

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060625\  
 Data File : VX046553.D  
 Acq On : 07 Jun 2025 03:48  
 Operator : JC/MD  
 Sample : Q2236-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-A2-05-G

Quant Time: Jun 07 04:30:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 06 16:56:12 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.568  | 168  | 110747   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.775  | 114  | 216037   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 229658   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 120264   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.970  | 65    | 95242    | 48.339   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 96.680%  |
| 35) Dibromofluoromethane    | 5.403  | 113   | 64620    | 40.674   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 81.340%  |
| 50) Toluene-d8              | 8.653  | 98    | 275505   | 52.599   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 105.200% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 128722   | 59.397   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 118.800% |

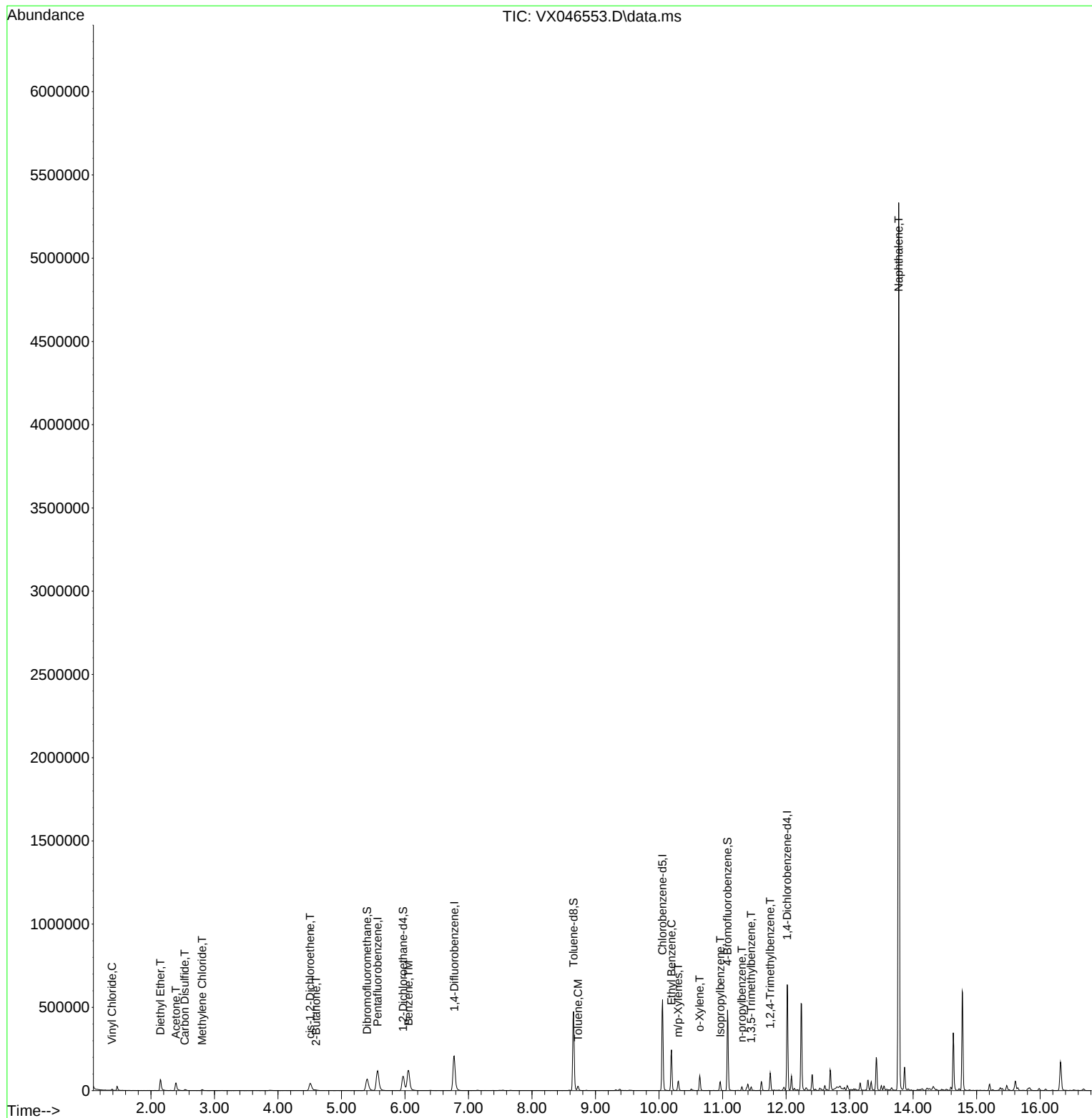
| Target Compounds           |        |     |         |         |        | Qvalue |
|----------------------------|--------|-----|---------|---------|--------|--------|
| 4) Vinyl Chloride          | 1.386  | 62  | 4593    | 3.292   | ug/l   | 95     |
| 8) Diethyl Ether           | 2.148  | 74  | 26376   | 32.342  | ug/l   | 93     |
| 16) Acetone                | 2.392  | 43  | 57966   | 78.136  | ug/l   | 96     |
| 17) Carbon Disulfide       | 2.532  | 76  | 2885    | 1.232   | ug/l # | 94     |
| 20) Methylene Chloride     | 2.806  | 84  | 2867    | 1.814   | ug/l # | 77     |
| 25) 2-Butanone             | 4.599  | 43  | 6169    | 5.624   | ug/l   | 93     |
| 27) cis-1,2-Dichloroethene | 4.507  | 96  | 29103   | 16.990  | ug/l   | 87     |
| 40) Benzene                | 6.056  | 78  | 154685  | 24.212  | ug/l   | 98     |
| 52) Toluene                | 8.726  | 92  | 9726    | 2.478   | ug/l   | 96     |
| 67) Ethyl Benzene          | 10.195 | 91  | 139651  | 14.810  | ug/l   | 99     |
| 68) m/p-Xylenes            | 10.299 | 106 | 13276   | 3.881   | ug/l   | 97     |
| 69) o-Xylene               | 10.640 | 106 | 18392   | 5.559   | ug/l   | 99     |
| 73) Isopropylbenzene       | 10.963 | 105 | 26418   | 2.794   | ug/l   | 98     |
| 78) n-propylbenzene        | 11.305 | 91  | 13606   | 1.189   | ug/l   | 99     |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 9179    | 1.165   | ug/l   | 97     |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 44473   | 5.580   | ug/l   | 99     |
| 95) Naphthalene            | 13.774 | 128 | 3061111 | 344.030 | ug/l   | 99     |

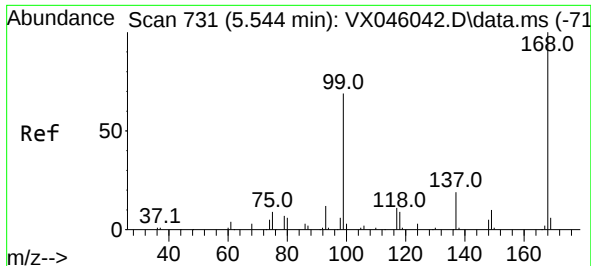
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060625\  
Data File : VX046553.D  
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Operator : JC/MD  
Sample : Q2236-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

Quant Time: Jun 07 04:30:23 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 06 16:56:12 2025  
Response via : Initial Calibration

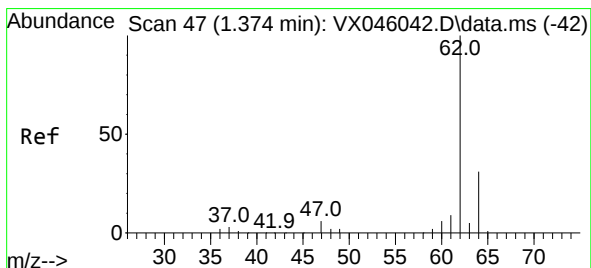
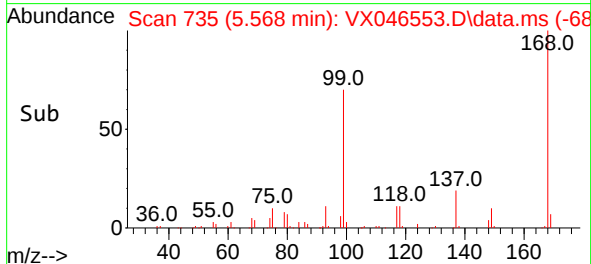
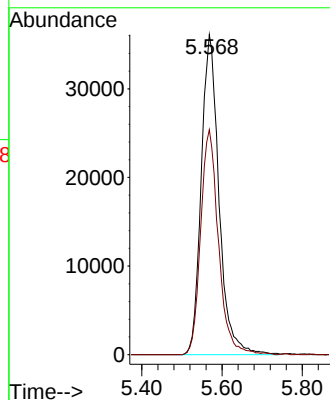
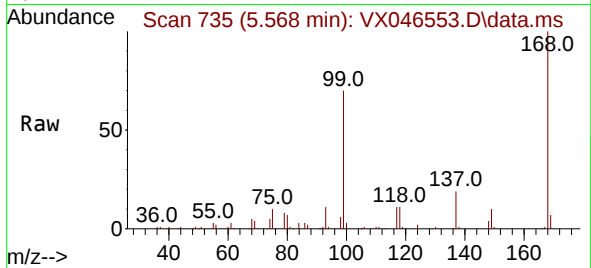




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.568 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

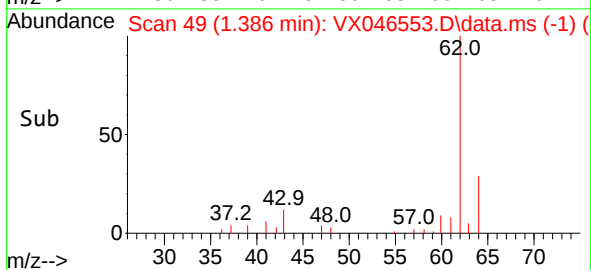
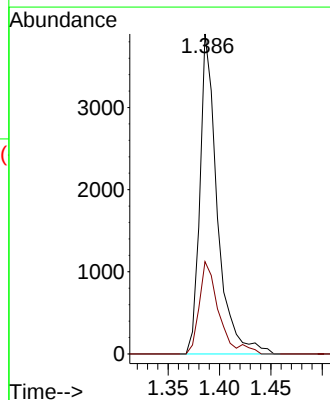
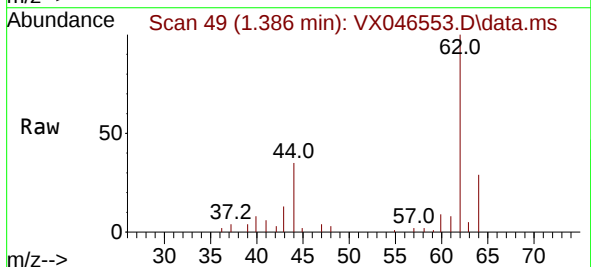
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

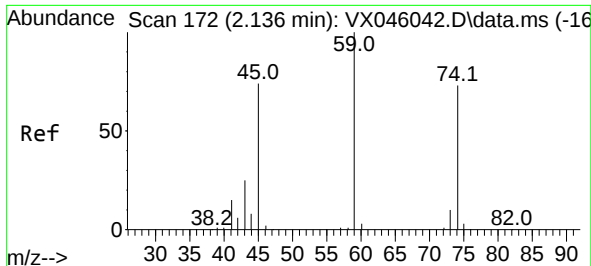
Tgt Ion:168 Resp: 110747  
Ion Ratio Lower Upper  
168 100  
99 70.3 54.9 82.3



#4  
Vinyl Chloride  
Concen: 3.292 ug/l  
RT: 1.386 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion: 62 Resp: 4593  
Ion Ratio Lower Upper  
62 100  
64 28.9 25.2 37.8

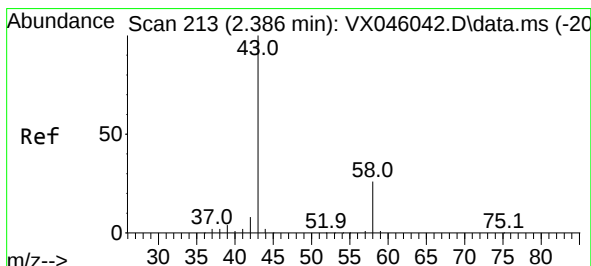
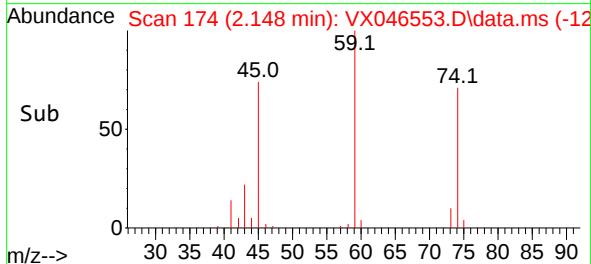
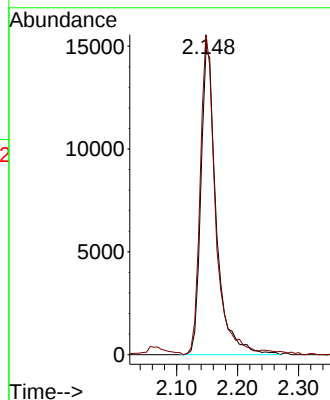
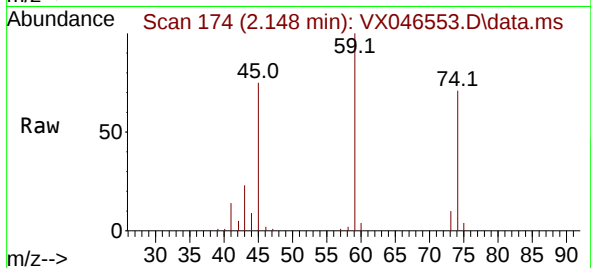




#8  
Diethyl Ether  
Concen: 32.342 ug/l  
RT: 2.148 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

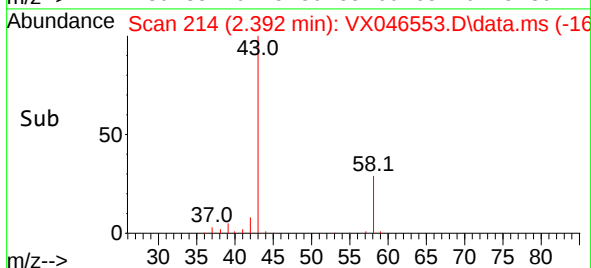
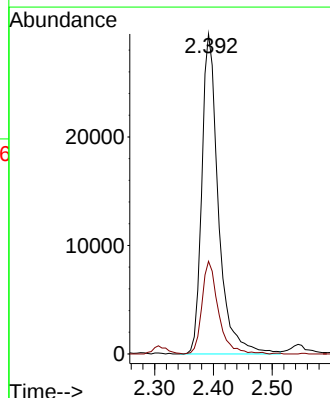
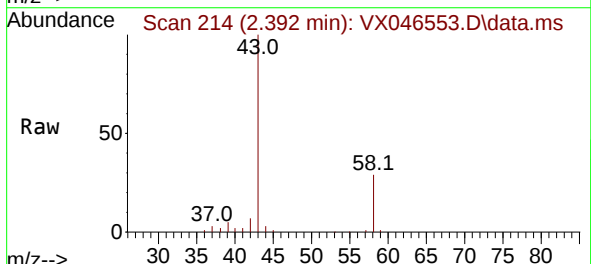
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

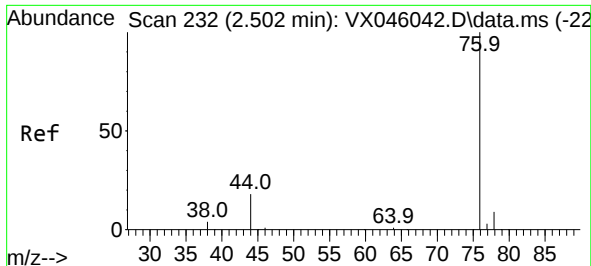
Tgt Ion: 74 Resp: 26376  
Ion Ratio Lower Upper  
74 100  
45 102.6 54.9 164.8



#16  
Acetone  
Concen: 78.136 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion: 43 Resp: 57966  
Ion Ratio Lower Upper  
43 100  
58 28.7 21.2 31.8

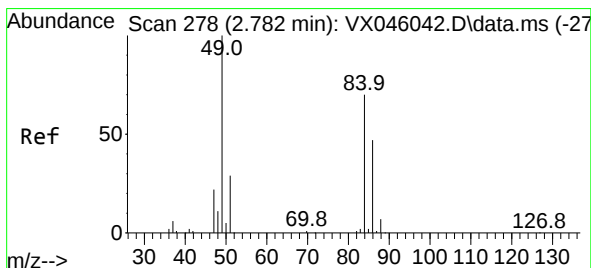
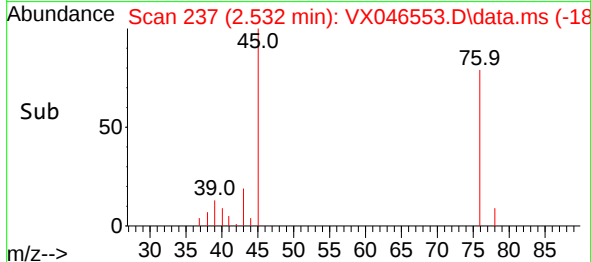
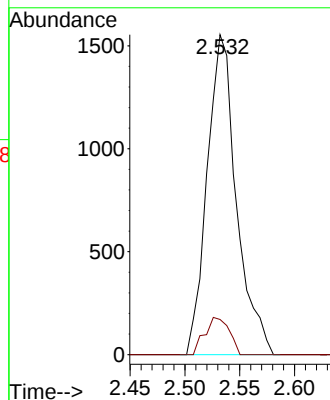
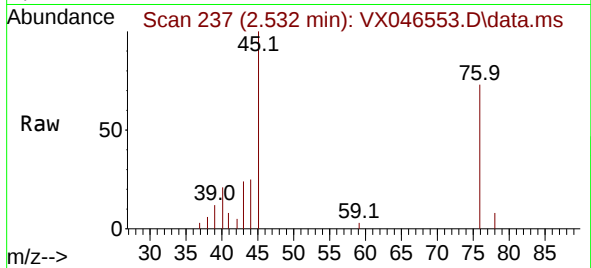




#17  
Carbon Disulfide  
Concen: 1.232 ug/l  
RT: 2.532 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

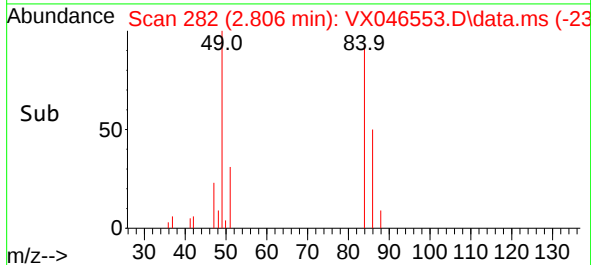
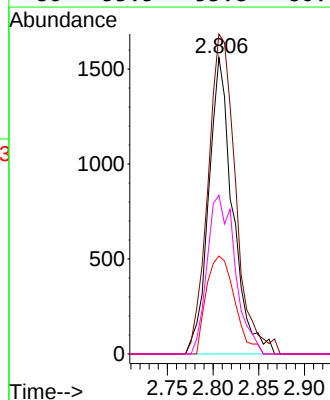
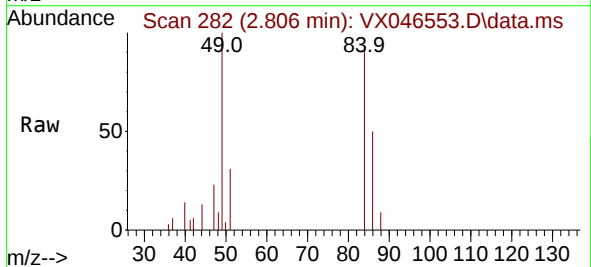
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

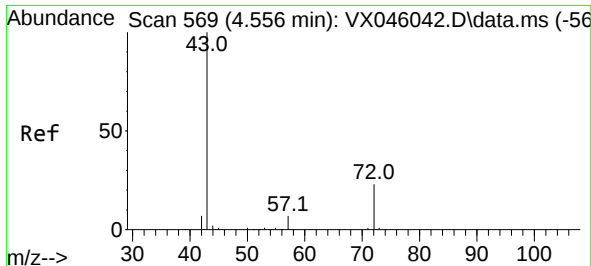
Tgt Ion: 76 Resp: 2885  
Ion Ratio Lower Upper  
76 100  
78 11.0 7.0 10.4#



#20  
Methylene Chloride  
Concen: 1.814 ug/l  
RT: 2.806 min Scan# 282  
Delta R.T. 0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion: 84 Resp: 2867  
Ion Ratio Lower Upper  
84 100  
49 107.9 113.9 170.9#  
51 33.0 33.5 50.3#  
86 53.5 53.8 80.8#





#25

2-Butanone

Concen: 5.624 ug/l

RT: 4.599 min Scan# 5

Delta R.T. 0.025 min

Lab File: VX046553.D

Acq: 07 Jun 2025 03:48

Instrument :

MSVOA\_X

ClientSampleId :

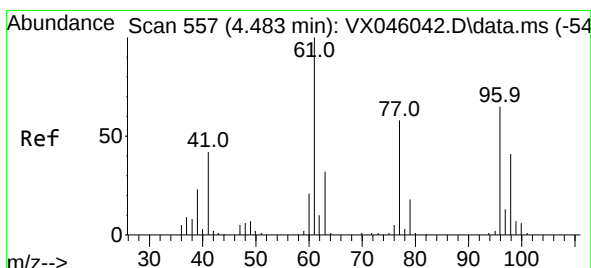
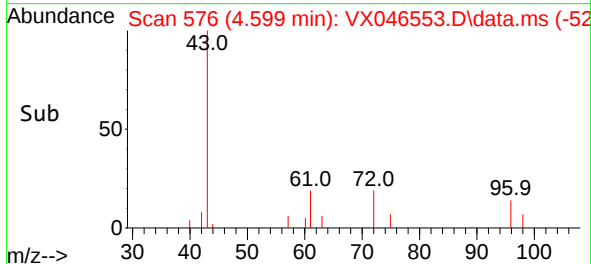
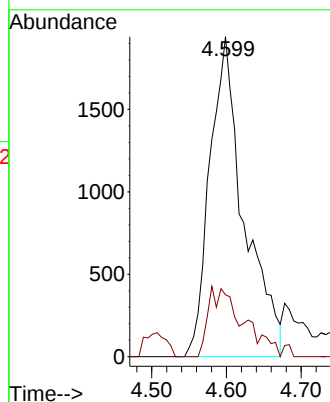
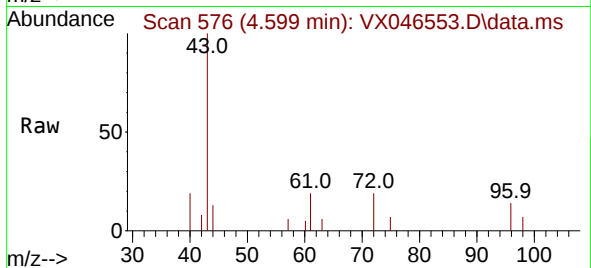
WC-A2-05-G

Tgt Ion: 43 Resp: 6169

Ion Ratio Lower Upper

43 100

72 19.4 18.4 27.6



#27

cis-1,2-Dichloroethene

Concen: 16.990 ug/l

RT: 4.507 min Scan# 561

Delta R.T. 0.000 min

Lab File: VX046553.D

Acq: 07 Jun 2025 03:48

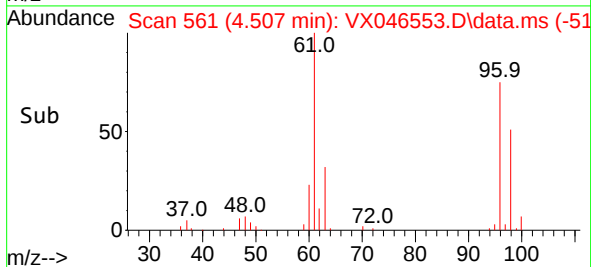
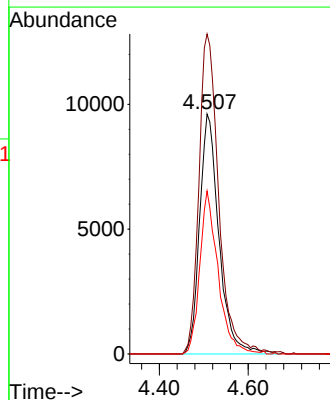
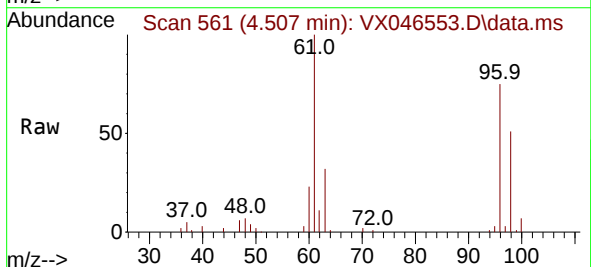
Tgt Ion: 96 Resp: 29103

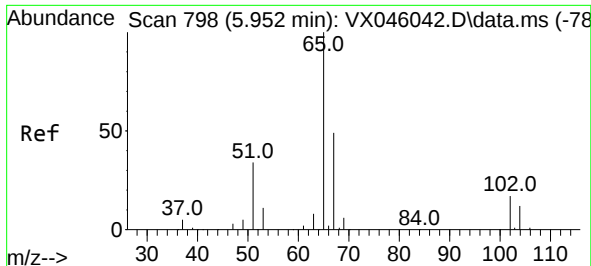
Ion Ratio Lower Upper

96 100

61 136.5 0.0 322.8

98 64.6 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 48.339 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046553.D

Acq: 07 Jun 2025 03:48

Instrument :

MSVOA\_X

ClientSampleId :

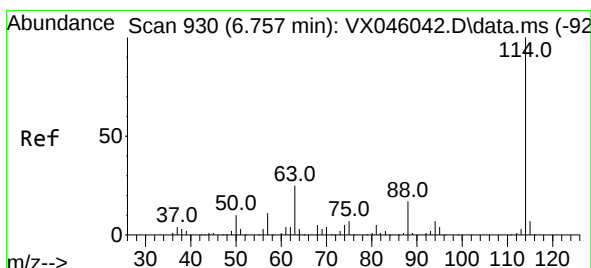
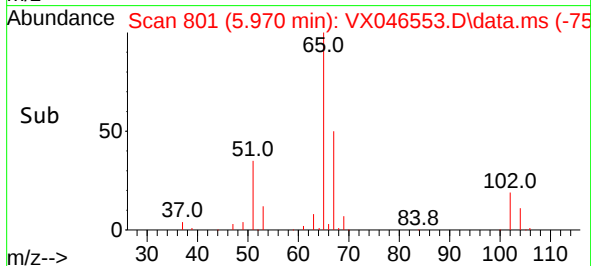
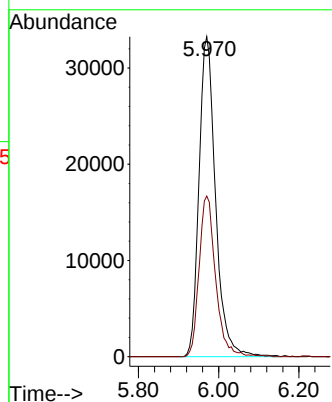
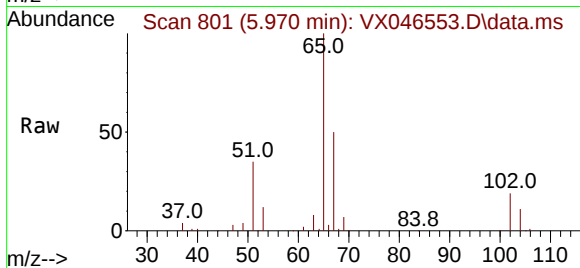
WC-A2-05-G

Tgt Ion: 65 Resp: 95242

Ion Ratio Lower Upper

65 100

67 50.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046553.D

Acq: 07 Jun 2025 03:48

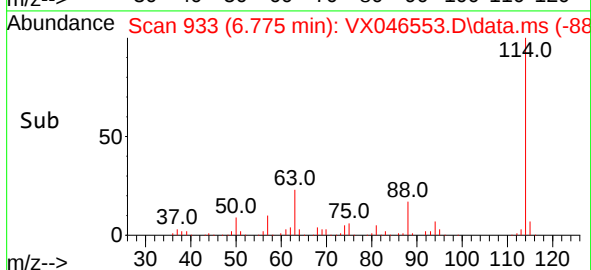
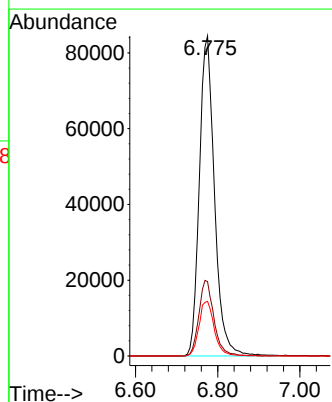
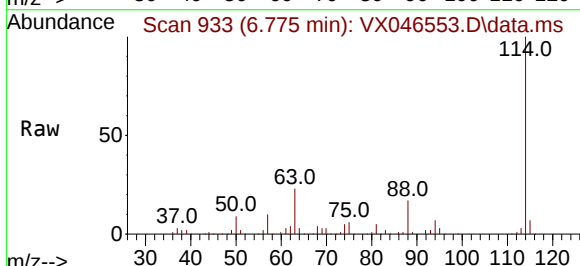
Tgt Ion: 114 Resp: 216037

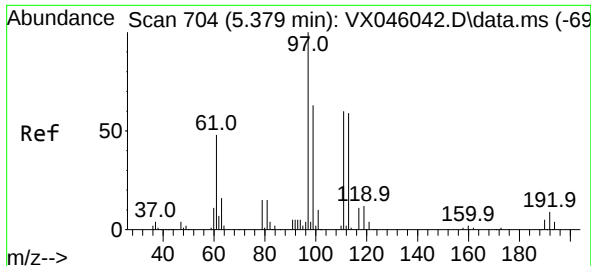
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.2

88 17.1 0.0 33.6

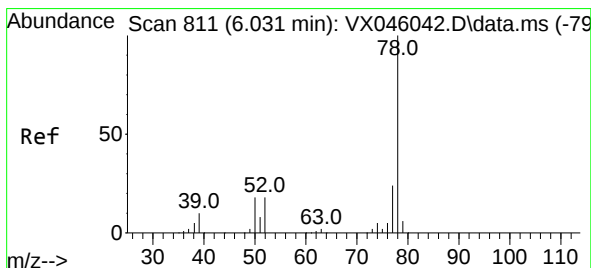
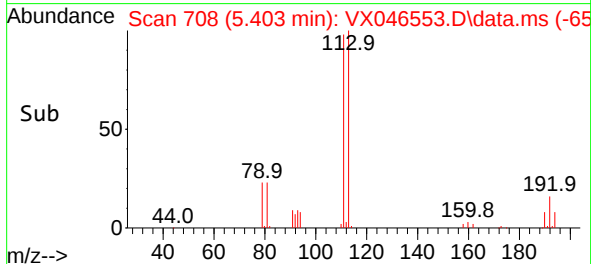
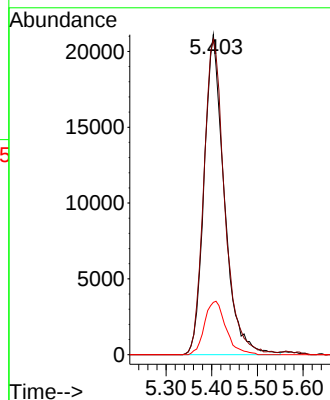
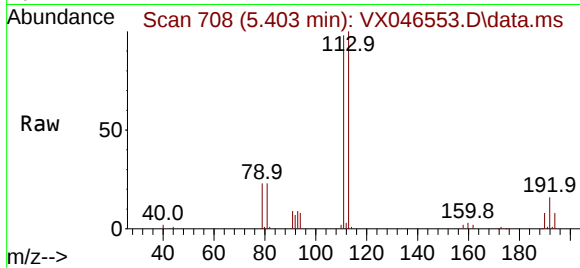




#35  
Dibromofluoromethane  
Concen: 40.674 ug/l  
RT: 5.403 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

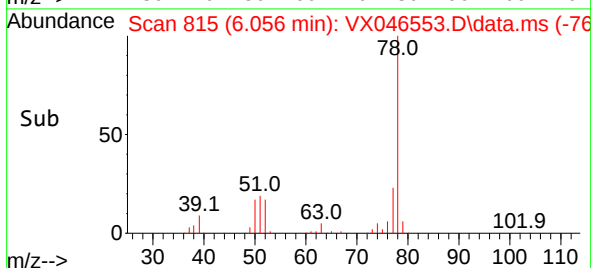
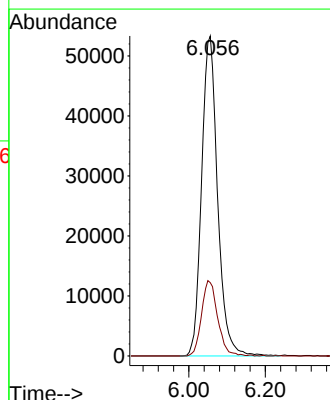
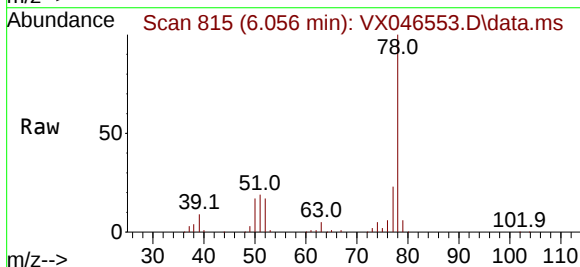
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

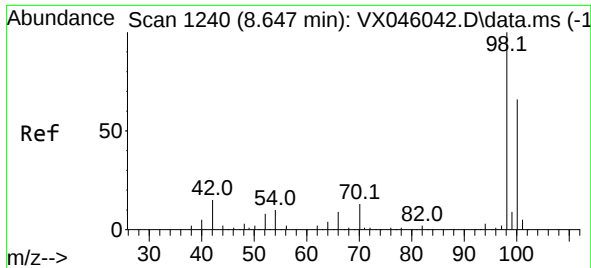
Tgt Ion:113 Resp: 64620  
Ion Ratio Lower Upper  
113 100  
111 101.7 83.1 124.7  
192 17.8 13.3 19.9



#40  
Benzene  
Concen: 24.212 ug/l  
RT: 6.056 min Scan# 815  
Delta R.T. -0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion: 78 Resp: 154685  
Ion Ratio Lower Upper  
78 100  
77 22.9 19.0 28.4

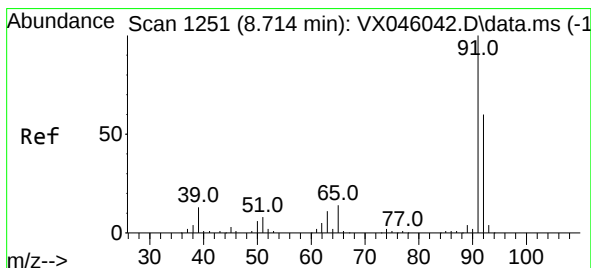
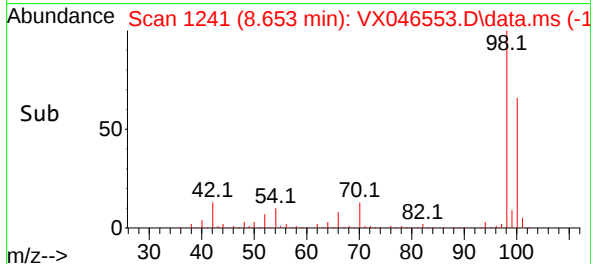
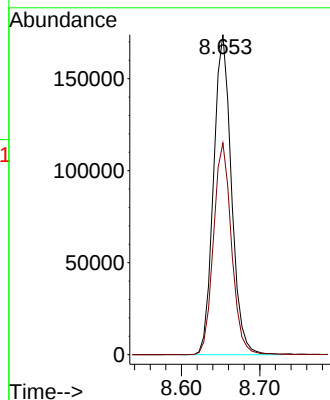
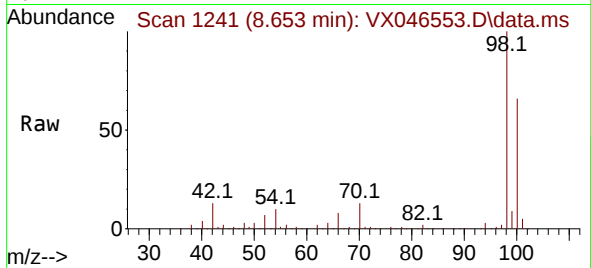




#50  
Toluene-d8  
Concen: 52.599 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

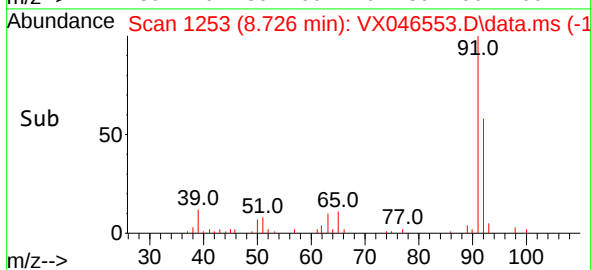
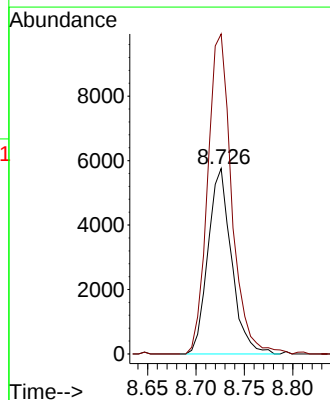
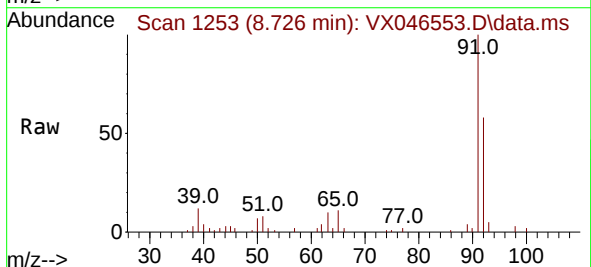
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

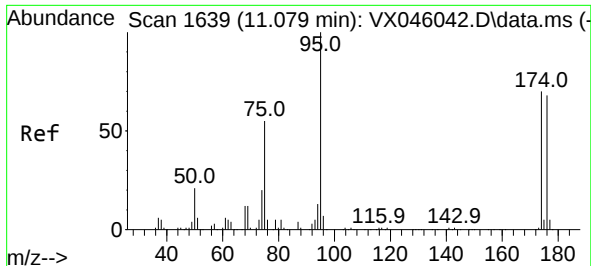
Tgt Ion: 98 Resp: 275505  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.5 80.3



#52  
Toluene  
Concen: 2.478 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.006 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion: 92 Resp: 9726  
Ion Ratio Lower Upper  
92 100  
91 176.7 136.6 205.0

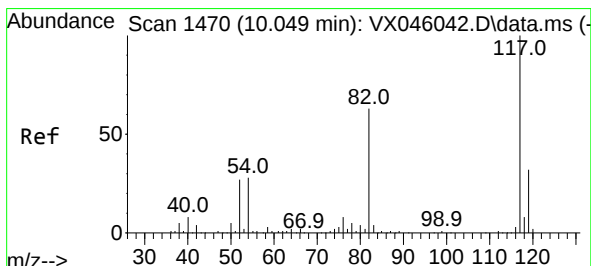
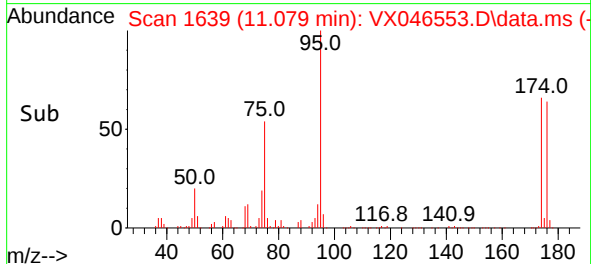
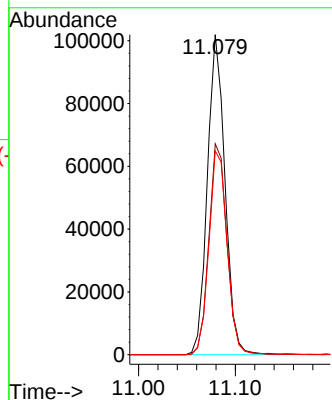
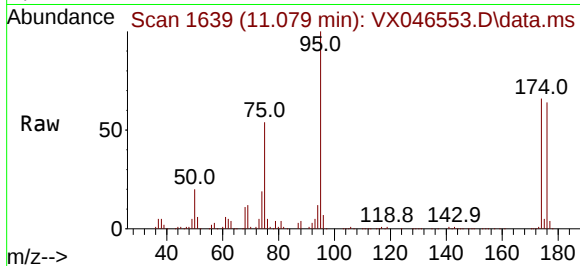




#62  
4-Bromofluorobenzene  
Concen: 59.397 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

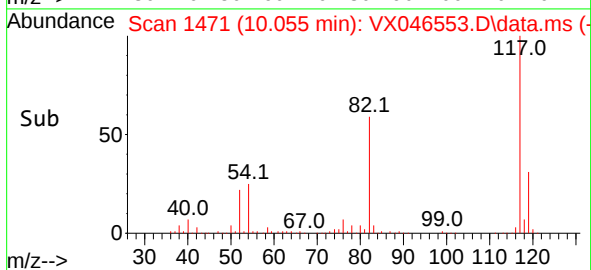
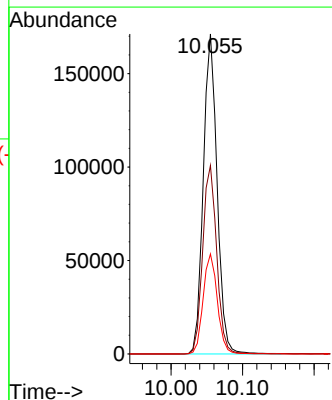
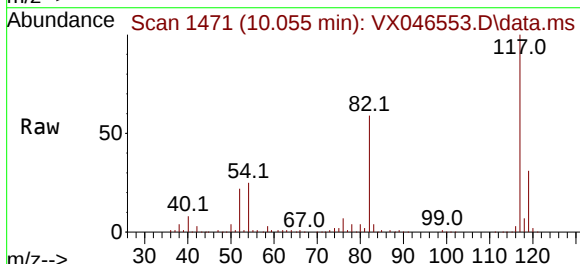
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

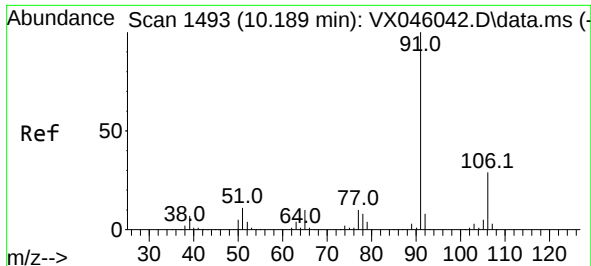
Tgt Ion: 95 Resp: 128722  
Ion Ratio Lower Upper  
95 100  
174 67.6 0.0 135.8  
176 66.0 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion: 117 Resp: 229658  
Ion Ratio Lower Upper  
117 100  
82 58.9 50.6 76.0  
119 31.2 25.8 38.6

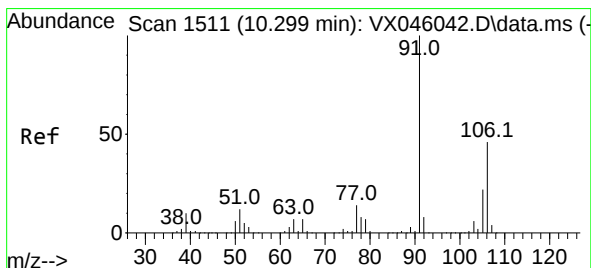
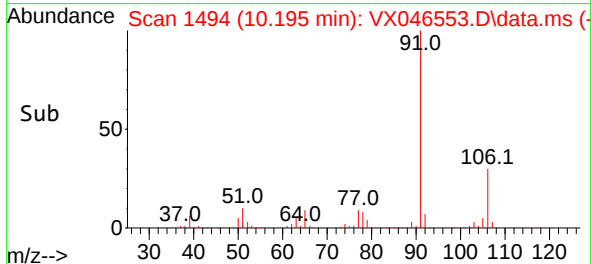
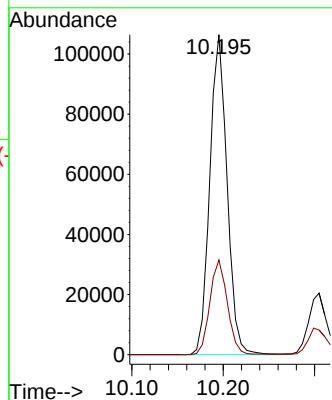
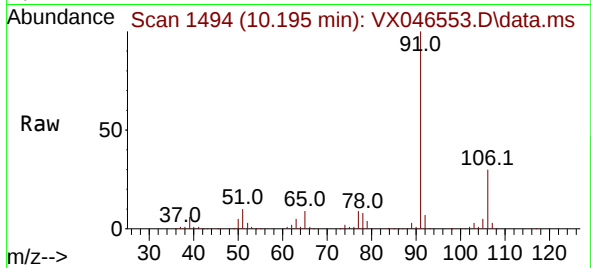




#67  
Ethyl Benzene  
Concen: 14.810 ug/l  
RT: 10.195 min Scan# 1493  
Delta R.T. 0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

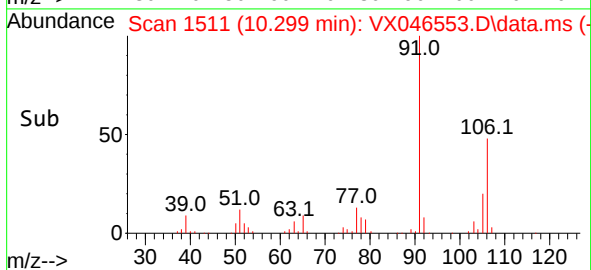
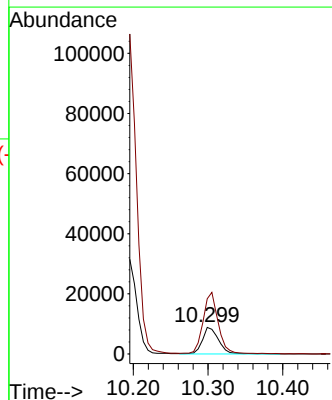
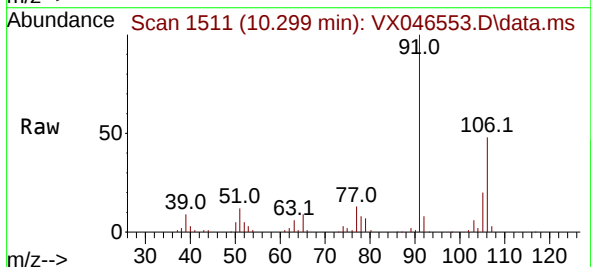
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

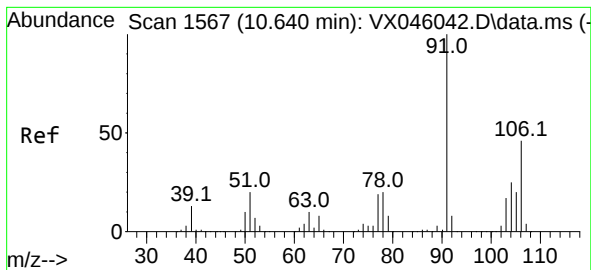
Tgt Ion: 91 Resp: 139651  
Ion Ratio Lower Upper  
91 100  
106 29.6 23.4 35.2



#68  
m/p-Xylenes  
Concen: 3.881 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion: 106 Resp: 13276  
Ion Ratio Lower Upper  
106 100  
91 218.4 171.2 256.8

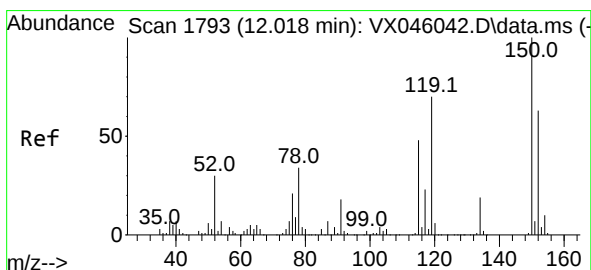
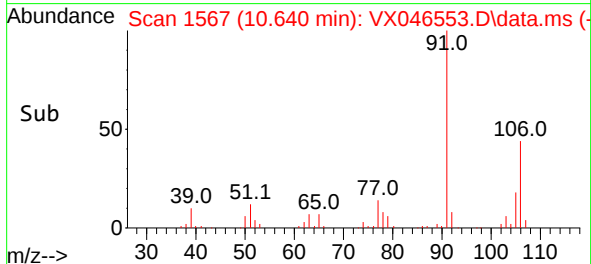
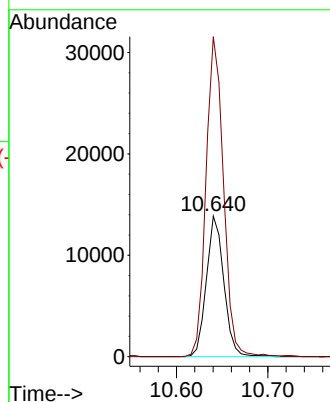
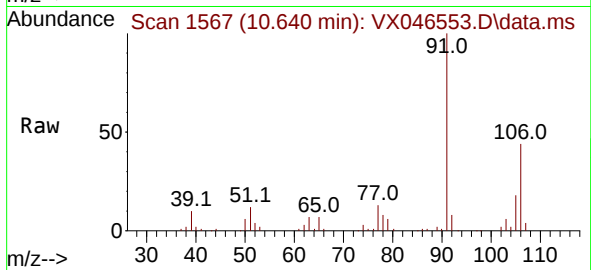




#69  
o-Xylene  
Concen: 5.559 ug/l  
RT: 10.640 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

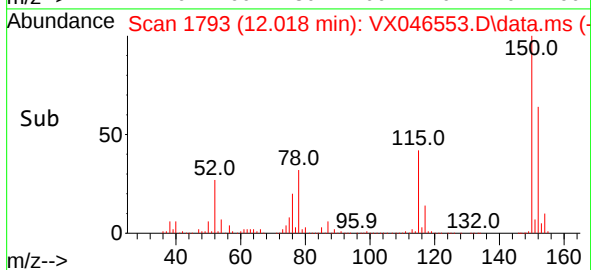
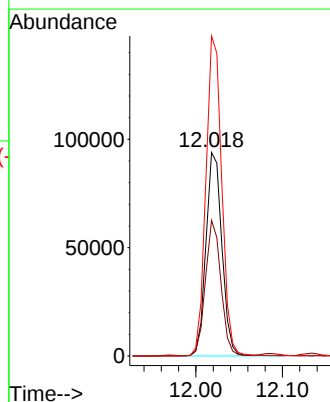
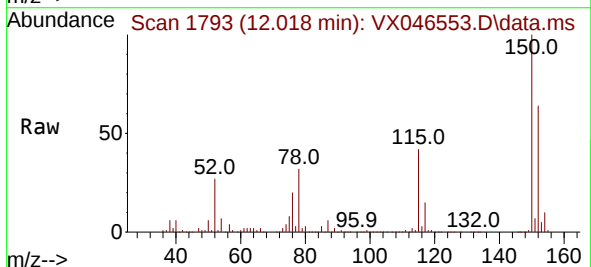
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

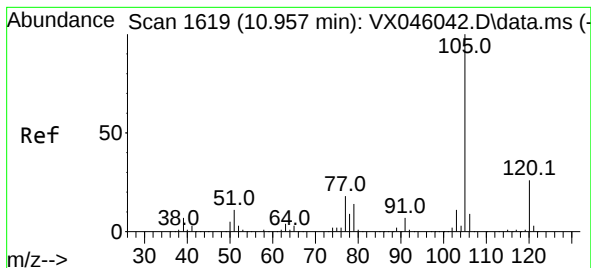
Tgt Ion:106 Resp: 18392  
Ion Ratio Lower Upper  
106 100  
91 227.4 112.7 338.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion:152 Resp: 120264  
Ion Ratio Lower Upper  
152 100  
115 64.1 46.9 140.7  
150 156.1 0.0 351.0





#73

Isopropylbenzene

Concen: 2.794 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX046553.D

Acq: 07 Jun 2025 03:48

Instrument :

MSVOA\_X

ClientSampleId :

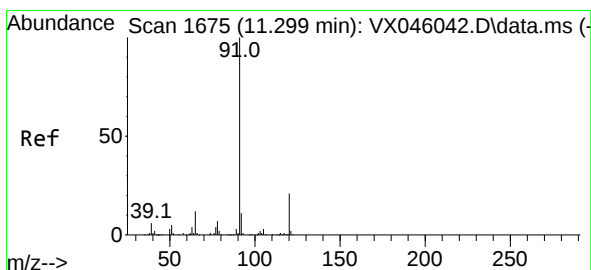
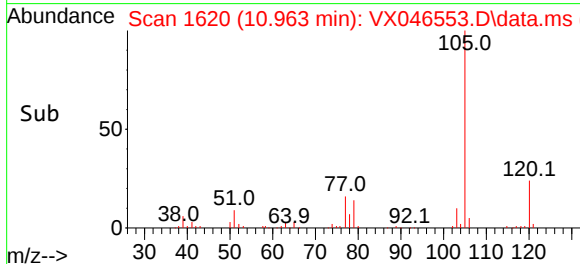
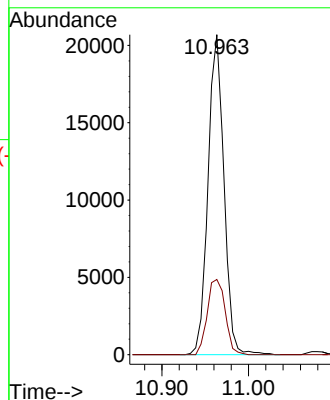
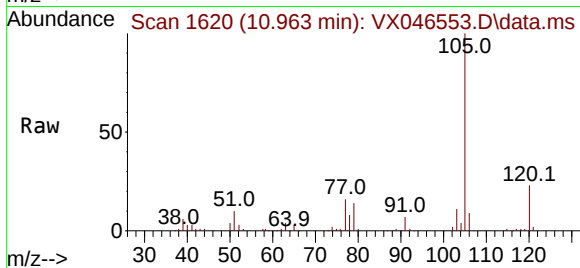
WC-A2-05-G

Tgt Ion:105 Resp: 26418

Ion Ratio Lower Upper

105 100

120 26.5 12.8 38.4



#78

n-propylbenzene

Concen: 1.189 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX046553.D

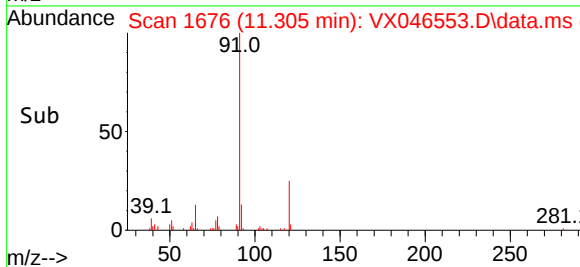
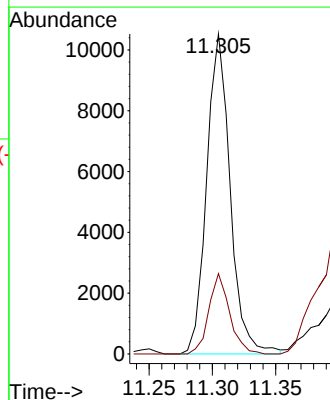
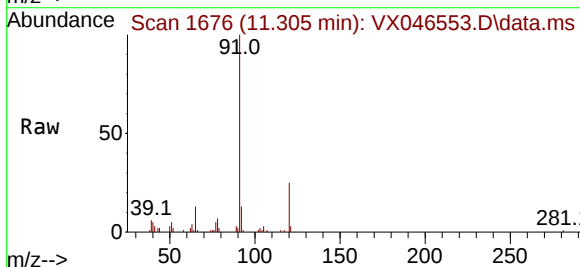
Acq: 07 Jun 2025 03:48

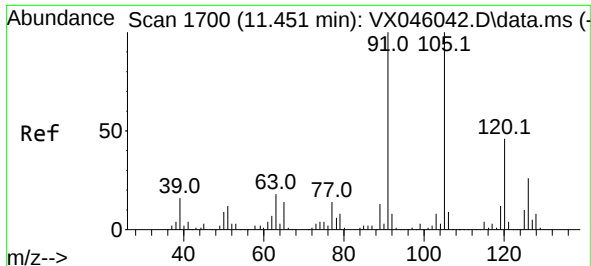
Tgt Ion: 91 Resp: 13606

Ion Ratio Lower Upper

91 100

120 22.2 10.8 32.4

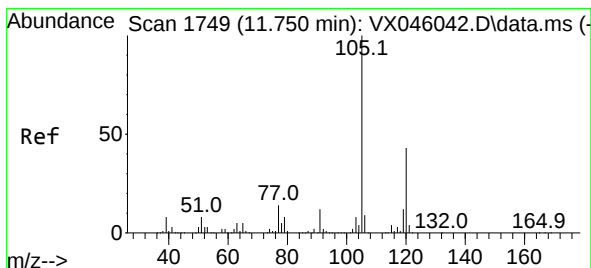
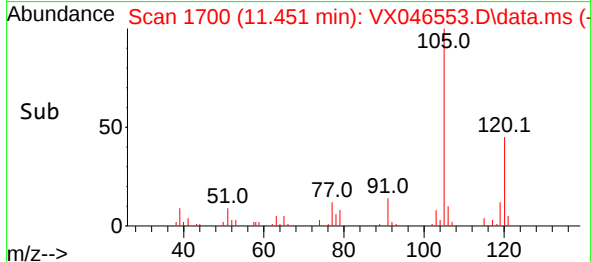
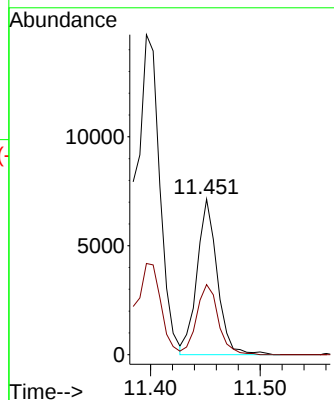
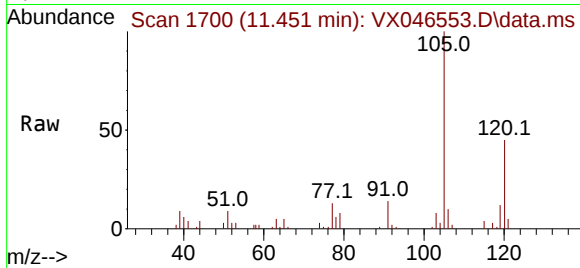




#80  
1,3,5-Trimethylbenzene  
Concen: 1.165 ug/l  
RT: 11.451 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

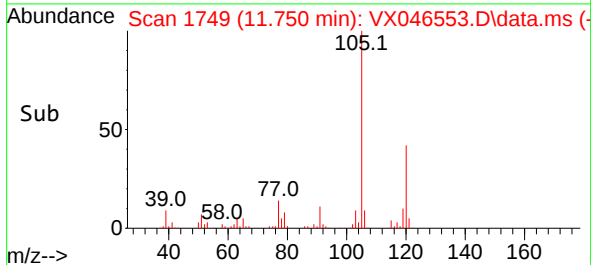
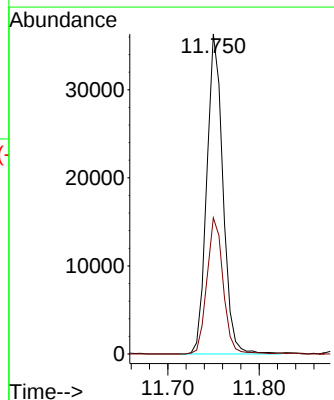
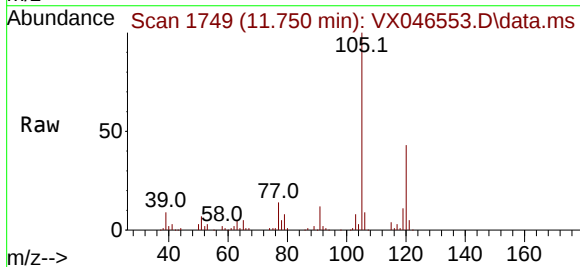
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

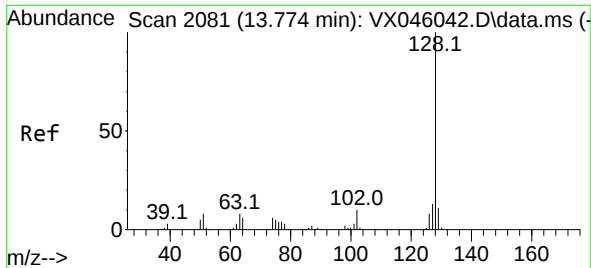
Tgt Ion:105 Resp: 9179  
Ion Ratio Lower Upper  
105 100  
120 48.1 23.1 69.2



#84  
1,2,4-Trimethylbenzene  
Concen: 5.580 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Tgt Ion:105 Resp: 44473  
Ion Ratio Lower Upper  
105 100  
120 42.8 21.2 63.6





#95  
Naphthalene  
Concen: 344.030 ug/l  
RT: 13.774 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VX046553.D  
Acq: 07 Jun 2025 03:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-A2-05-G

Tgt Ion:128 Resp: 3061111  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.4 15.6  
129 11.2 8.6 13.0

