

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052125\  
 Data File : VN086737.D  
 Acq On : 21 May 2025 17:30  
 Operator : JC\MD  
 Sample : Q2079-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-A2-03-G

Quant Time: May 22 01:27:37 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 17 00:46:13 2025  
 Response via : Initial Calibration

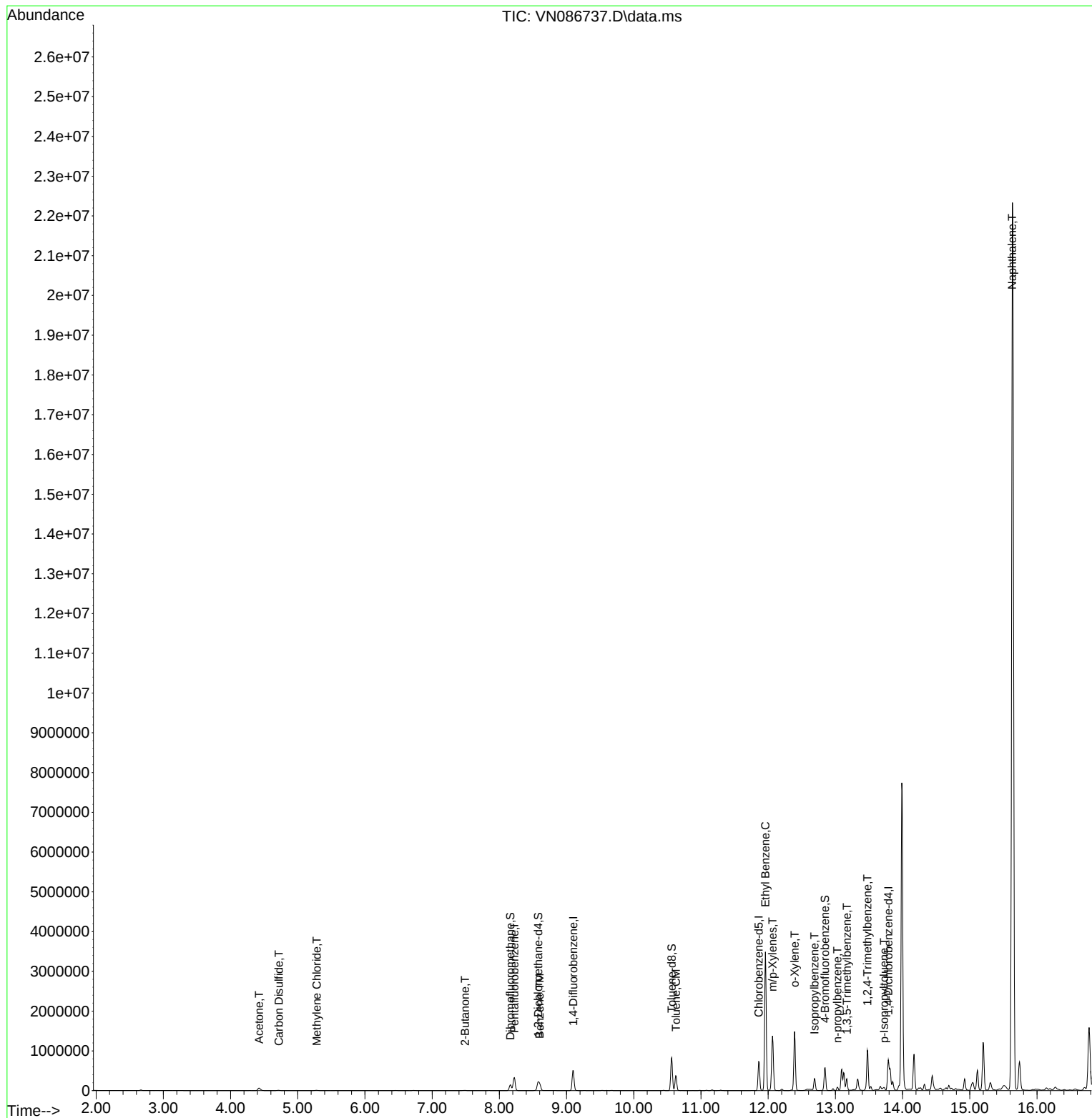
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 258359     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 480749     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.859         | 117  | 461451     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 215962     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 158821     | 44.487   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 88.980%  |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 111874     | 39.075   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 78.140%  |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 609237     | 51.349   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 102.700% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 227394     | 54.279   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 108.560% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 16) Acetone                 | 4.424          | 43   | 118958     | 89.078   | ug/l   | 95       |
| 17) Carbon Disulfide        | 4.718          | 76   | 9787       | 1.227    | ug/l # | 94       |
| 20) Methylene Chloride      | 5.283          | 84   | 7307       | 2.073    | ug/l   | 87       |
| 25) 2-Butanone              | 7.488          | 43   | 10664      | 5.168    | ug/l   | 93       |
| 40) Benzene                 | 8.600          | 78   | 152133     | 11.043   | ug/l   | 100      |
| 52) Toluene                 | 10.629         | 92   | 179264     | 20.936   | ug/l   | 100      |
| 67) Ethyl Benzene           | 11.959         | 91   | 2636772    | 152.135  | ug/l   | 98       |
| 68) m/p-Xylenes             | 12.065         | 106  | 477643     | 72.760   | ug/l   | 96       |
| 69) o-Xylene                | 12.394         | 106  | 436441     | 66.873   | ug/l   | 99       |
| 73) Isopropylbenzene        | 12.688         | 105  | 213725     | 12.814   | ug/l   | 100      |
| 78) n-propylbenzene         | 13.029         | 91   | 71665      | 3.744    | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 13.170         | 105  | 166779     | 12.480   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.476         | 105  | 600556     | 45.129   | ug/l   | 99       |
| 86) p-Isopropyltoluene      | 13.723         | 119  | 26223      | 2.047    | ug/l # | 78       |
| 95) Naphthalene             | 15.629         | 128  | 20226672   | 1997.037 | ug/l # | 93       |
| -----                       |                |      |            |          |        |          |

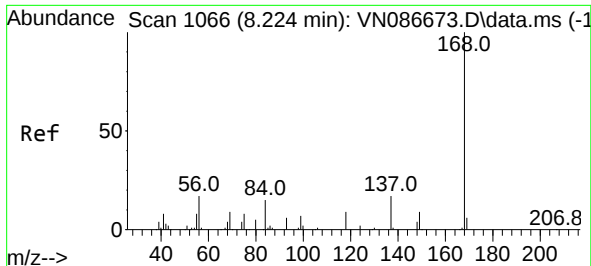
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052125\  
Data File : VN086737.D  
Acq On : 21 May 2025 17:30  
Operator : JC\MD  
Sample : Q2079-09  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G

Quant Time: May 22 01:27:37 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051625W.M  
Quant Title : SW846 8260  
QLast Update : Sat May 17 00:46:13 2025  
Response via : Initial Calibration

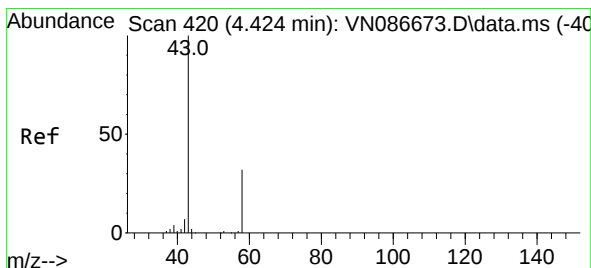
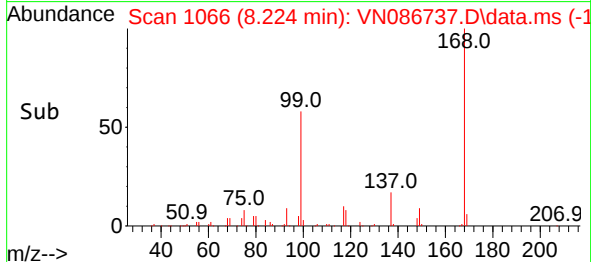
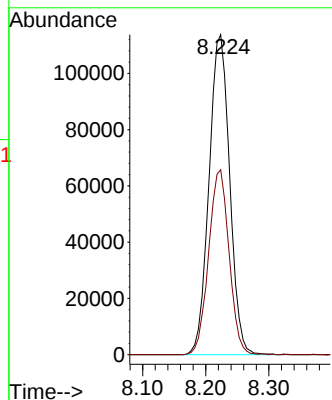
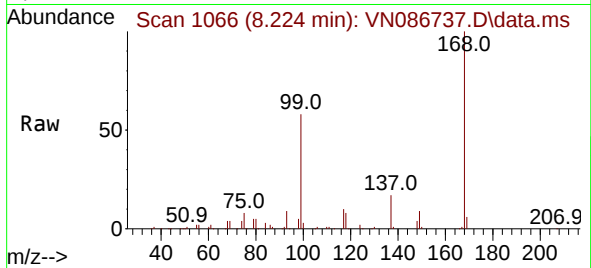




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

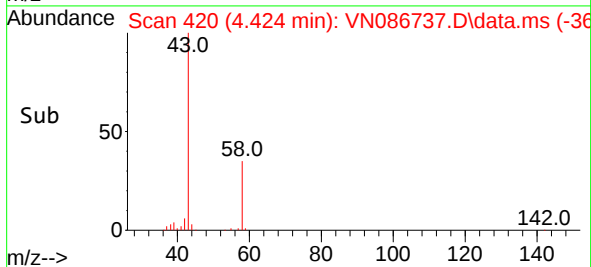
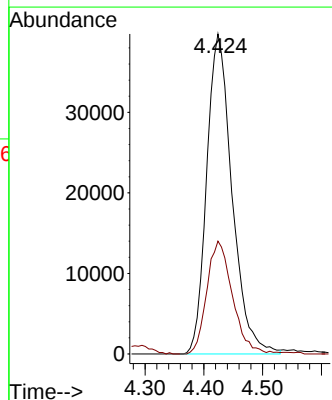
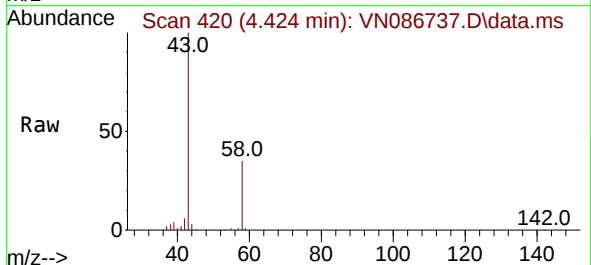
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G

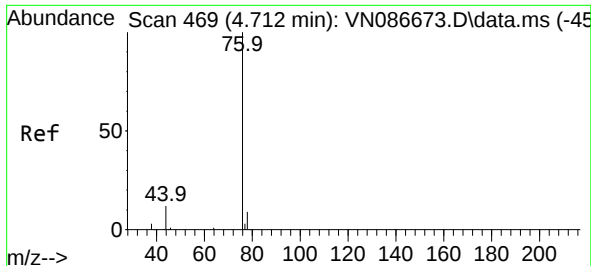
Tgt Ion:168 Resp: 258359  
Ion Ratio Lower Upper  
168 100  
99 57.8 47.0 70.4



#16  
Acetone  
Concen: 89.078 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion: 43 Resp: 118958  
Ion Ratio Lower Upper  
43 100  
58 35.3 25.8 38.6

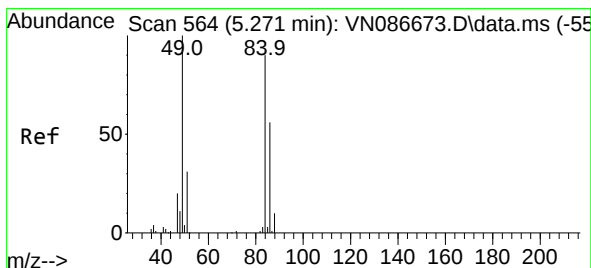
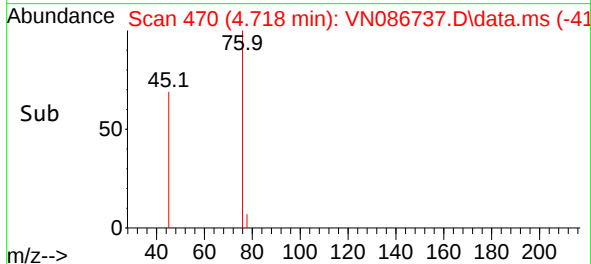
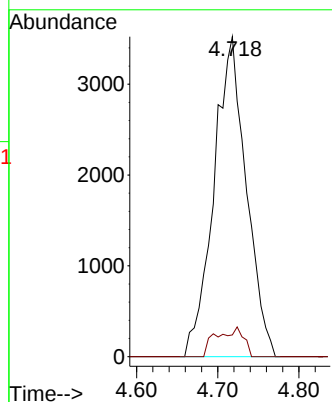
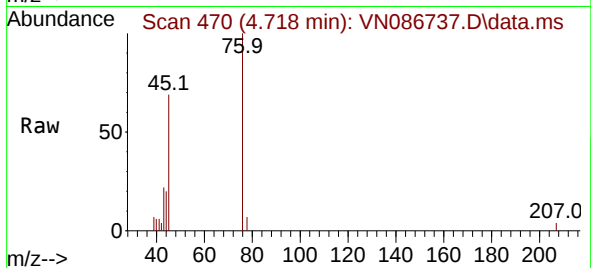




#17  
Carbon Disulfide  
Concen: 1.227 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

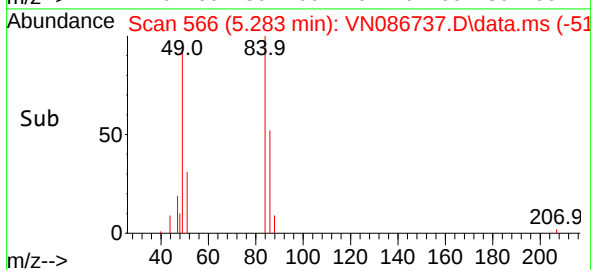
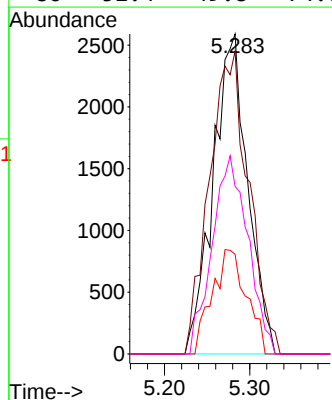
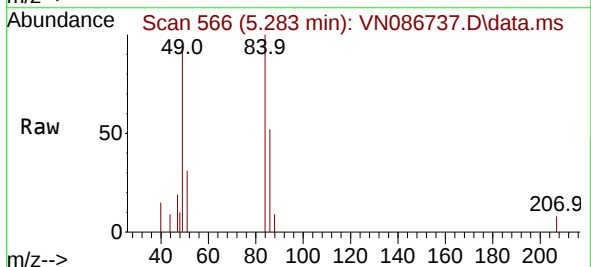
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G

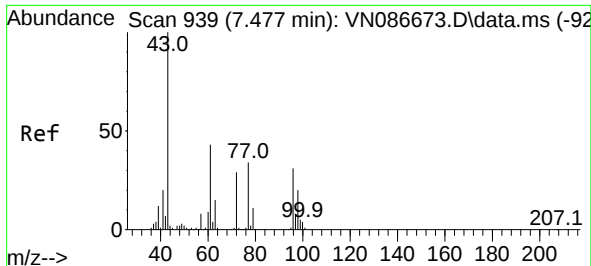
Tgt Ion: 76 Resp: 9787  
Ion Ratio Lower Upper  
76 100  
78 6.8 7.3 10.9#



#20  
Methylene Chloride  
Concen: 2.073 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. 0.012 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion: 84 Resp: 7307  
Ion Ratio Lower Upper  
84 100  
49 94.7 88.8 133.2  
51 31.1 27.8 41.6  
86 52.4 49.8 74.6

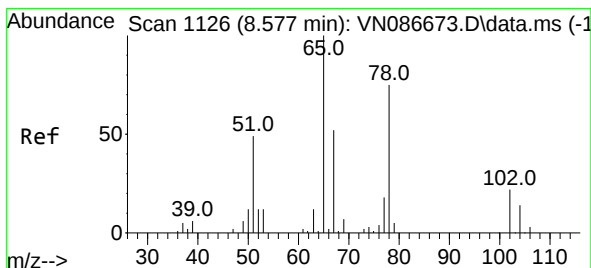
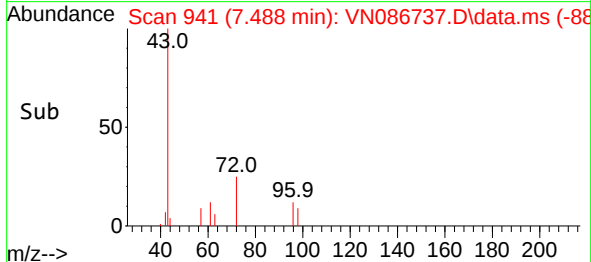
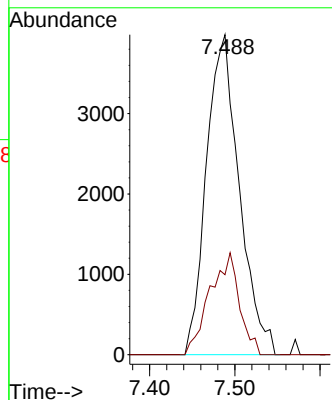
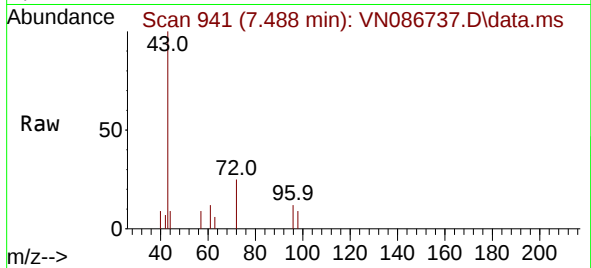




#25  
2-Butanone  
Concen: 5.168 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

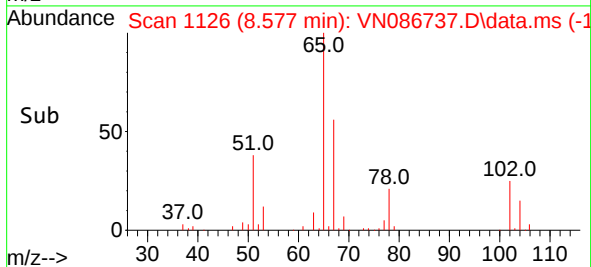
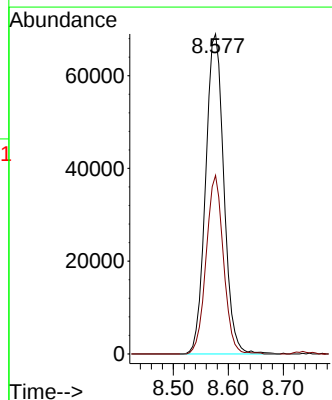
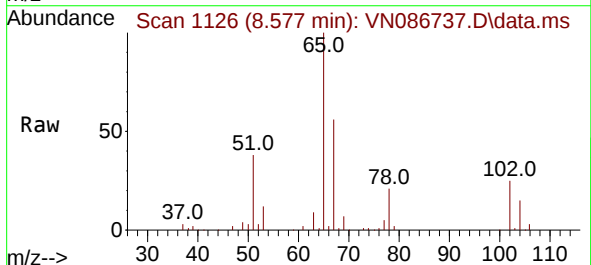
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G

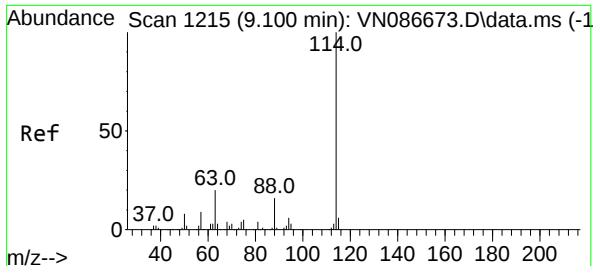
Tgt Ion: 43 Resp: 10664  
Ion Ratio Lower Upper  
43 100  
72 25.0 23.1 34.7



#33  
1,2-Dichloroethane-d4  
Concen: 44.487 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion: 65 Resp: 158821  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086737.D

Acq: 21 May 2025 17:30

Instrument :

MSVOA\_N

ClientSampleId :

WC-A2-03-G

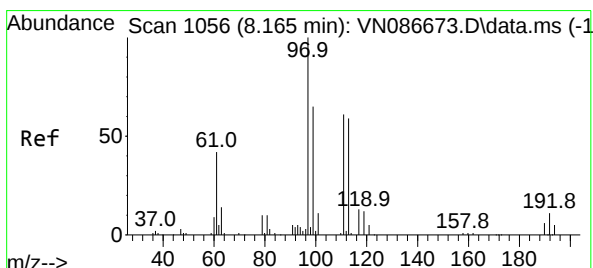
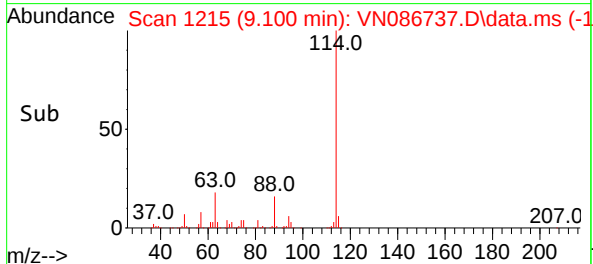
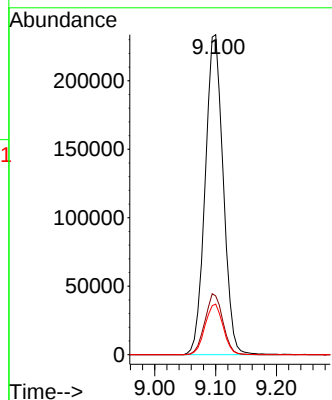
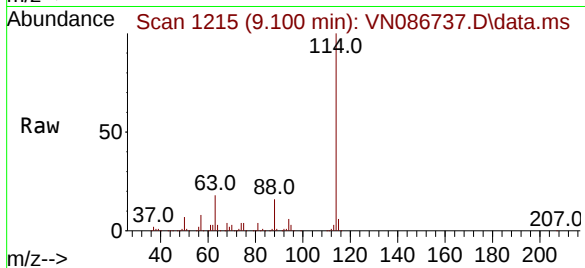
Tgt Ion:114 Resp: 480749

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.2

88 15.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 39.075 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086737.D

Acq: 21 May 2025 17:30

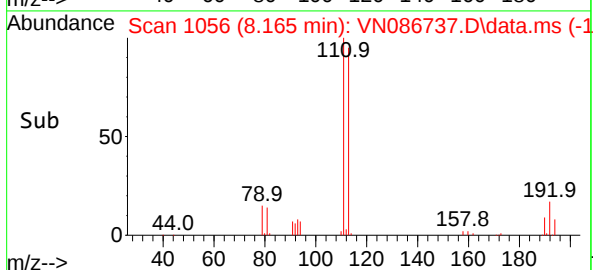
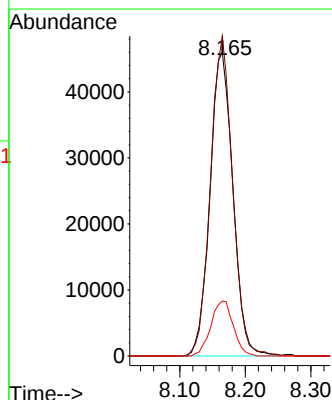
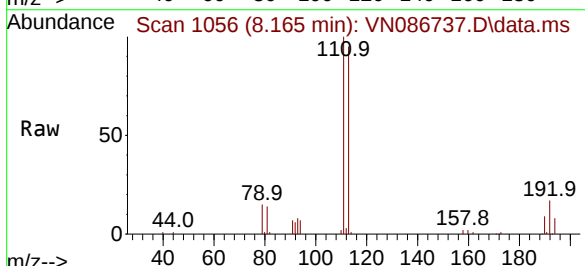
Tgt Ion:113 Resp: 111874

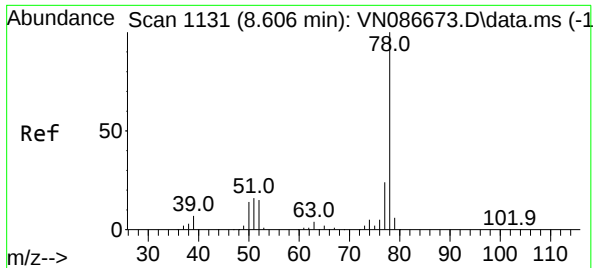
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

192 17.7 13.8 20.8

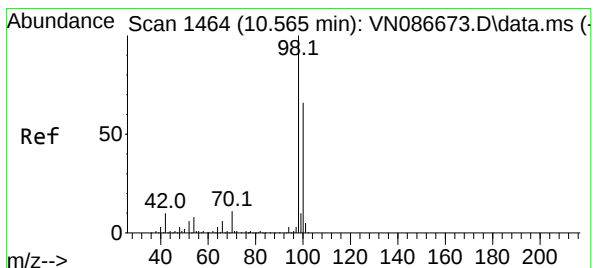
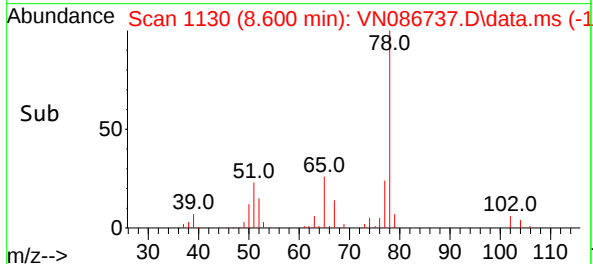
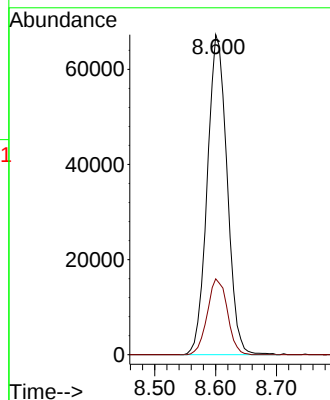
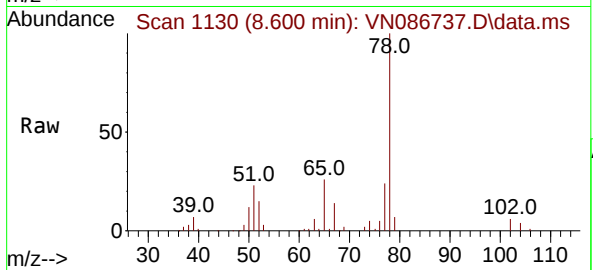




#40  
Benzene  
Concen: 11.043 ug/l  
RT: 8.600 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

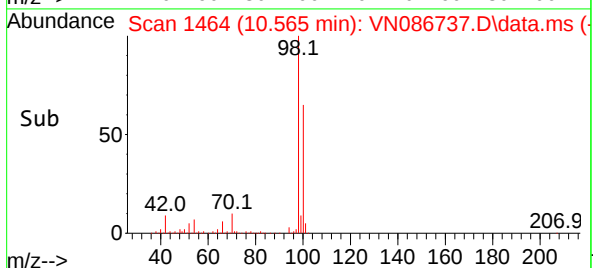
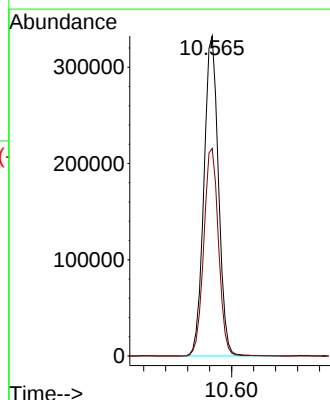
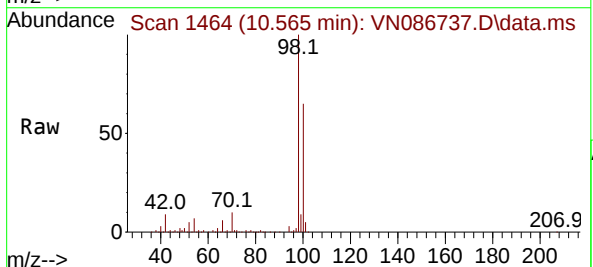
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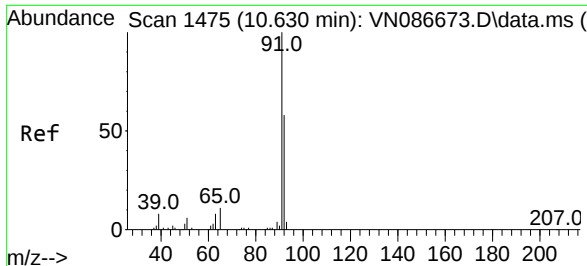
Tgt Ion: 78 Resp: 152133  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.1 28.7



#50  
Toluene-d8  
Concen: 51.349 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion: 98 Resp: 609237  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.9 79.3

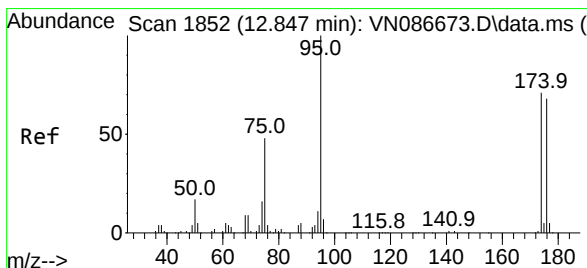
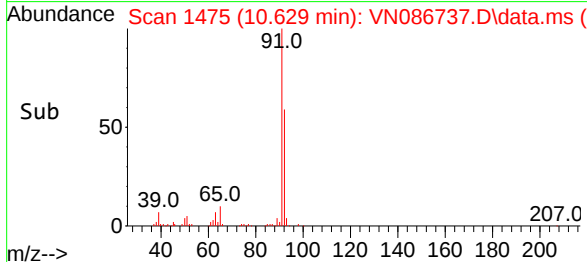
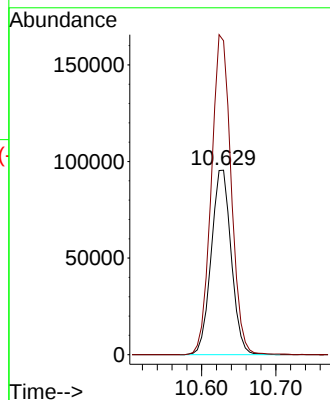
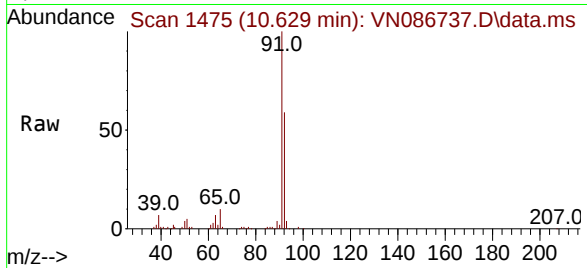




#52  
Toluene  
Concen: 20.936 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

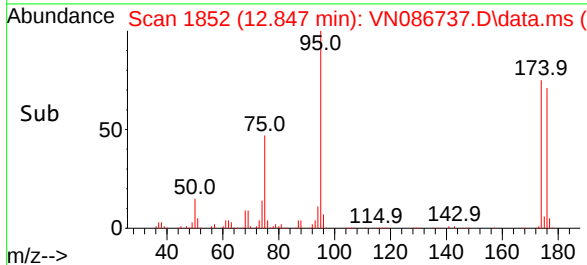
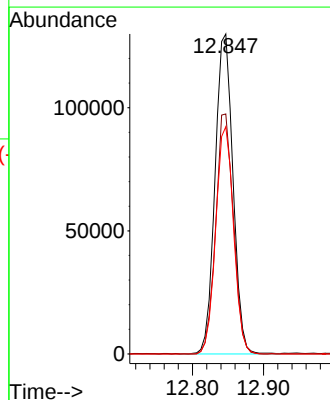
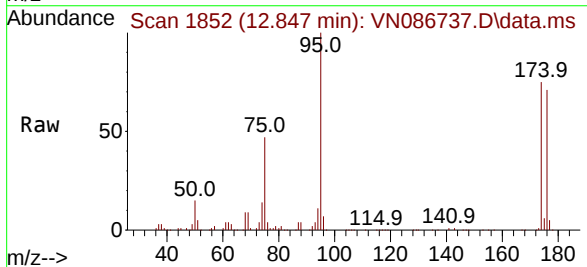
Instrument :  
MSVOA\_N  
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WC-A2-03-G

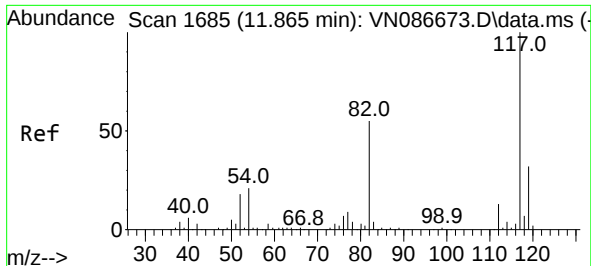
Tgt Ion: 92 Resp: 179264  
Ion Ratio Lower Upper  
92 100  
91 171.6 137.8 206.8



#62  
4-Bromofluorobenzene  
Concen: 54.279 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion: 95 Resp: 227394  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 145.4  
176 70.6 0.0 137.8

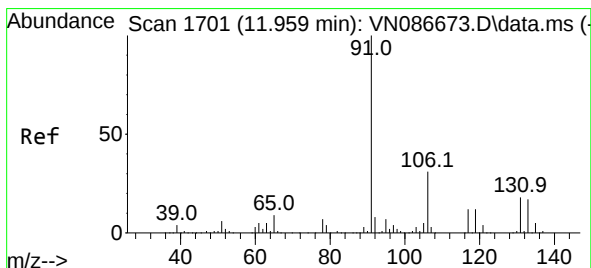
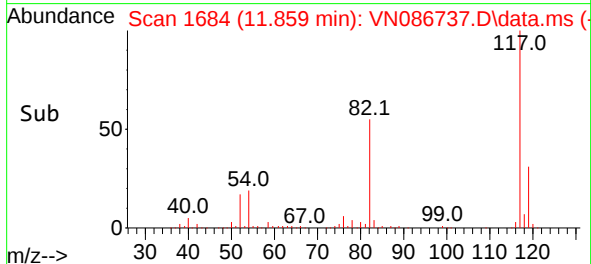
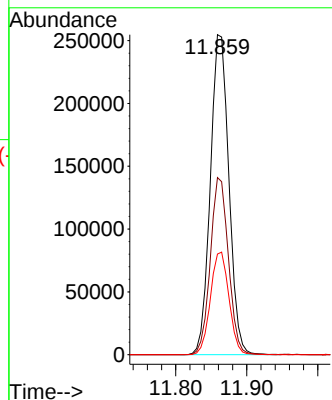
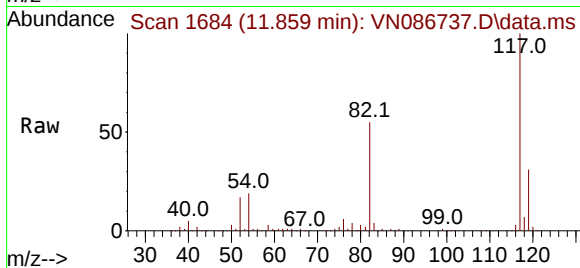




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.859 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

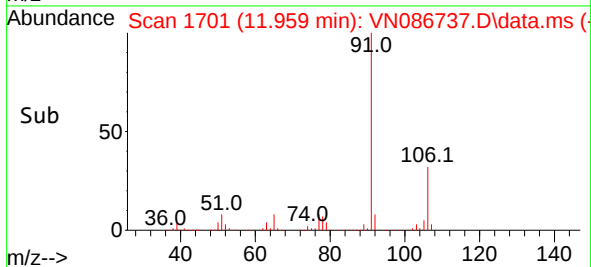
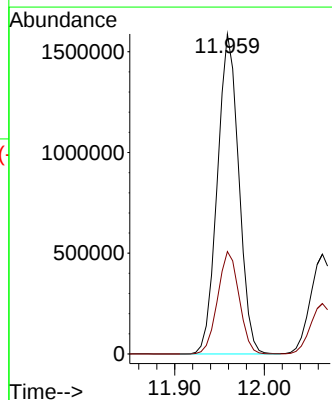
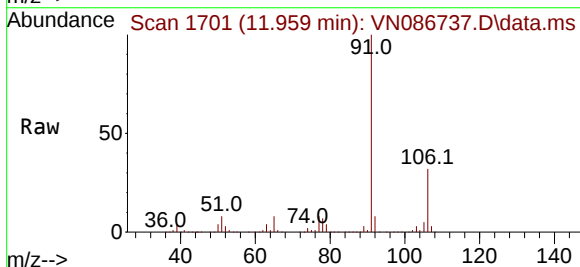
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G

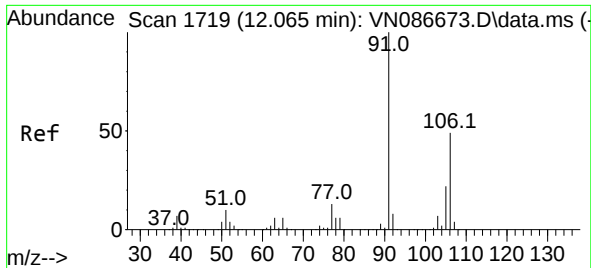
Tgt Ion:117 Resp: 461451  
Ion Ratio Lower Upper  
117 100  
82 55.4 44.2 66.2  
119 31.4 25.4 38.2



#67  
Ethyl Benzene  
Concen: 152.135 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion: 91 Resp: 2636772  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.6 36.8

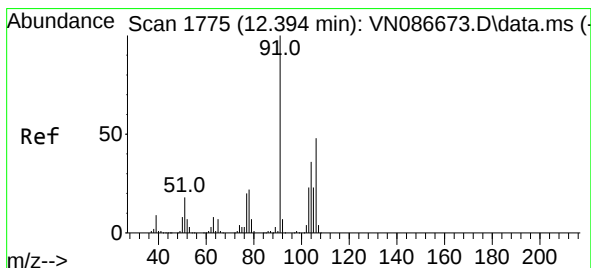
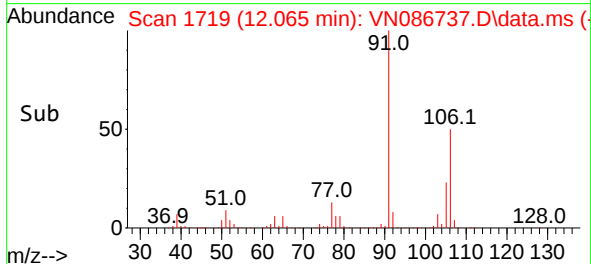
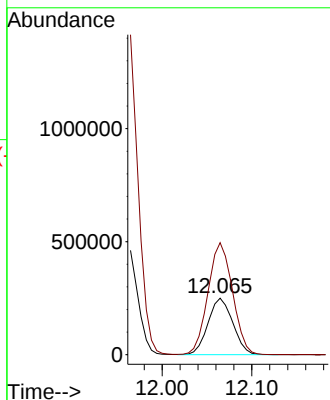
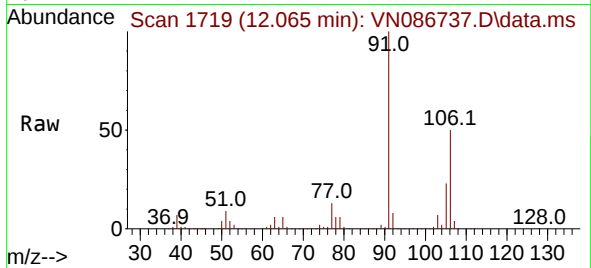




#68  
m/p-Xylenes  
Concen: 72.760 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

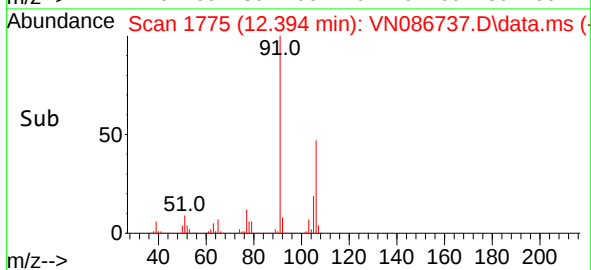
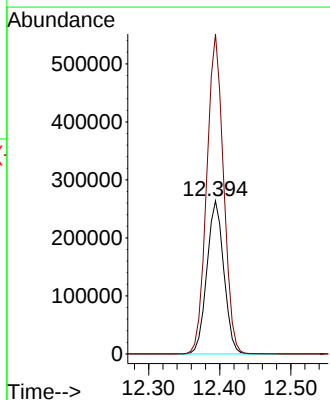
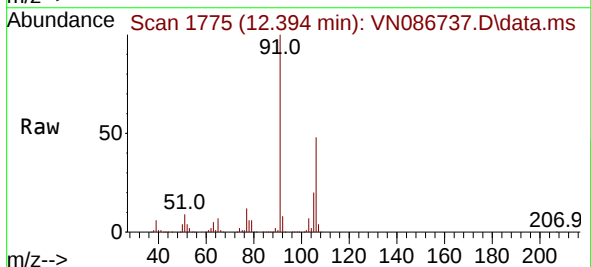
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G

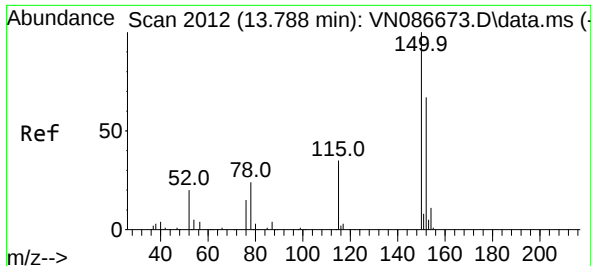
Tgt Ion:106 Resp: 477643  
Ion Ratio Lower Upper  
106 100  
91 197.2 162.4 243.6



#69  
o-Xylene  
Concen: 66.873 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion:106 Resp: 436441  
Ion Ratio Lower Upper  
106 100  
91 208.1 105.1 315.1

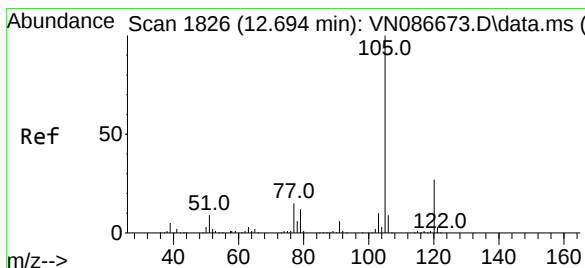
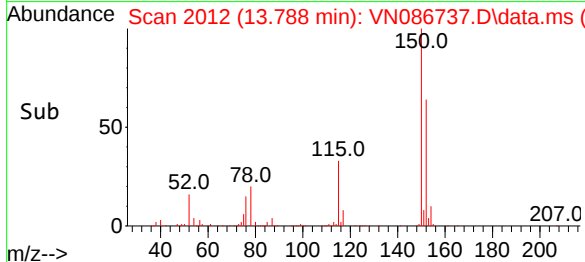
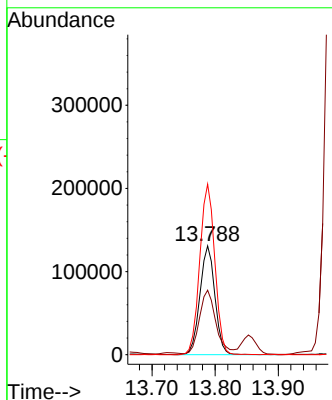
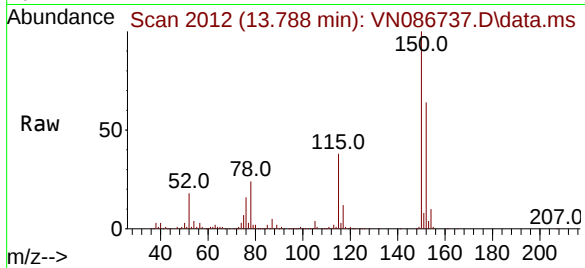




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

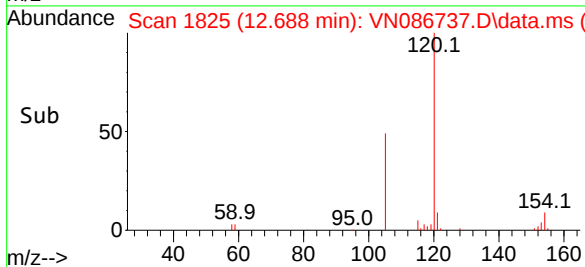
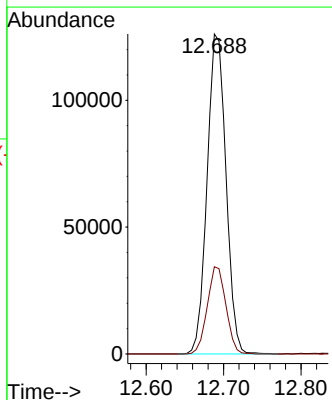
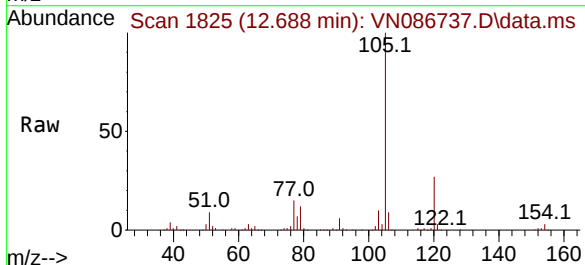
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G

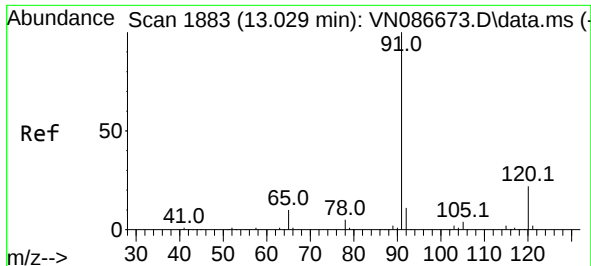
Tgt Ion:152 Resp: 215962  
Ion Ratio Lower Upper  
152 100  
115 62.9 30.0 90.1  
150 157.3 0.0 347.8



#73  
Isopropylbenzene  
Concen: 12.814 ug/l  
RT: 12.688 min Scan# 1825  
Delta R.T. -0.006 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion:105 Resp: 213725  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.4 40.1

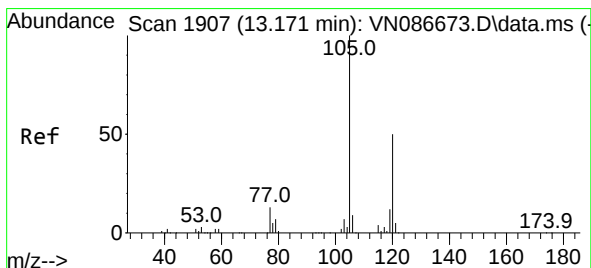
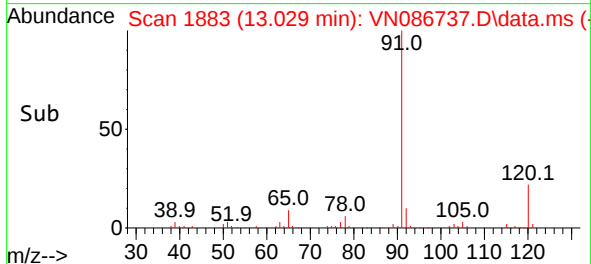
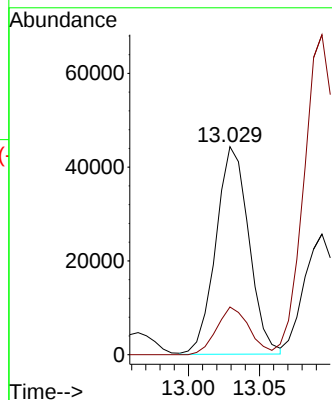
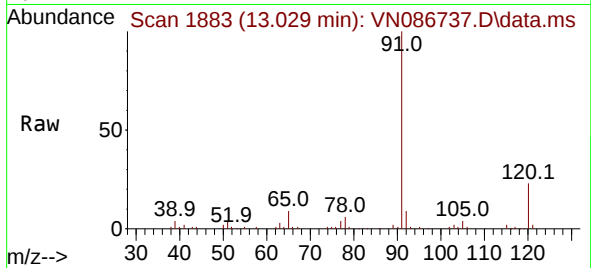




#78  
n-propylbenzene  
Concen: 3.744 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

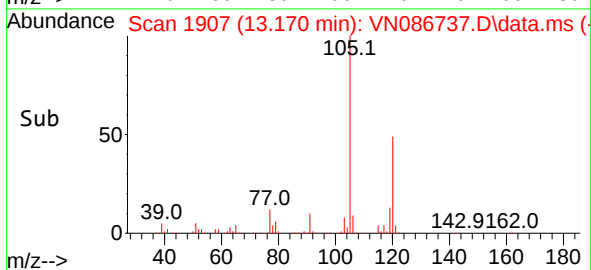
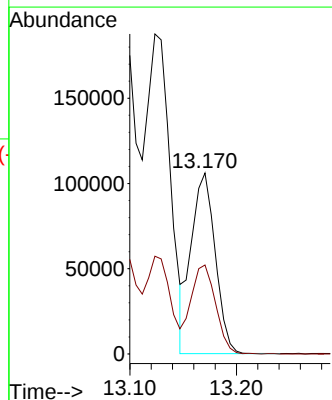
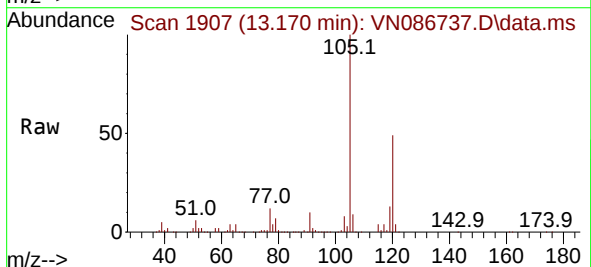
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G

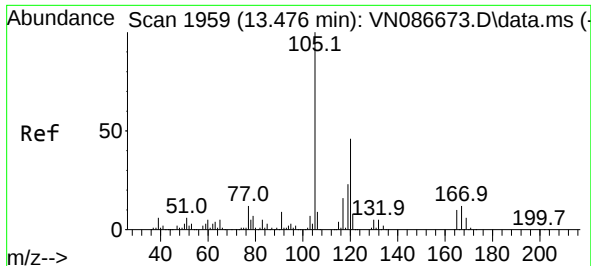
Tgt Ion: 91 Resp: 71665  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.4 34.1



#80  
1,3,5-Trimethylbenzene  
Concen: 12.480 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Tgt Ion: 105 Resp: 166779  
Ion Ratio Lower Upper  
105 100  
120 50.8 24.9 74.6

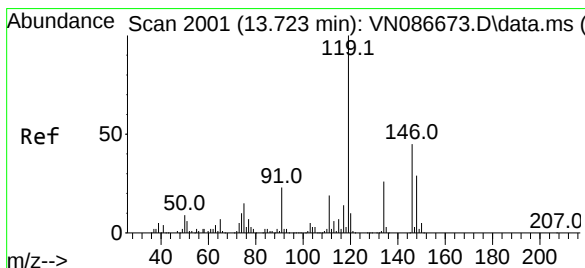
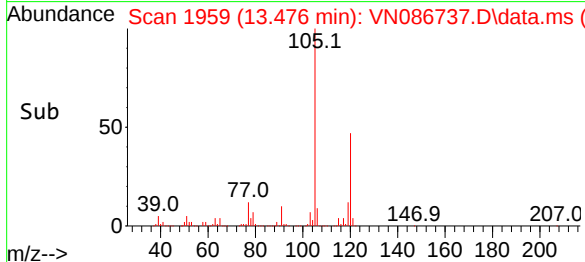
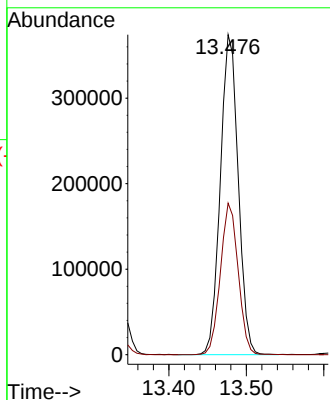
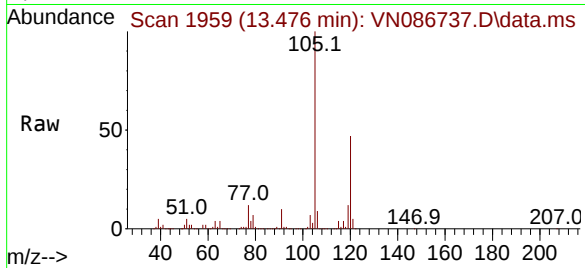




#84  
1,2,4-Trimethylbenzene  
Concen: 45.129 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

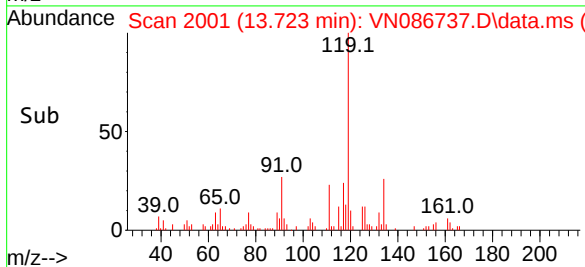
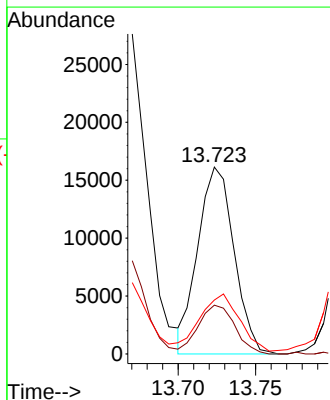
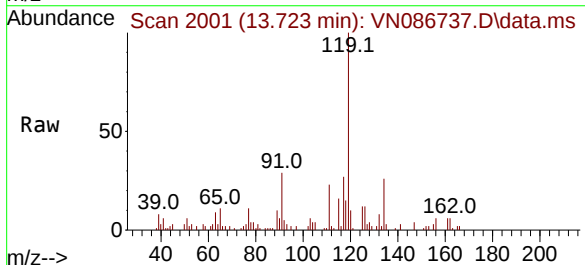
Instrument :  
MSVOA\_N  
ClientSampleId :  
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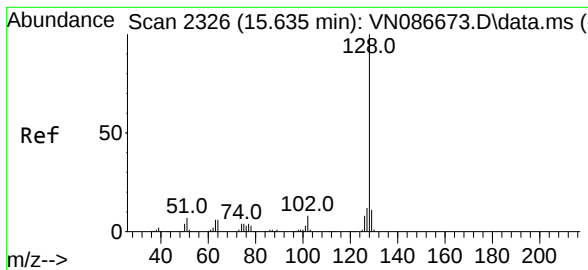
Tgt Ion:105 Resp: 600556  
Ion Ratio Lower Upper  
105 100  
120 46.9 23.2 69.6



#86  
p-Isopropyltoluene  
Concen: 2.047 ug/l  
RT: 13.723 min Scan# 2001  
Delta R.T. -0.000 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

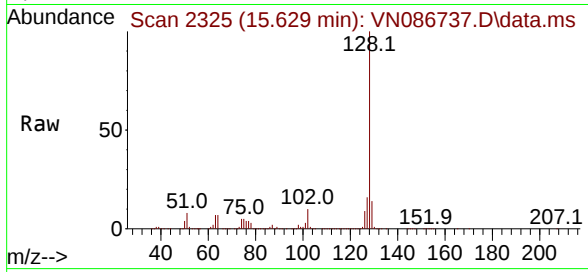
Tgt Ion:119 Resp: 26223  
Ion Ratio Lower Upper  
119 100  
134 26.3 13.1 39.1  
91 0.0 11.5 34.5#





#95  
Naphthalene  
Concen: 1997.037 ug/l  
RT: 15.629 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN086737.D  
Acq: 21 May 2025 17:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-A2-03-G



Tgt Ion:128 Resp:20226672  
Ion Ratio Lower Upper  
128 100  
127 15.4 10.1 15.1#  
129 13.2 8.6 13.0#

