

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100725\  
 Data File : VX048048.D  
 Acq On : 07 Oct 2025 13:23  
 Operator : JC/MD  
 Sample : Q3298-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 08 01:27:41 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

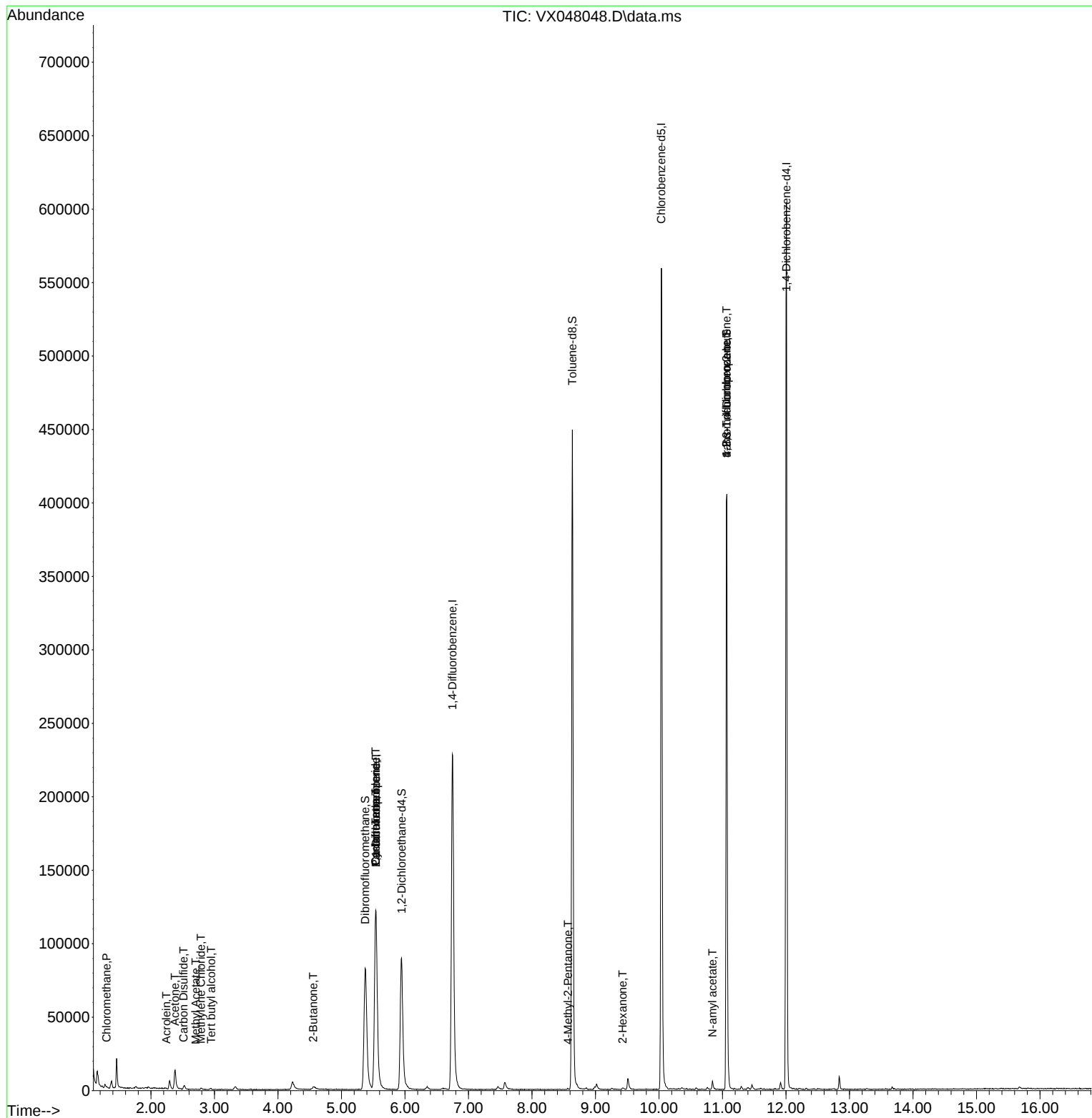
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 122944   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.745  | 114   | 248523   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 257016   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 125514   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 97539    | 49.842   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 99.680%  |
| 35) Dibromofluoromethane      | 5.373  | 113   | 80909    | 48.544   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 97.080%  |
| 50) Toluene-d8                | 8.635  | 98    | 273842   | 47.482   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 94.960%  |
| 62) 4-Bromofluorobenzene      | 11.061 | 95    | 118749   | 54.254   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 108.500% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.301  | 50    | 418      | 0.250    | ug/l   | 90       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 151      | 0.693    | ug/l # | 72       |
| 13) Acrolein                  | 2.240  | 56    | 120      | 0.597    | ug/l # | 1        |
| 16) Acetone                   | 2.380  | 43    | 17242    | 20.263   | ug/l   | 93       |
| 17) Carbon Disulfide          | 2.514  | 76    | 1074     | 0.269    | ug/l # | 76       |
| 18) Methyl Acetate            | 2.703  | 43    | 697      | 0.368    | ug/l # | 54       |
| 20) Methylene Chloride        | 2.788  | 84    | 494      | 0.274    | ug/l # | 76       |
| 25) 2-Butanone                | 4.556  | 43    | 4238     | 3.993    | ug/l   | 91       |
| 31) Cyclohexane               | 5.538  | 56    | 2752     | 1.064    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 11097    | 4.556    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.538  | 117   | 12997    | 4.912    | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43    | 646      | 0.272    | ug/l   | 97       |
| 59) 2-Hexanone                | 9.427  | 43    | 941      | 0.553    | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43    | 1031     | 0.237    | ug/l # | 21       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 60857    | 23.947   | ug/l # | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 60857    | 61.070   | ug/l # | 8        |
| -----                         |        |       |          |          |        |          |

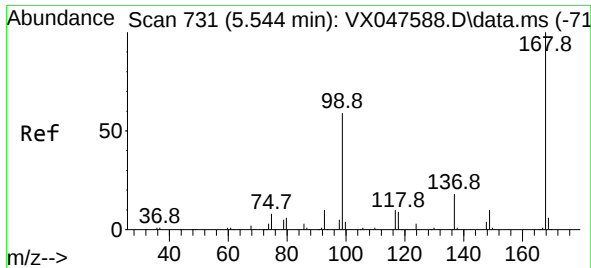
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100725\  
Data File : VX048048.D  
Acq On : 07 Oct 2025 13:23  
Operator : JC/MD  
Sample : Q3298-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

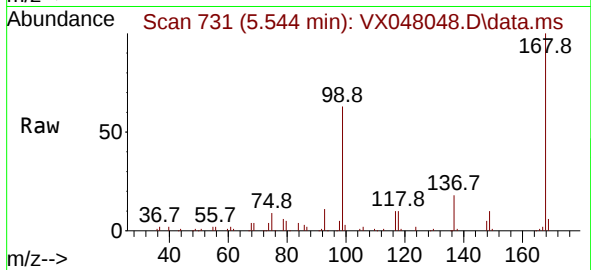
Quant Time: Oct 08 01:27:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration



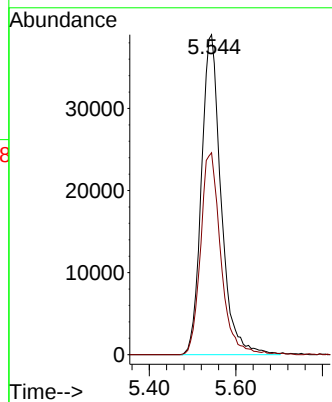
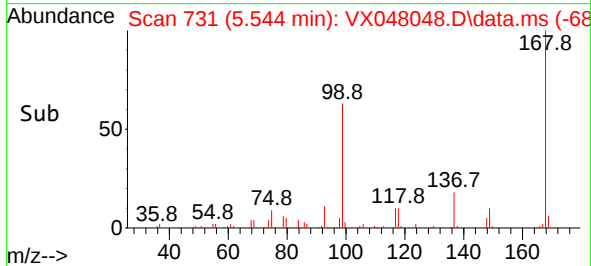


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Instrument :  
MSVOA\_X  
ClientSampleId :

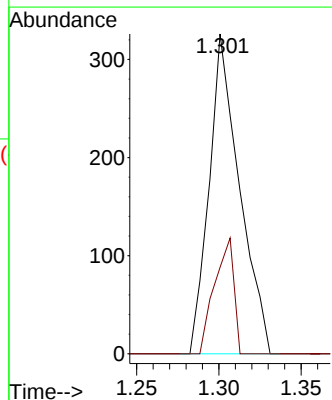
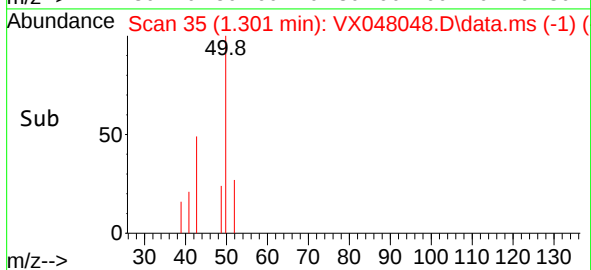
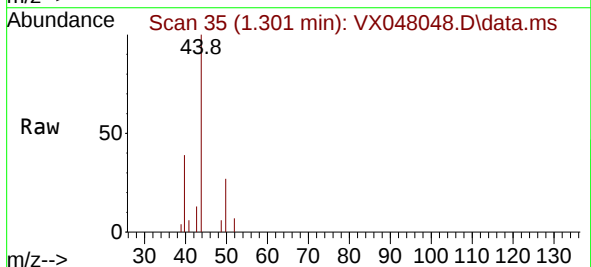


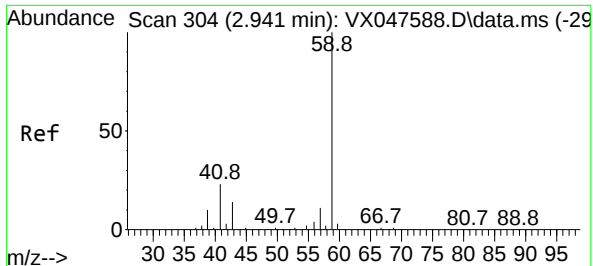
Tgt Ion:168 Resp: 122944  
Ion Ratio Lower Upper  
168 100  
99 63.1 48.8 73.2



#3  
Chloromethane  
Concen: 0.250 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.000 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Tgt Ion: 50 Resp: 418  
Ion Ratio Lower Upper  
50 100  
52 27.0 26.1 39.1





#11

Tert butyl alcohol

Concen: 0.693 ug/l

RT: 2.947 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

Instrument :

MSVOA\_X

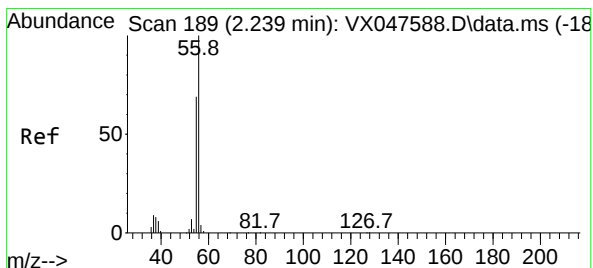
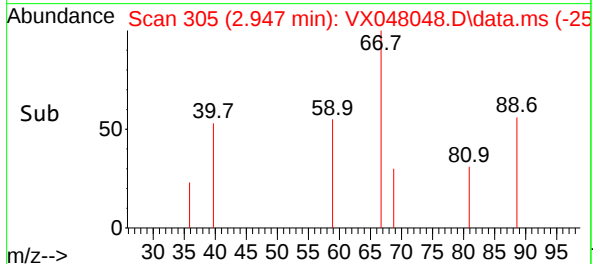
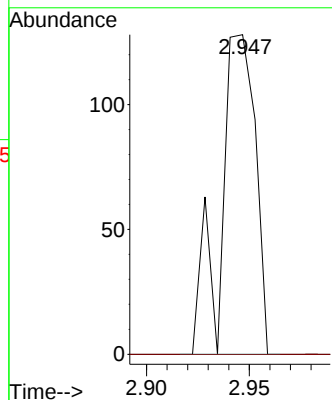
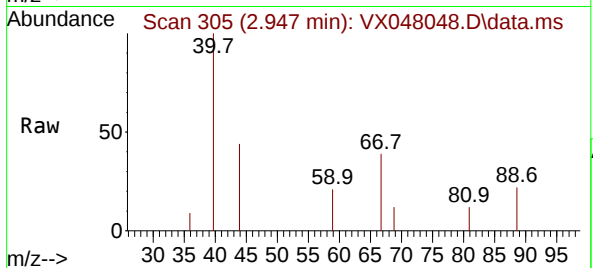
ClientSampleId :

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.597 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX048048.D

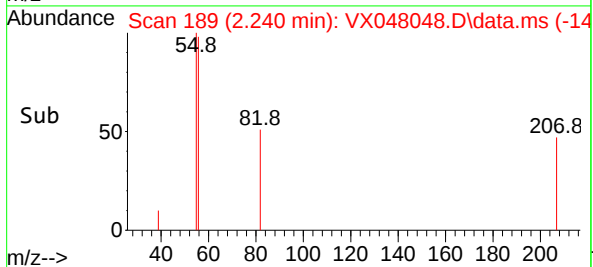
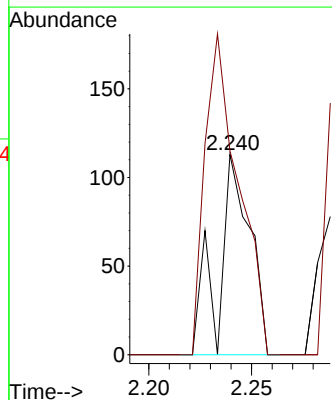
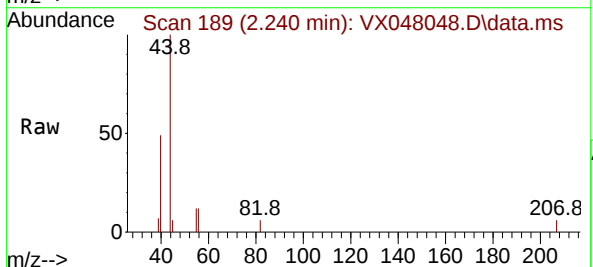
Acq: 07 Oct 2025 13:23

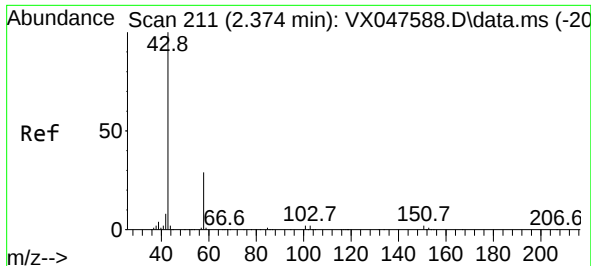
Tgt Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 172.5 57.2 85.8#

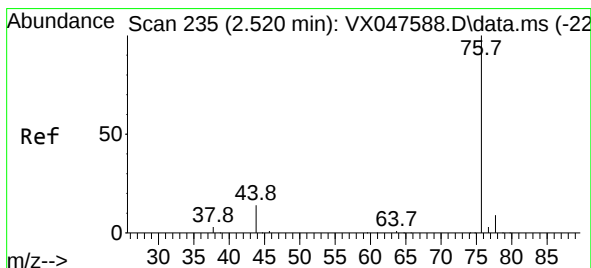
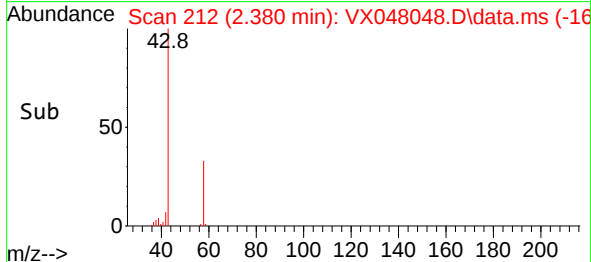
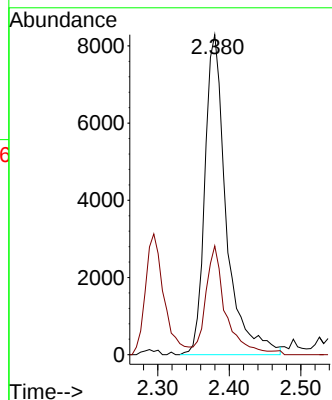
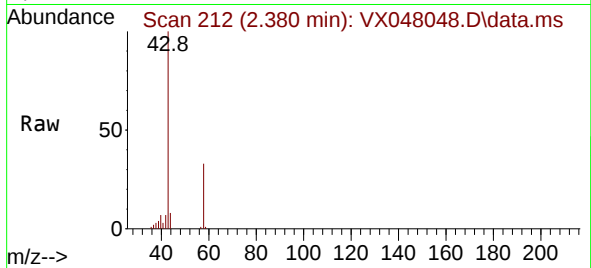




#16  
Acetone  
Concen: 20.263 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

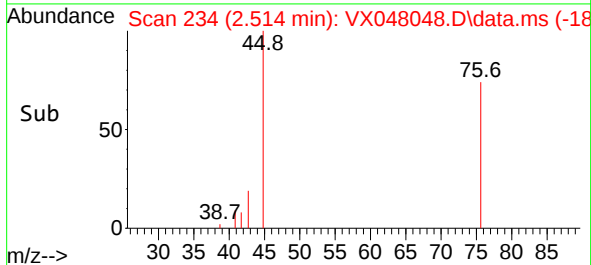
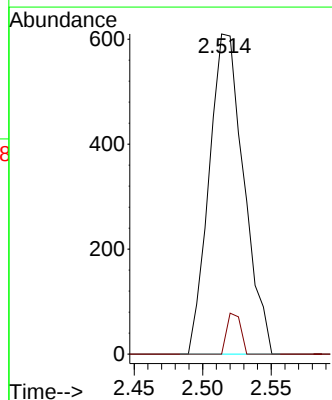
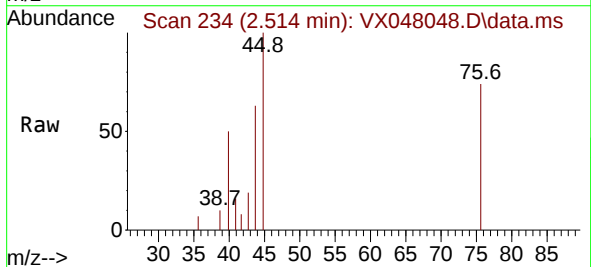
Instrument :  
MSVOA\_X  
ClientSampleId :

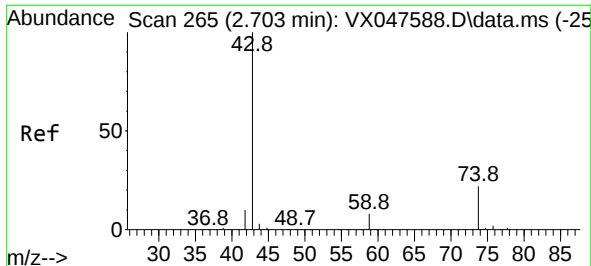
Tgt Ion: 43 Resp: 17242  
Ion Ratio Lower Upper  
43 100  
58 32.8 23.4 35.0



#17  
Carbon Disulfide  
Concen: 0.269 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.006 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Tgt Ion: 76 Resp: 1074  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.8 10.2#

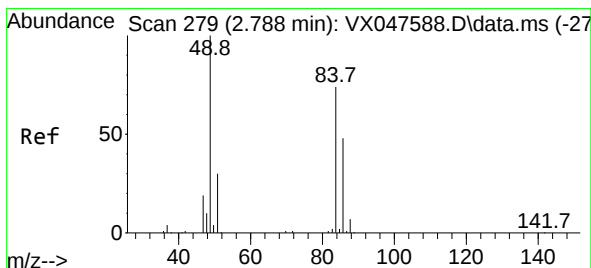
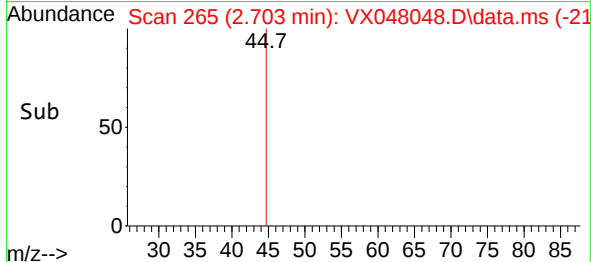
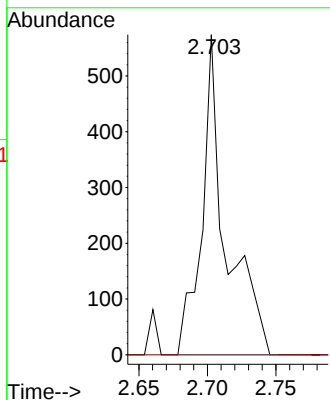
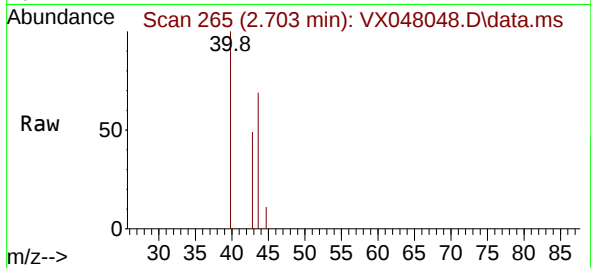




#18  
Methyl Acetate  
Concen: 0.368 ug/l  
RT: 2.703 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

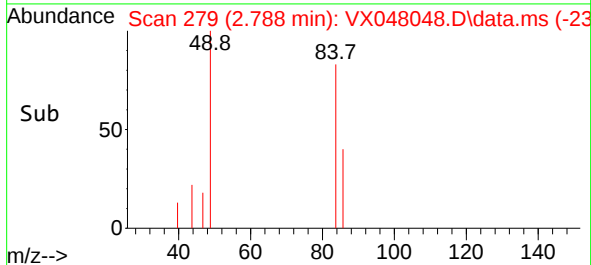
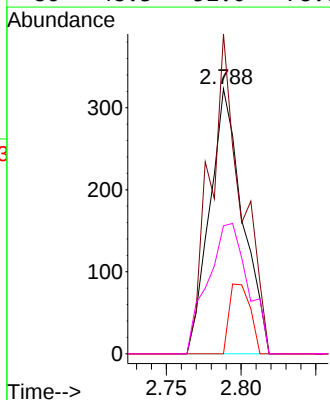
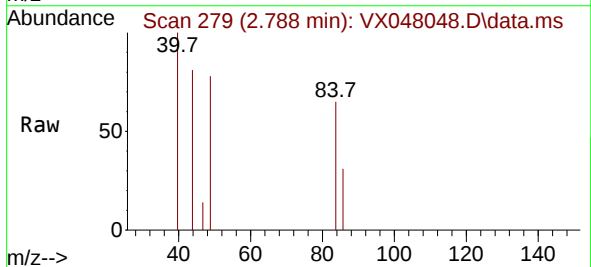
Instrument :  
MSVOA\_X  
ClientSampleId :

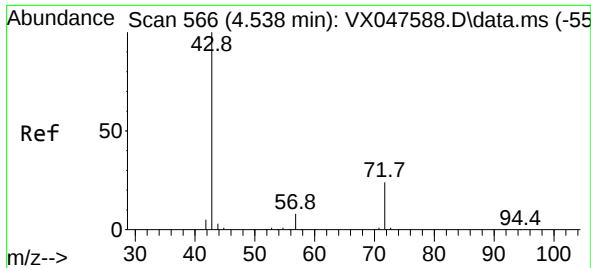
Tgt Ion: 43 Resp: 697  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.4 26.2#



#20  
Methylene Chloride  
Concen: 0.274 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Tgt Ion: 84 Resp: 494  
Ion Ratio Lower Upper  
84 100  
49 120.7 108.6 162.8  
51 0.0 32.6 48.8#  
86 48.3 52.0 78.0#

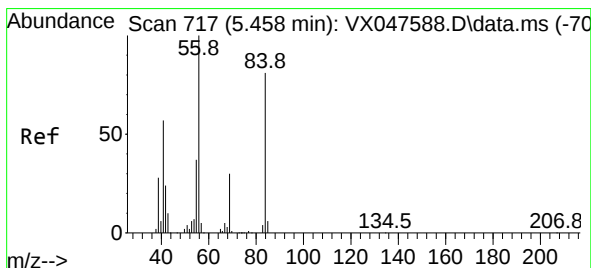
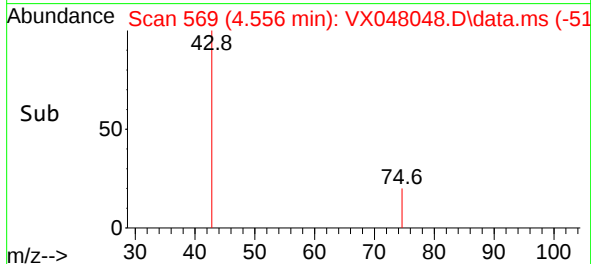
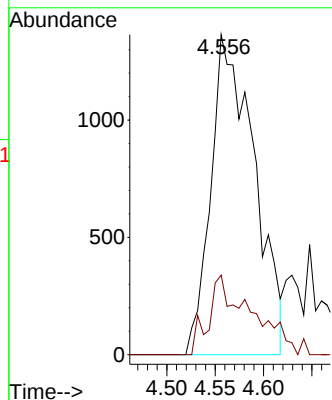
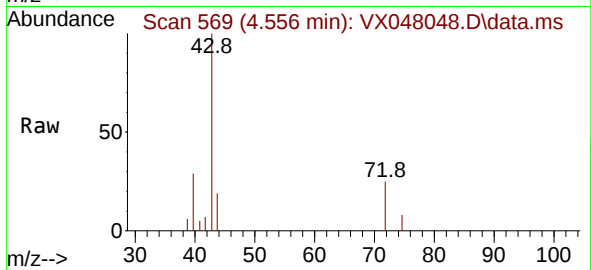




#25  
2-Butanone  
Concen: 3.993 ug/l  
RT: 4.556 min Scan# 50  
Delta R.T. 0.018 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

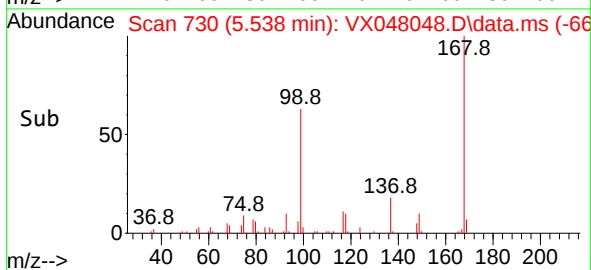
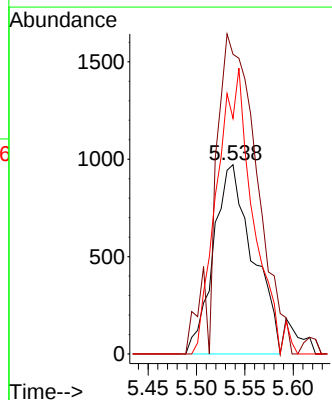
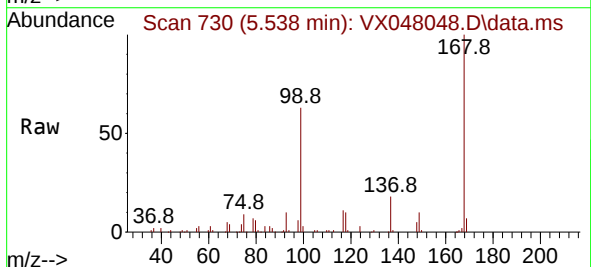
Instrument :  
MSVOA\_X  
ClientSampleId :

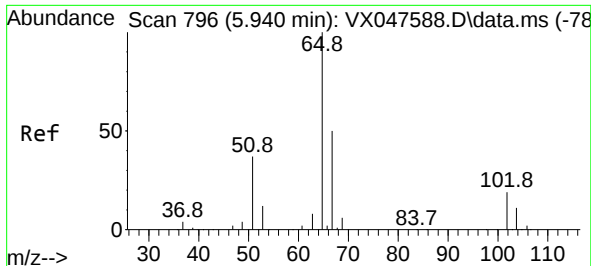
Tgt Ion: 43 Resp: 4238  
Ion Ratio Lower Upper  
43 100  
72 20.8 20.1 30.1



#31  
Cyclohexane  
Concen: 1.064 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. 0.079 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Tgt Ion: 56 Resp: 2752  
Ion Ratio Lower Upper  
56 100  
69 158.3 23.8 35.8#  
84 124.4 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 49.842 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

Instrument :

MSVOA\_X

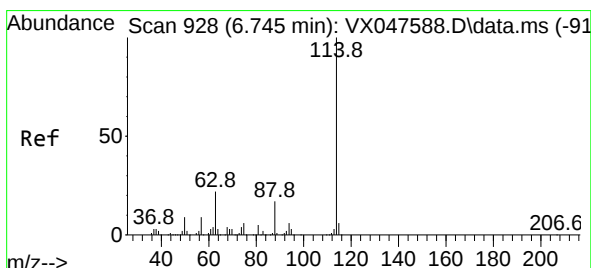
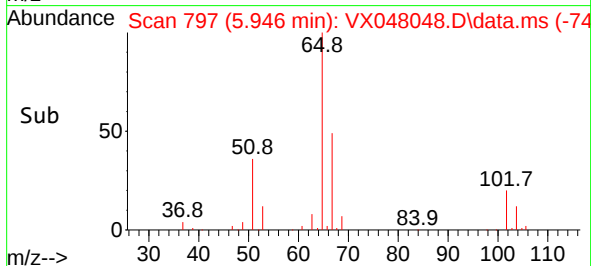
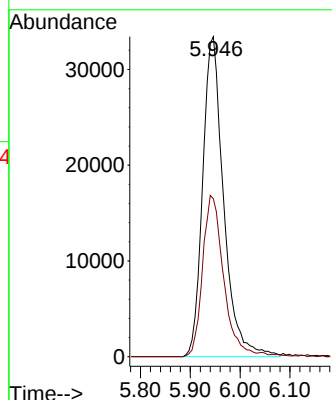
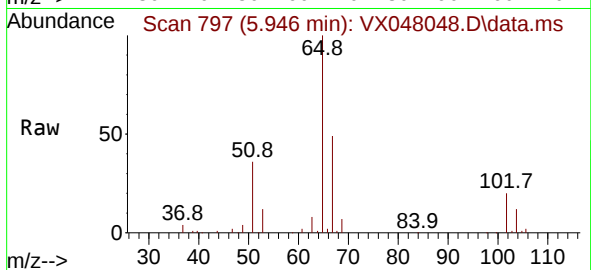
ClientSampleId :

Tgt Ion: 65 Resp: 97539

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

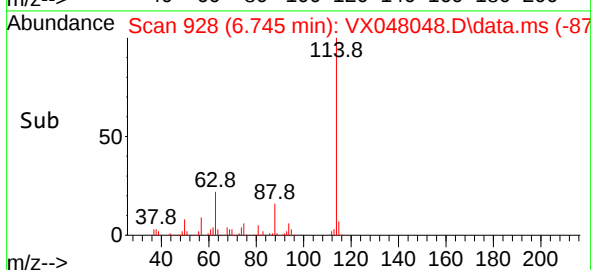
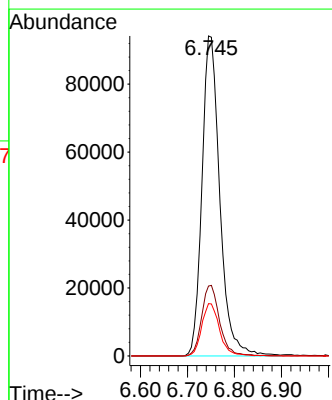
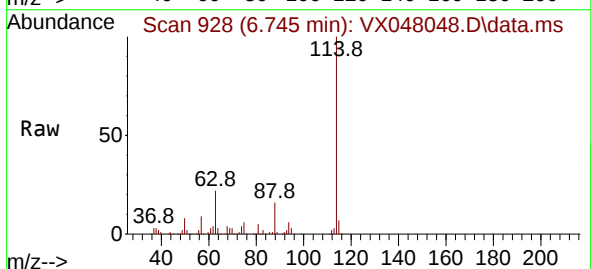
Tgt Ion: 114 Resp: 248523

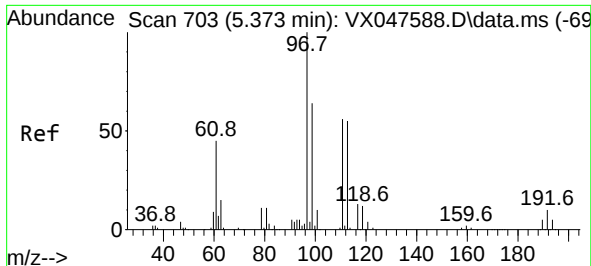
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 16.3 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.544 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

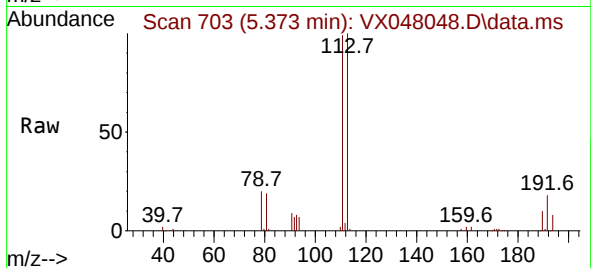
Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

Instrument :

MSVOA\_X

ClientSampleId :



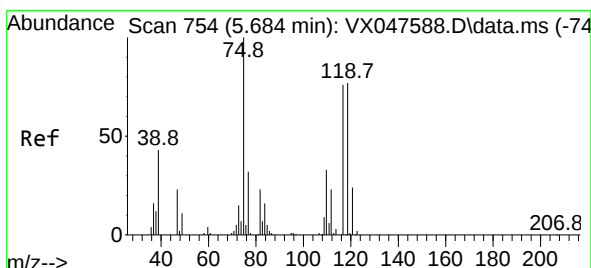
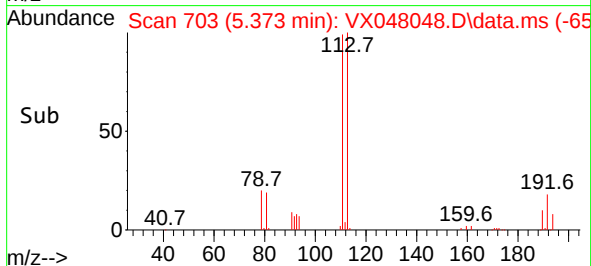
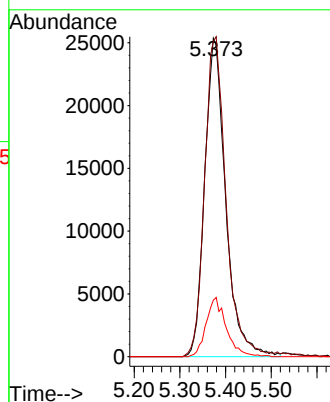
Tgt Ion:113 Resp: 80909

Ion Ratio Lower Upper

113 100

111 102.1 80.9 121.3

192 17.9 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.556 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

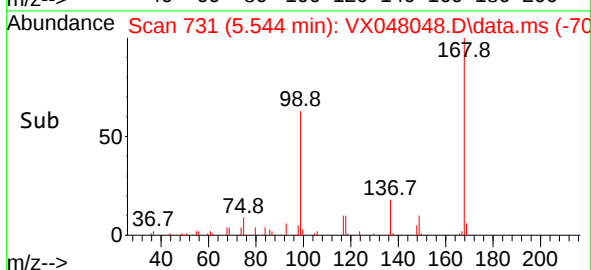
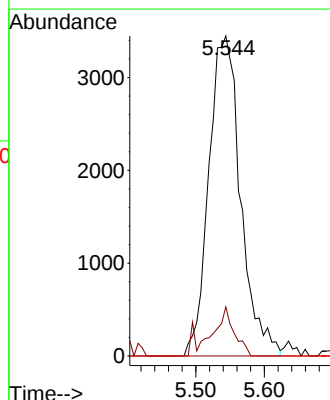
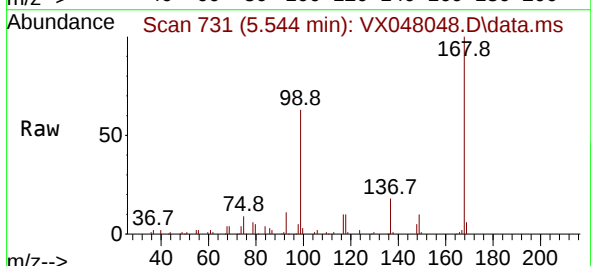
Tgt Ion: 75 Resp: 11097

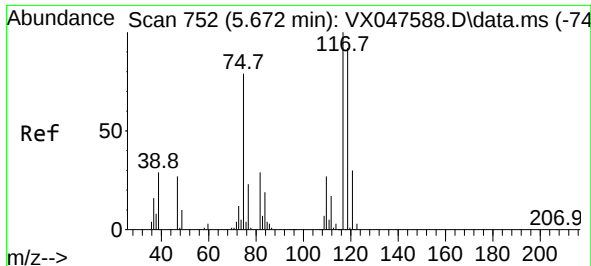
Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.1#

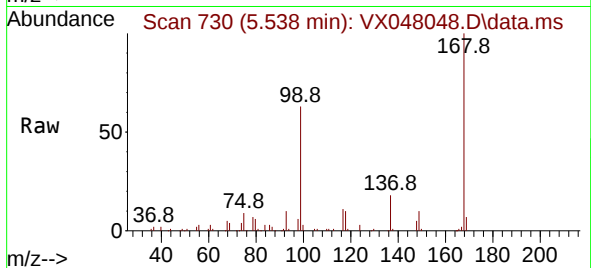
77 0.0 24.3 36.5#



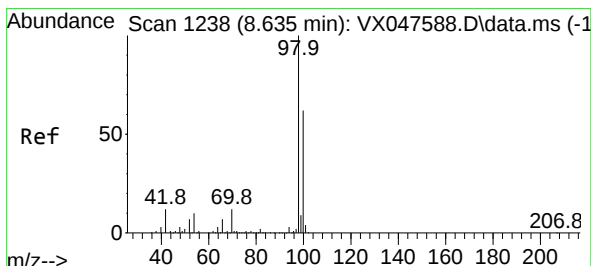
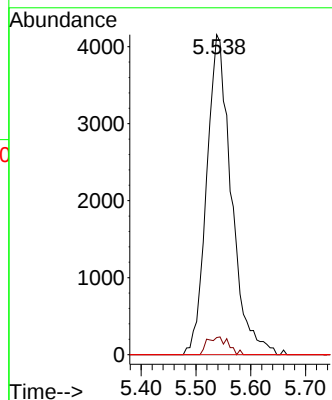
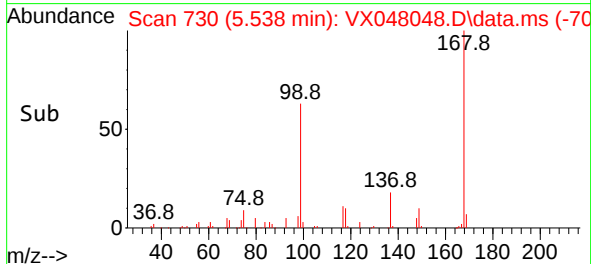


#38  
Carbon Tetrachloride  
Concen: 4.912 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Instrument :  
MSVOA\_X  
ClientSampleId :

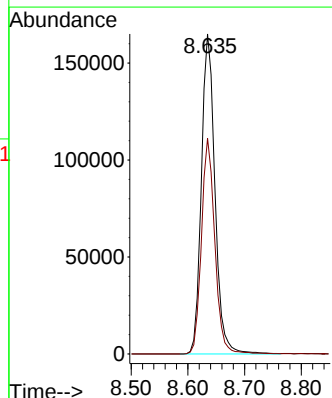
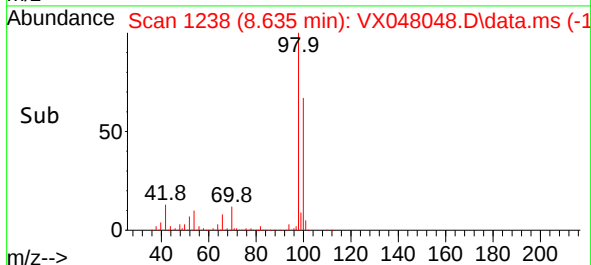
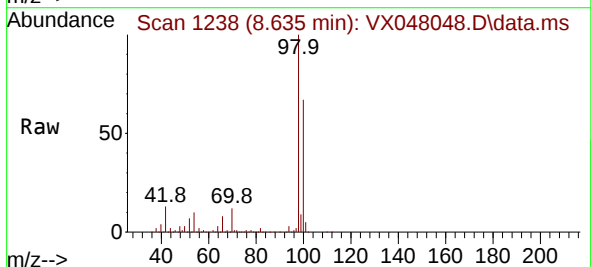


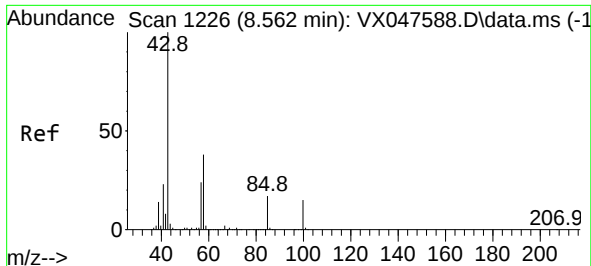
Tgt Ion:117 Resp: 12997  
Ion Ratio Lower Upper  
117 100  
119 5.4 73.4 110.2#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 47.482 ug/l  
RT: 8.635 min Scan# 1238  
Delta R.T. 0.000 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Tgt Ion: 98 Resp: 273842  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.0 79.4

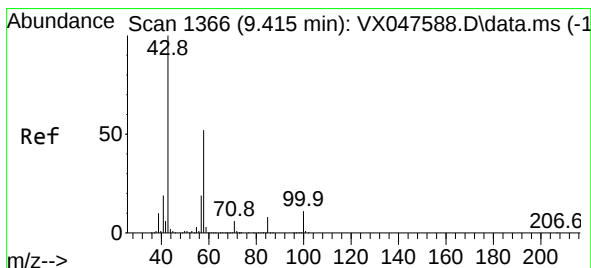
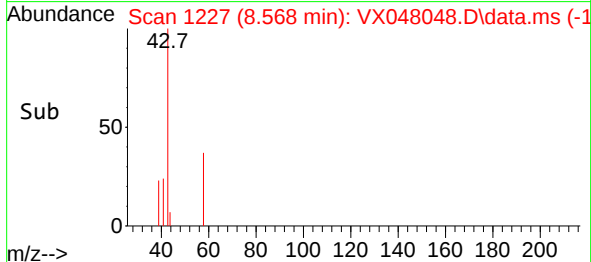
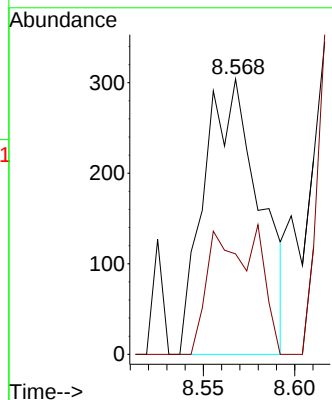
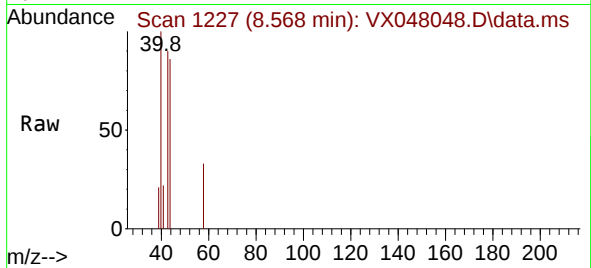




#51  
4-Methyl-2-Pentanone  
Concen: 0.272 ug/l  
RT: 8.568 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

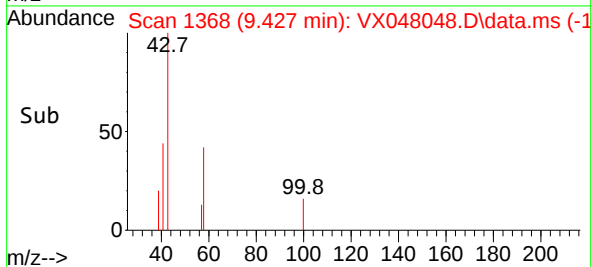
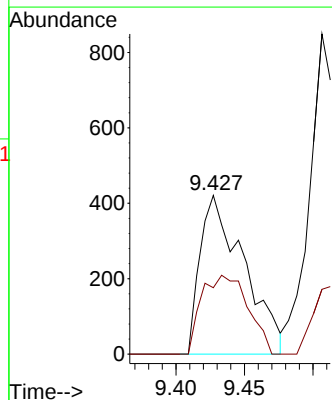
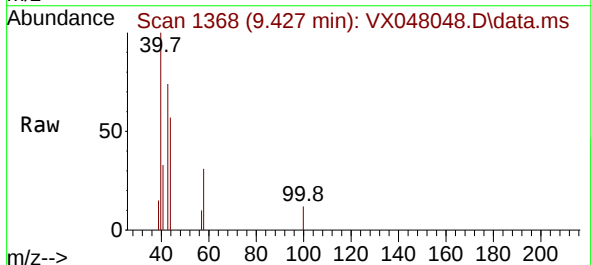
Instrument :  
MSVOA\_X  
ClientSampleId :

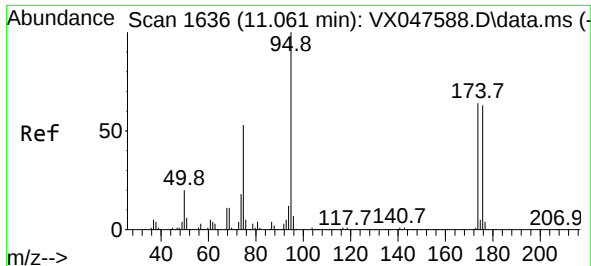
Tgt Ion: 43 Resp: 646  
Ion Ratio Lower Upper  
43 100  
58 39.9 30.3 45.5



#59  
2-Hexanone  
Concen: 0.553 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. 0.012 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Tgt Ion: 43 Resp: 941  
Ion Ratio Lower Upper  
43 100  
58 52.5 26.1 78.2

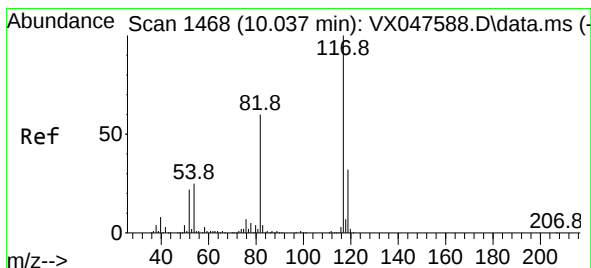
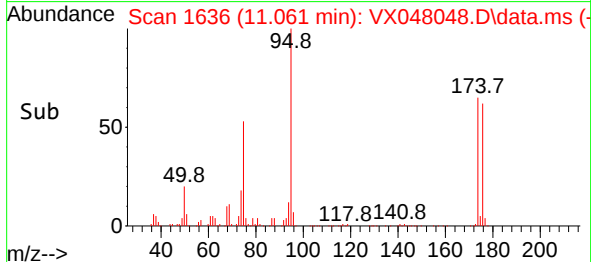
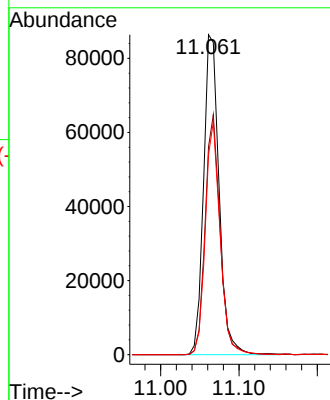
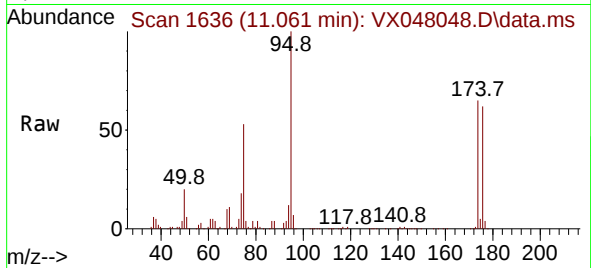




#62  
4-Bromofluorobenzene  
Concen: 54.254 ug/l  
RT: 11.061 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

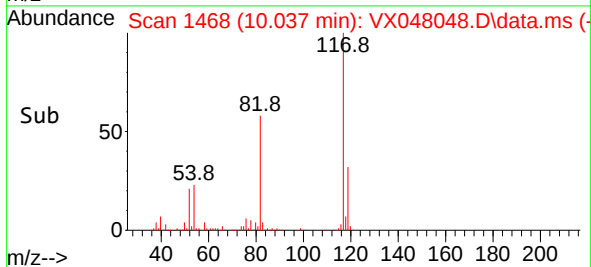
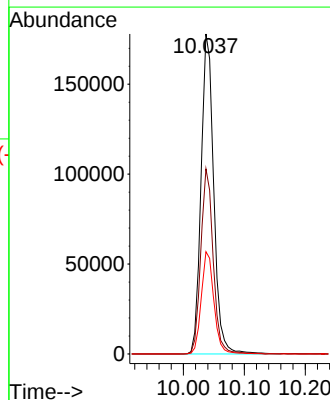
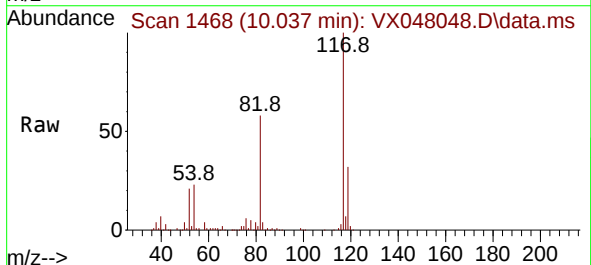
Instrument :  
MSVOA\_X  
ClientSampleId :

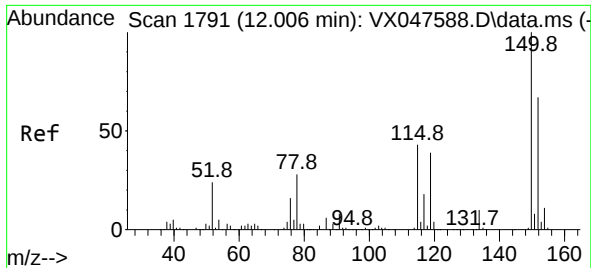
Tgt Ion: 95 Resp: 118749  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 141.6  
176 69.1 0.0 138.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

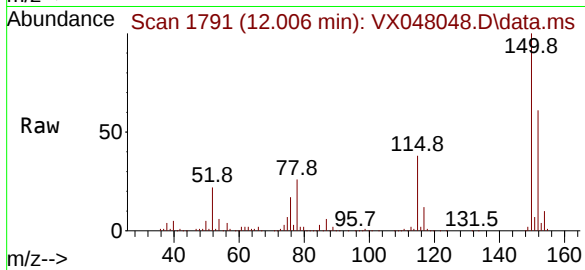
Tgt Ion: 117 Resp: 257016  
Ion Ratio Lower Upper  
117 100  
82 57.8 47.8 71.6  
119 31.9 25.2 37.8



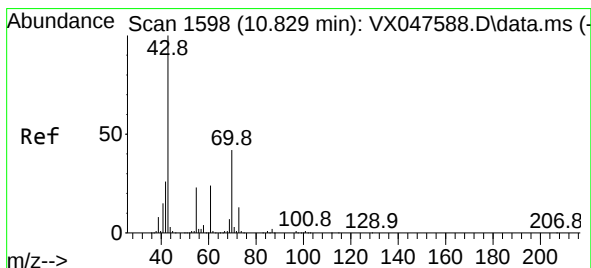
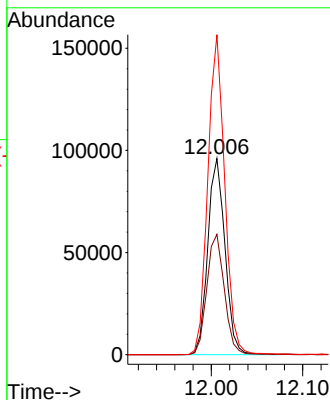
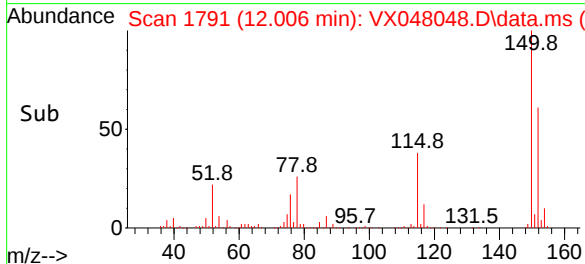


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

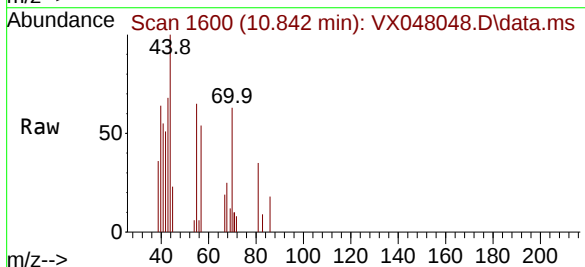
Instrument :  
MSVOA\_X  
ClientSampleId :



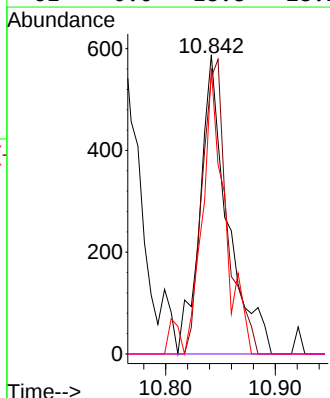
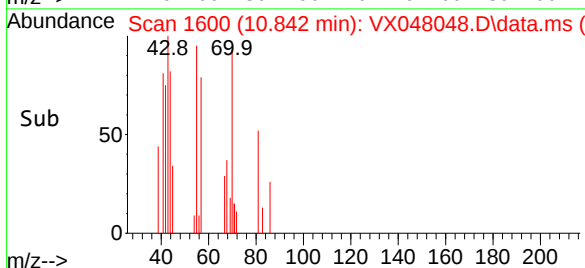
Tgt Ion:152 Resp: 125514  
Ion Ratio Lower Upper  
152 100  
115 62.6 44.9 134.5  
150 160.1 0.0 352.0

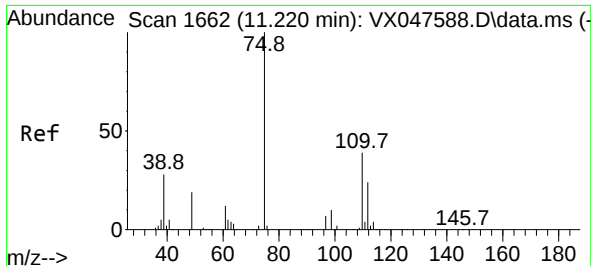


#74  
N-ethyl acetate  
Concen: 0.237 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. 0.012 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23



Tgt Ion: 43 Resp: 1031  
Ion Ratio Lower Upper  
43 100  
70 90.0 32.0 48.0#  
55 75.8 18.9 28.3#  
61 0.0 18.8 28.2#

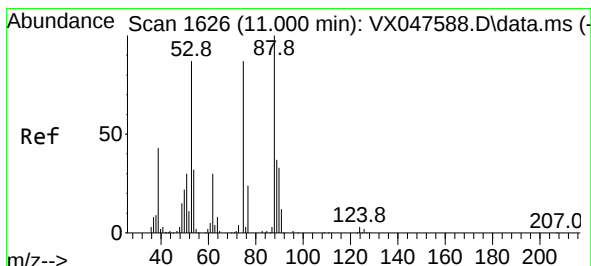
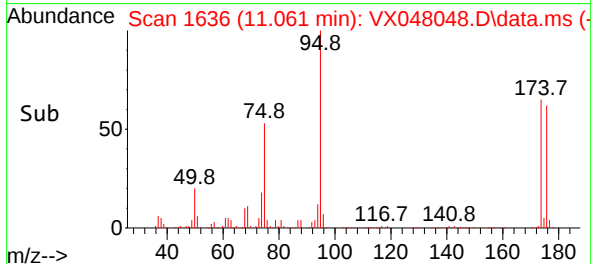
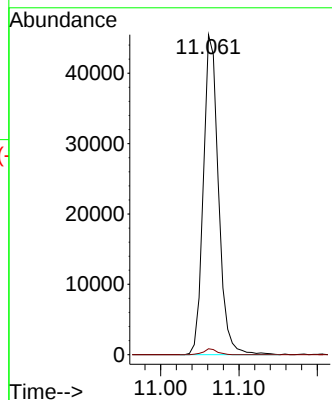
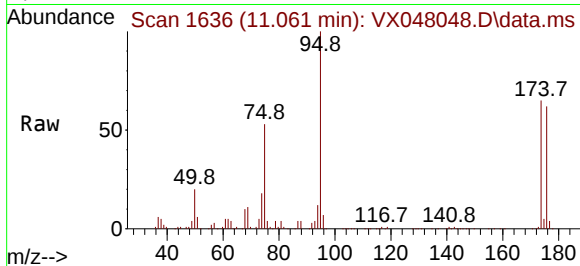




#76  
1,2,3-Trichloropropane  
Concen: 23.947 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.158 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 60857  
Ion Ratio Lower Upper  
75 100  
77 1.7 18.8 56.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.070 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.061 min  
Lab File: VX048048.D  
Acq: 07 Oct 2025 13:23

Tgt Ion: 75 Resp: 60857  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.4 125.2#  
89 0.0 36.3 54.5#

