

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072525\  
 Data File : VX047129.D  
 Acq On : 25 Jul 2025 10:08  
 Operator : JC/MD  
 Sample : VX0725MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0725MBL01

Quant Time: Jul 26 00:21:29 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

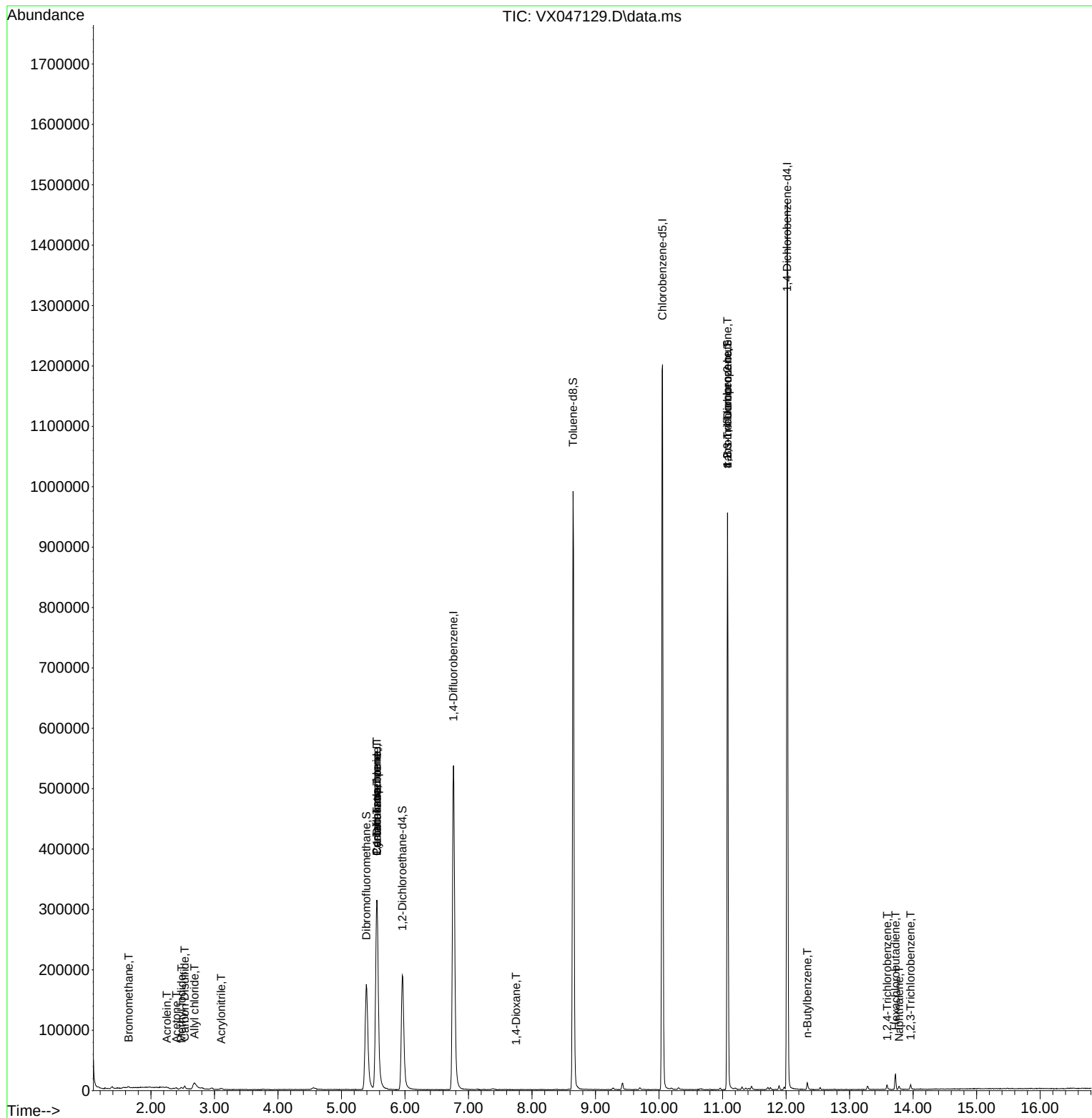
| Compound                      | R.T. QIon |                | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-----------|----------|----------|
| -----                         |           |                |          |           |          |          |
| Internal Standards            |           |                |          |           |          |          |
| 1) Pentafluorobenzene         | 5.556     | 168            | 312440   | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114            | 577249   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 552392   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018    | 152            | 280790   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |           |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65             | 201696   | 51.823    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 117 | Recovery | =         | 103.640% |          |
| 35) Dibromofluoromethane      | 5.391     | 113            | 165344   | 46.391    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | =         | 92.780%  |          |
| 50) Toluene-d8                | 8.646     | 98             | 594672   | 51.521    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 92 - 112 | Recovery | =         | 103.040% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95             | 249480   | 50.156    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | =         | 100.320% |          |
| Target Compounds              |           |                |          |           |          |          |
|                               |           |                |          |           | Qvalue   |          |
| 5) Bromomethane               | 1.648     | 94             | 932      | 0.389     | ug/l #   | 70       |
| 10) Methyl Iodide             | 2.483     | 142            | 4649     | 1.151     | ug/l #   | 91       |
| 11) Tert butyl alcohol        | 2.965     | 59             | 671      | Below Cal | #        | 72       |
| 13) Acrolein                  | 2.251     | 56             | 374      | 0.446     | ug/l #   | 65       |
| 14) Allyl chloride            | 2.684     | 41             | 24988    | 3.521     | ug/l #   | 41       |
| 15) Acrylonitrile             | 3.105     | 53             | 510      | 0.275     | ug/l #   | 64       |
| 16) Acetone                   | 2.398     | 43             | 3062     | 1.964     | ug/l #   | 76       |
| 17) Carbon Disulfide          | 2.532     | 76             | 5940     | 0.523     | ug/l #   | 88       |
| 31) Cyclohexane               | 5.556     | 56             | 7724     | 1.062     | ug/l #   | 6        |
| 36) 1,1-Dichloropropene       | 5.556     | 75             | 26041    | 4.286     | ug/l #   | 50       |
| 38) Carbon Tetrachloride      | 5.556     | 117            | 33030    | 5.094     | ug/l #   | 16       |
| 49) 1,4-Dioxane               | 7.750     | 88             | 46       | 0.851     | ug/l #   | 20       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75             | 131437   | 25.290    | ug/l #   | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75             | 131437   | 65.156    | ug/l #   | 8        |
| 89) n-Butylbenzene            | 12.335    | 91             | 4149     | 0.232     | ug/l     | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.591    | 180            | 2410     | 0.378     | ug/l     | 95       |
| 94) Hexachlorobutadiene       | 13.725    | 225            | 3460     | 1.596     | ug/l     | 94       |
| 95) Naphthalene               | 13.780    | 128            | 4655     | 0.249     | ug/l #   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 13.963    | 180            | 1956     | 0.318     | ug/l     | 86       |
| -----                         |           |                |          |           |          |          |

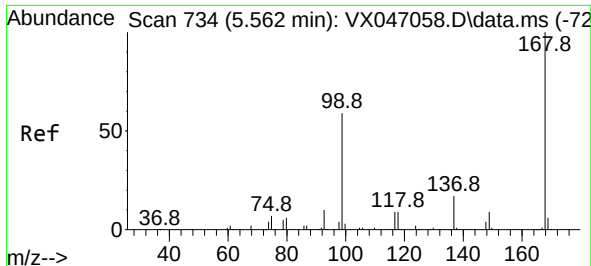
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

Quant Time: Jul 26 00:21:29 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

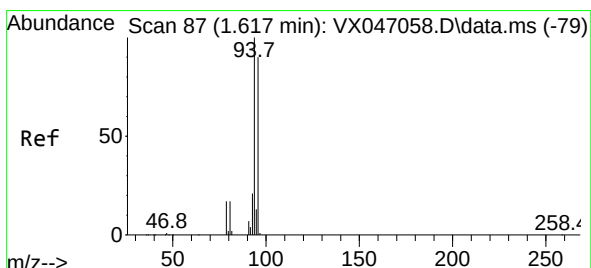
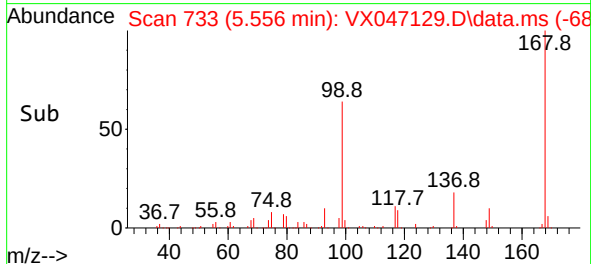
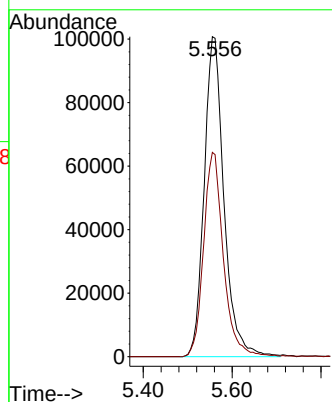
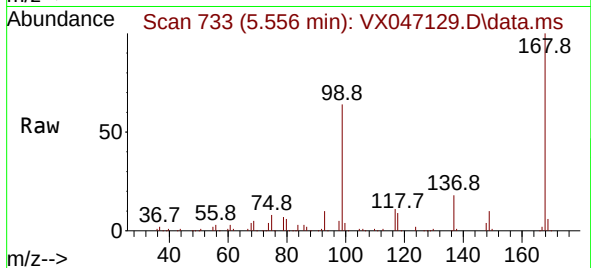




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

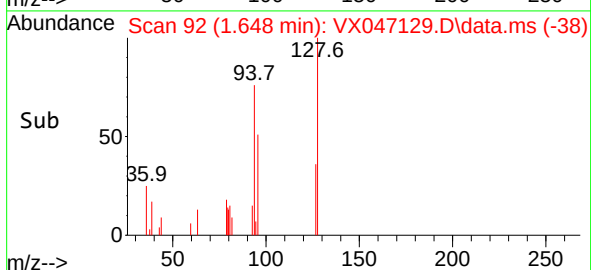
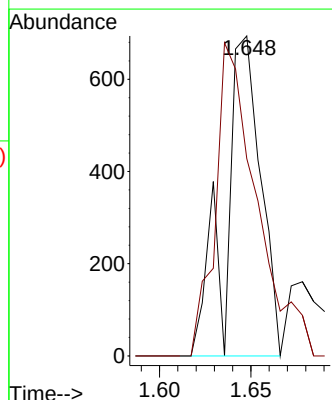
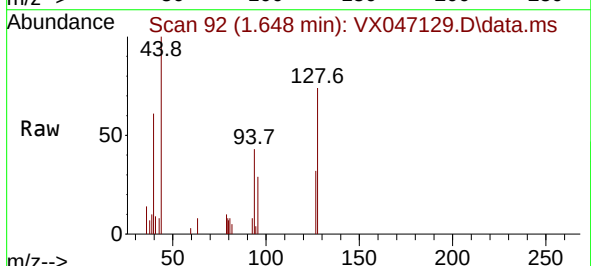
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

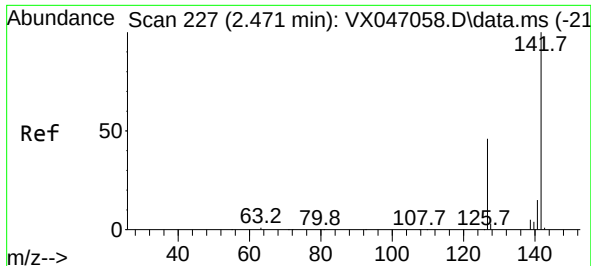
Tgt Ion:168 Resp: 312440  
Ion Ratio Lower Upper  
168 100  
99 63.8 48.0 72.0



#5  
Bromomethane  
Concen: 0.389 ug/l  
RT: 1.648 min Scan# 92  
Delta R.T. 0.031 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

Tgt Ion: 94 Resp: 932  
Ion Ratio Lower Upper  
94 100  
96 61.7 72.3 108.5#

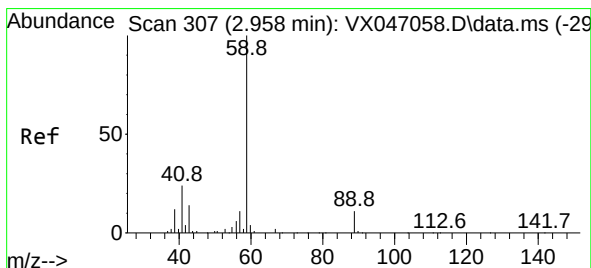
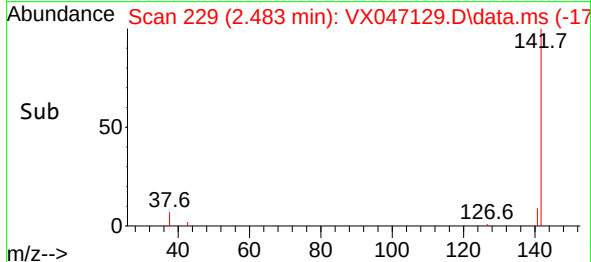
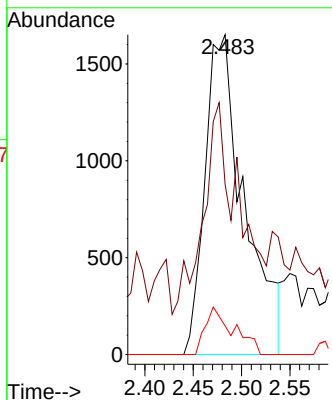
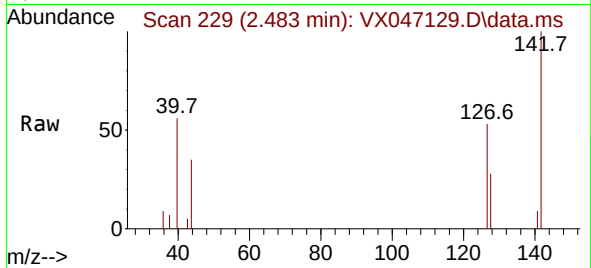




#10  
Methyl Iodide  
Concen: 1.151 ug/l  
RT: 2.483 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

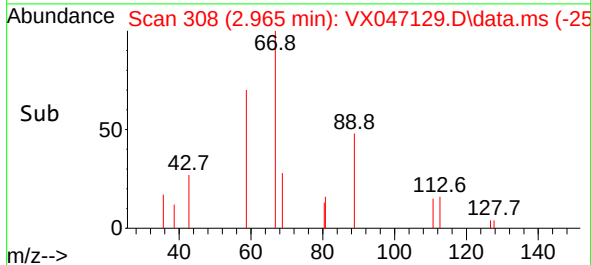
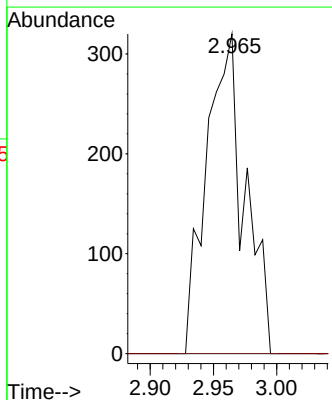
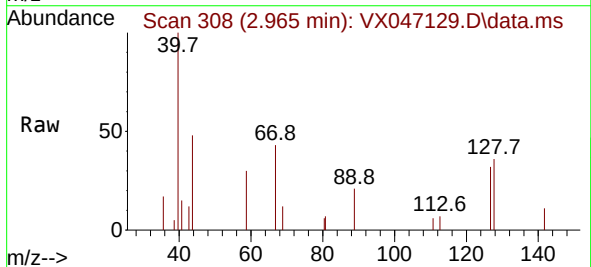
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

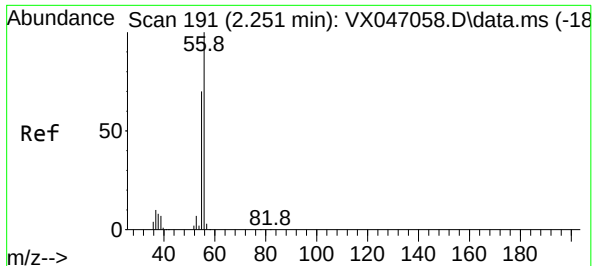
Tgt Ion:142 Resp: 4649  
Ion Ratio Lower Upper  
142 100  
127 39.7 36.6 54.8  
141 10.8 10.9 16.3#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.965 min Scan# 308  
Delta R.T. 0.007 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

Tgt Ion: 59 Resp: 671  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.446 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.000 min

Lab File: VX047129.D

Acq: 25 Jul 2025 10:08

Instrument :

MSVOA\_X

ClientSampleId :

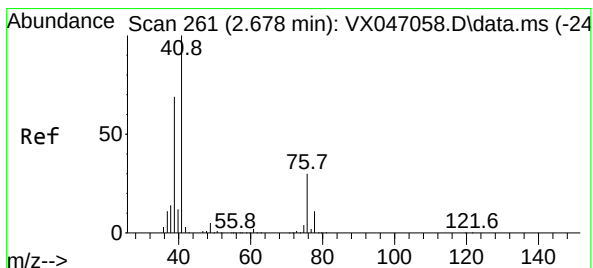
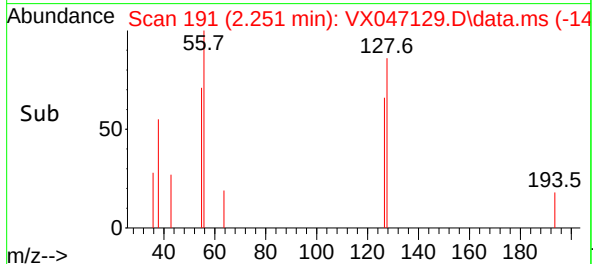
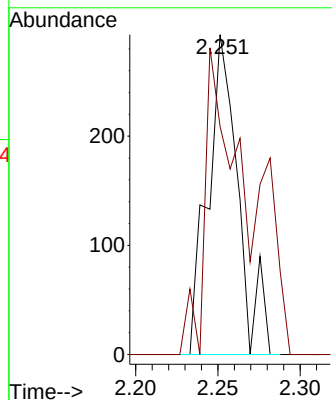
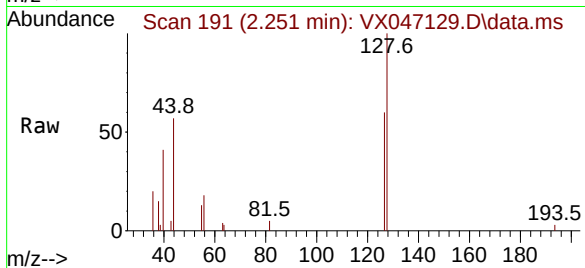
VX0725MBL01

Tgt Ion: 56 Resp: 374

Ion Ratio Lower Upper

56 100

55 98.1 55.7 83.5#



#14

Allyl chloride

Concen: 3.521 ug/l

RT: 2.684 min Scan# 262

Delta R.T. 0.006 min

Lab File: VX047129.D

Acq: 25 Jul 2025 10:08

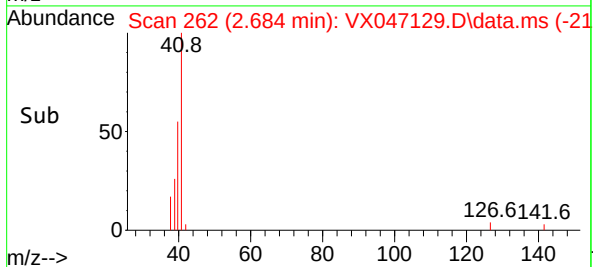
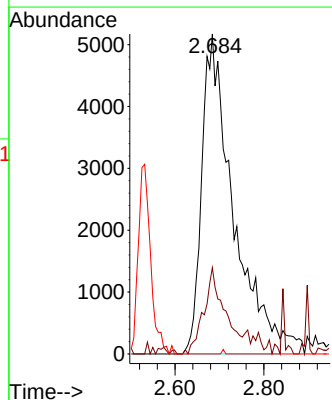
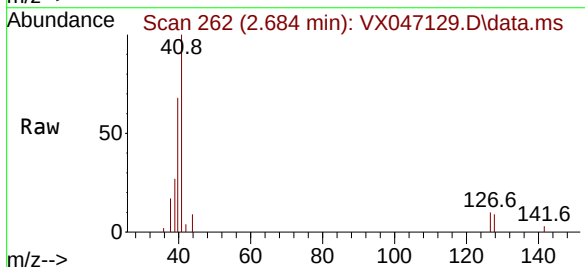
Tgt Ion: 41 Resp: 24988

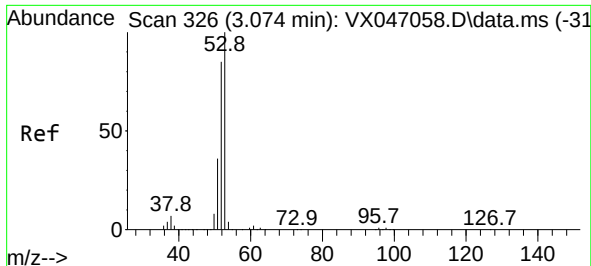
Ion Ratio Lower Upper

41 100

39 18.1 52.6 78.8#

76 0.0 25.7 38.5#





#15

Acrylonitrile

Concen: 0.275 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.031 min

Lab File: VX047129.D

Acq: 25 Jul 2025 10:08

Instrument :

MSVOA\_X

ClientSampleId :

VX0725MBL01

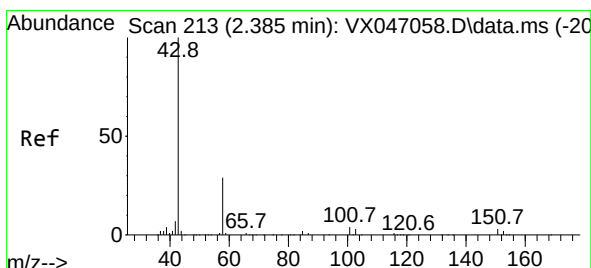
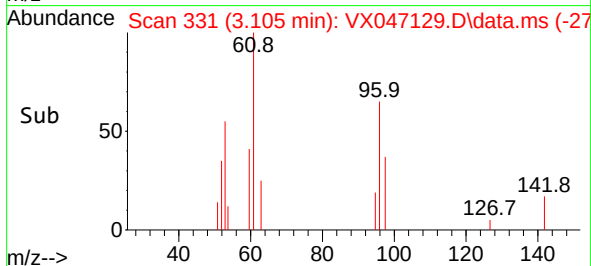
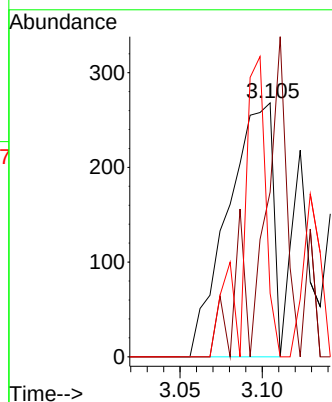
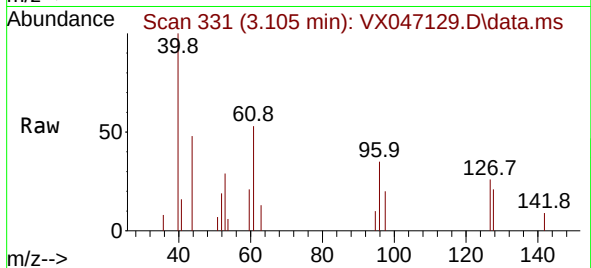
Tgt Ion: 53 Resp: 510

Ion Ratio Lower Upper

53 100

52 52.4 65.7 98.5#

51 60.6 28.8 43.2#



#16

Acetone

Concen: 1.964 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX047129.D

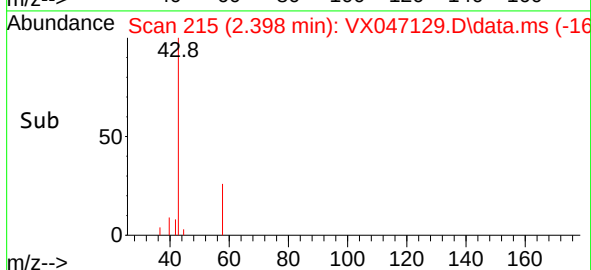
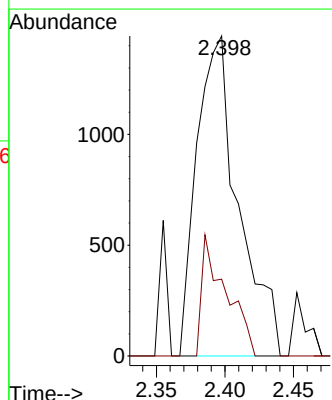
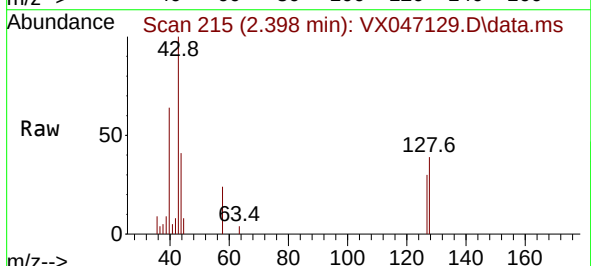
Acq: 25 Jul 2025 10:08

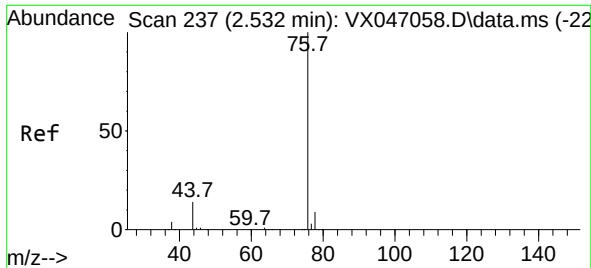
Tgt Ion: 43 Resp: 3062

Ion Ratio Lower Upper

43 100

58 17.1 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.523 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047129.D

Acq: 25 Jul 2025 10:08

Instrument :

MSVOA\_X

ClientSampleId :

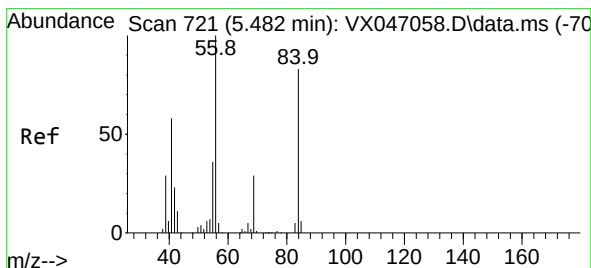
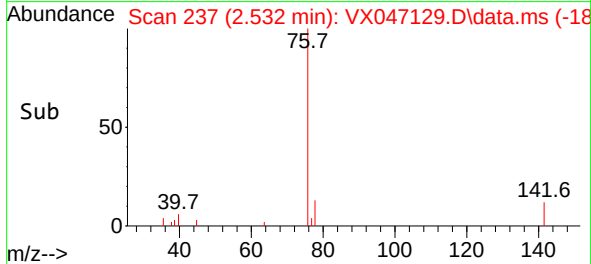
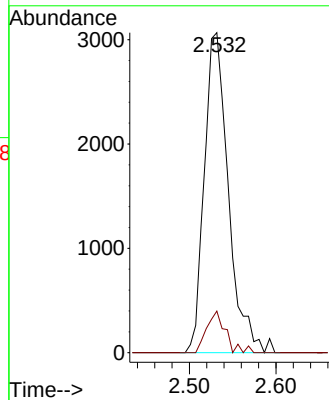
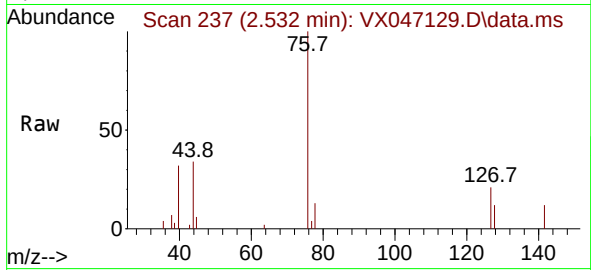
VX0725MBL01

Tgt Ion: 76 Resp: 5940

Ion Ratio Lower Upper

76 100

78 13.0 7.0 10.4#



#31

Cyclohexane

Concen: 1.062 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX047129.D

Acq: 25 Jul 2025 10:08

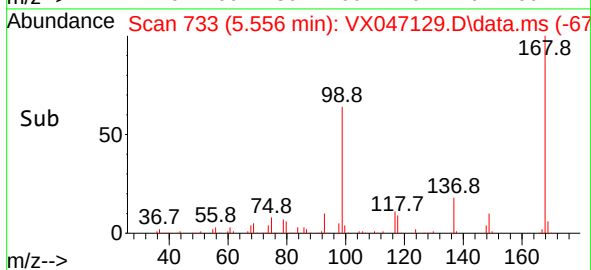
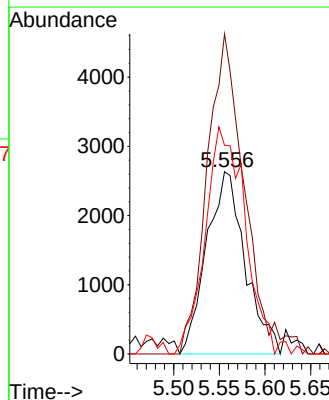
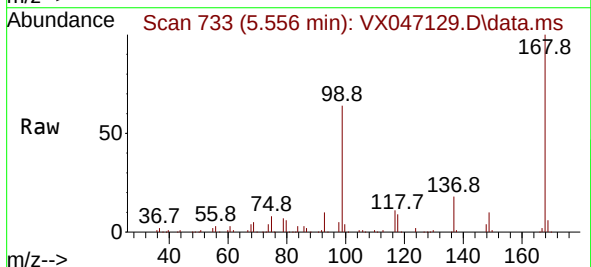
Tgt Ion: 56 Resp: 7724

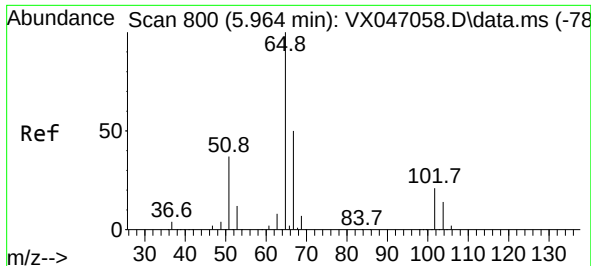
Ion Ratio Lower Upper

56 100

69 178.3 23.3 34.9#

84 109.6 66.5 99.7#

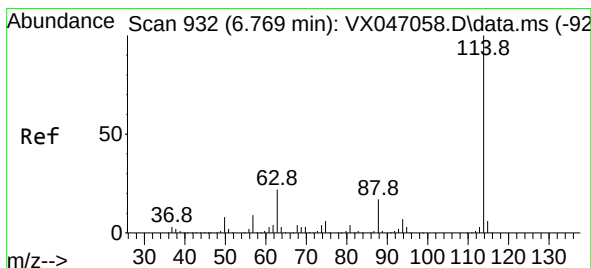
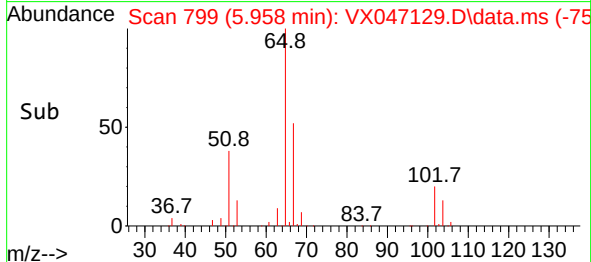
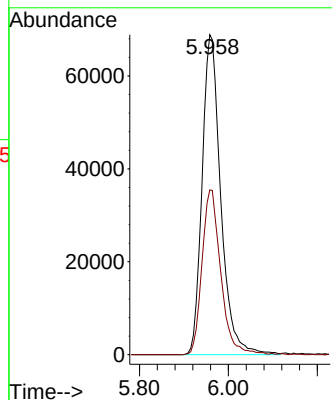
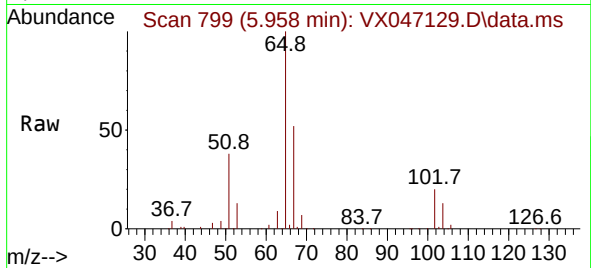




#33  
1,2-Dichloroethane-d4  
Concen: 51.823 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

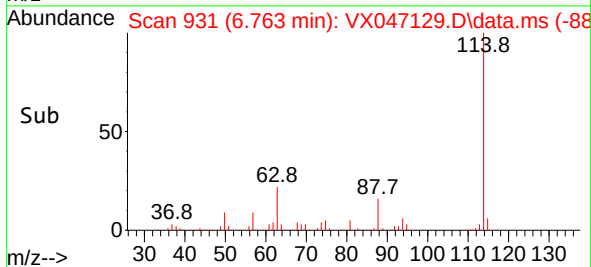
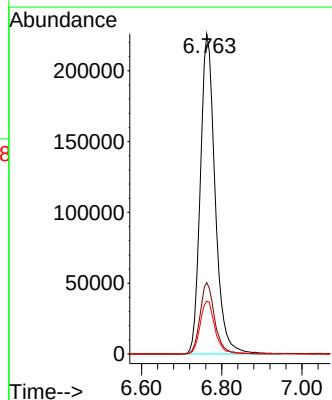
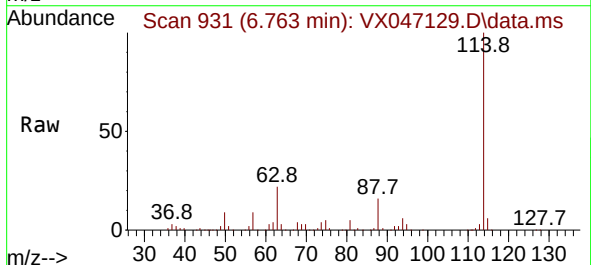
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

Tgt Ion: 65 Resp: 201696  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.8

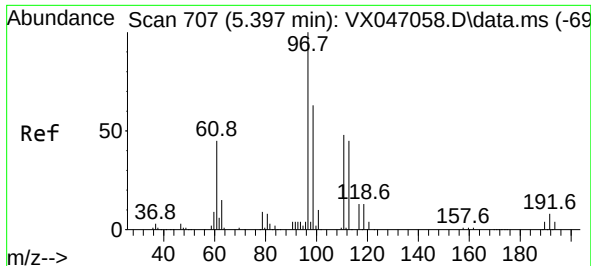


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.006 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

Tgt Ion: 114 Resp: 577249  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 43.2  
88 16.5 0.0 33.8



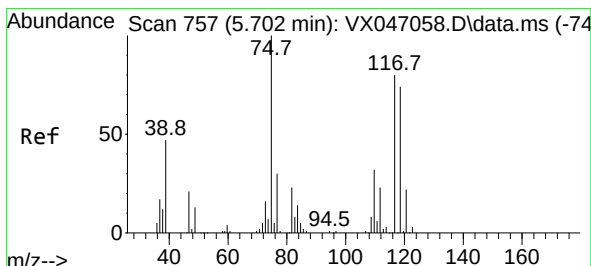
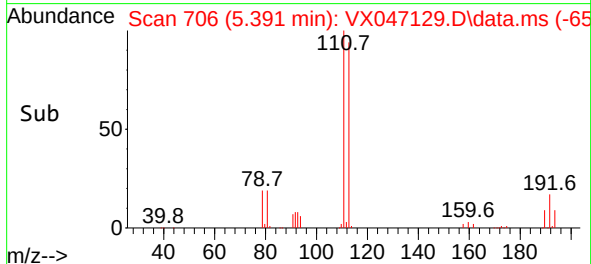
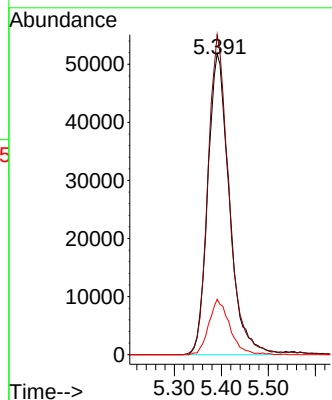
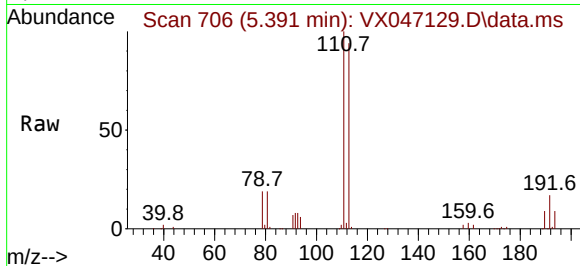




#35  
Dibromofluoromethane  
Concen: 46.391 ug/l  
RT: 5.391 min Scan# 707  
Delta R.T. -0.006 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

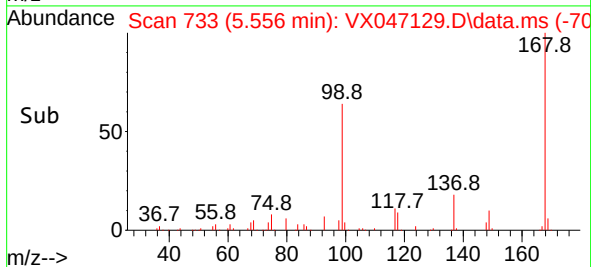
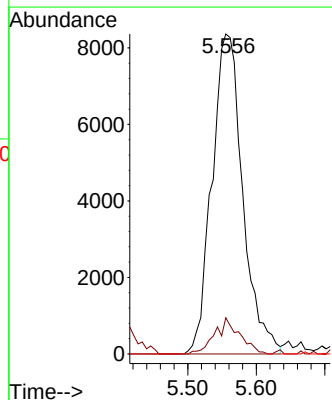
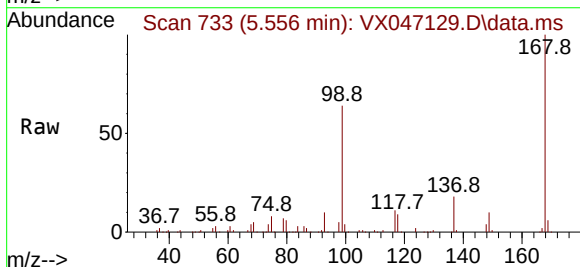
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

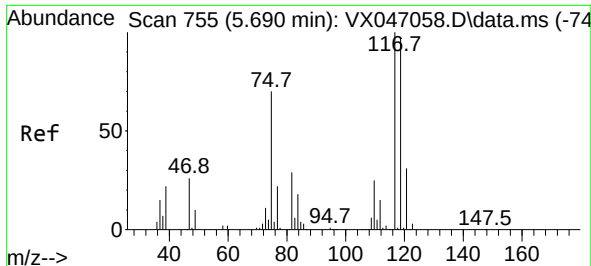
Tgt Ion:113 Resp: 165344  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 124.0  
192 17.8 14.9 22.3



#36  
1,1-Dichloropropene  
Concen: 4.286 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.146 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

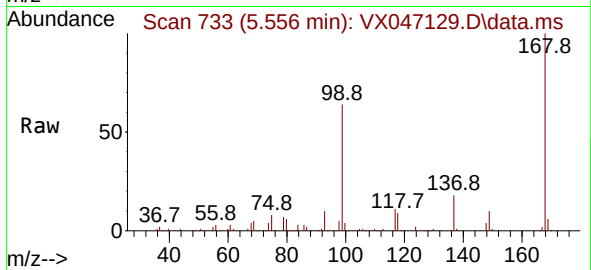
Tgt Ion: 75 Resp: 26041  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.2 51.5#  
77 0.0 25.1 37.7#



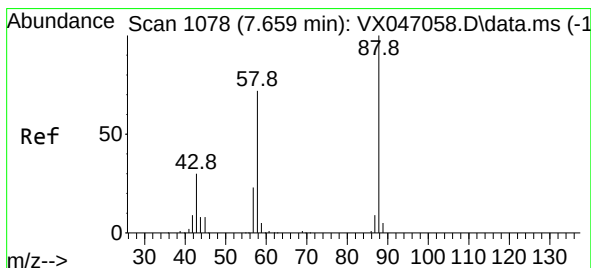
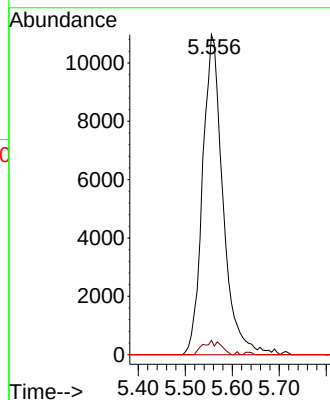
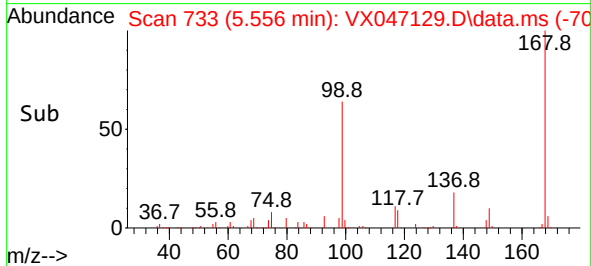


#38  
Carbon Tetrachloride  
Concen: 5.094 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

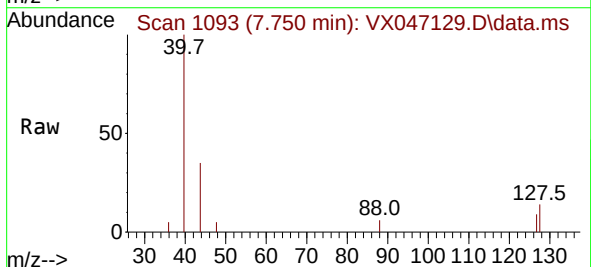
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01



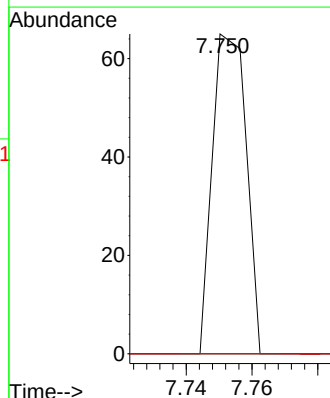
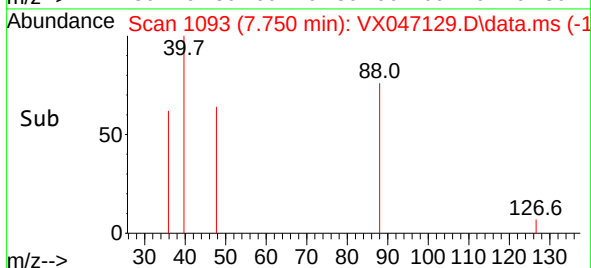
Tgt Ion:117 Resp: 33030  
Ion Ratio Lower Upper  
117 100  
119 4.5 76.6 115.0#  
121 0.0 24.4 36.6#

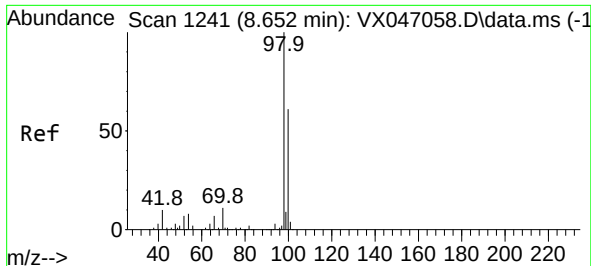


#49  
1,4-Dioxane  
Concen: 0.851 ug/l  
RT: 7.750 min Scan# 1093  
Delta R.T. 0.091 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08



Tgt Ion: 88 Resp: 46  
Ion Ratio Lower Upper  
88 100  
43 0.0 33.6 50.4#  
58 0.0 58.8 88.2#

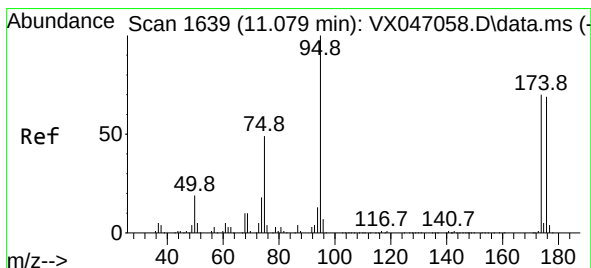
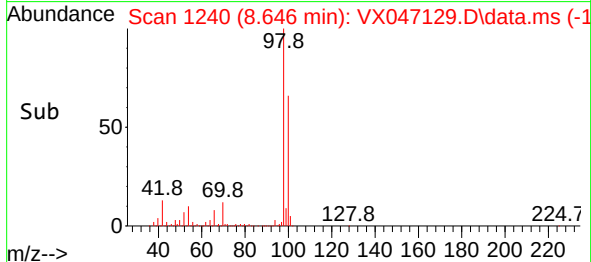
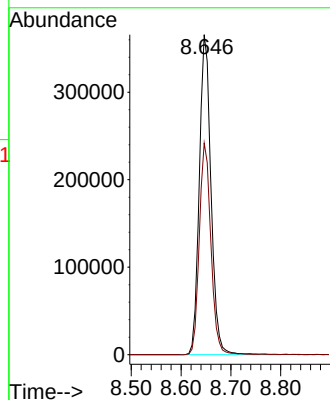
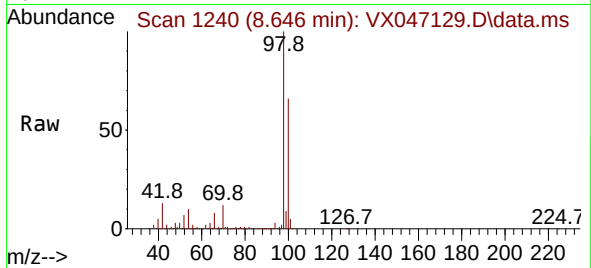




#50  
Toluene-d8  
Concen: 51.521 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

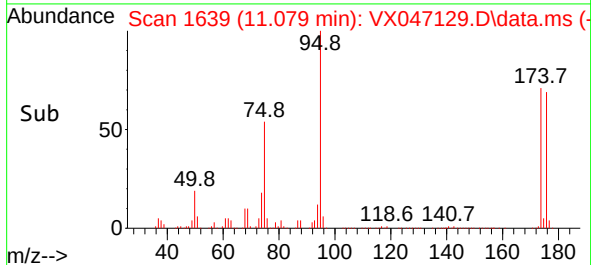
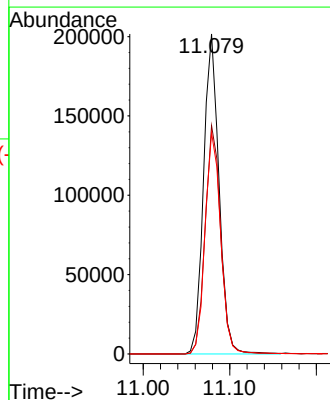
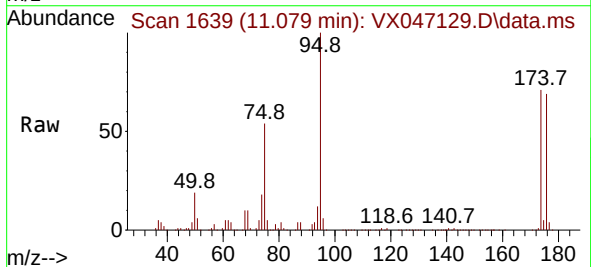
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

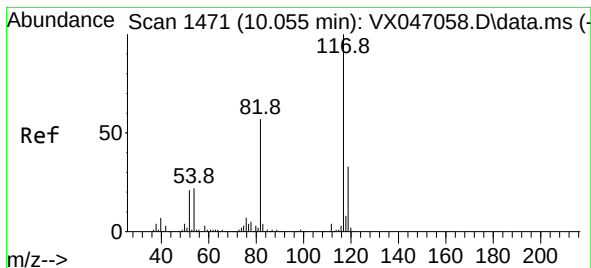
Tgt Ion: 98 Resp: 594672  
Ion Ratio Lower Upper  
98 100  
100 65.7 53.3 79.9



#62  
4-Bromofluorobenzene  
Concen: 50.156 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

Tgt Ion: 95 Resp: 249480  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 144.6  
176 70.3 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: VX047129.D

Acq: 25 Jul 2025 10:08

Instrument :

MSVOA\_X

ClientSampleId :

VX0725MBL01

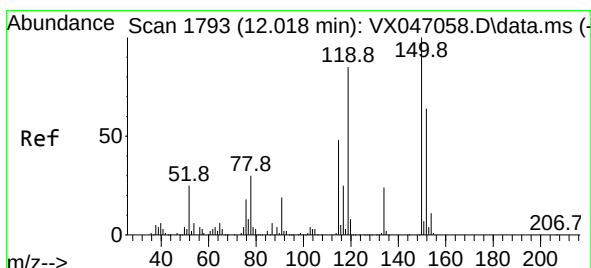
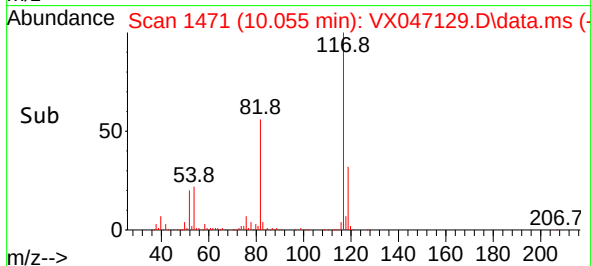
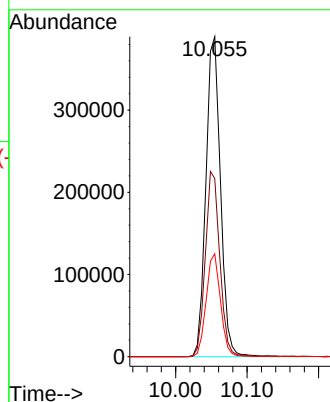
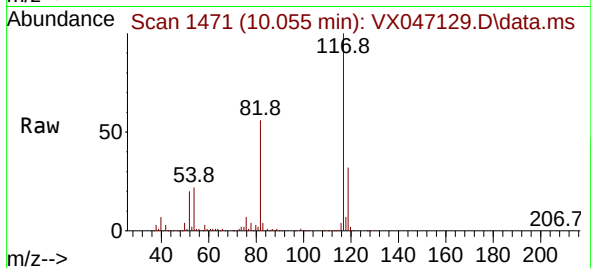
Tgt Ion:117 Resp: 552392

Ion Ratio Lower Upper

117 100

82 55.6 45.4 68.2

119 32.2 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047129.D

Acq: 25 Jul 2025 10:08

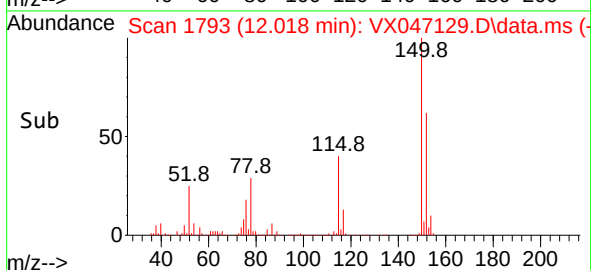
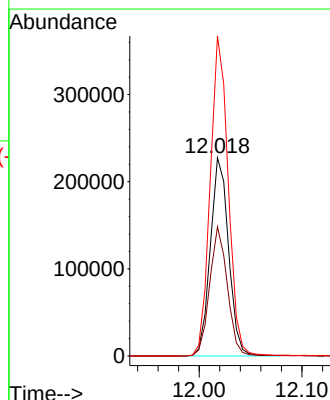
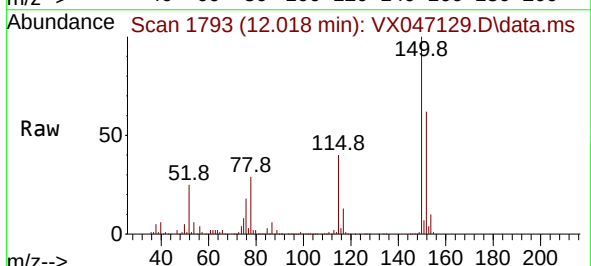
Tgt Ion:152 Resp: 280790

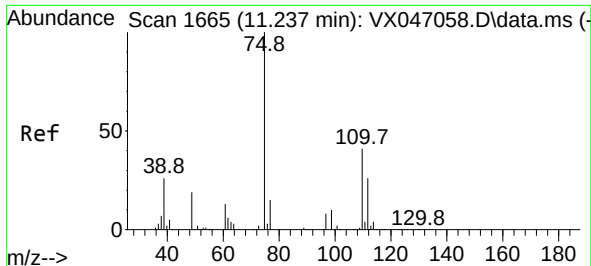
Ion Ratio Lower Upper

152 100

115 63.2 45.6 136.7

150 158.6 0.0 354.6

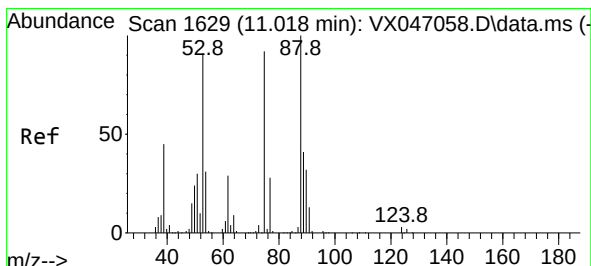
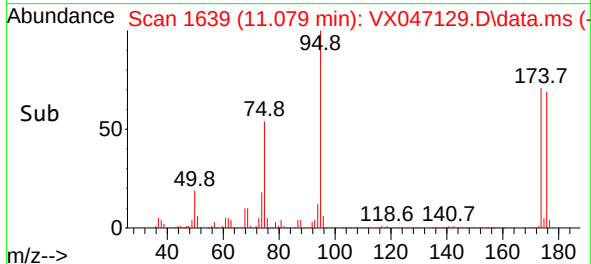
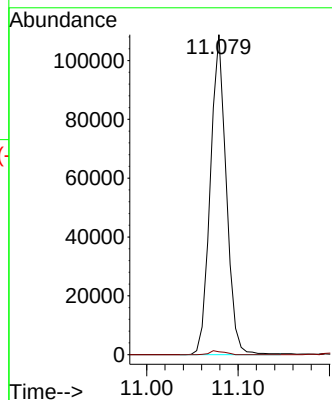
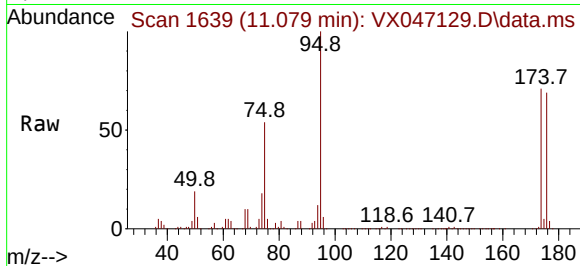




#76  
1,2,3-Trichloropropane  
Concen: 25.290 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

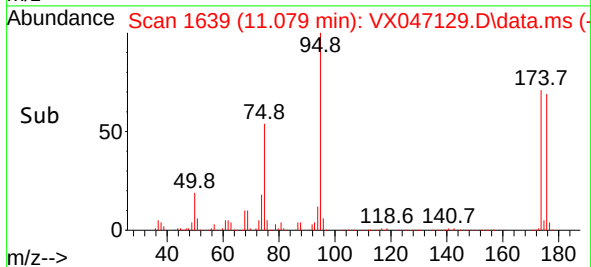
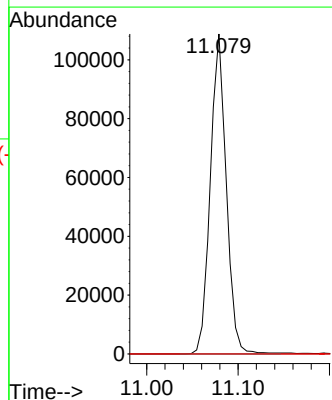
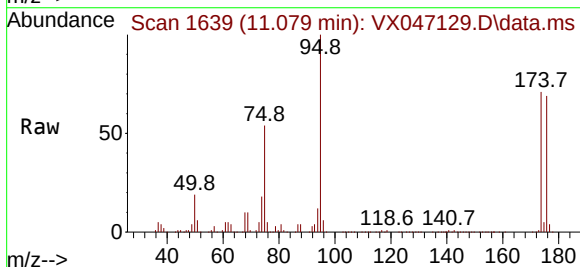
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

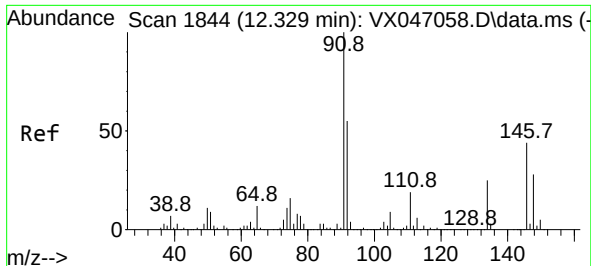
Tgt Ion: 75 Resp: 131437  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.6 65.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.156 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

Tgt Ion: 75 Resp: 131437  
Ion Ratio Lower Upper  
75 100  
53 0.0 84.2 126.4#  
89 0.0 36.0 54.0#





#89

n-Butylbenzene

Concen: 0.232 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX047129.D

Acq: 25 Jul 2025 10:08

Instrument :

MSVOA\_X

ClientSampleId :

VX0725MBL01

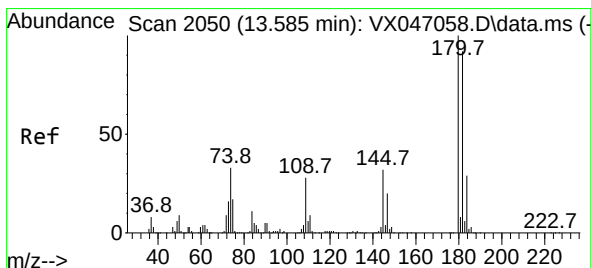
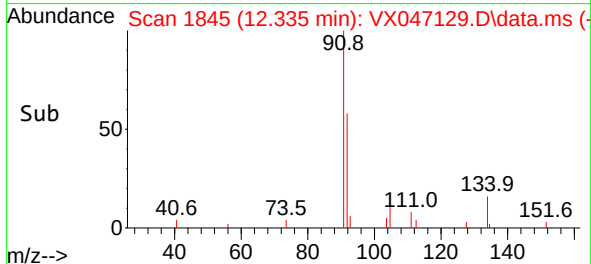
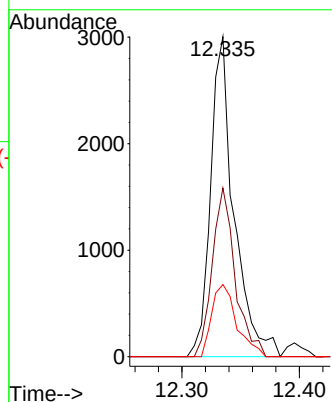
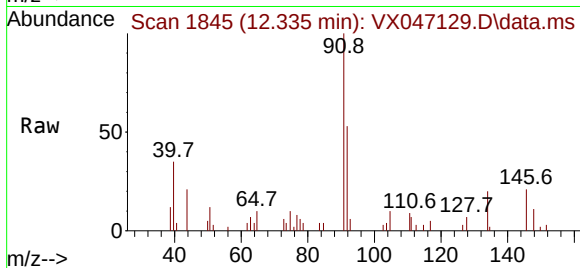
Tgt Ion: 91 Resp: 4149

Ion Ratio Lower Upper

91 100

92 51.7 27.5 82.5

134 24.1 12.8 38.3



#93

1,2,4-Trichlorobenzene

Concen: 0.378 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX047129.D

Acq: 25 Jul 2025 10:08

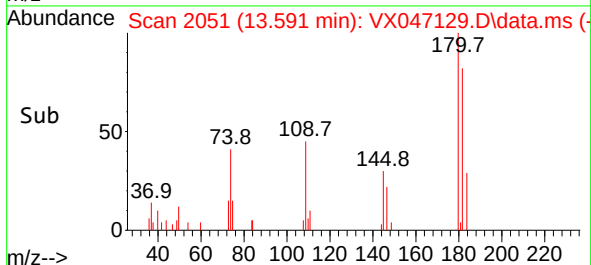
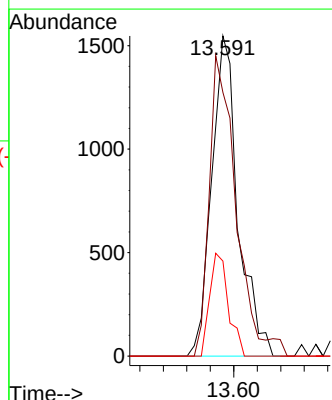
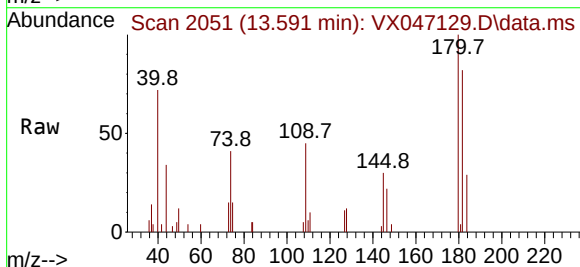
Tgt Ion:180 Resp: 2410

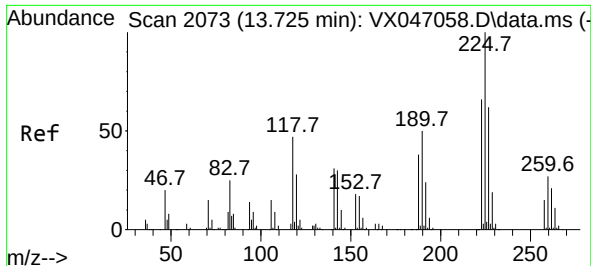
Ion Ratio Lower Upper

180 100

182 95.7 47.3 141.8

145 22.8 16.4 49.1

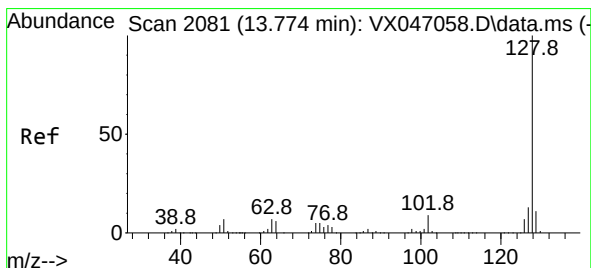
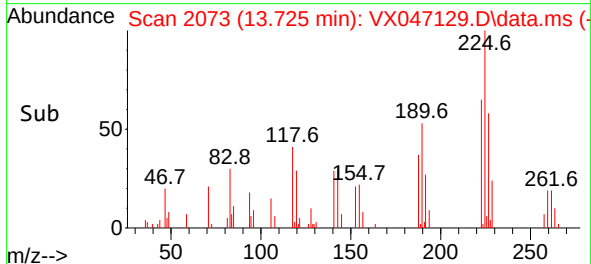
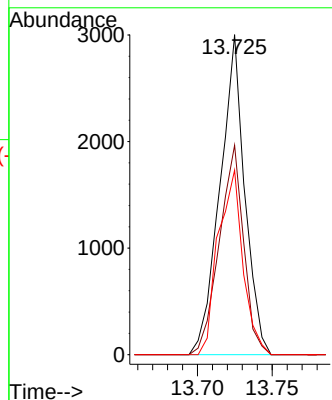
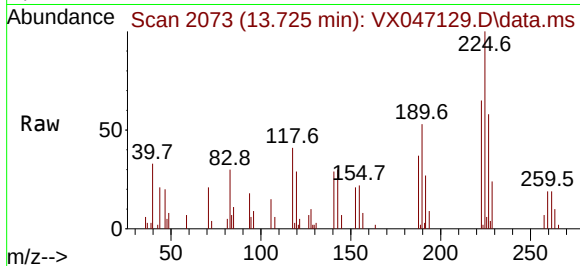




#94  
Hexachlorobutadiene  
Concen: 1.596 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

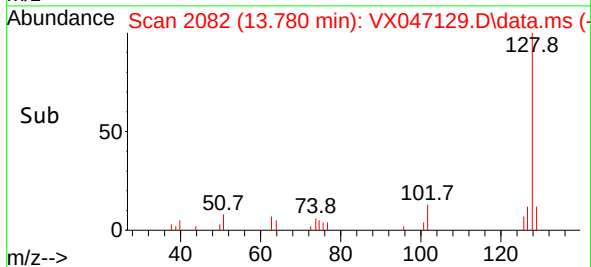
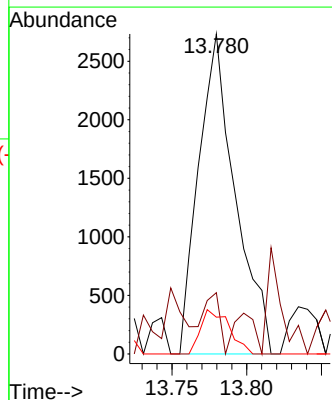
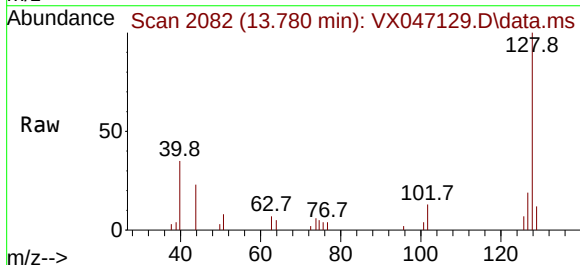
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

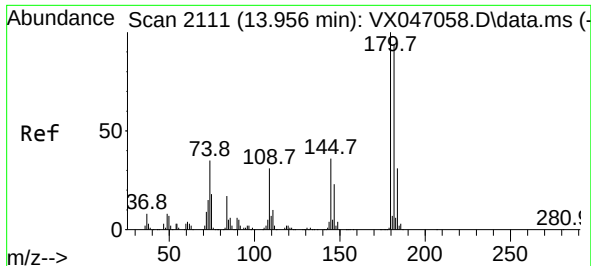
Tgt Ion:225 Resp: 3460  
Ion Ratio Lower Upper  
225 100  
223 64.2 31.6 95.0  
227 57.6 32.9 98.6



#95  
Naphthalene  
Concen: 0.249 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX047129.D  
Acq: 25 Jul 2025 10:08

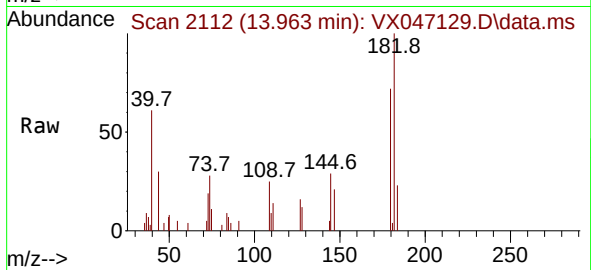
Tgt Ion:128 Resp: 4655  
Ion Ratio Lower Upper  
128 100  
127 9.6 10.1 15.1#  
129 10.8 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.318 ug/l  
 RT: 13.963 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VX047129.D  
 Acq: 25 Jul 2025 10:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0725MBL01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1956  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 106.6 | 46.9  | 140.6 |
| 145      | 42.9  | 17.3  | 52.0  |

