

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072325\  
 Data File : VX047101.D  
 Acq On : 23 Jul 2025 18:39  
 Operator : JC/MD  
 Sample : Q2481-17 1000X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CC0267-OXPL

Quant Time: Jul 24 05:56:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 2025  
 Response via : Initial Calibration

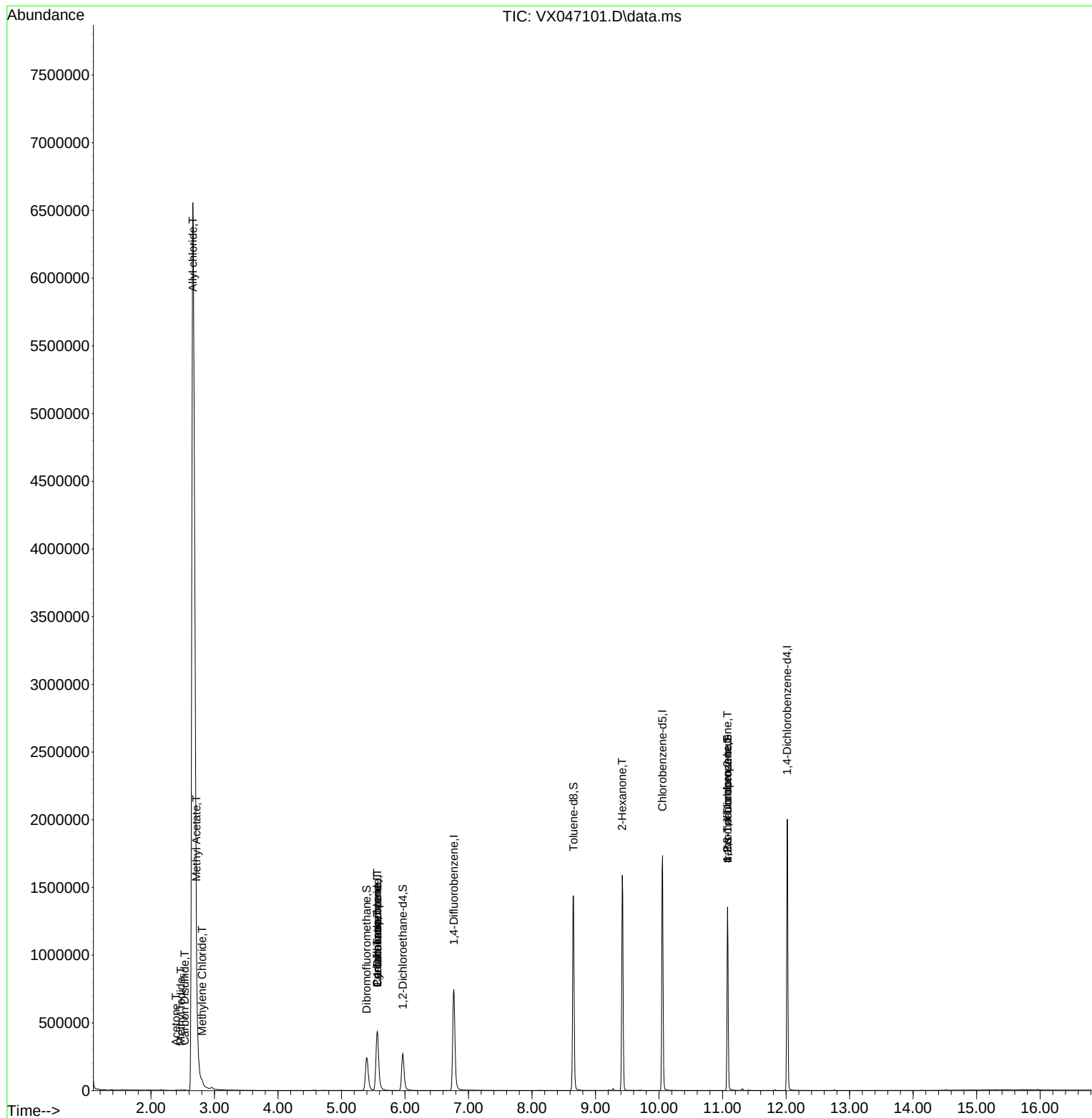
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 439496              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 794611              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 768820              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 391848              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 285676              | 52.181    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 104.360% |           |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 232416              | 47.372    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 94.740%  |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 873342              | 54.967    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 109.940% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 362751              | 52.979    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 105.960% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 10) Methyl Iodide             | 2.471          | 142  | 4603                | 0.810     | ug/l # | 75       |
| 11) Tert butyl alcohol        | 2.959          | 59   | 6421                | Below Cal | #      | 76       |
| 14) Allyl chloride            | 2.660          | 41   | 12317446            | 1233.723  | ug/l # | 42       |
| 16) Acetone                   | 2.392          | 43   | 2939                | 1.340     | ug/l   | 93       |
| 17) Carbon Disulfide          | 2.532          | 76   | 5575                | 0.349     | ug/l   | 99       |
| 18) Methyl Acetate            | 2.715          | 43   | 1944                | 0.334     | ug/l # | 76       |
| 20) Methylene Chloride        | 2.806          | 84   | 10931               | 1.812     | ug/l   | 93       |
| 31) Cyclohexane               | 5.562          | 56   | 9637                | 0.942     | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 37262               | 4.456     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 46073               | 5.162     | ug/l # | 16       |
| 59) 2-Hexanone                | 9.421          | 43   | 3175                | 0.673     | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 189884              | 26.180    | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 189884              | 67.451    | ug/l # | 8        |
| -----                         |                |      |                     |           |        |          |

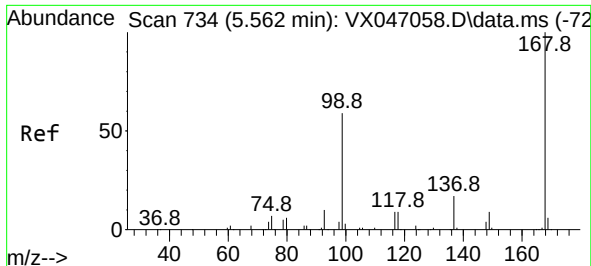
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072325\  
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MSVOA\_X  
ClientSampleId :  
CC0267-OXPL

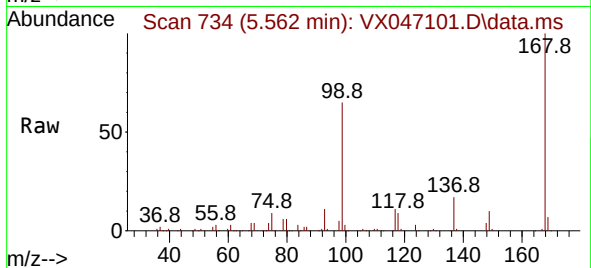
Quant Time: Jul 24 05:56:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 2025  
Response via : Initial Calibration



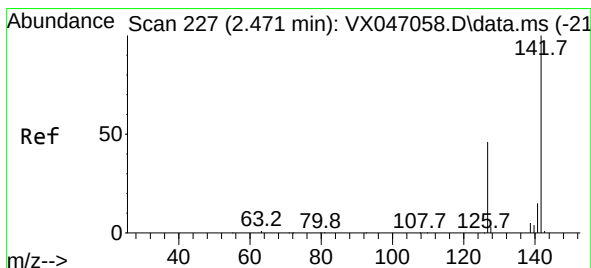
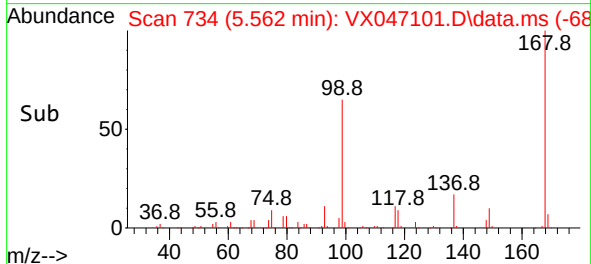
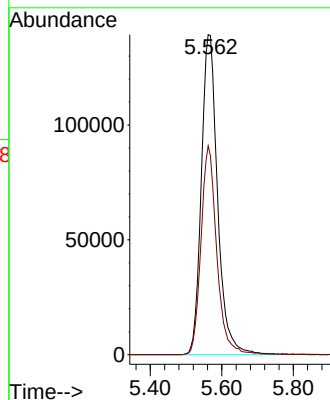


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
CC0267-OXPL

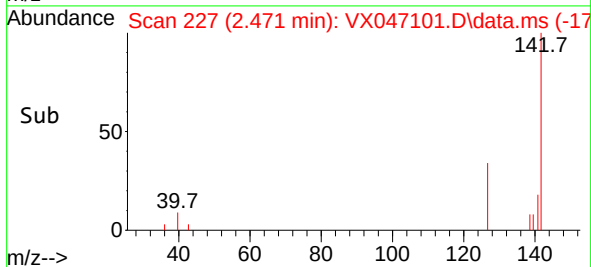
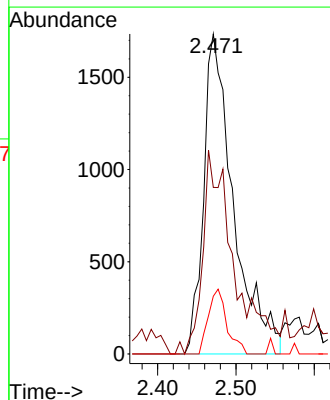
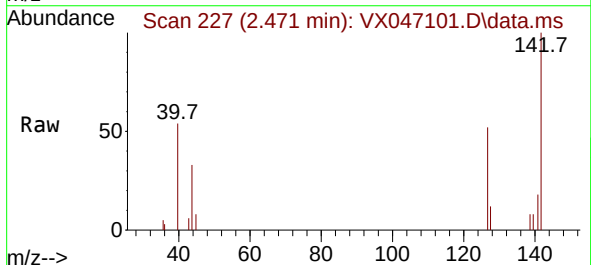


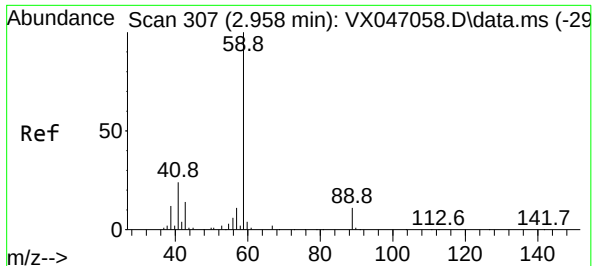
Tgt Ion:168 Resp: 439496  
Ion Ratio Lower Upper  
168 100  
99 65.2 48.0 72.0



#10  
Methyl Iodide  
Concen: 0.810 ug/l  
RT: 2.471 min Scan# 227  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

Tgt Ion:142 Resp: 4603  
Ion Ratio Lower Upper  
142 100  
127 66.4 36.6 54.8#  
141 12.6 10.9 16.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047101.D

Acq: 23 Jul 2025 18:39

Instrument :

MSVOA\_X

ClientSampleId :

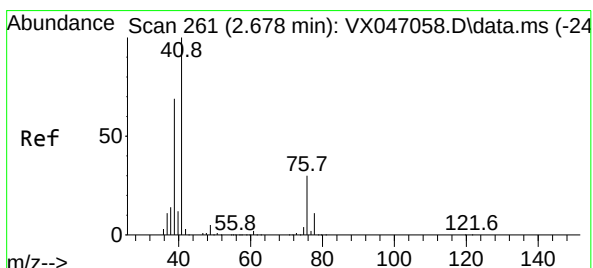
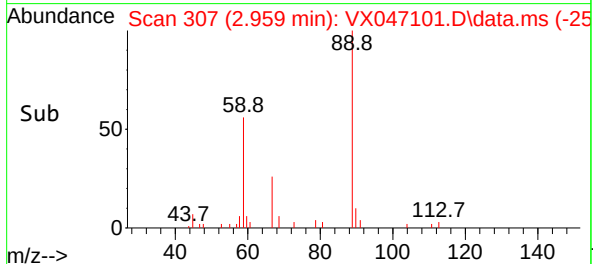
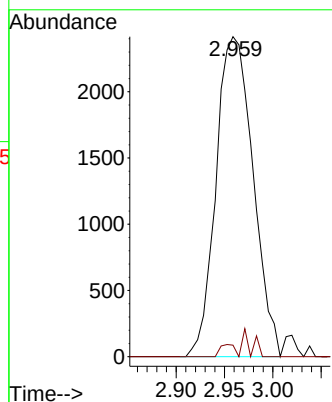
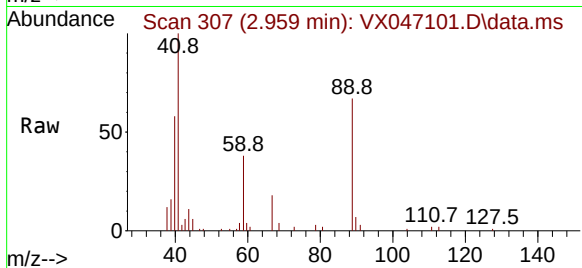
CC0267-OXPL

Tgt Ion: 59 Resp: 6421

Ion Ratio Lower Upper

59 100

57 1.5 8.5 12.7#



#14

Allyl chloride

Concen: 1233.723 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.018 min

Lab File: VX047101.D

Acq: 23 Jul 2025 18:39

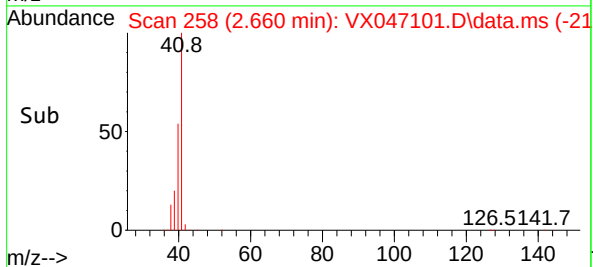
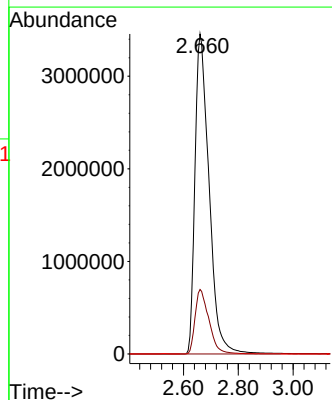
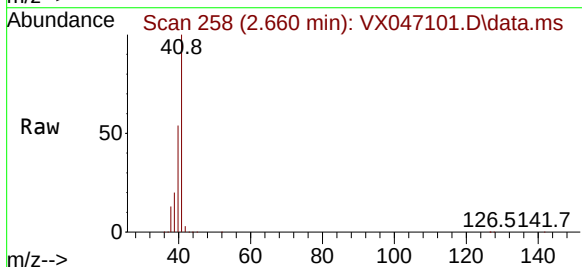
Tgt Ion: 41 Resp:12317446

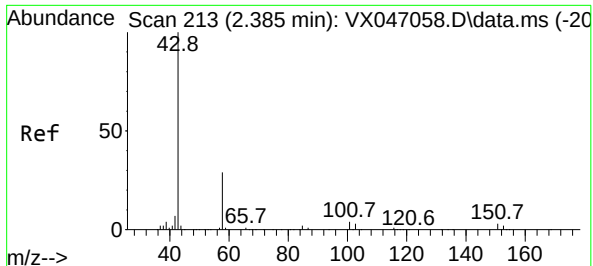
Ion Ratio Lower Upper

41 100

39 19.9 52.6 78.8#

76 0.0 25.7 38.5#

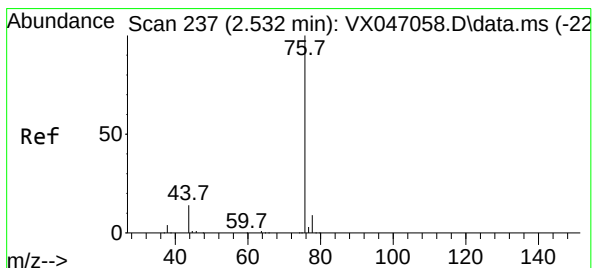
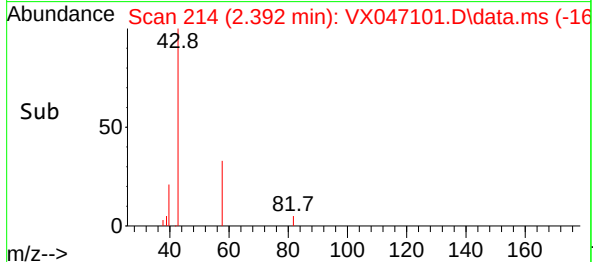
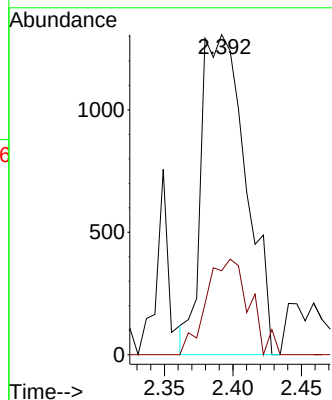
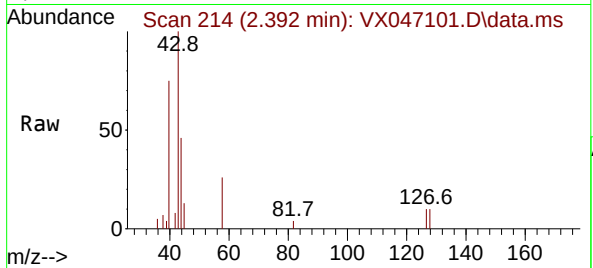




#16  
Acetone  
Concen: 1.340 ug/l  
RT: 2.392 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

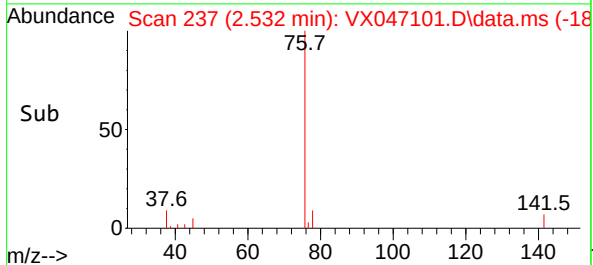
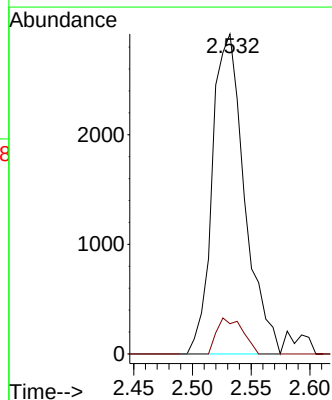
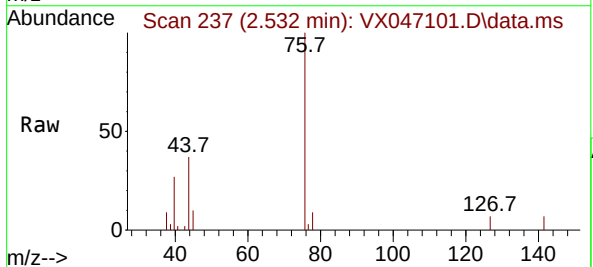
Instrument :  
MSVOA\_X  
ClientSampleId :  
CC0267-OXPL

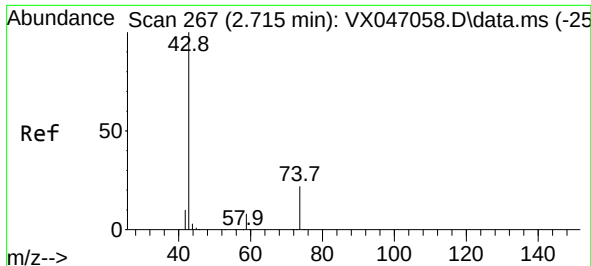
Tgt Ion: 43 Resp: 2939  
Ion Ratio Lower Upper  
43 100  
58 26.2 24.0 36.0



#17  
Carbon Disulfide  
Concen: 0.349 ug/l  
RT: 2.532 min Scan# 237  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

Tgt Ion: 76 Resp: 5575  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.4

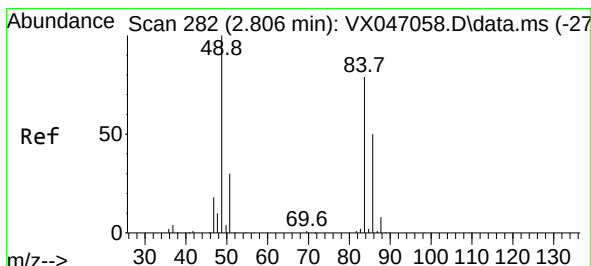
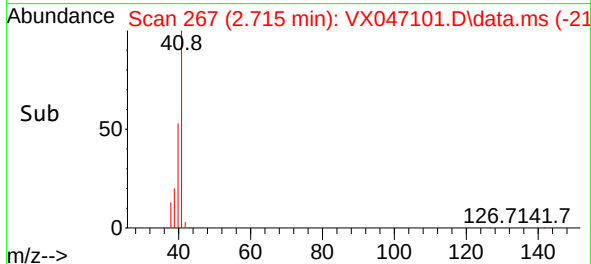
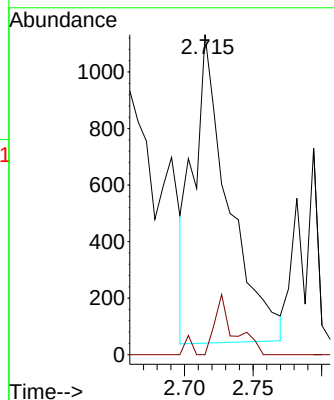
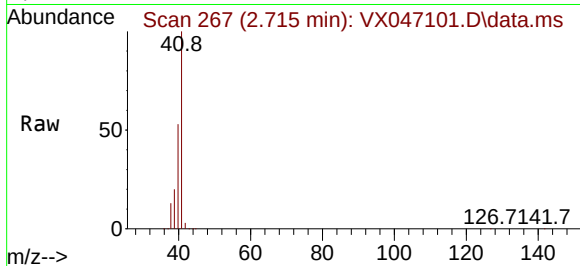




#18  
Methyl Acetate  
Concen: 0.334 ug/l  
RT: 2.715 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

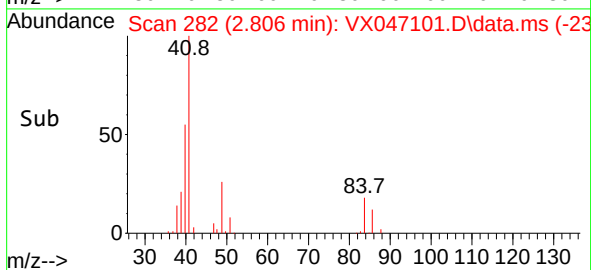
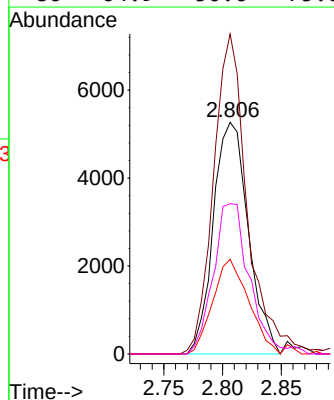
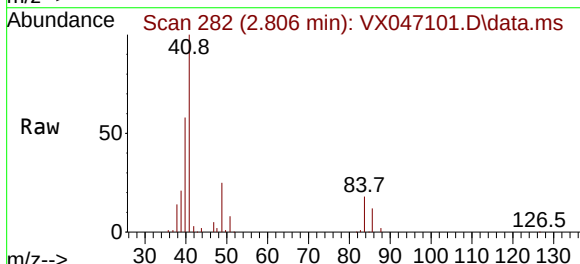
Instrument :  
MSVOA\_X  
ClientSampleId :  
CC0267-OXPL

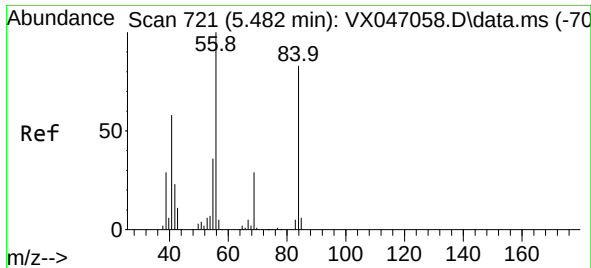
Tgt Ion: 43 Resp: 1944  
Ion Ratio Lower Upper  
43 100  
74 10.7 17.7 26.5#



#20  
Methylene Chloride  
Concen: 1.812 ug/l  
RT: 2.806 min Scan# 282  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

Tgt Ion: 84 Resp: 10931  
Ion Ratio Lower Upper  
84 100  
49 138.2 101.6 152.4  
51 40.9 30.3 45.5  
86 64.9 50.6 75.8

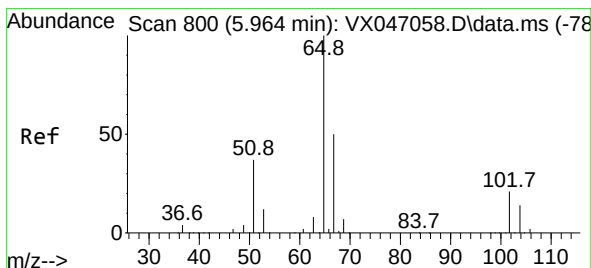
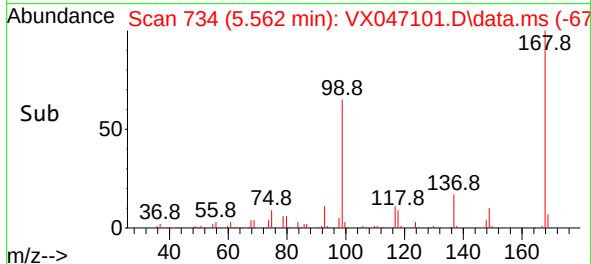
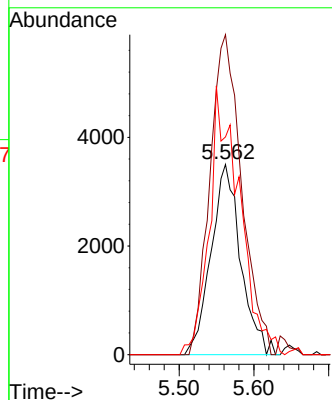
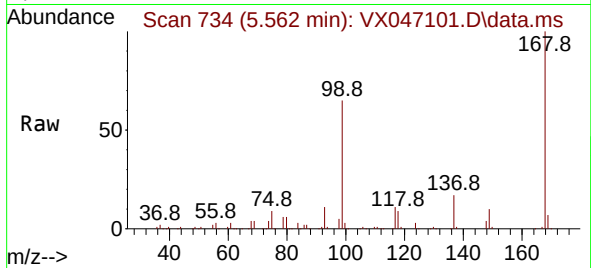




#31  
Cyclohexane  
Concen: 0.942 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.080 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

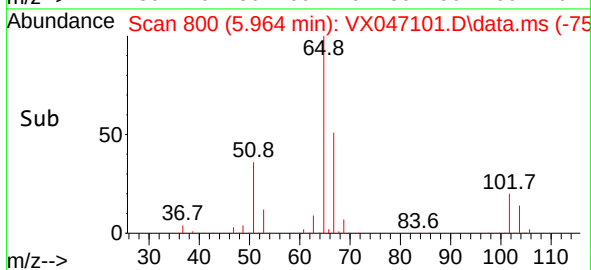
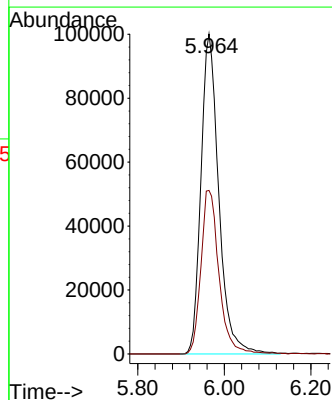
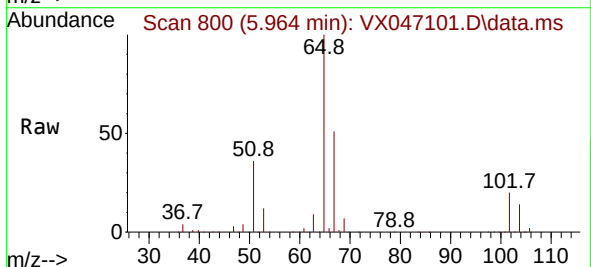
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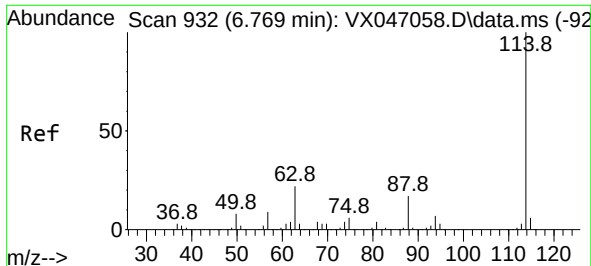
Tgt Ion: 56 Resp: 9637  
Ion Ratio Lower Upper  
56 100  
69 163.4 23.3 34.9#  
84 111.1 66.5 99.7#



#33  
1,2-Dichloroethane-d4  
Concen: 52.181 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

Tgt Ion: 65 Resp: 285676  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 104.8

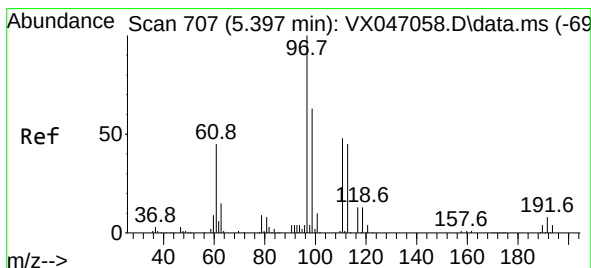
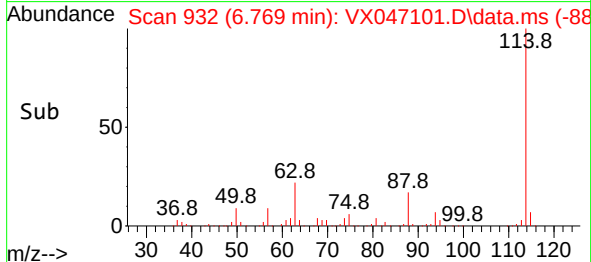
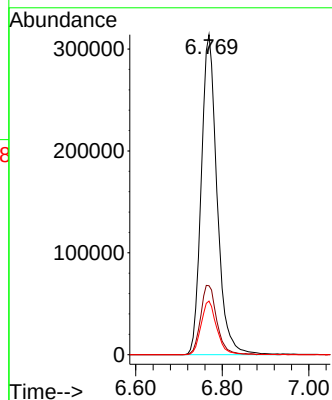
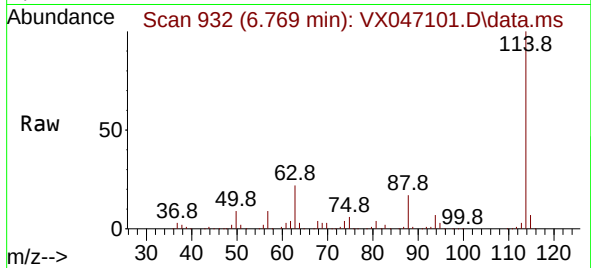




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

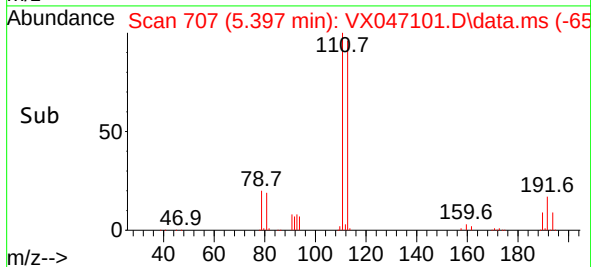
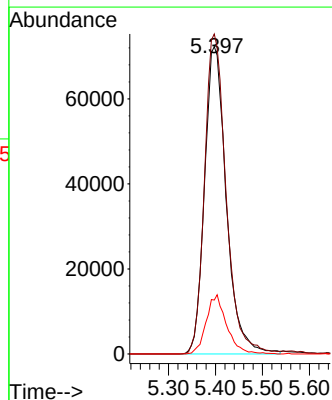
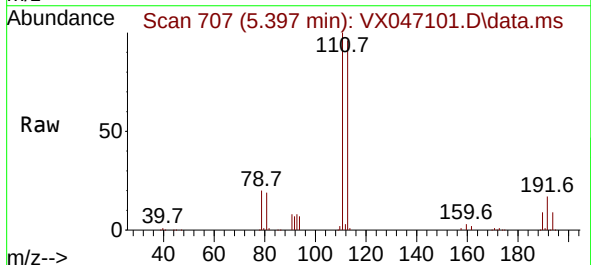
Instrument :  
MSVOA\_X  
ClientSampleId :  
CC0267-OXPL

Tgt Ion:114 Resp: 794611  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 43.2  
88 16.7 0.0 33.8

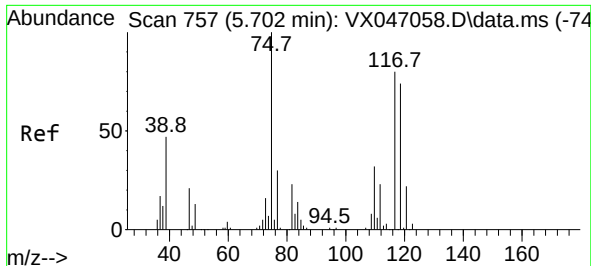


#35  
Dibromofluoromethane  
Concen: 47.372 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

Tgt Ion:113 Resp: 232416  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.6 124.0  
192 18.1 14.9 22.3







#36

1,1-Dichloropropene

Concen: 4.456 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047101.D

Acq: 23 Jul 2025 18:39

Instrument :

MSVOA\_X

ClientSampleId :

CC0267-OXPL

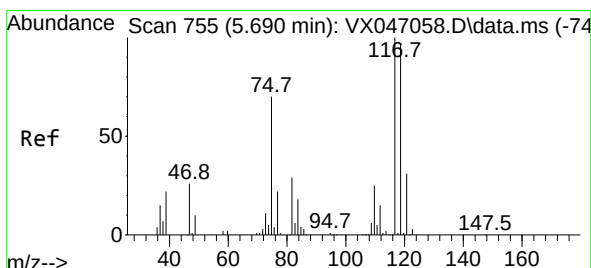
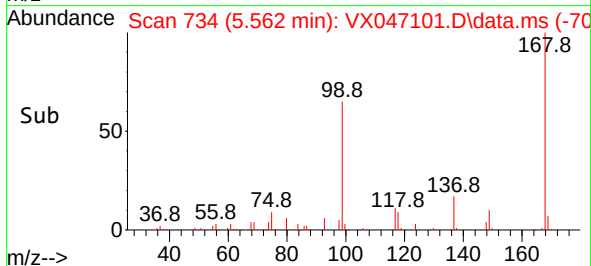
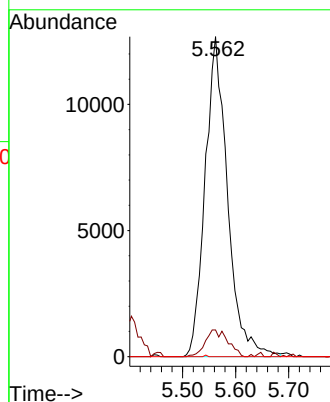
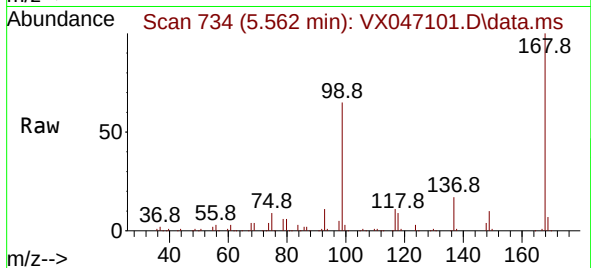
Tgt Ion: 75 Resp: 37262

Ion Ratio Lower Upper

75 100

110 8.4 17.2 51.5#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.162 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047101.D

Acq: 23 Jul 2025 18:39

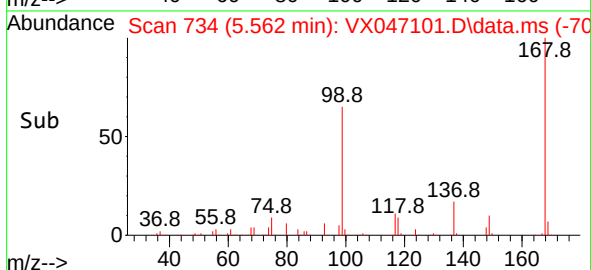
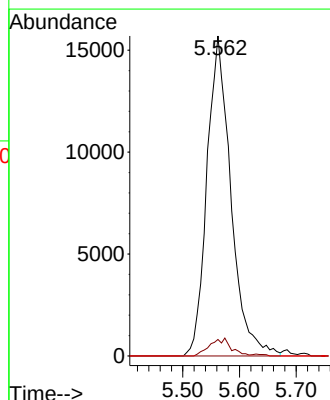
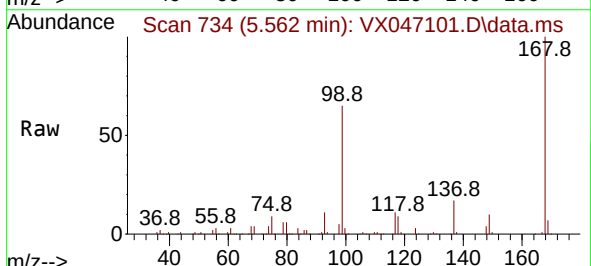
Tgt Ion: 117 Resp: 46073

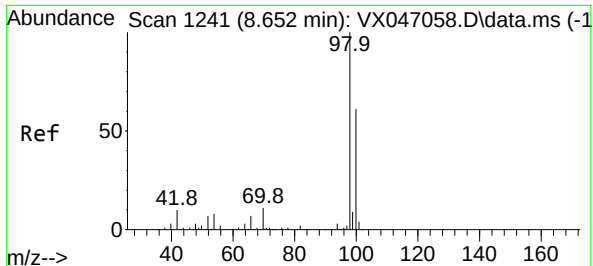
Ion Ratio Lower Upper

117 100

119 5.2 76.6 115.0#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 54.967 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047101.D

Acq: 23 Jul 2025 18:39

Instrument :

MSVOA\_X

ClientSampleId :

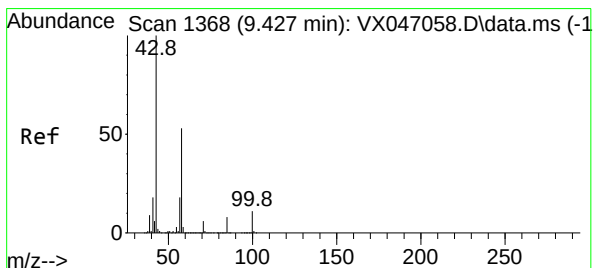
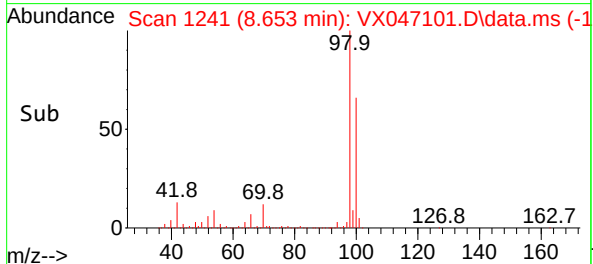
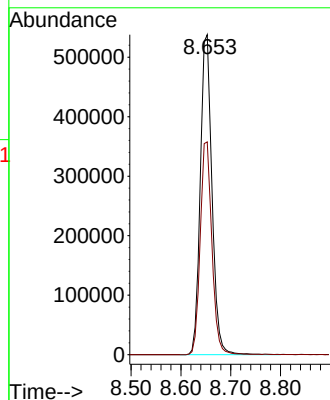
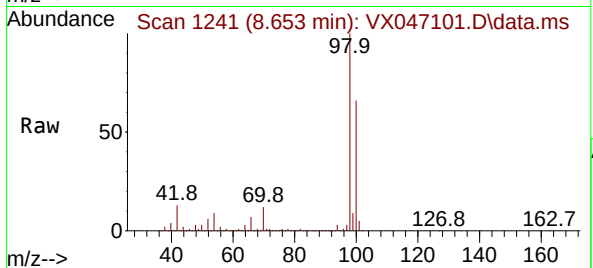
CC0267-OXPL

Tgt Ion: 98 Resp: 873342

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9



#59

2-Hexanone

Concen: 0.673 ug/l

RT: 9.421 min Scan# 1367

Delta R.T. -0.006 min

Lab File: VX047101.D

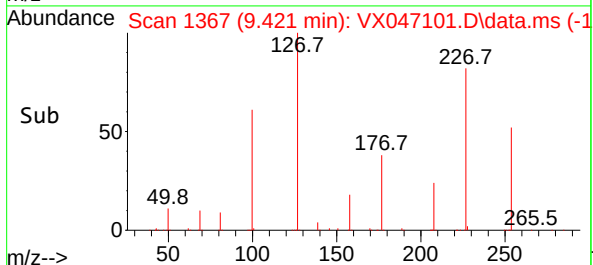
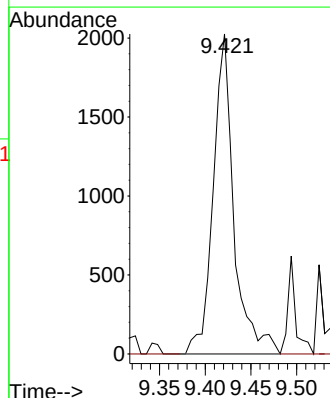
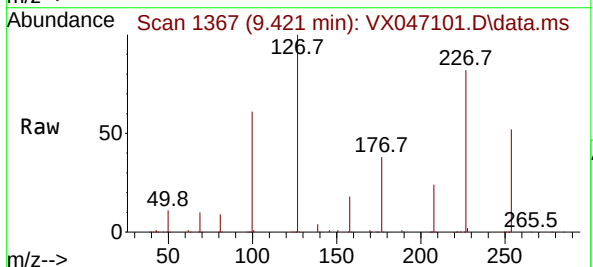
Acq: 23 Jul 2025 18:39

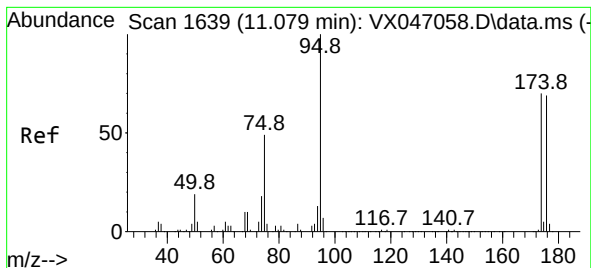
Tgt Ion: 43 Resp: 3175

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#

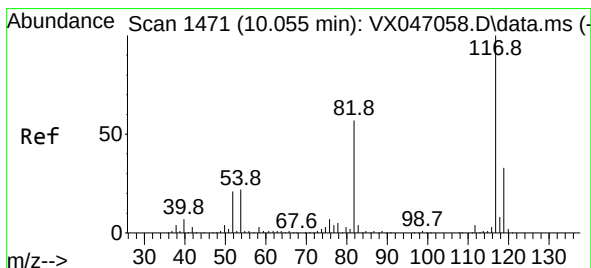
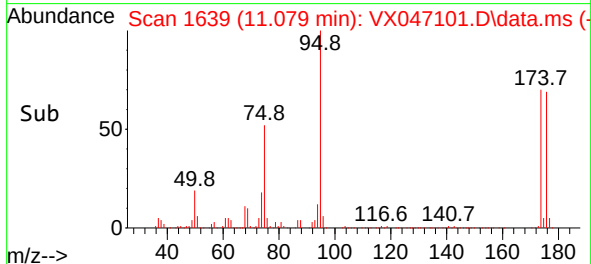
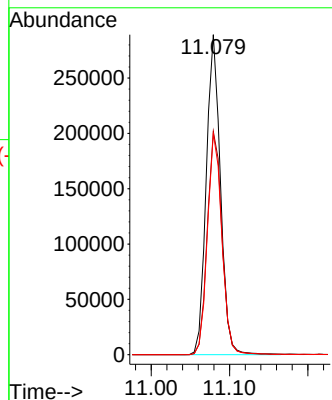
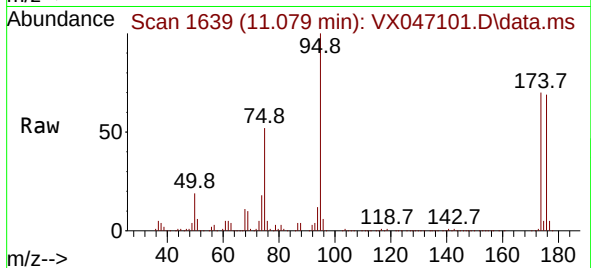




#62  
4-Bromofluorobenzene  
Concen: 52.979 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

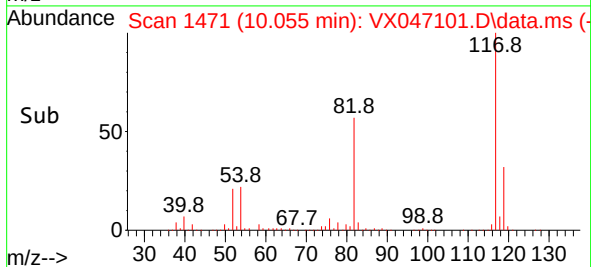
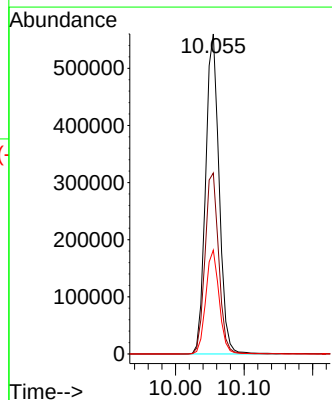
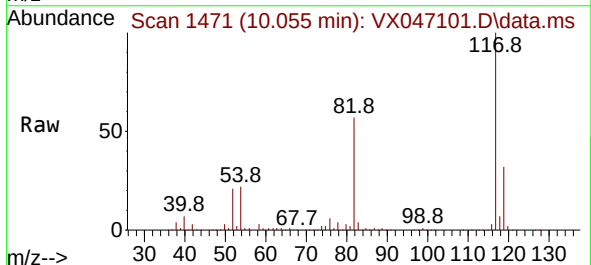
Instrument :  
MSVOA\_X  
ClientSampleId :  
CC0267-OXPL

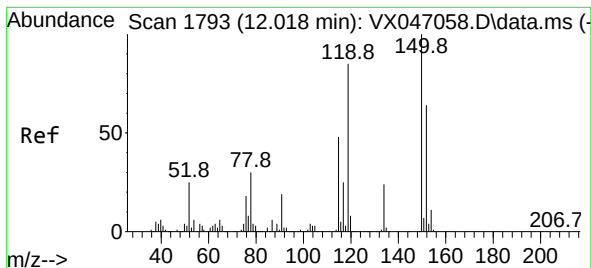
Tgt Ion: 95 Resp: 362751  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 144.6  
176 70.4 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047101.D  
Acq: 23 Jul 2025 18:39

Tgt Ion: 117 Resp: 768820  
Ion Ratio Lower Upper  
117 100  
82 56.6 45.4 68.2  
119 32.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047101.D

Acq: 23 Jul 2025 18:39

Instrument :

MSVOA\_X

ClientSampleId :

CC0267-OXPL

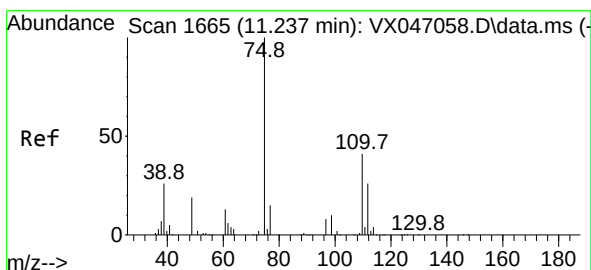
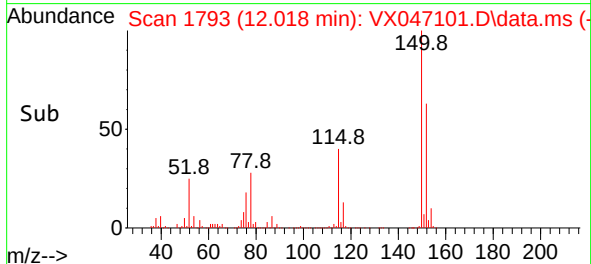
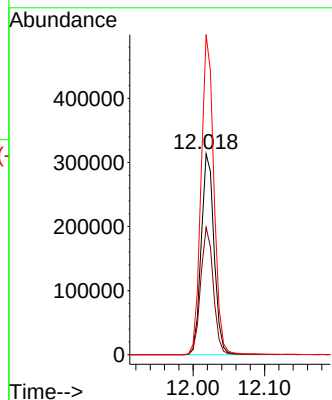
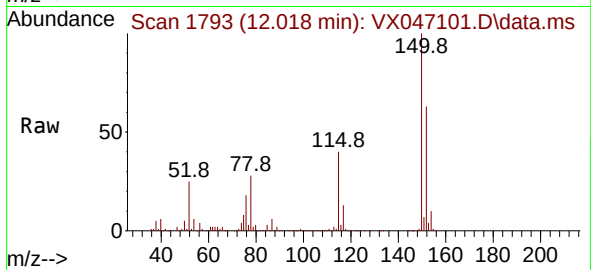
Tgt Ion:152 Resp: 391848

Ion Ratio Lower Upper

152 100

115 62.3 45.6 136.7

150 158.3 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 26.180 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047101.D

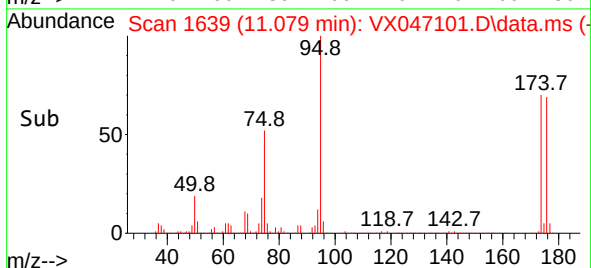
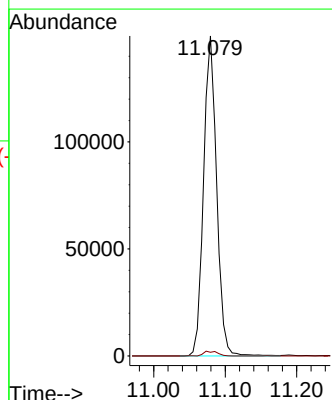
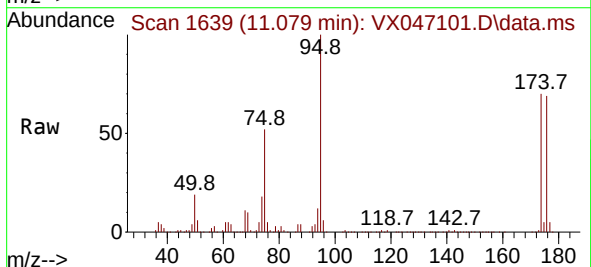
Acq: 23 Jul 2025 18:39

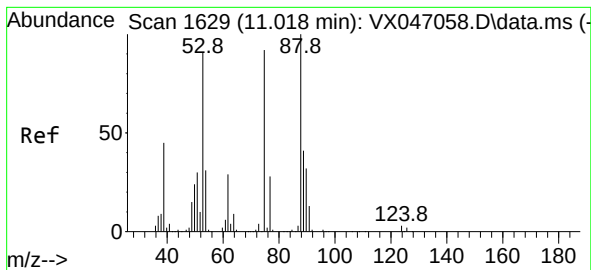
Tgt Ion: 75 Resp: 189884

Ion Ratio Lower Upper

75 100

77 1.6 21.6 65.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.451 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX047101.D  
 Acq: 23 Jul 2025 18:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CC0267-OXPL

Tgt Ion: 75 Resp: 189884  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 84.2 126.4#  
 89 0.0 36.0 54.0#

