

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101725\  
 Data File : VX048212.D  
 Acq On : 17 Oct 2025 15:11  
 Operator : JC/MD  
 Sample : Q3362-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 18 00:19:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 18 00:06:31 2025  
 Response via : Initial Calibration

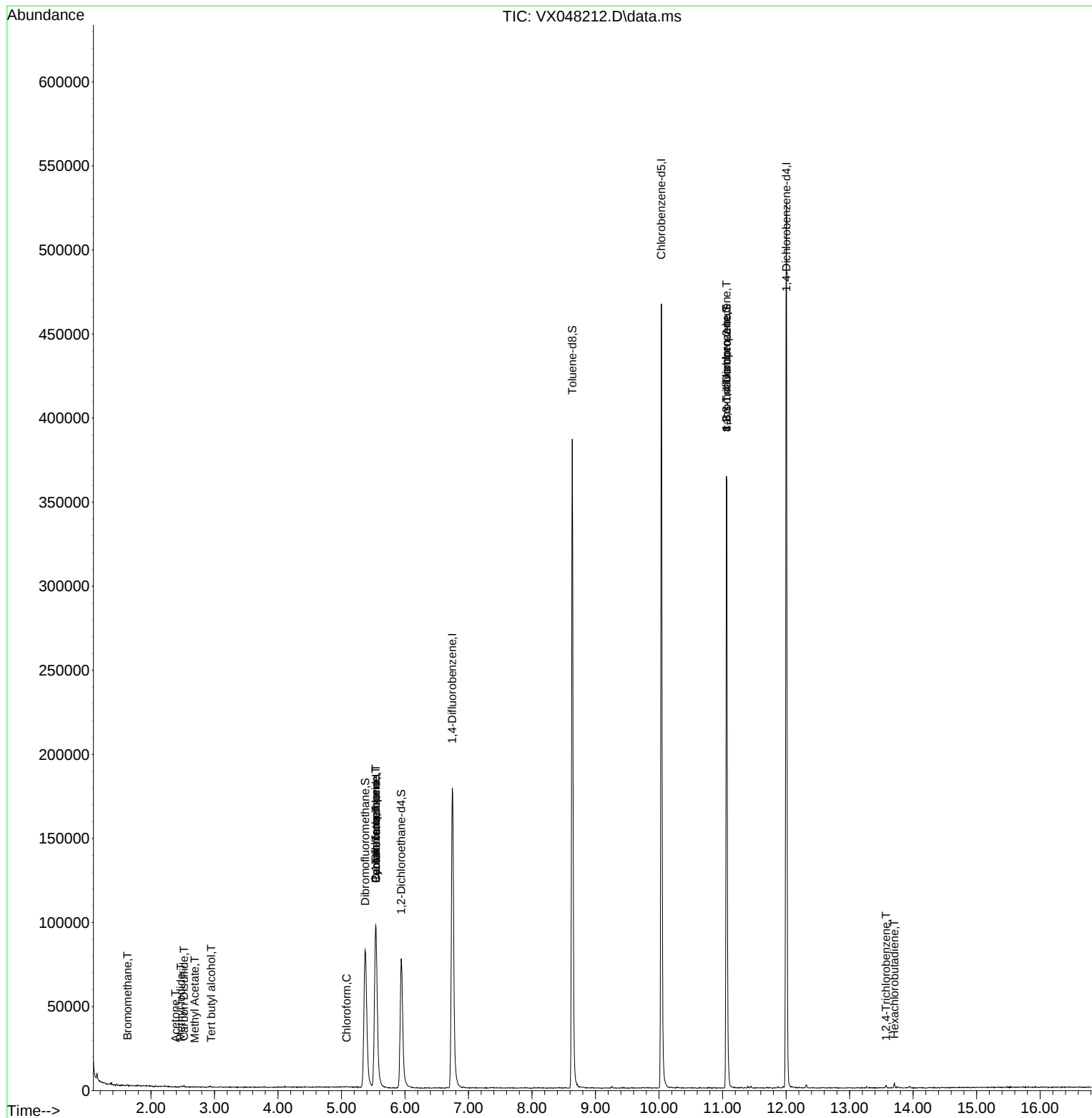
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 101378   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.745  | 114   | 201098   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 214674   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 114293   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.940  | 65    | 84980    | 54.108   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 108.220% |          |
| 35) Dibromofluoromethane      | 5.373  | 113   | 81667    | 58.514   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 117.020% |          |
| 50) Toluene-d8                | 8.634  | 98    | 239145   | 47.562   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 95.120%  |          |
| 62) 4-Bromofluorobenzene      | 11.061 | 95    | 106803   | 58.320   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 116.640% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.630  | 94    | 272      | 0.301    | ug/l #     | 48       |
| 10) Methyl Iodide             | 2.471  | 142   | 720      | 0.500    | ug/l #     | 82       |
| 11) Tert butyl alcohol        | 2.946  | 59    | 44       | 0.422    | ug/l #     | 72       |
| 16) Acetone                   | 2.386  | 43    | 192      | 0.358    | ug/l #     | 45       |
| 17) Carbon Disulfide          | 2.520  | 76    | 986      | 0.273    | ug/l       | 96       |
| 18) Methyl Acetate            | 2.690  | 43    | 459      | 0.421    | ug/l #     | 54       |
| 30) Chloroform                | 5.080  | 83    | 497      | 0.201    | ug/l       | 85       |
| 31) Cyclohexane               | 5.544  | 56    | 1948     | 1.014    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.537  | 75    | 8028     | 4.083    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 10171    | 4.507    | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 54665    | 31.321   | ug/l #     | 33       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 54665    | 76.694   | ug/l #     | 10       |
| 93) 1,2,4-Trichlorobenzene    | 13.573 | 180   | 527      | 0.254    | ug/l       | 87       |
| 94) Hexachlorobutadiene       | 13.707 | 225   | 542      | 0.677    | ug/l       | 90       |
| -----                         |        |       |          |          |            |          |

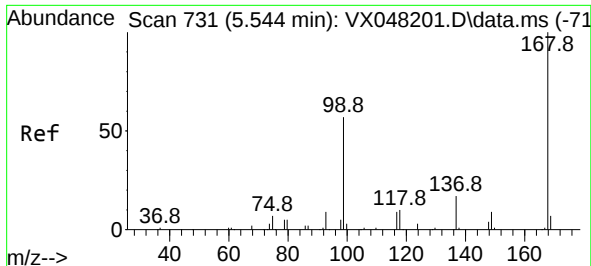
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101725\  
Data File : VX048212.D  
Acq On : 17 Oct 2025 15:11  
Operator : JC/MD  
Sample : Q3362-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

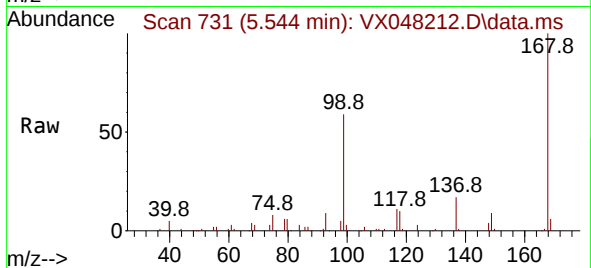
Quant Time: Oct 18 00:19:15 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101725W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 18 00:06:31 2025  
Response via : Initial Calibration



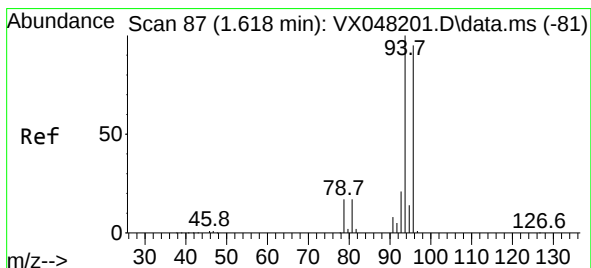
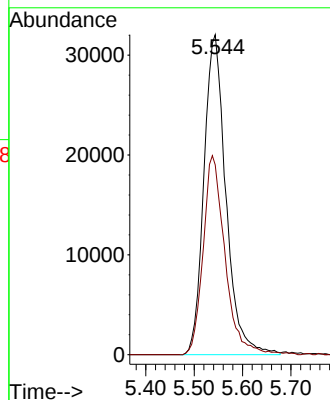
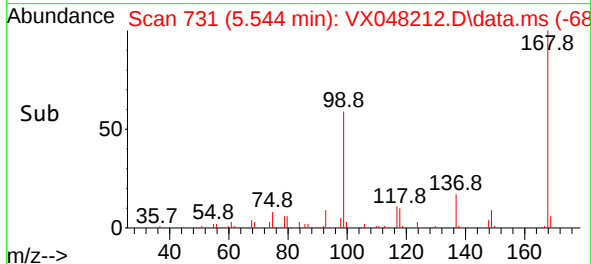


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

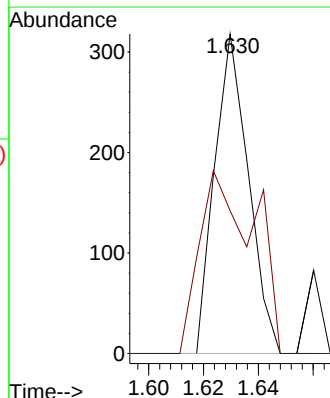
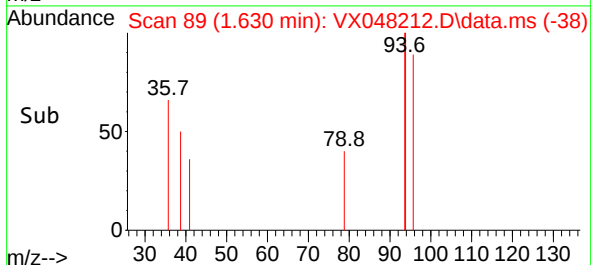
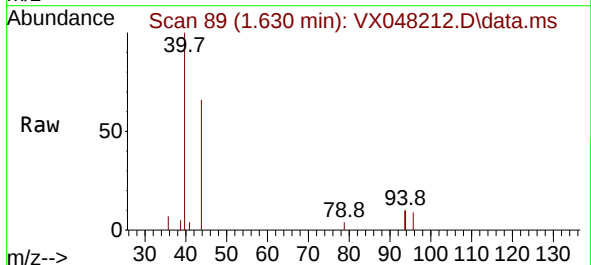


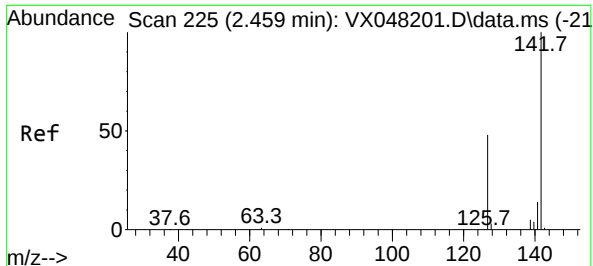
Tgt Ion:168 Resp: 101378  
Ion Ratio Lower Upper  
168 100  
99 59.3 46.4 69.6



#5  
Bromomethane  
Concen: 0.301 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.012 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

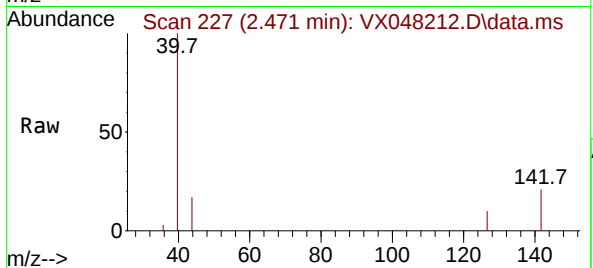
Tgt Ion: 94 Resp: 272  
Ion Ratio Lower Upper  
94 100  
96 44.7 76.0 114.0#



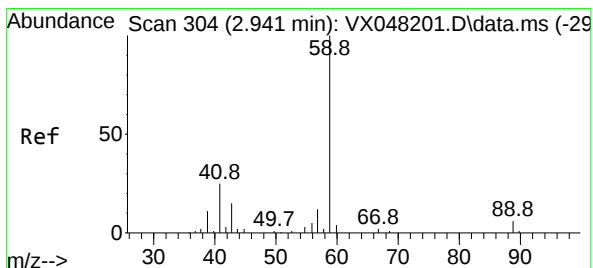
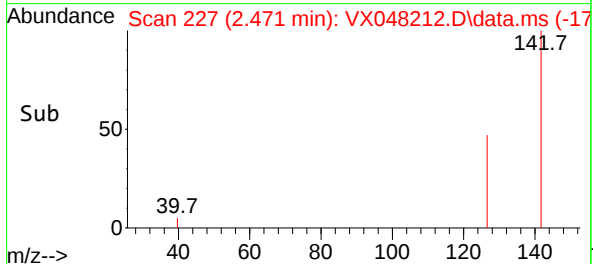
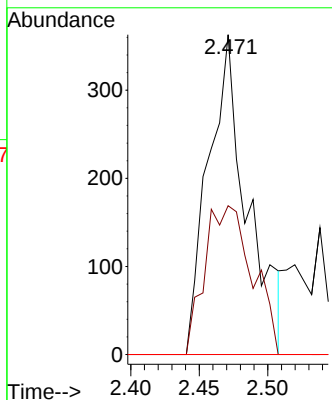


#10  
Methyl Iodide  
Concen: 0.500 ug/l  
RT: 2.471 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

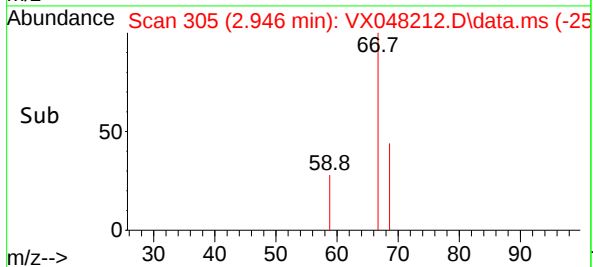
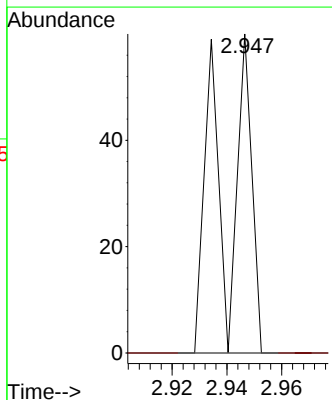
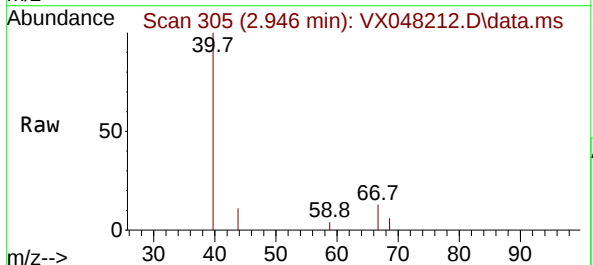


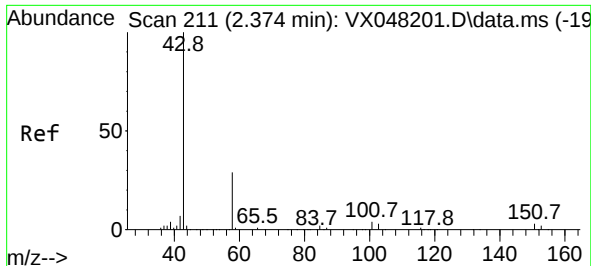
Tgt Ion:142 Resp: 720  
Ion Ratio Lower Upper  
142 100  
127 56.8 38.5 57.7  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 0.422 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. 0.006 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

Tgt Ion: 59 Resp: 44  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

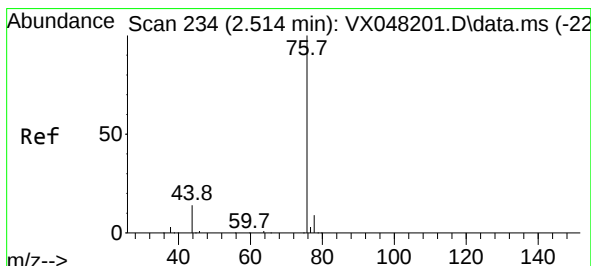
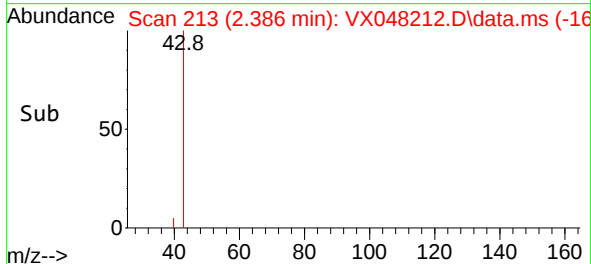
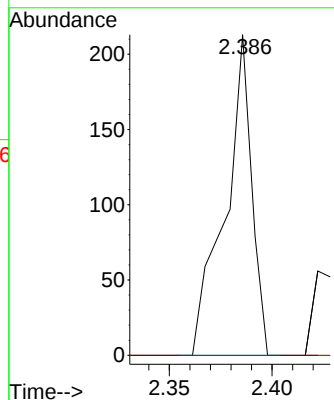
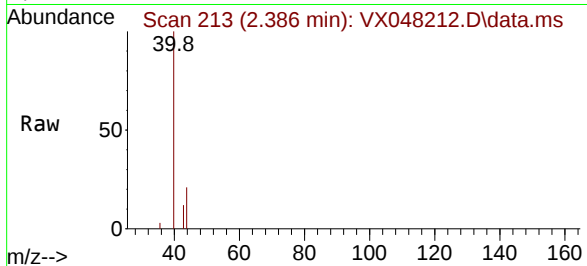




#16  
Acetone  
Concen: 0.358 ug/l  
RT: 2.386 min Scan# 211  
Delta R.T. 0.012 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

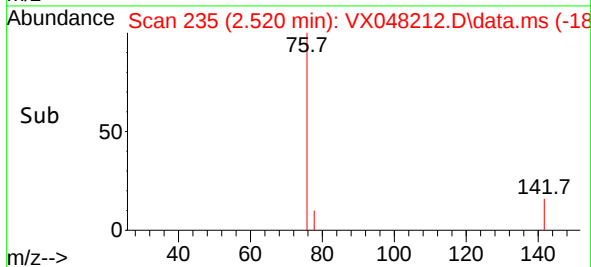
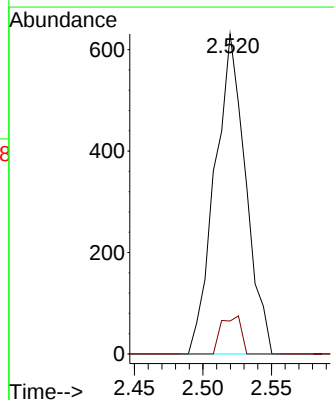
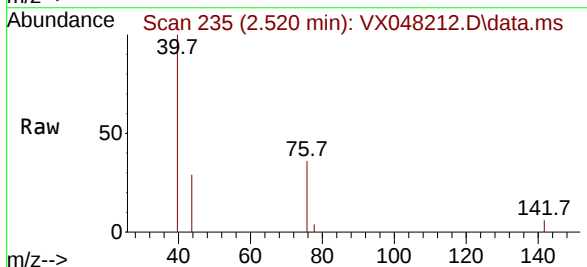
Instrument :  
MSVOA\_X  
ClientSampleId :

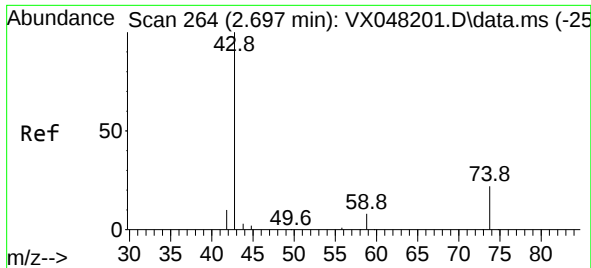
Tgt Ion: 43 Resp: 192  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.4 35.2#



#17  
Carbon Disulfide  
Concen: 0.273 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. 0.006 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

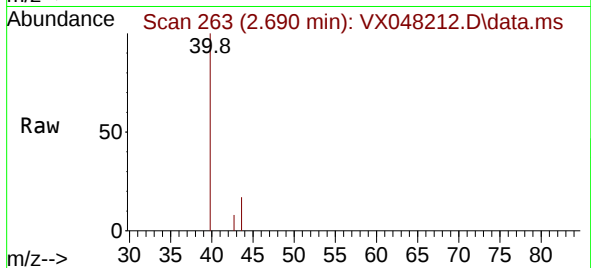
Tgt Ion: 76 Resp: 986  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.1 10.7



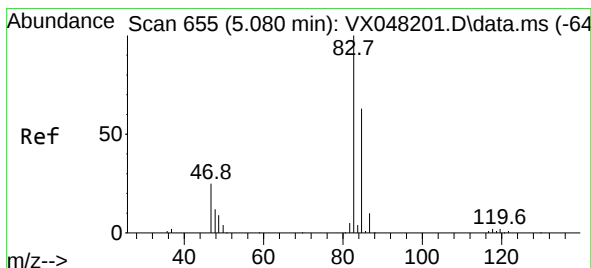
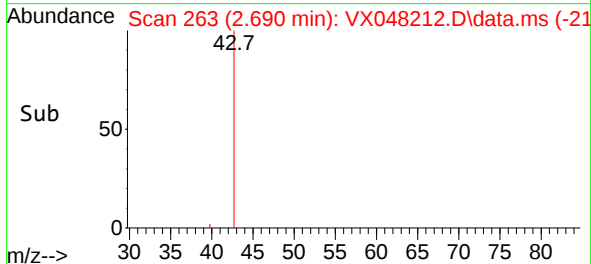
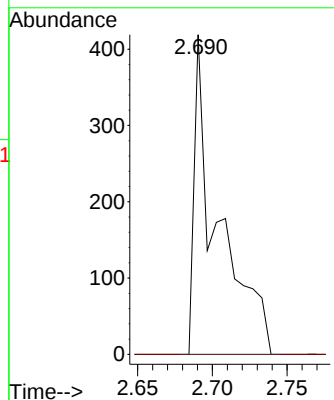


#18  
Methyl Acetate  
Concen: 0.421 ug/l  
RT: 2.690 min Scan# 263  
Delta R.T. -0.006 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

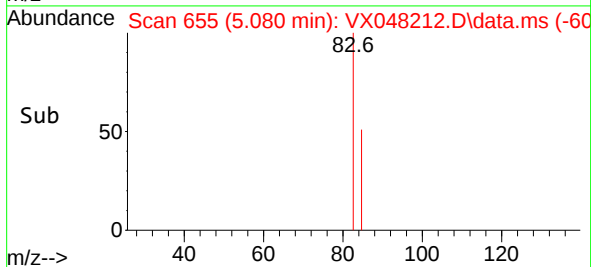
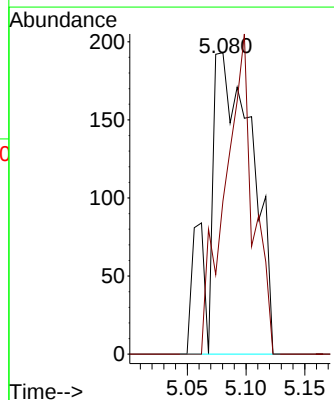
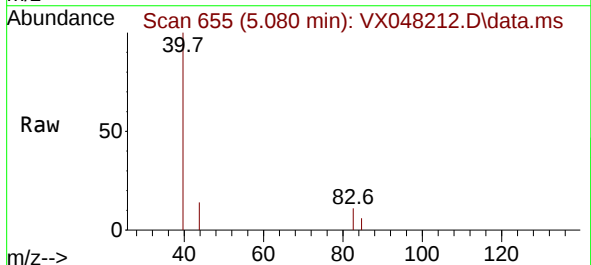


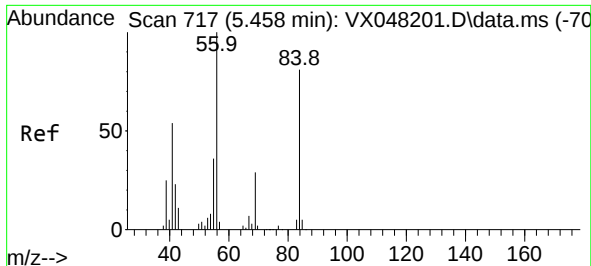
Tgt Ion: 43 Resp: 459  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.5 26.3#



#30  
Chloroform  
Concen: 0.201 ug/l  
RT: 5.080 min Scan# 655  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

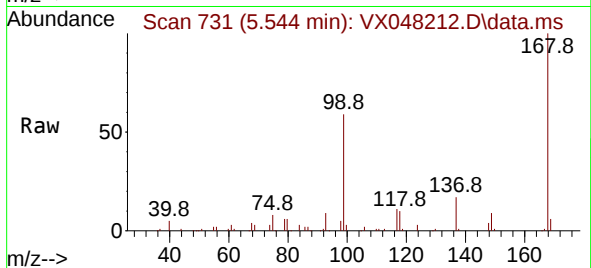
Tgt Ion: 83 Resp: 497  
Ion Ratio Lower Upper  
83 100  
85 50.8 50.1 75.1



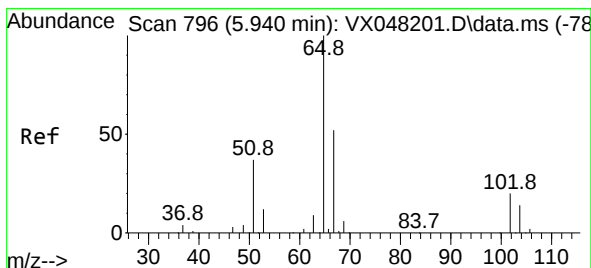
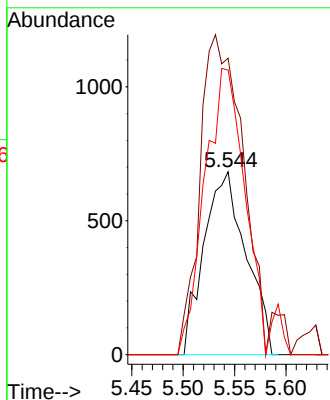


#31  
Cyclohexane  
Concen: 1.014 ug/l  
RT: 5.544 min Scan# 717  
Delta R.T. 0.085 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

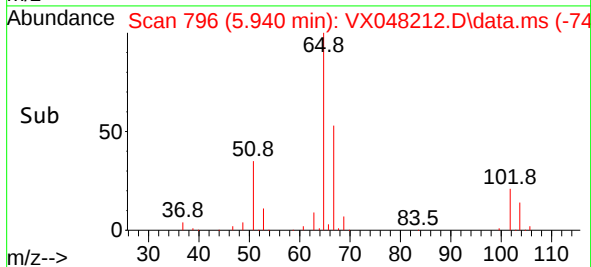
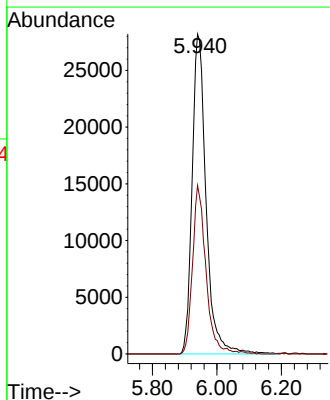
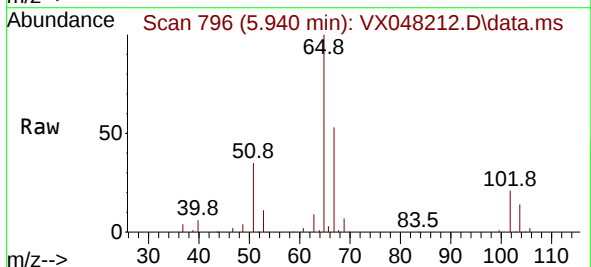


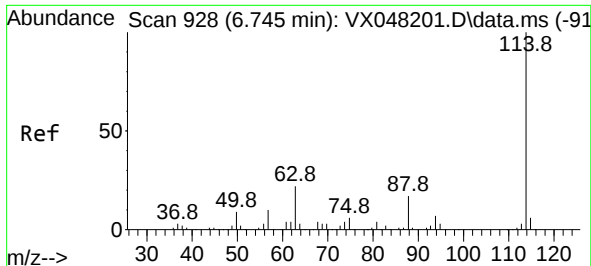
Tgt Ion: 56 Resp: 1948  
Ion Ratio Lower Upper  
56 100  
69 162.1 23.0 34.6#  
84 155.6 64.6 97.0#



#33  
1,2-Dichloroethane-d4  
Concen: 54.108 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

Tgt Ion: 65 Resp: 84980  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 105.0

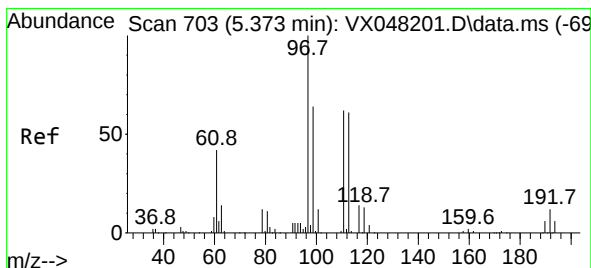
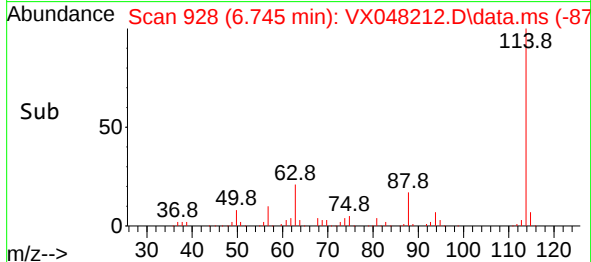
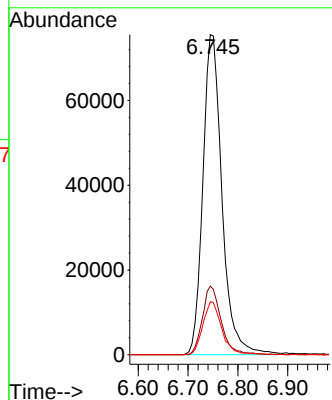
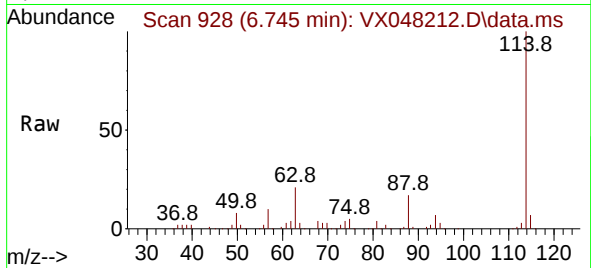




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.745 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

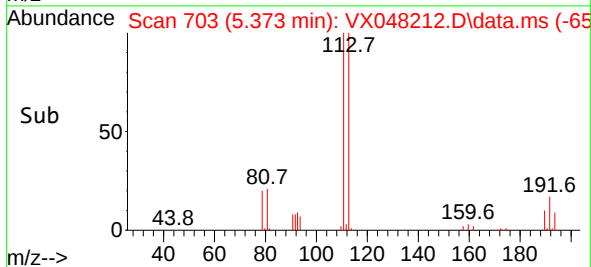
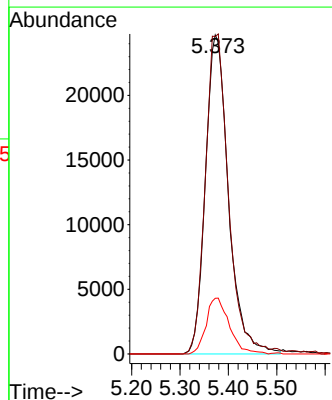
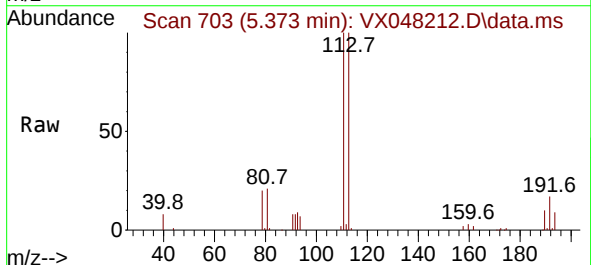
Instrument :  
MSVOA\_X  
ClientSampleId :

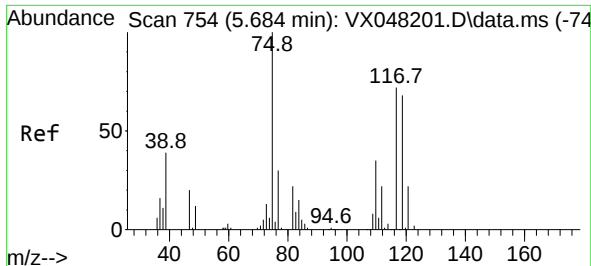
Tgt Ion:114 Resp: 201098  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 43.2  
88 16.6 0.0 33.6



#35  
Dibromofluoromethane  
Concen: 58.514 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

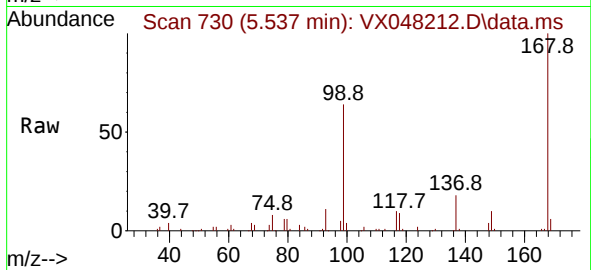
Tgt Ion:113 Resp: 81667  
Ion Ratio Lower Upper  
113 100  
111 100.6 82.2 123.4  
192 17.6 15.1 22.7



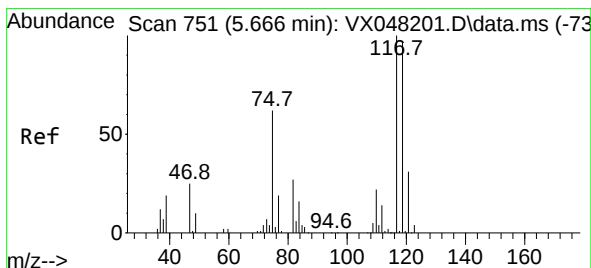
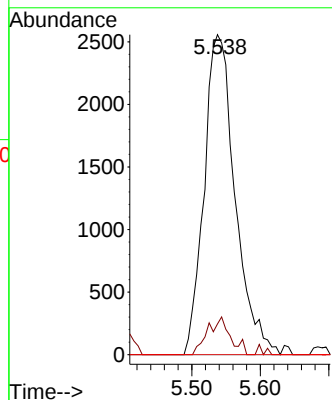
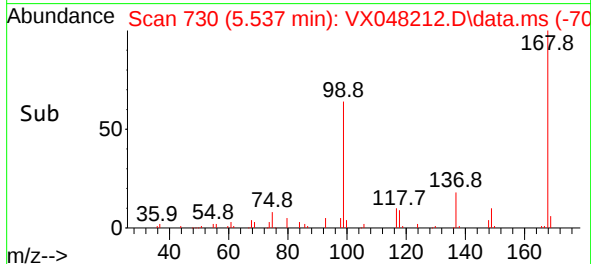


#36  
1,1-Dichloropropene  
Concen: 4.083 ug/l  
RT: 5.537 min Scan# 711  
Delta R.T. -0.146 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

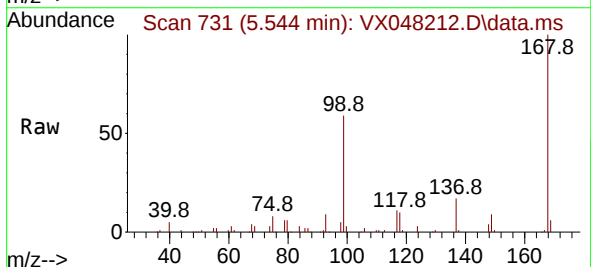
Instrument :  
MSVOA\_X  
ClientSampleId :



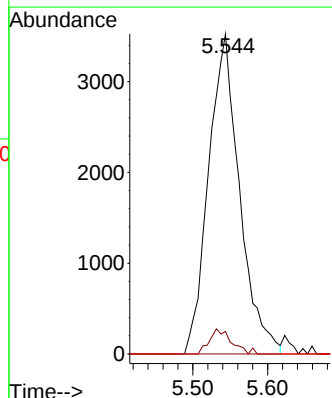
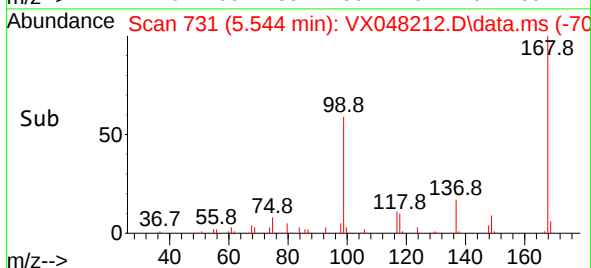
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Ion Ratio Lower Upper  
75 100  
110 8.6 17.7 53.1#  
77 0.0 24.3 36.5#

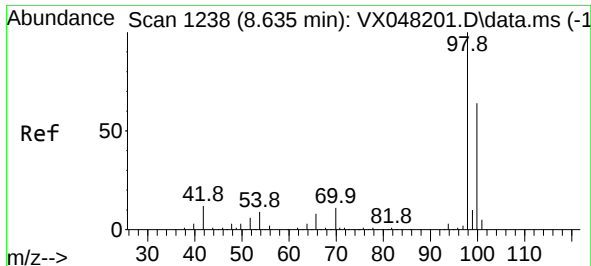


#38  
Carbon Tetrachloride  
Concen: 4.507 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.122 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11



Tgt Ion: 117 Resp: 10171  
Ion Ratio Lower Upper  
117 100  
119 7.0 77.2 115.8#  
121 0.0 24.8 37.2#

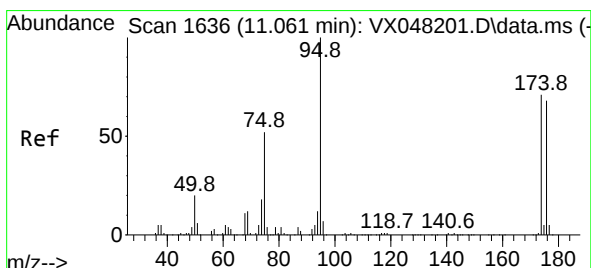
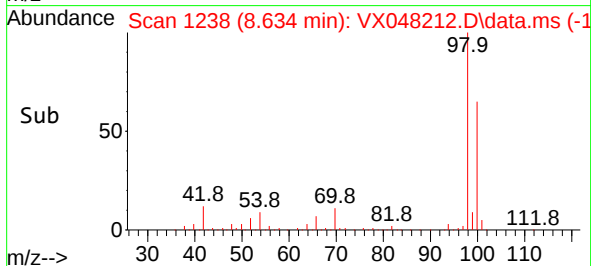
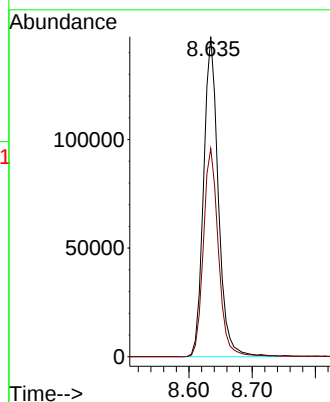
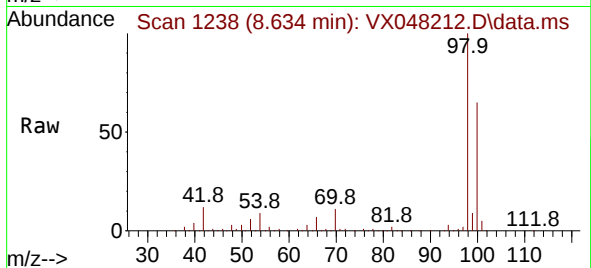




#50  
Toluene-d8  
Concen: 47.562 ug/l  
RT: 8.634 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

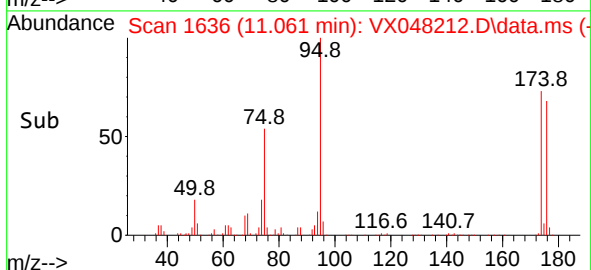
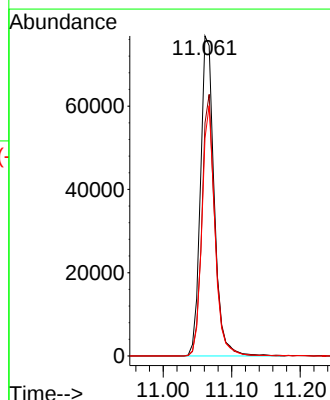
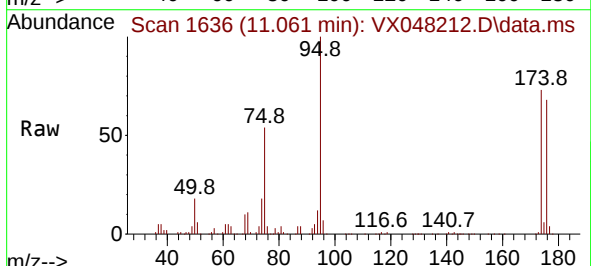
Instrument :  
MSVOA\_X  
ClientSampleId :

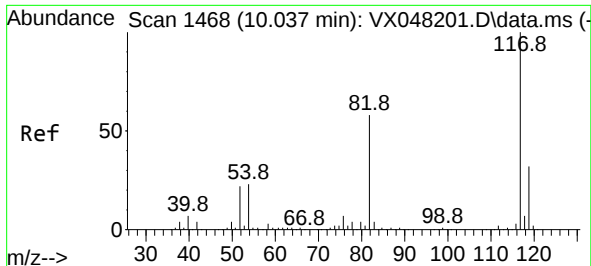
Tgt Ion: 98 Resp: 239145  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 58.320 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

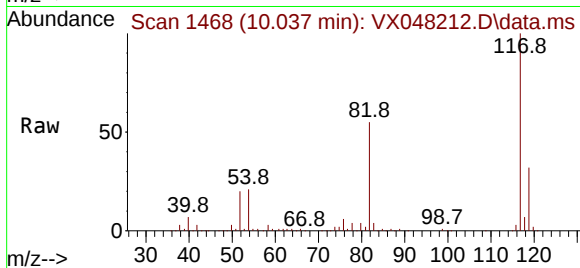
Tgt Ion: 95 Resp: 106803  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 147.8  
176 74.6 0.0 142.8



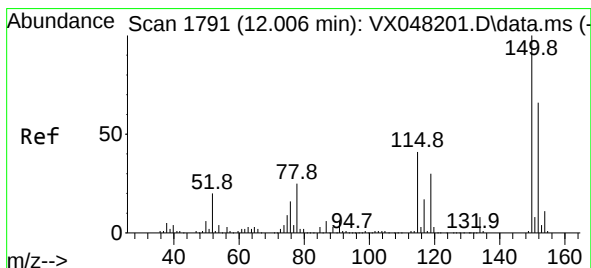
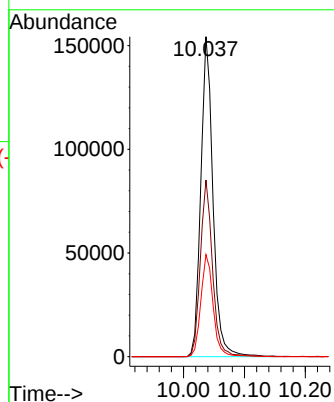
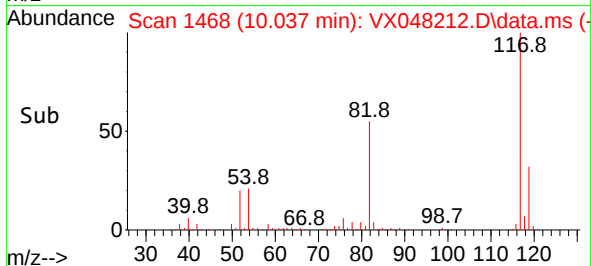


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

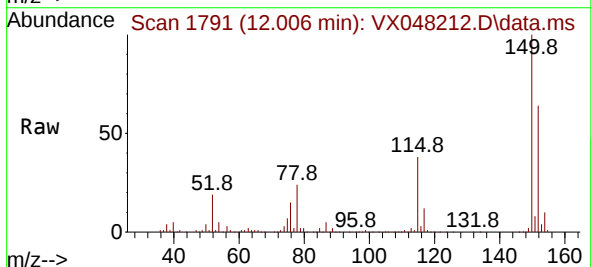
Instrument :  
MSVOA\_X  
ClientSampleId :



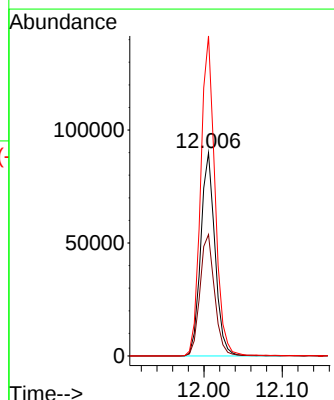
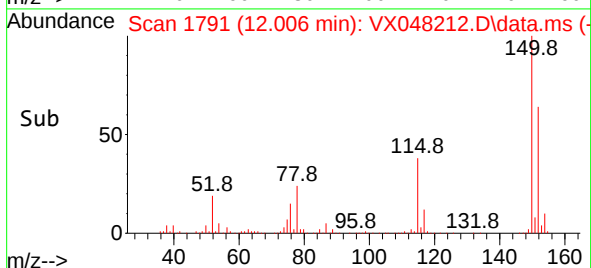
Tgt Ion:117 Resp: 214674  
Ion Ratio Lower Upper  
117 100  
82 55.2 46.5 69.7  
119 31.9 25.9 38.9

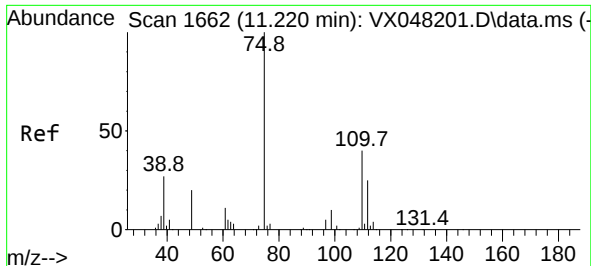


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11



Tgt Ion:152 Resp: 114293  
Ion Ratio Lower Upper  
152 100  
115 61.4 43.1 129.4  
150 157.9 0.0 353.0

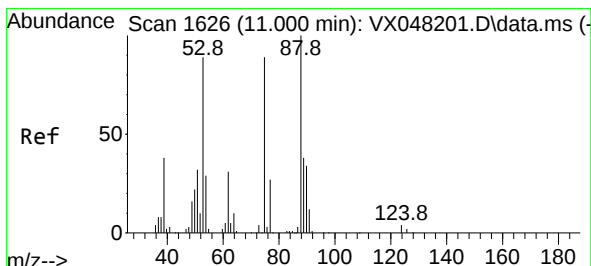
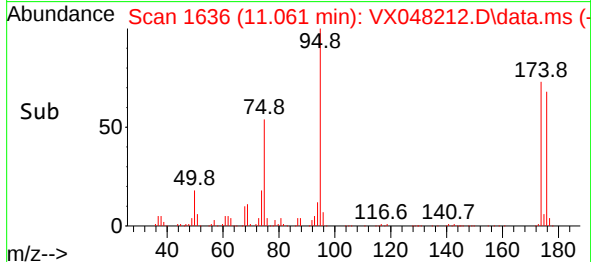
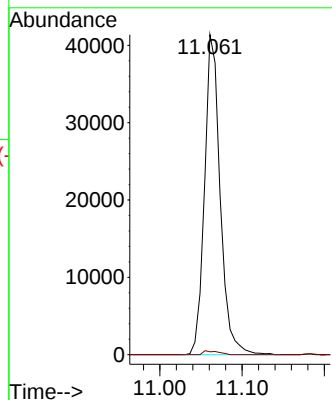
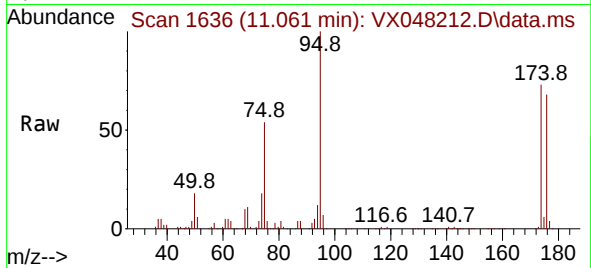




#76  
1,2,3-Trichloropropane  
Concen: 31.321 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.159 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

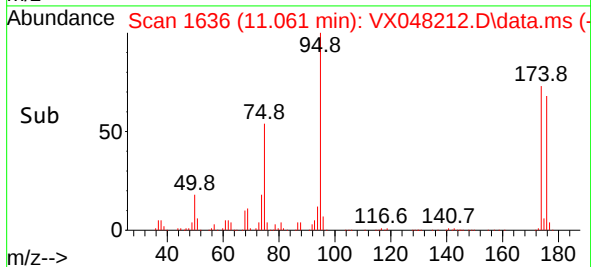
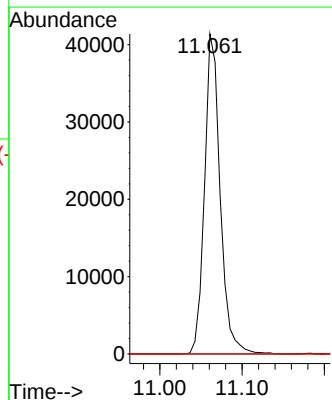
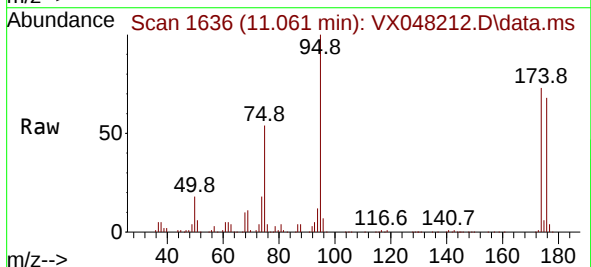
Instrument :  
MSVOA\_X  
ClientSampleId :

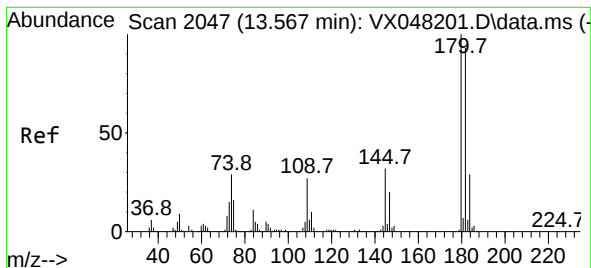
Tgt Ion: 75 Resp: 54665  
Ion Ratio Lower Upper  
75 100  
77 1.2 22.4 67.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.694 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.061 min  
Lab File: VX048212.D  
Acq: 17 Oct 2025 15:11

Tgt Ion: 75 Resp: 54665  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.5 119.3#  
89 0.0 36.8 55.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.254 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

Instrument :

MSVOA\_X

ClientSampleId :

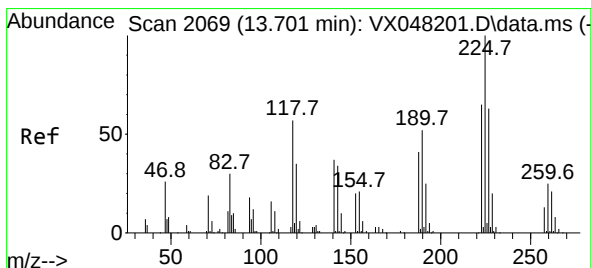
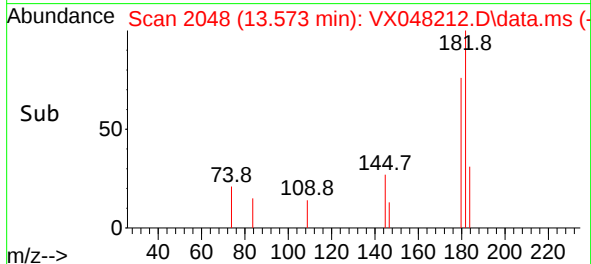
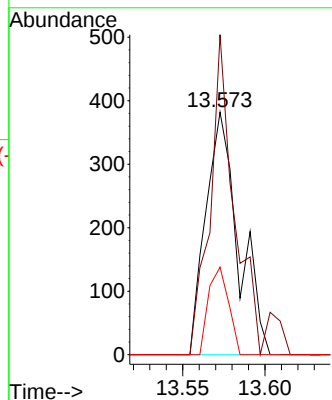
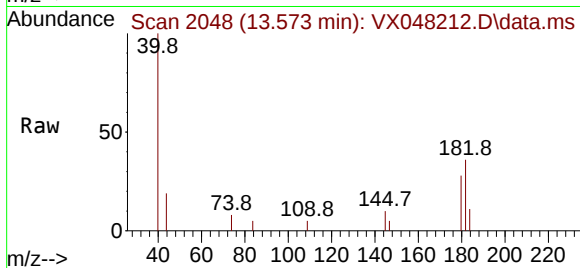
Tgt Ion:180 Resp: 527

Ion Ratio Lower Upper

180 100

182 105.7 47.3 142.0

145 22.2 16.3 48.9



#94

Hexachlorobutadiene

Concen: 0.677 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.006 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

Tgt Ion:225 Resp: 542

Ion Ratio Lower Upper

225 100

223 52.8 32.6 97.7

227 62.0 32.5 97.4

