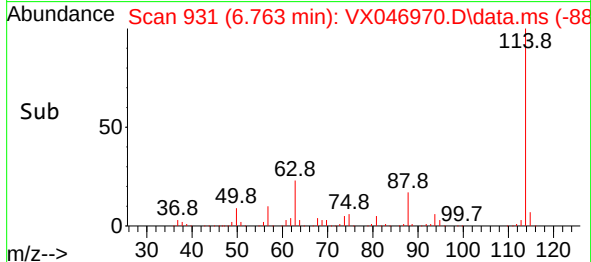
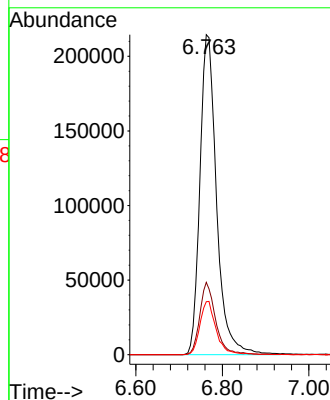
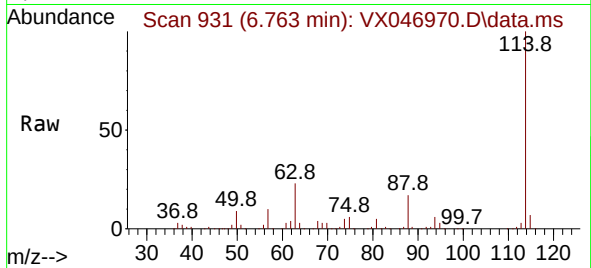




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

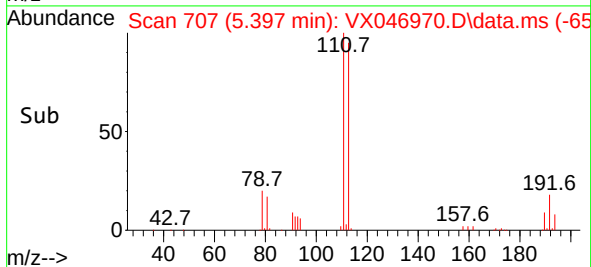
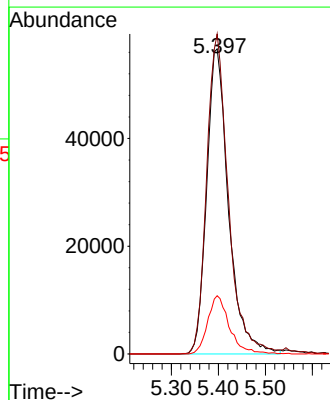
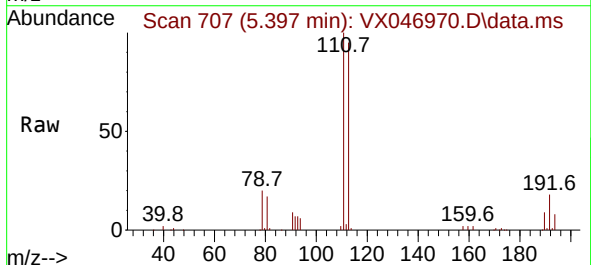
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

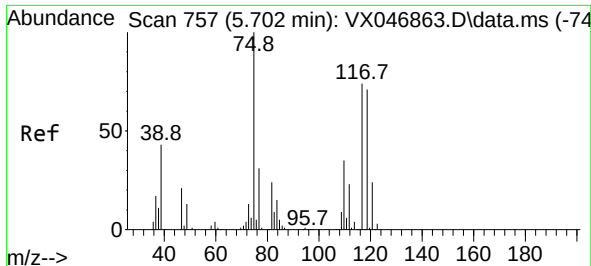
Tgt Ion:114 Resp: 573133  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 40.4  
88 16.6 0.0 31.0



#35  
Dibromofluoromethane  
Concen: 46.970 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. -0.000 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion:113 Resp: 182733  
Ion Ratio Lower Upper  
113 100  
111 103.9 81.2 121.8  
192 19.0 15.3 22.9

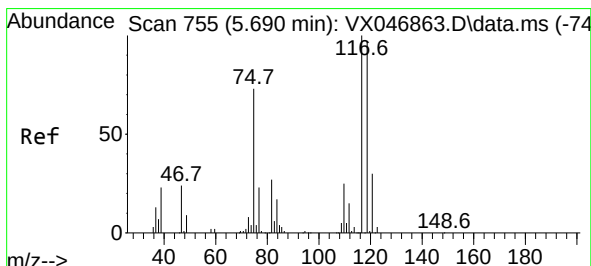
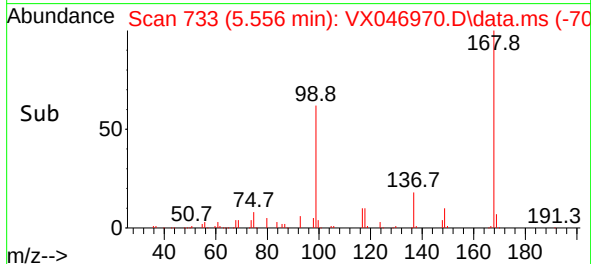
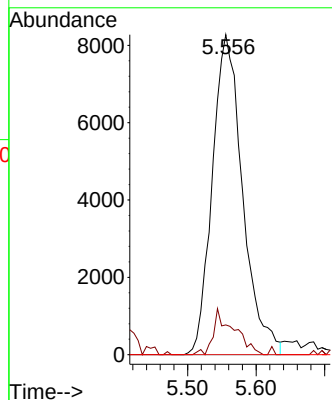
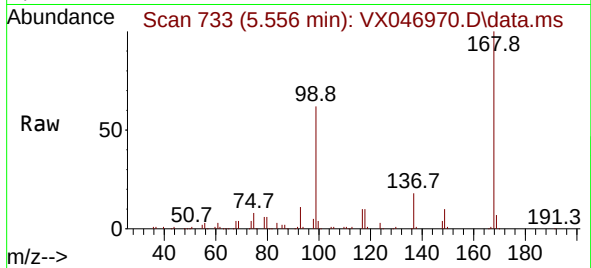




#36  
1,1-Dichloropropene  
Concen: 4.845 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.146 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

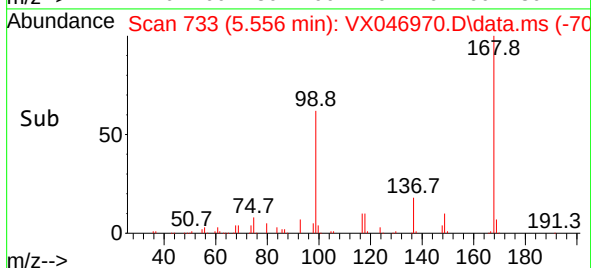
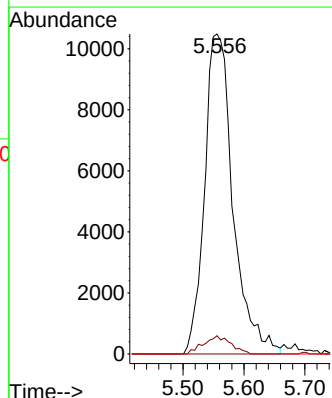
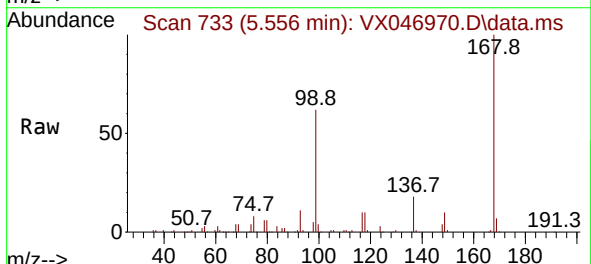
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

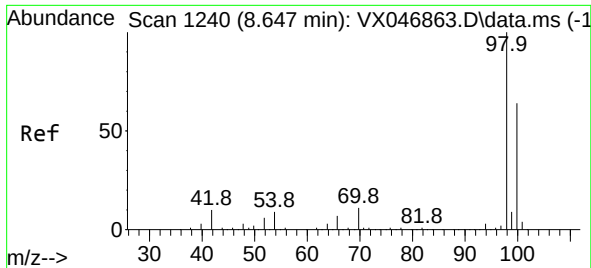
Tgt Ion: 75 Resp: 25432  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.3 51.9#  
77 0.0 24.2 36.4#



#38  
Carbon Tetrachloride  
Concen: 6.122 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion: 117 Resp: 33973  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.6 114.8#  
121 0.0 24.1 36.1#

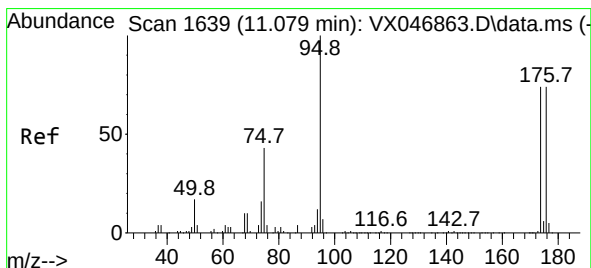
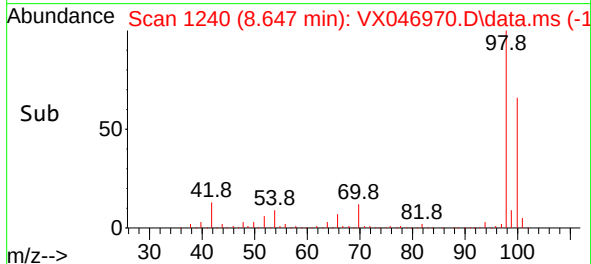
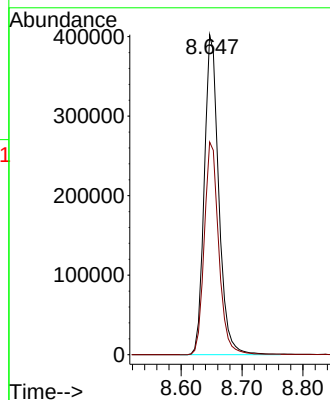
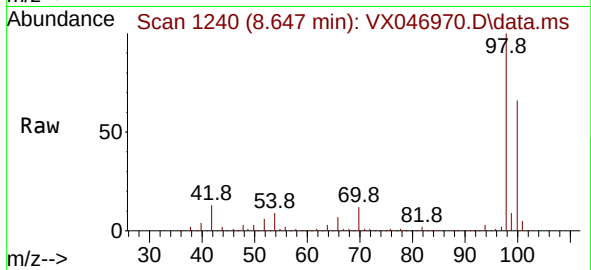




#50  
Toluene-d8  
Concen: 48.276 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

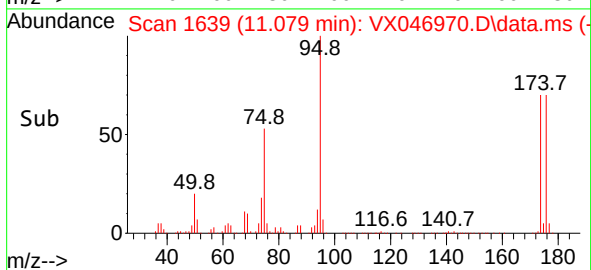
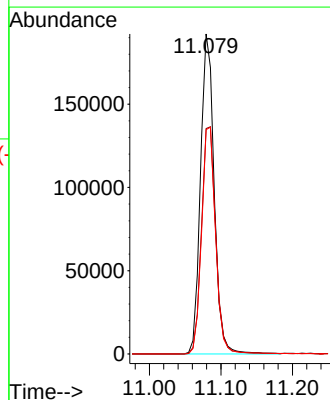
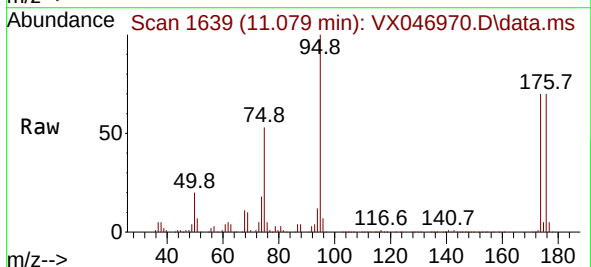
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

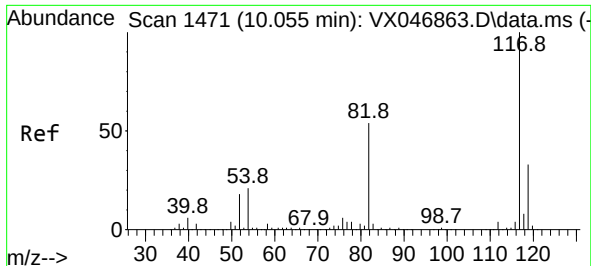
Tgt Ion: 98 Resp: 662656  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 48.881 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion: 95 Resp: 255002  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 152.0  
176 72.7 0.0 145.2

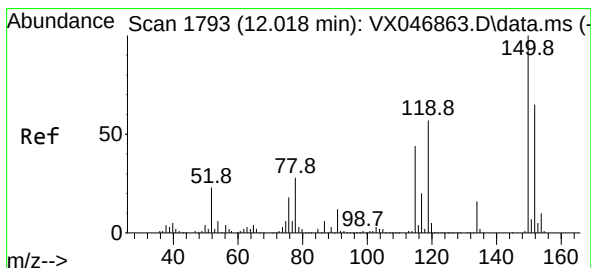
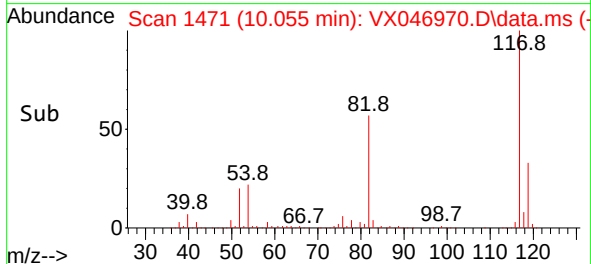
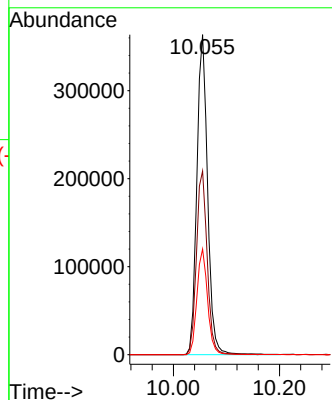
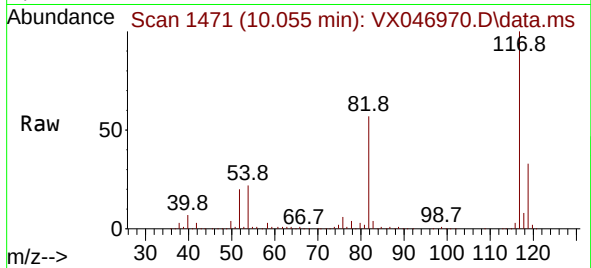




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

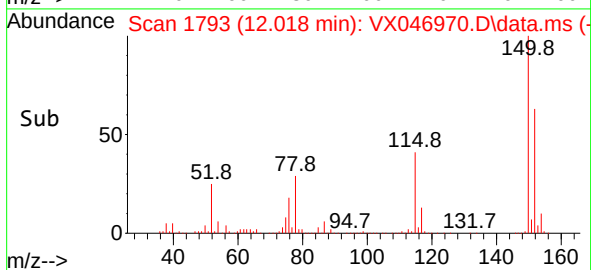
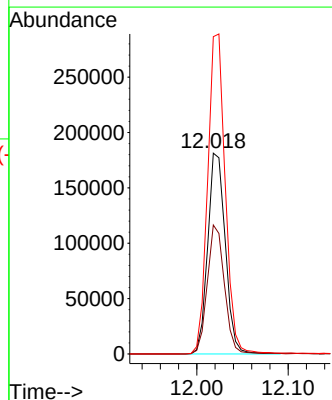
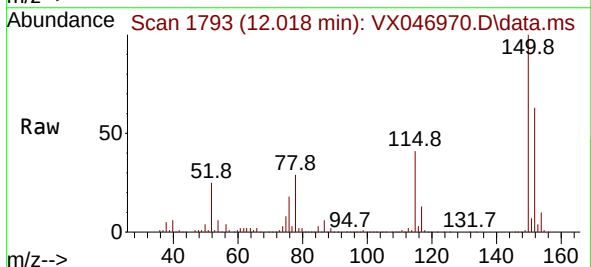
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

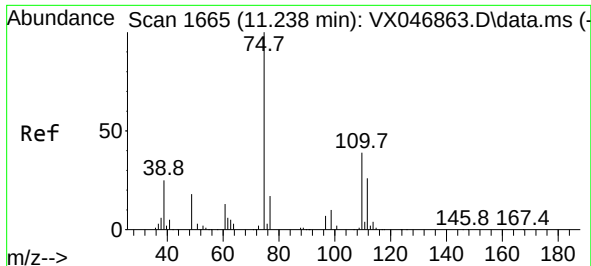
Tgt Ion:117 Resp: 510806  
Ion Ratio Lower Upper  
117 100  
82 57.4 43.3 64.9  
119 33.0 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion:152 Resp: 242432  
Ion Ratio Lower Upper  
152 100  
115 62.4 42.4 127.1  
150 160.0 0.0 349.2

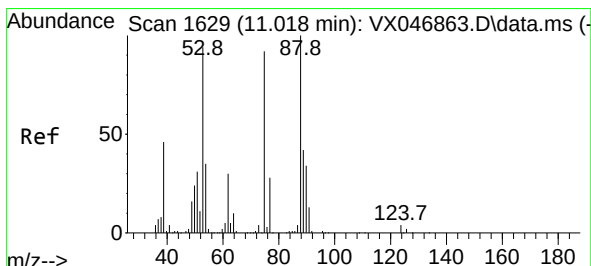
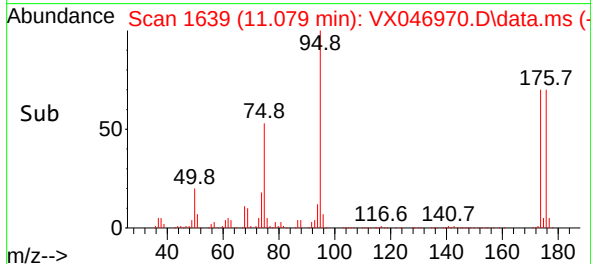
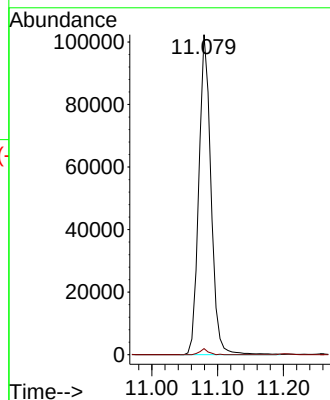
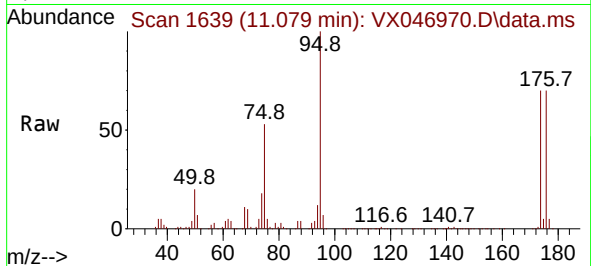




#76  
1,2,3-Trichloropropane  
Concen: 35.047 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

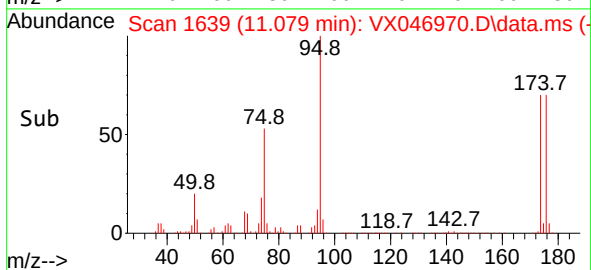
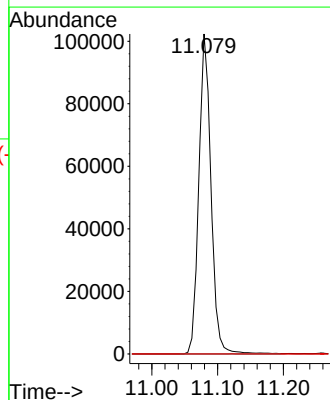
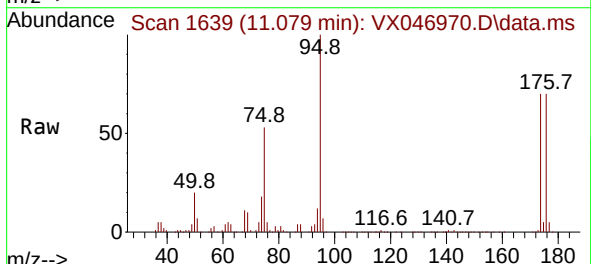
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

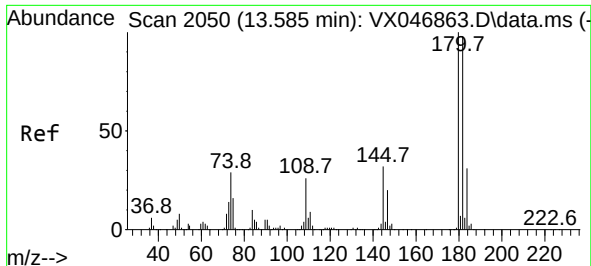
Tgt Ion: 75 Resp: 131283  
Ion Ratio Lower Upper  
75 100  
77 1.3 20.6 61.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.048 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

Tgt Ion: 75 Resp: 131283  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.7 125.5#  
89 0.0 38.2 57.2#

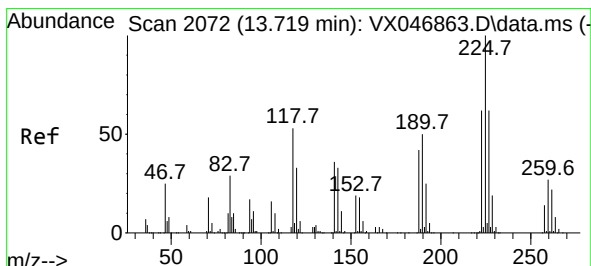
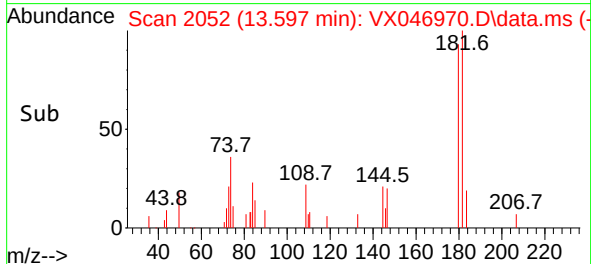
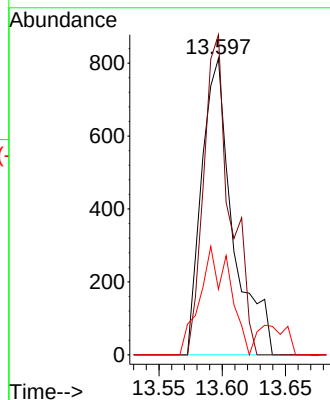
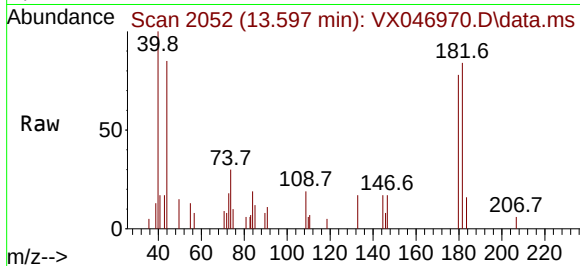




#93  
1,2,4-Trichlorobenzene  
Concen: 0.266 ug/l  
RT: 13.597 min Scan# 2050  
Delta R.T. 0.012 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

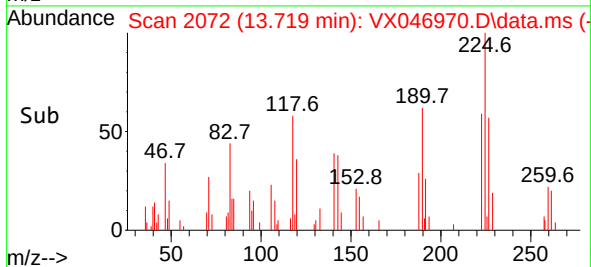
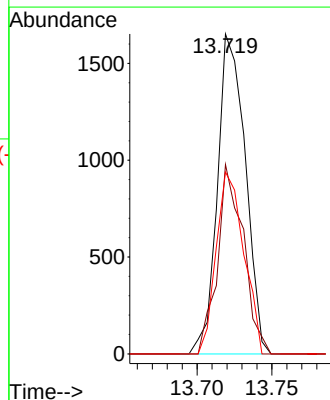
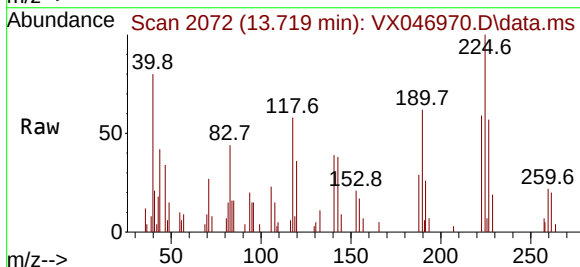
Instrument :  
MSVOA\_X  
ClientSampleId :  
MOO-25-0190

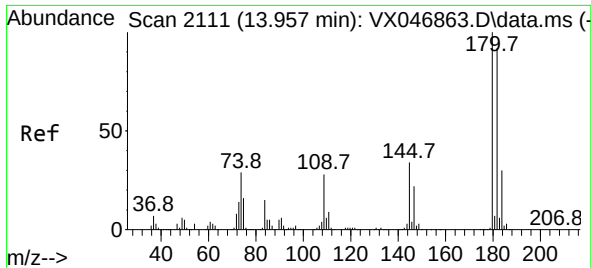
Tgt Ion:180 Resp: 1391  
Ion Ratio Lower Upper  
180 100  
182 92.2 47.3 141.9  
145 35.4 16.1 48.2



#94  
Hexachlorobutadiene  
Concen: 1.084 ug/l  
RT: 13.719 min Scan# 2072  
Delta R.T. -0.000 min  
Lab File: VX046970.D  
Acq: 14 Jul 2025 13:58

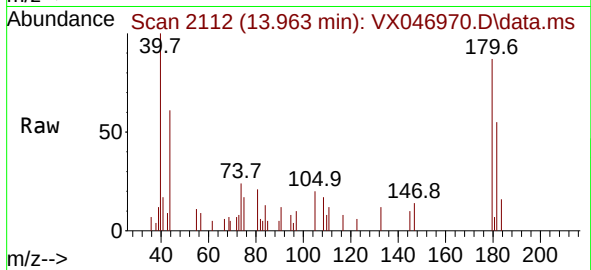
Tgt Ion:225 Resp: 2137  
Ion Ratio Lower Upper  
225 100  
223 55.0 31.6 94.7  
227 56.5 31.6 94.7





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.267 ug/l  
 RT: 13.963 min Scan# 2112  
 Delta R.T. 0.006 min  
 Lab File: VX046970.D  
 Acq: 14 Jul 2025 13:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MOO-25-0190



Tgt Ion:180 Resp: 1321  
 Ion Ratio Lower Upper  
 180 100  
 182 82.6 46.7 140.1  
 145 16.7 16.8 50.3#

