

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061825\  
 Data File : VX046733.D  
 Acq On : 18 Jun 2025 11:50  
 Operator : JC/MD  
 Sample : Q2345-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB02-20250616

Quant Time: Jun 19 01:22:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 18 03:09:16 2025  
 Response via : Initial Calibration

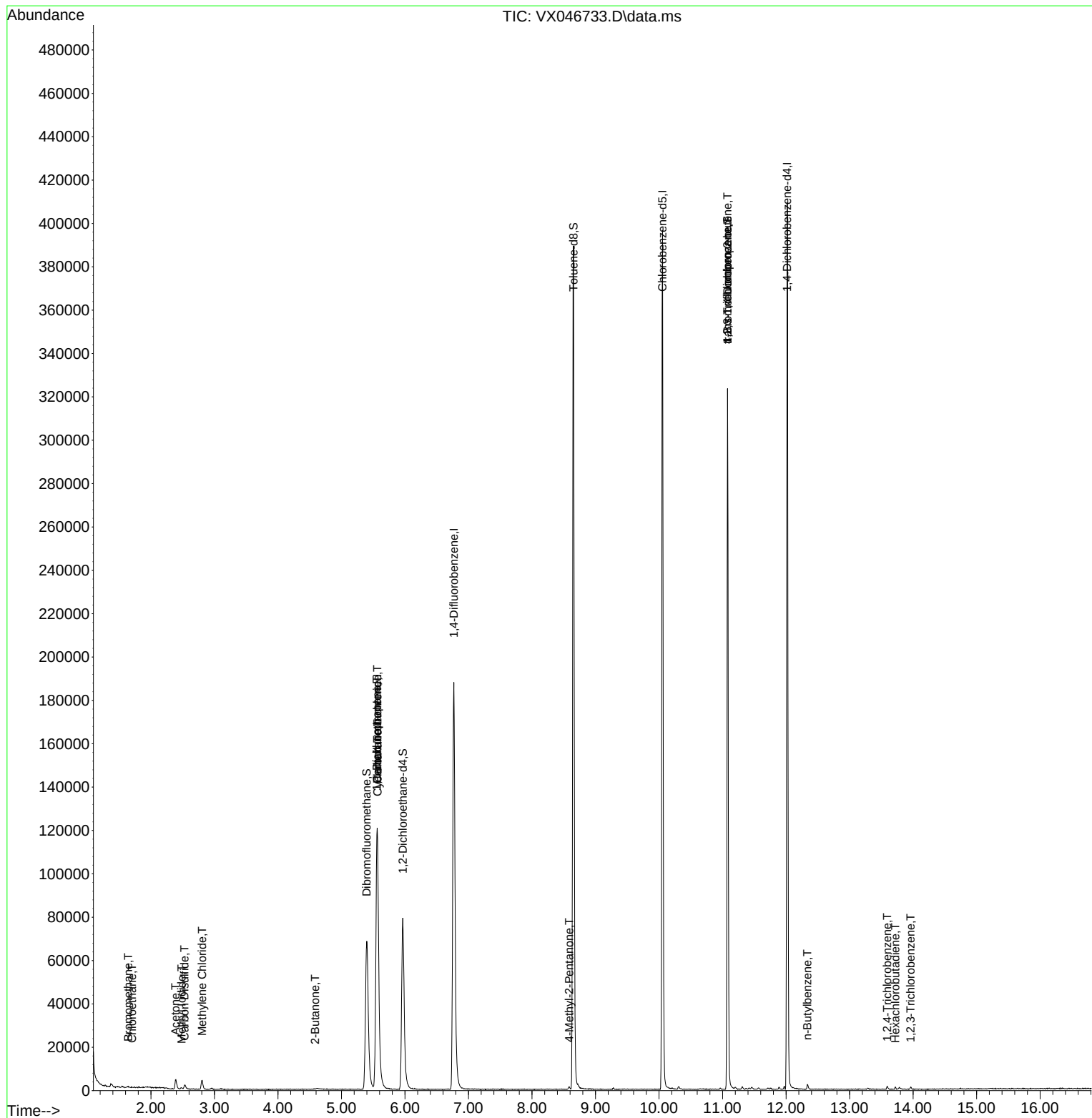
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 127087   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 205476   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 181736   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 85085    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 81967    | 46.629   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 93.260%  |
| 35) Dibromofluoromethane      | 5.397  | 113   | 66842    | 49.167   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 98.340%  |
| 50) Toluene-d8                | 8.653  | 98    | 239733   | 49.082   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 98.160%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 88006    | 48.336   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 96.680%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.642  | 94    | 346      | 0.394    | ug/l # | 4        |
| 6) Chloroethane               | 1.703  | 64    | 207      | 0.219    | ug/l # | 41       |
| 10) Methyl Iodide             | 2.483  | 142   | 712      | 4.691    | ug/l # | 85       |
| 16) Acetone                   | 2.386  | 43    | 5675     | 9.681    | ug/l   | 95       |
| 17) Carbon Disulfide          | 2.526  | 76    | 1235     | 0.291    | ug/l   | 98       |
| 20) Methylene Chloride        | 2.806  | 84    | 2101     | 1.289    | ug/l # | 87       |
| 25) 2-Butanone                | 4.587  | 43    | 244      | 0.294    | ug/l # | 50       |
| 31) Cyclohexane               | 5.568  | 56    | 2594     | 0.985    | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 9868     | 5.028    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 12739    | 5.981    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.586  | 43    | 835      | 0.494    | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 45296    | 29.067   | ug/l # | 41       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 45296    | 82.159   | ug/l # | 7        |
| 89) n-Butylbenzene            | 12.335 | 91    | 1175     | 0.218    | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 550      | 0.282    | ug/l   | 87       |
| 94) Hexachlorobutadiene       | 13.719 | 225   | 244      | 0.297    | ug/l   | 92       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 516      | 0.276    | ug/l # | 75       |
| -----                         |        |       |          |          |        |          |

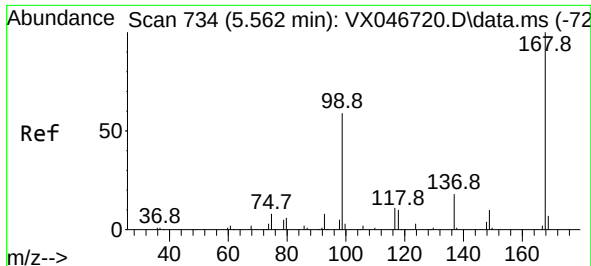
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jun 18 03:09:16 2025  
Response via : Initial Calibration

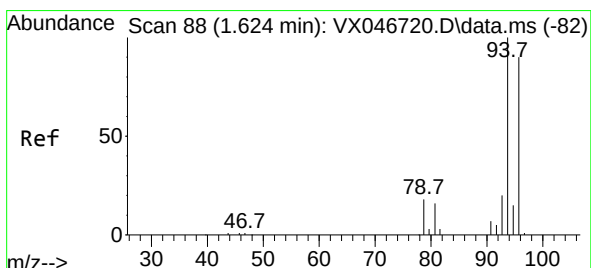
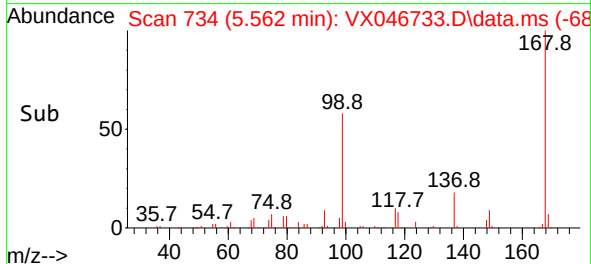
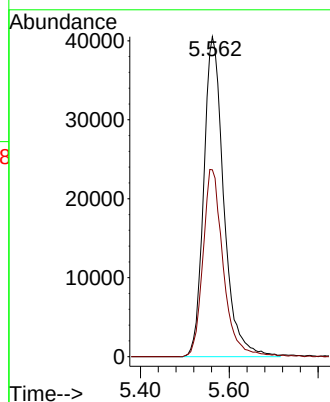
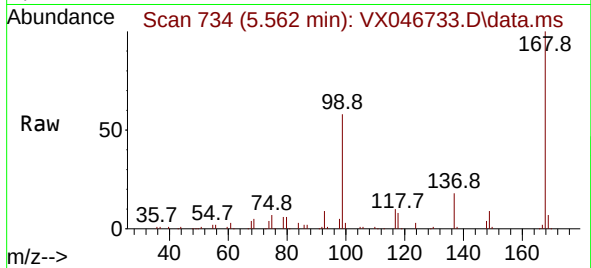




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

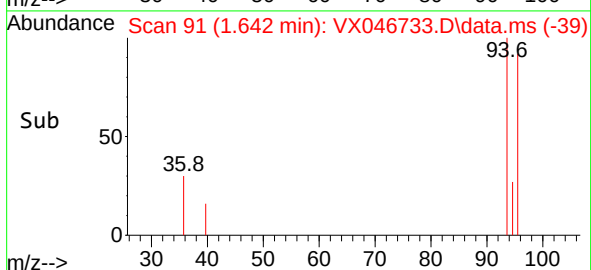
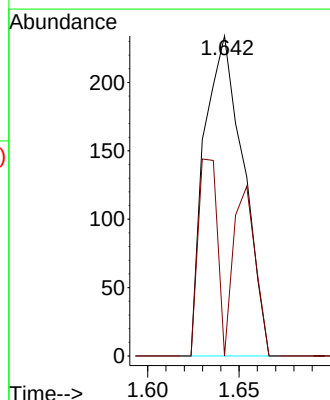
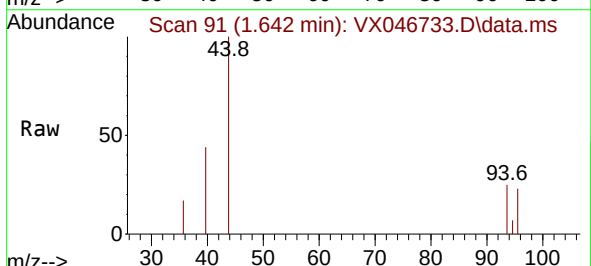
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

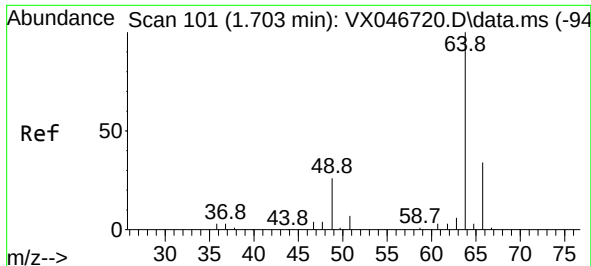
Tgt Ion:168 Resp: 127087  
Ion Ratio Lower Upper  
168 100  
99 58.4 48.5 72.7



#5  
Bromomethane  
Concen: 0.394 ug/l  
RT: 1.642 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 94 Resp: 346  
Ion Ratio Lower Upper  
94 100  
96 0.0 72.3 108.5#

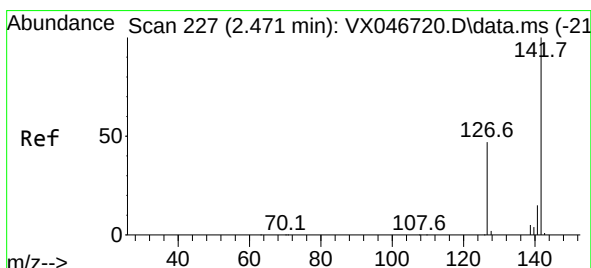
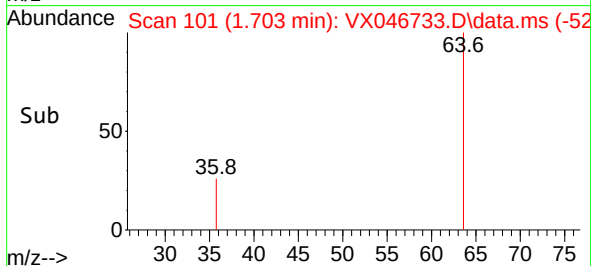
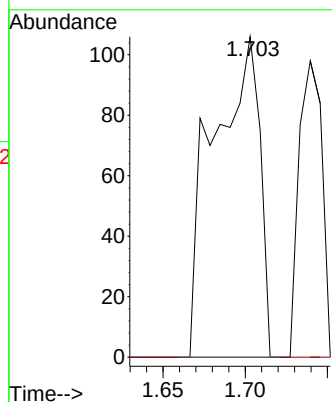
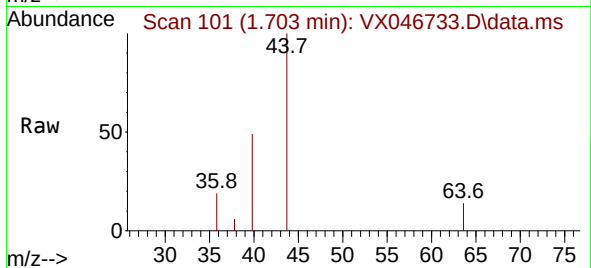




#6  
Chloroethane  
Concen: 0.219 ug/l  
RT: 1.703 min Scan# 101  
Delta R.T. -0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

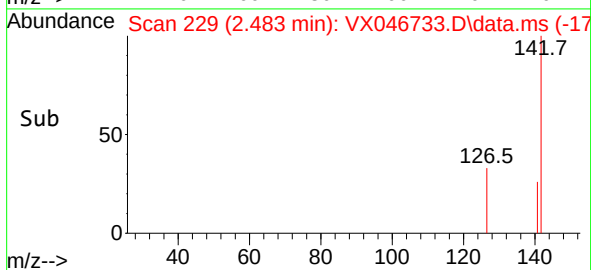
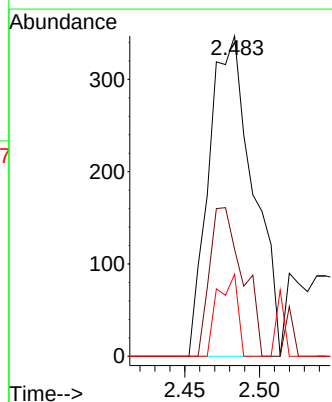
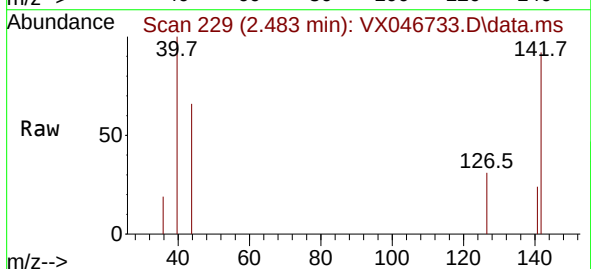
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

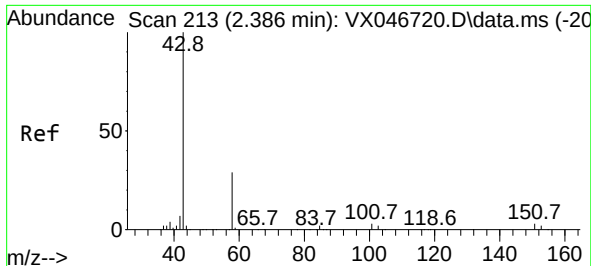
Tgt Ion: 64 Resp: 207  
Ion Ratio Lower Upper  
64 100  
66 0.0 27.1 40.7#



#10  
Methyl Iodide  
Concen: 4.691 ug/l  
RT: 2.483 min Scan# 229  
Delta R.T. 0.012 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 142 Resp: 712  
Ion Ratio Lower Upper  
142 100  
127 34.7 37.0 55.6#  
141 11.7 11.5 17.3

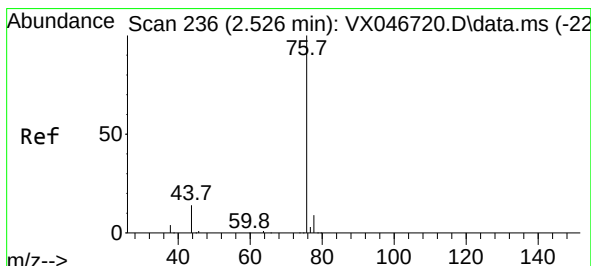
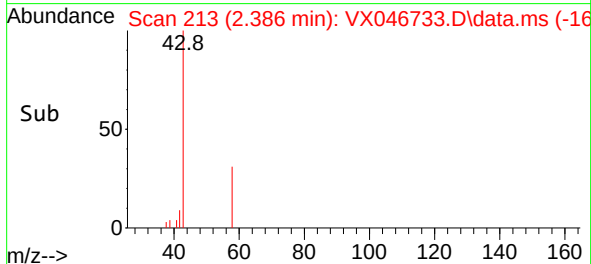
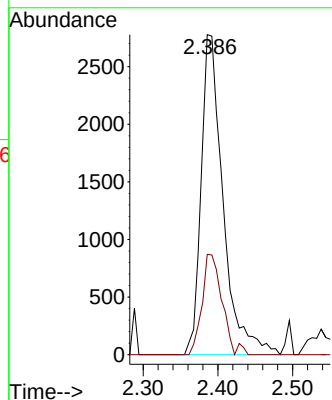
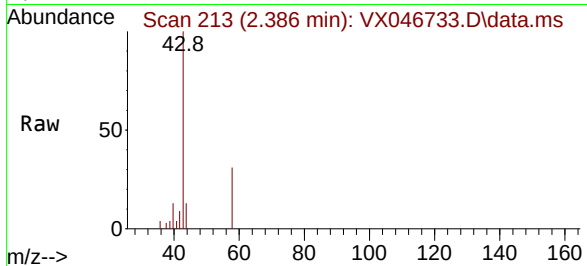




#16  
Acetone  
Concen: 9.681 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

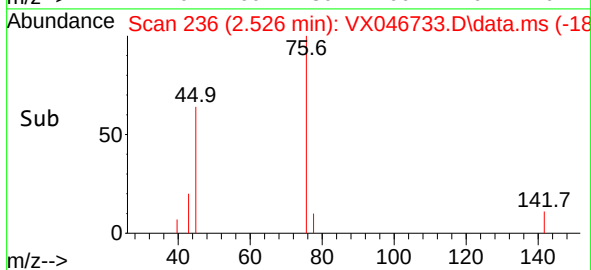
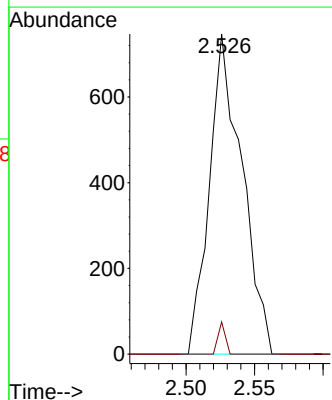
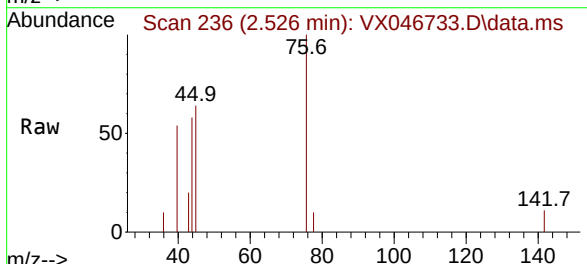
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

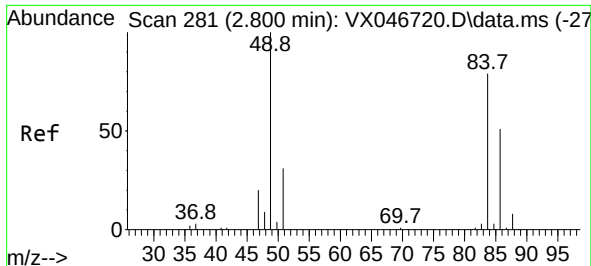
Tgt Ion: 43 Resp: 5675  
Ion Ratio Lower Upper  
43 100  
58 27.8 24.5 36.7



#17  
Carbon Disulfide  
Concen: 0.291 ug/l  
RT: 2.526 min Scan# 236  
Delta R.T. -0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 76 Resp: 1235  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.5 11.3

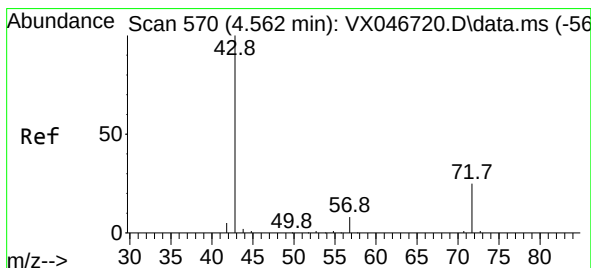
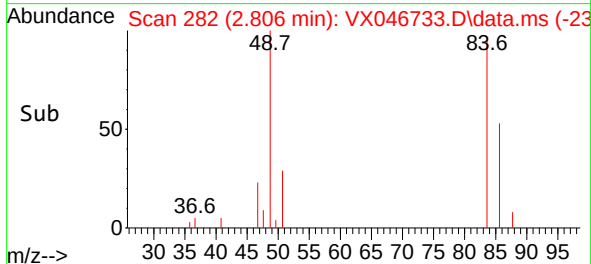
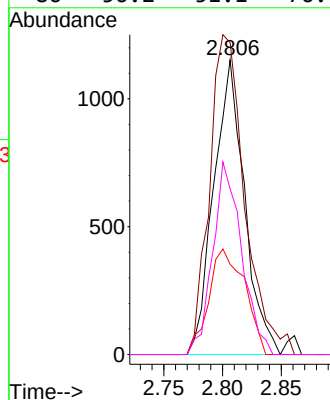
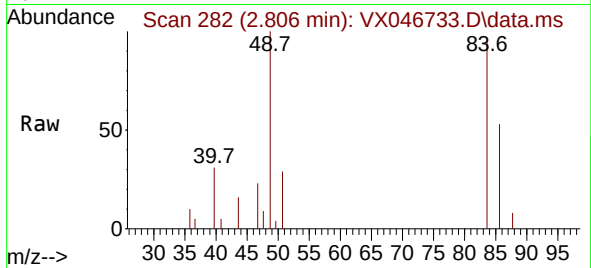




#20  
Methylene Chloride  
Concen: 1.289 ug/l  
RT: 2.806 min Scan# 210  
Delta R.T. 0.006 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

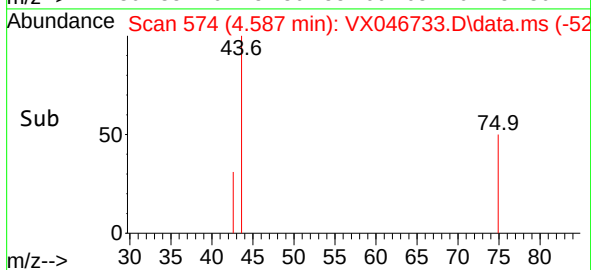
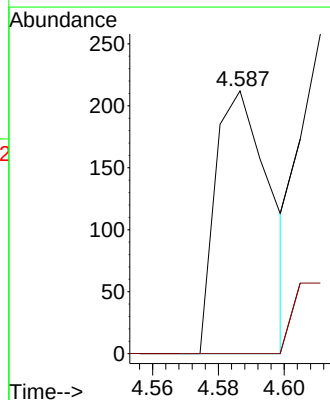
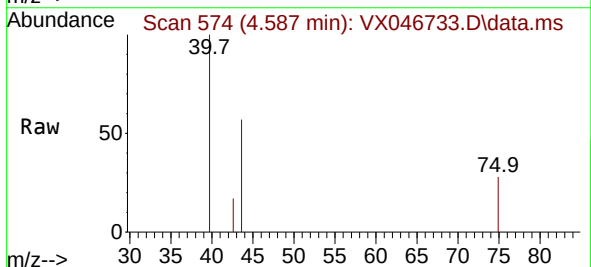
Instrument :  
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EB02-20250616

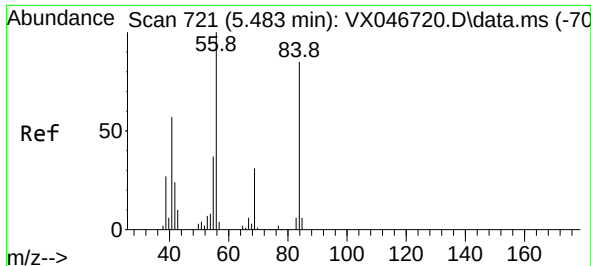
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2101  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.2 | 101.3 | 151.9 |
| 51       | 30.6  | 31.0  | 46.6# |
| 86       | 56.2  | 51.1  | 76.7  |



#25  
2-Butanone  
Concen: 0.294 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.024 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

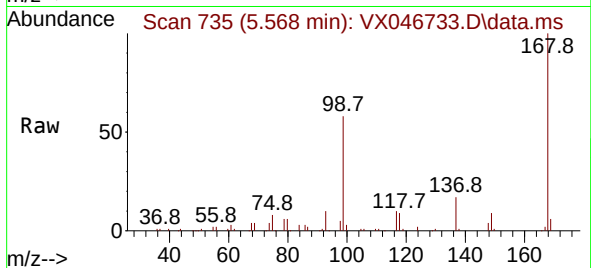
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 244   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 20.2  | 30.4# |



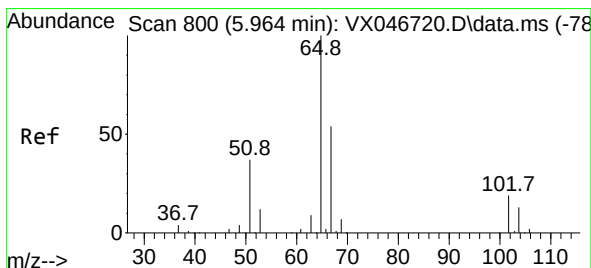
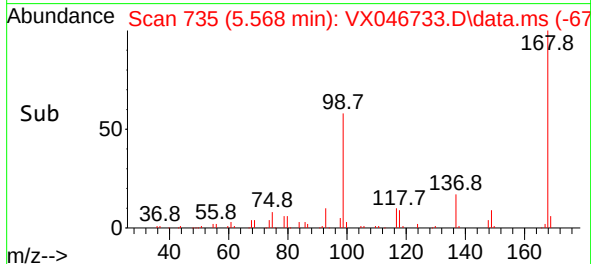
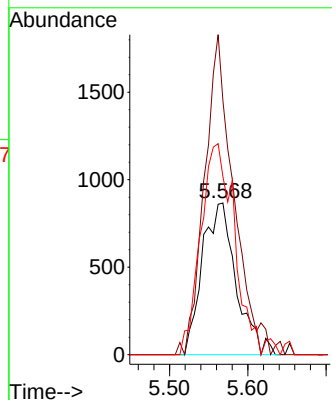


#31  
Cyclohexane  
Concen: 0.985 ug/l  
RT: 5.568 min Scan# 71  
Delta R.T. 0.085 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

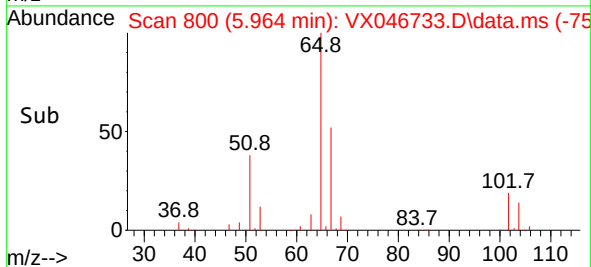
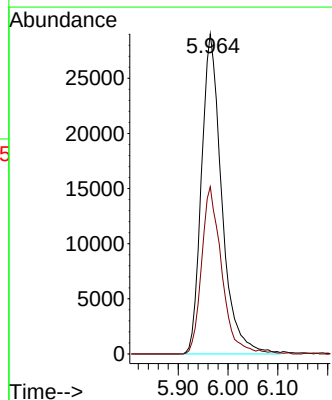
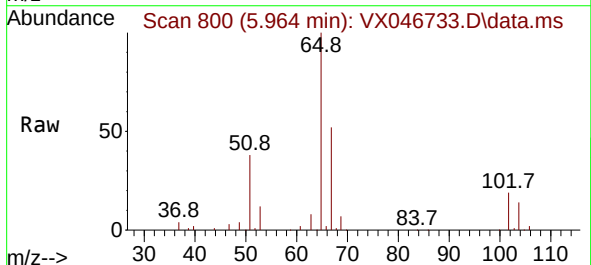


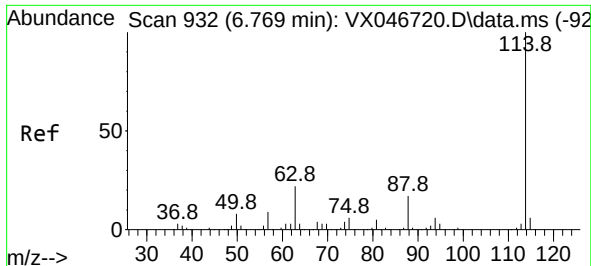
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Ion Ratio Lower Upper  
56 100  
69 159.5 24.8 37.2#  
84 117.4 68.2 102.2#



#33  
1,2-Dichloroethane-d4  
Concen: 46.629 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 65 Resp: 81967  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 105.4

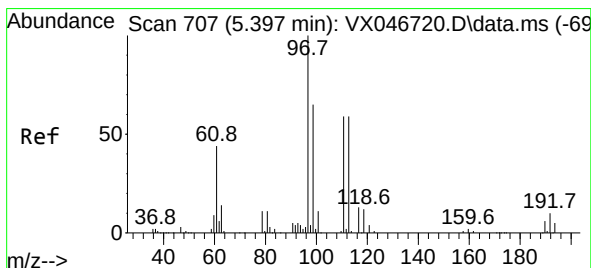
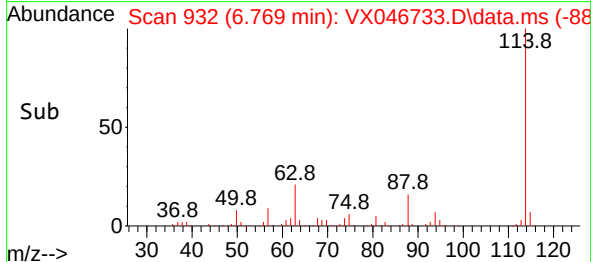
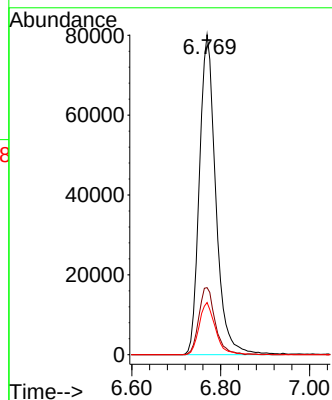
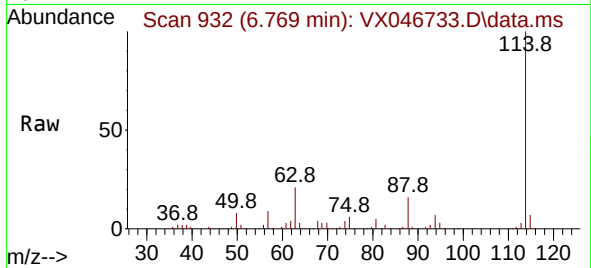




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

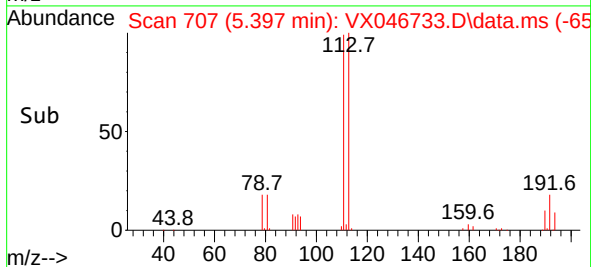
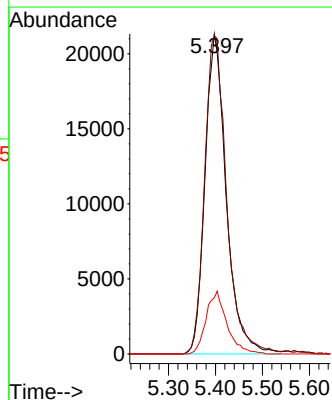
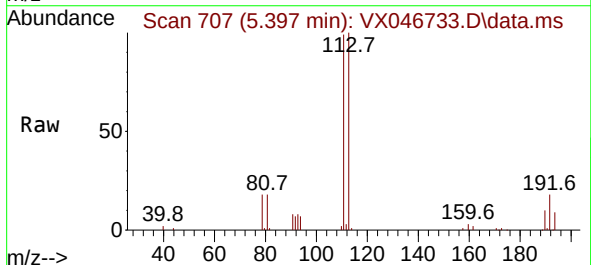
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

Tgt Ion:114 Resp: 205476  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 44.2  
88 16.3 0.0 33.2

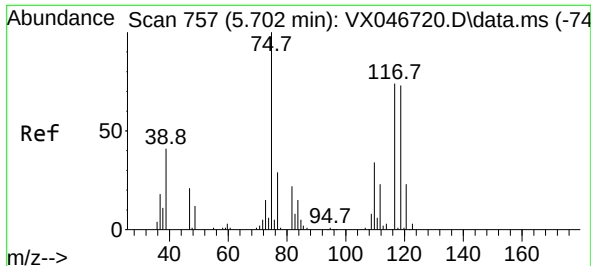


#35  
Dibromofluoromethane  
Concen: 49.167 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. -0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion:113 Resp: 66842  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.0 123.0  
192 19.2 15.3 22.9



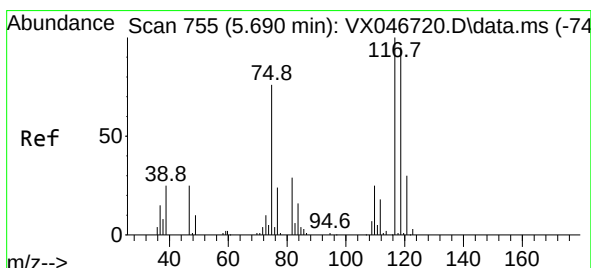
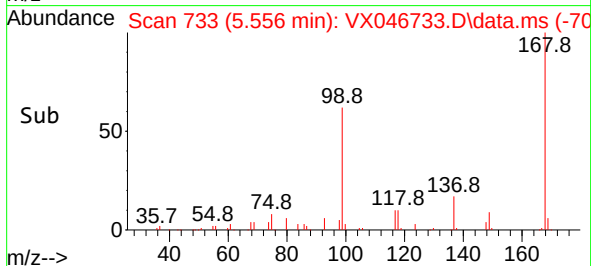
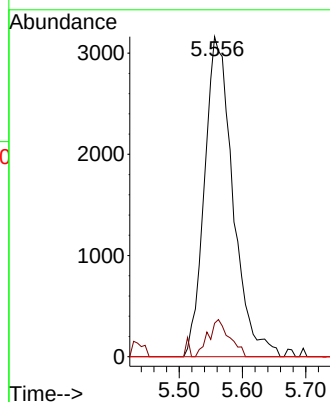
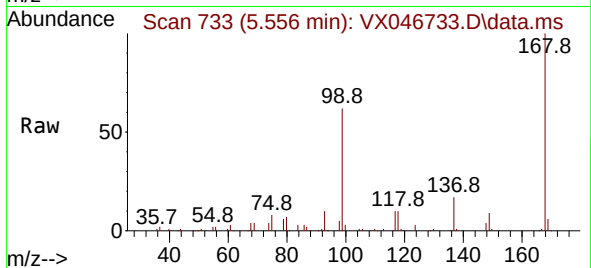




#36  
1,1-Dichloropropene  
Concen: 5.028 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.146 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

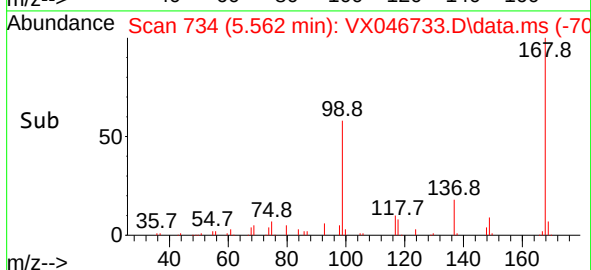
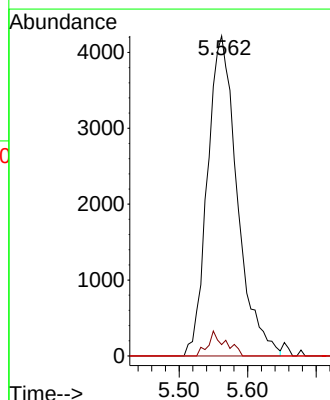
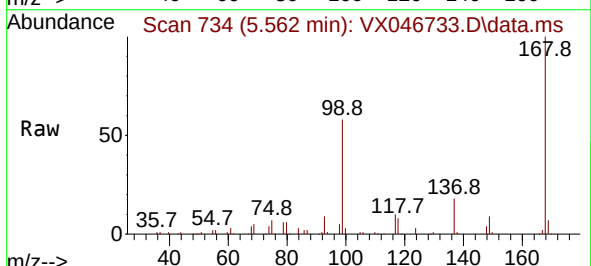
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

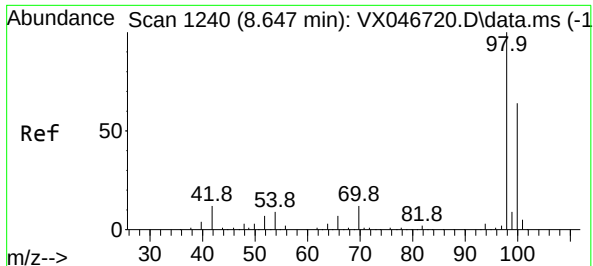
Tgt Ion: 75 Resp: 9868  
Ion Ratio Lower Upper  
75 100  
110 8.6 17.2 51.5#  
77 0.0 24.2 36.4#



#38  
Carbon Tetrachloride  
Concen: 5.981 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 117 Resp: 12739  
Ion Ratio Lower Upper  
117 100  
119 3.6 75.2 112.8#  
121 0.0 24.1 36.1#

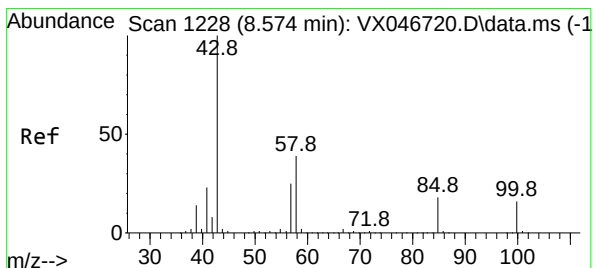
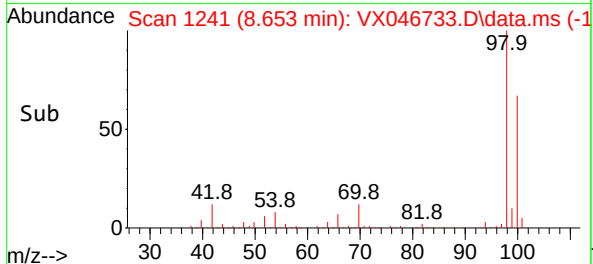
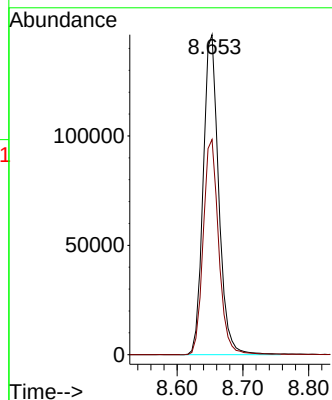
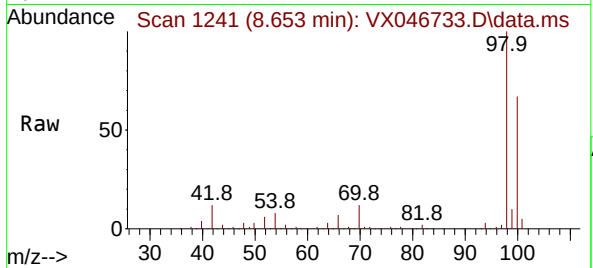




#50  
Toluene-d8  
Concen: 49.082 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

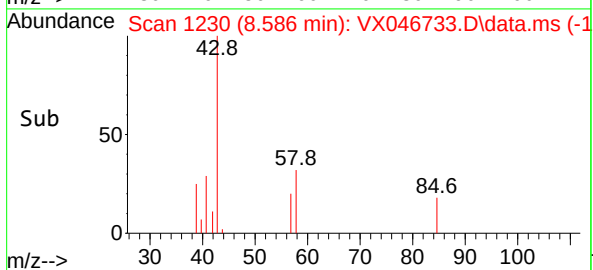
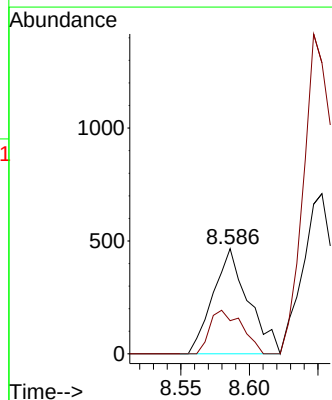
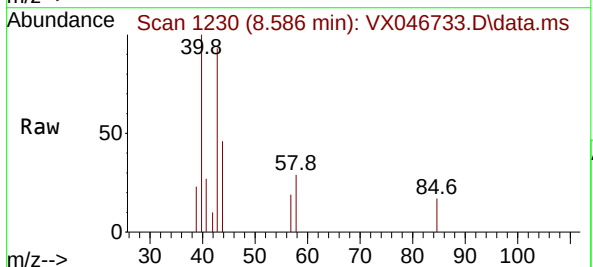
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

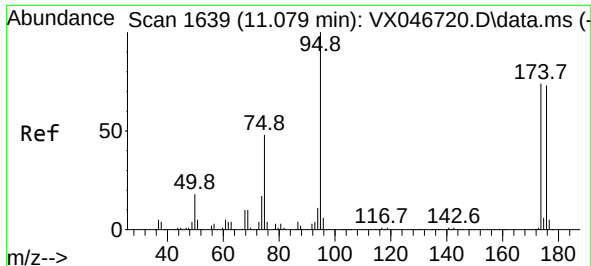
Tgt Ion: 98 Resp: 239733  
Ion Ratio Lower Upper  
98 100  
100 67.4 53.0 79.4



#51  
4-Methyl-2-Pentanone  
Concen: 0.494 ug/l  
RT: 8.586 min Scan# 1230  
Delta R.T. 0.012 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 43 Resp: 835  
Ion Ratio Lower Upper  
43 100  
58 37.7 30.8 46.2

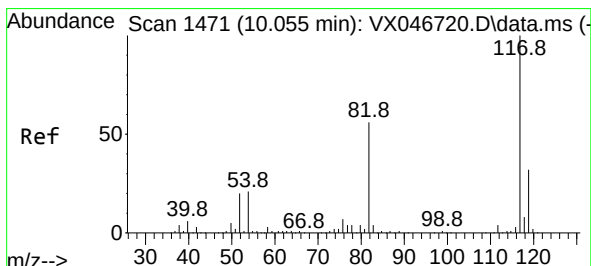
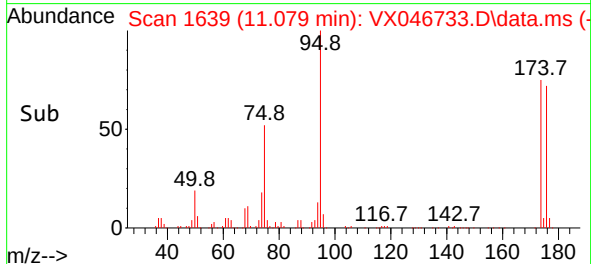
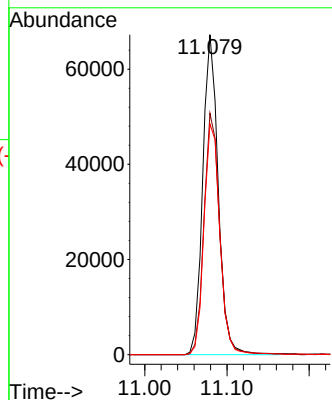
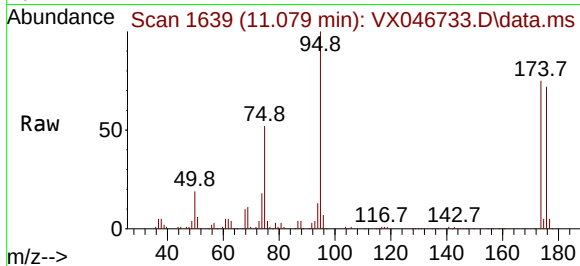




#62  
4-Bromofluorobenzene  
Concen: 48.336 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

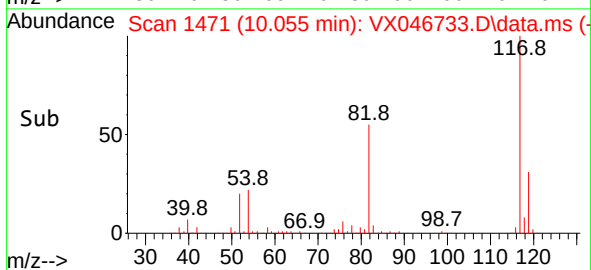
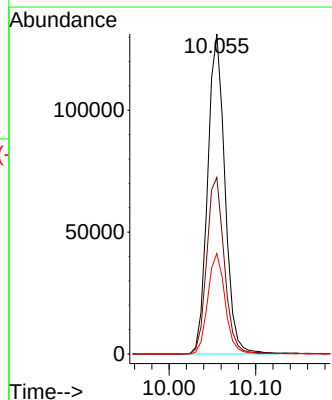
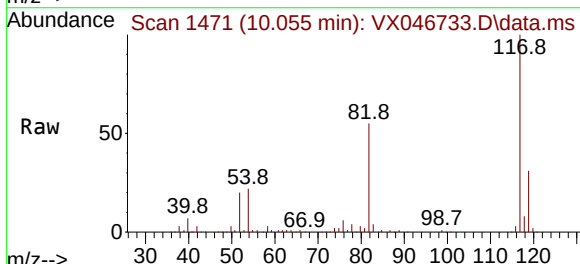
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

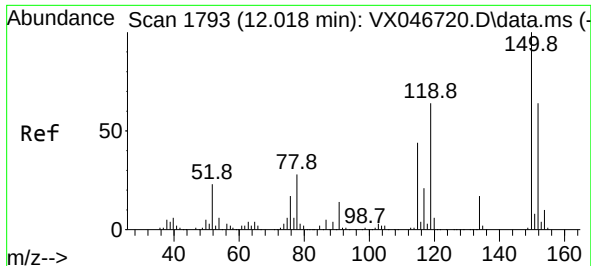
Tgt Ion: 95 Resp: 88006  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 150.4  
176 74.3 0.0 145.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 117 Resp: 181736  
Ion Ratio Lower Upper  
117 100  
82 55.1 44.6 66.8  
119 31.4 25.8 38.8

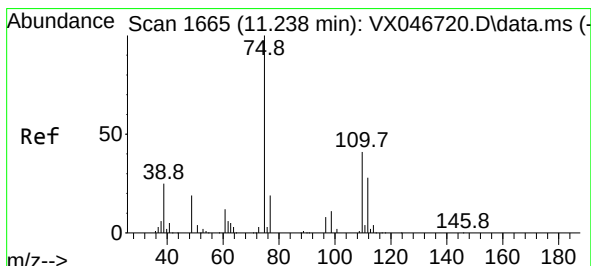
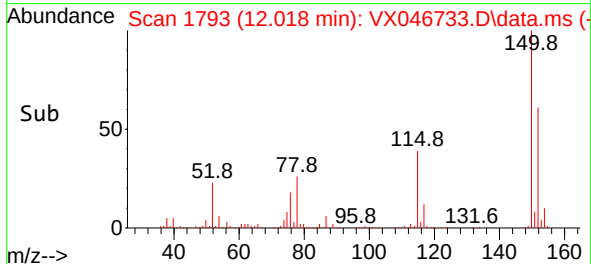
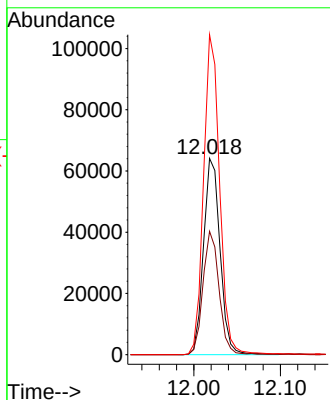
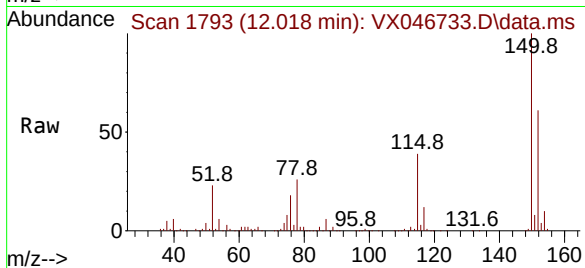




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

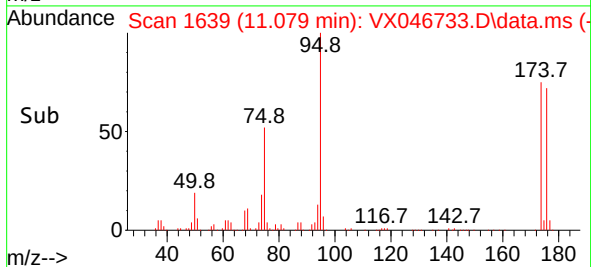
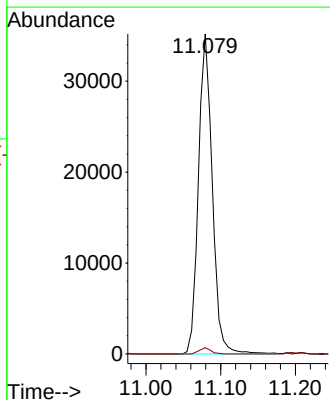
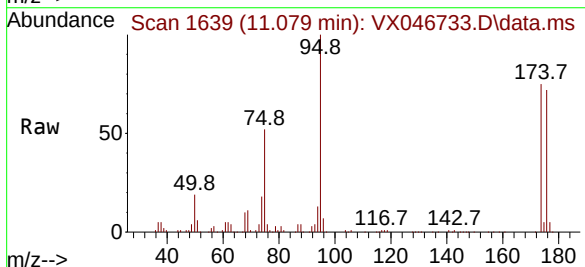
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

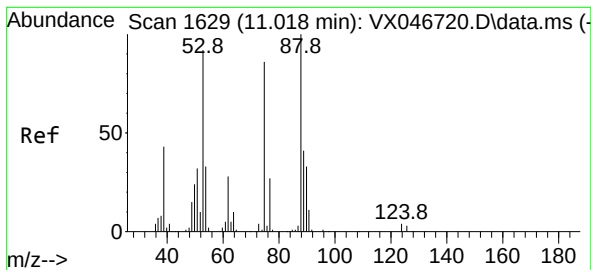
Tgt Ion:152 Resp: 85085  
Ion Ratio Lower Upper  
152 100  
115 61.3 43.2 129.6  
150 159.1 0.0 346.8



#76  
1,2,3-Trichloropropane  
Concen: 29.067 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 75 Resp: 45296  
Ion Ratio Lower Upper  
75 100  
77 1.6 18.5 55.5#

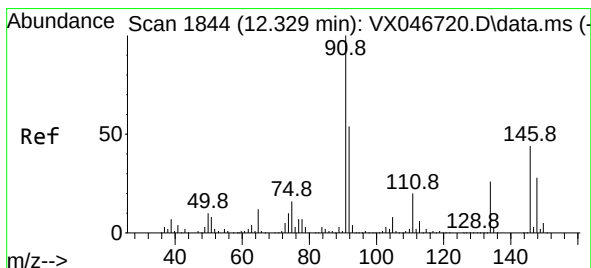
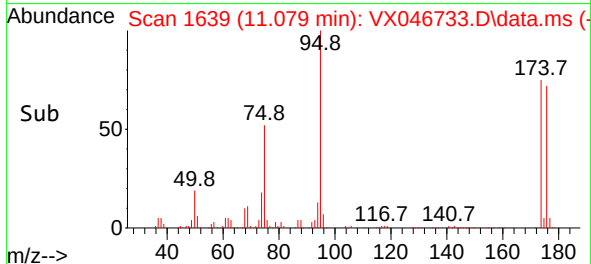
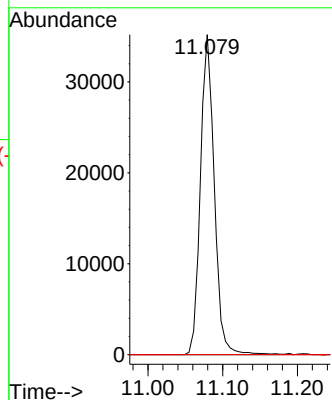
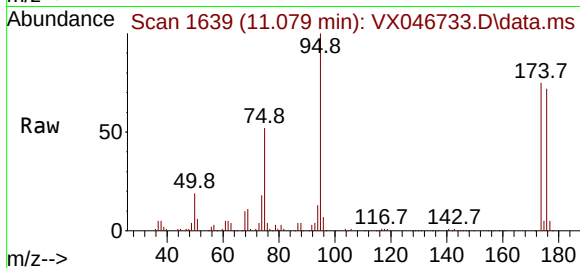




#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.159 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

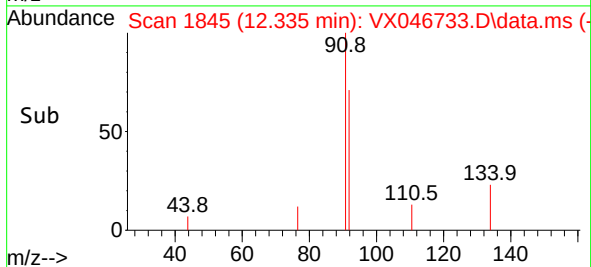
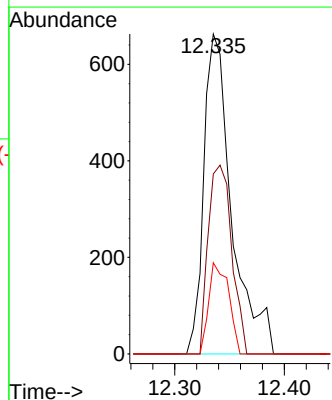
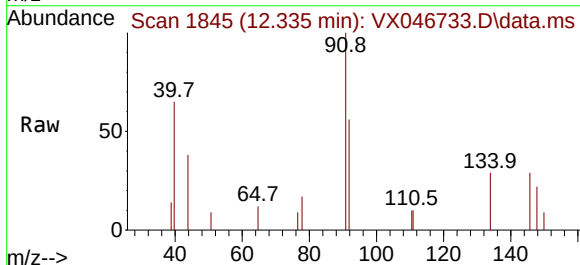
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-20250616

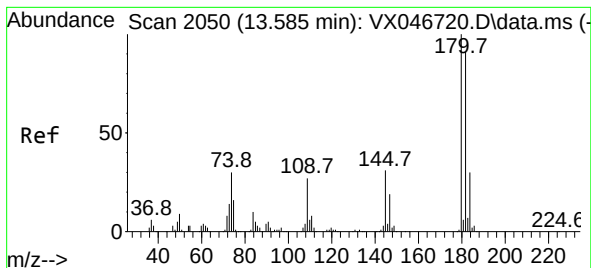
Tgt Ion: 75 Resp: 45296  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.8 130.2#  
89 0.0 36.9 55.3#



#89  
n-Butylbenzene  
Concen: 0.218 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VX046733.D  
Acq: 18 Jun 2025 11:50

Tgt Ion: 91 Resp: 1175  
Ion Ratio Lower Upper  
91 100  
92 49.6 27.1 81.3  
134 20.3 12.9 38.6





#93

1,2,4-Trichlorobenzene

Concen: 0.282 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX046733.D

Acq: 18 Jun 2025 11:50

Instrument :

MSVOA\_X

ClientSampleId :

EB02-20250616

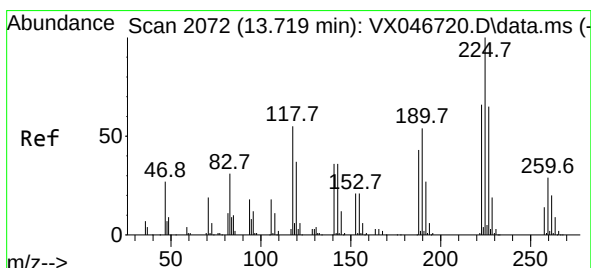
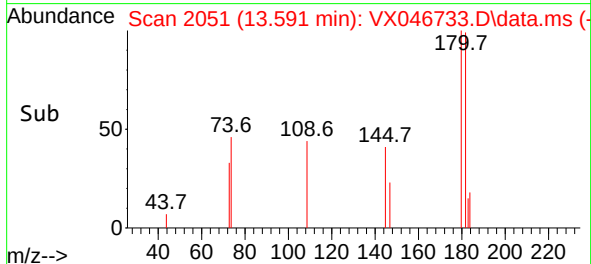
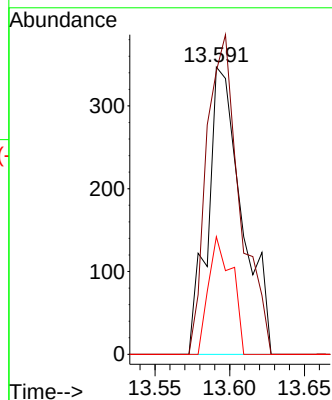
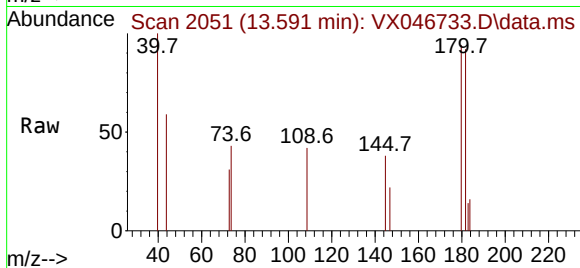
Tgt Ion:180 Resp: 550

Ion Ratio Lower Upper

180 100

182 108.4 46.7 140.1

145 28.2 15.8 47.4



#94

Hexachlorobutadiene

Concen: 0.297 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.000 min

Lab File: VX046733.D

Acq: 18 Jun 2025 11:50

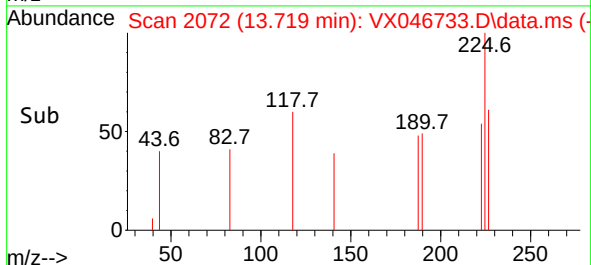
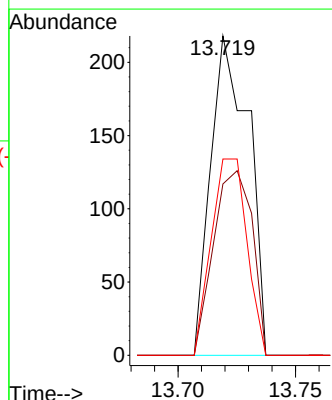
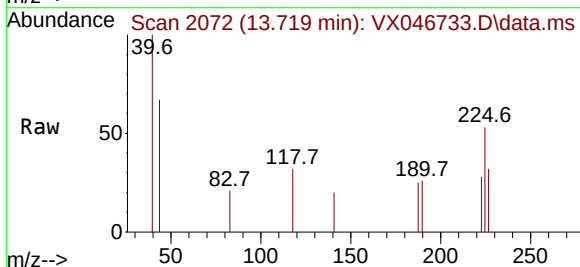
Tgt Ion:225 Resp: 244

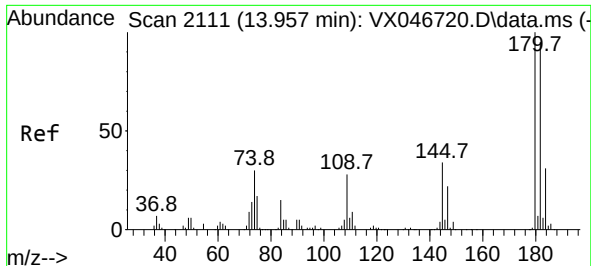
Ion Ratio Lower Upper

225 100

223 59.0 32.5 97.5

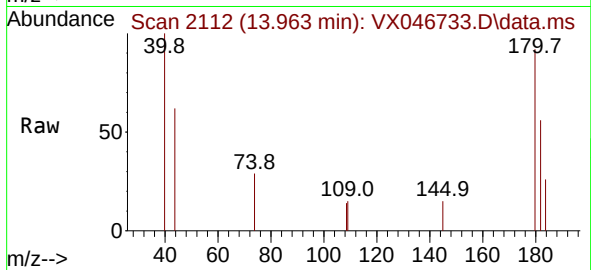
227 58.2 32.2 96.6





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.276 ug/l  
 RT: 13.963 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VX046733.D  
 Acq: 18 Jun 2025 11:50

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB02-20250616



Tgt Ion:180 Resp: 516  
 Ion Ratio Lower Upper  
 180 100  
 182 77.9 47.8 143.4  
 145 10.1 17.3 51.9#

