

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050525\  
 Data File : VN086498.D  
 Acq On : 05 May 2025 20:02  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: May 06 01:48:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 182960   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 338083   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 319664   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152   | 136315   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 124313   | 46.856    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 93.720%  |
| 35) Dibromofluoromethane      | 8.165  | 113   | 94251    | 60.067    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 120.140% |
| 50) Toluene-d8                | 10.565 | 98    | 427944   | 51.031    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 102.060% |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 150842   | 49.316    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | =      | 98.640%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.359  | 50    | 718      | 0.228     | ug/l   | 90       |
| 16) Acetone                   | 4.430  | 43    | 408      | Below Cal | #      | 43       |
| 18) Methyl Acetate            | 5.042  | 43    | 678      | 0.213     | ug/l # | 51       |
| 31) Cyclohexane               | 8.224  | 56    | 4109     | 0.956     | ug/l # | 2        |
| 36) 1,1-Dichloropropene       | 8.224  | 75    | 14461    | 4.614     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 18402    | 6.166     | ug/l # | 15       |
| 43) Isopropyl Acetate         | 8.694  | 43    | 435      | Below Cal | #      | 55       |
| 51) 4-Methyl-2-Pentanone      | 10.559 | 43    | 2100     | 0.622     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 77849    | 24.201    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 77849    | 58.121    | ug/l # | 10       |
| 95) Naphthalene               | 15.635 | 128   | 5958     | 0.779     | ug/l # | 97       |
| -----                         |        |       |          |           |        |          |

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

Quant Time: May 06 01:48:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
Response via : Initial Calibration

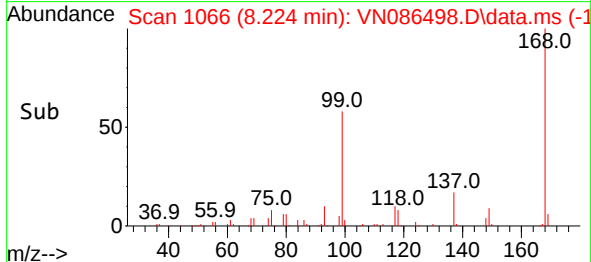
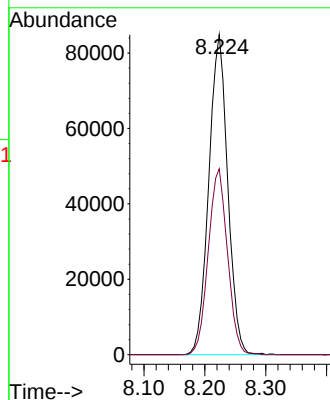
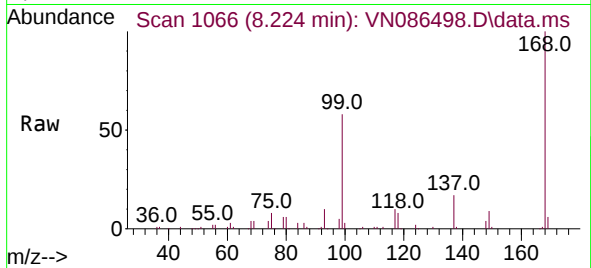




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

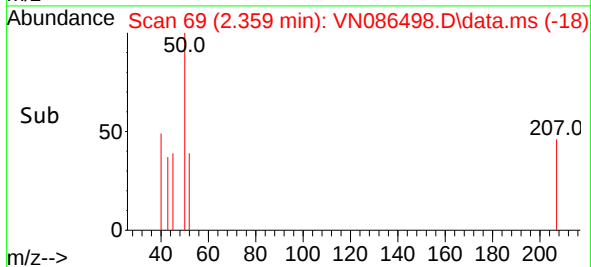
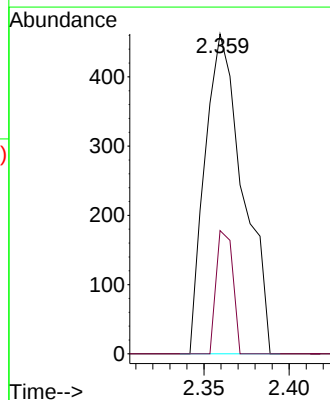
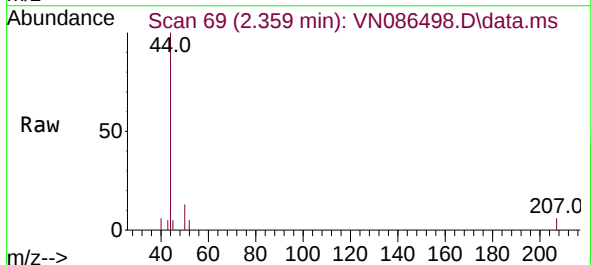
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

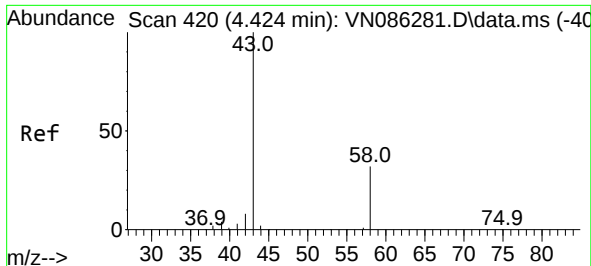
Tgt Ion:168 Resp: 182960  
Ion Ratio Lower Upper  
168 100  
99 58.1 52.5 78.7



#3  
Chloromethane  
Concen: 0.228 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

Tgt Ion: 50 Resp: 718  
Ion Ratio Lower Upper  
50 100  
52 38.5 26.5 39.7

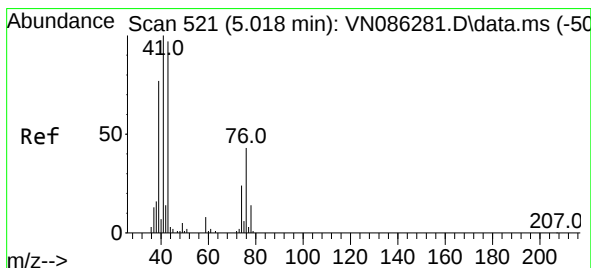
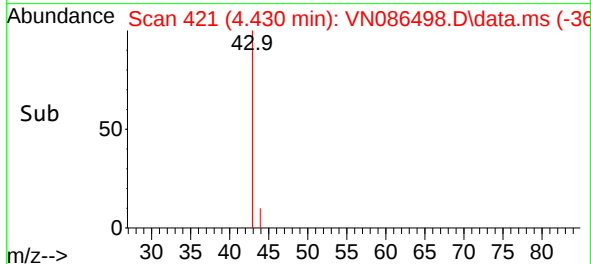
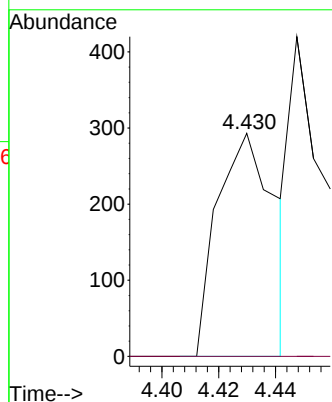
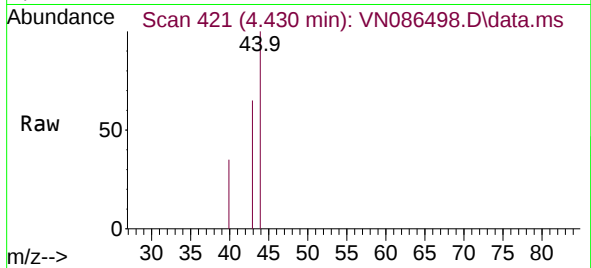




#16  
Acetone  
Concen: Below Cal  
RT: 4.430 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

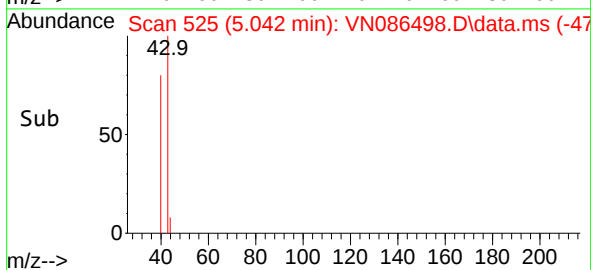
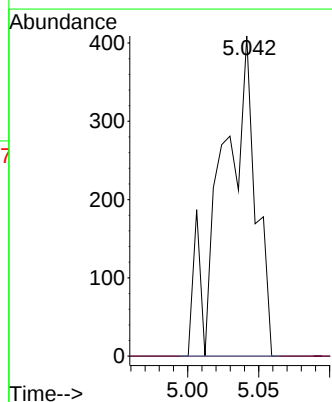
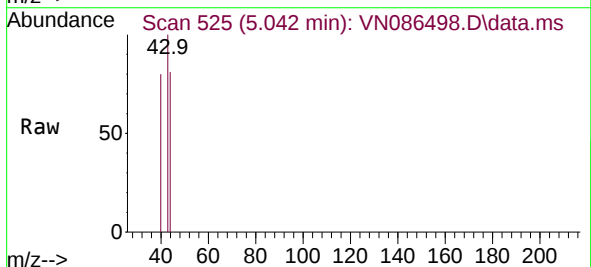
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

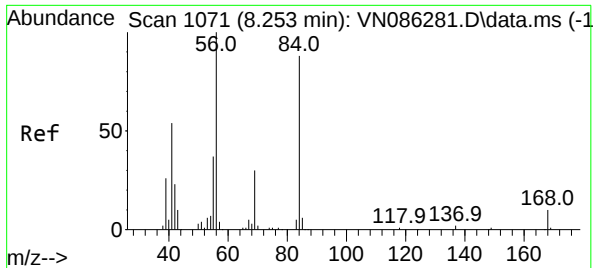
Tgt Ion: 43 Resp: 408  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.3 37.9#



#18  
Methyl Acetate  
Concen: 0.213 ug/l  
RT: 5.042 min Scan# 525  
Delta R.T. 0.023 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

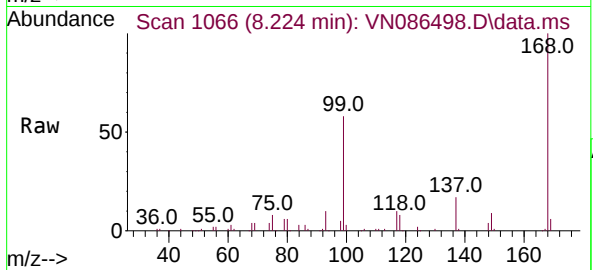
Tgt Ion: 43 Resp: 678  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.8 29.6#



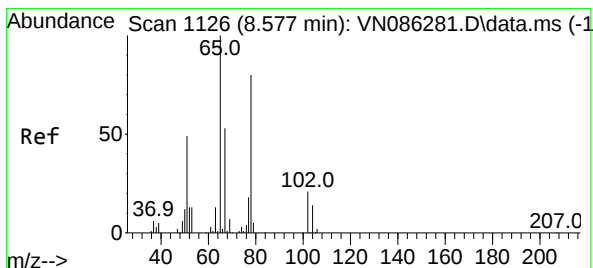
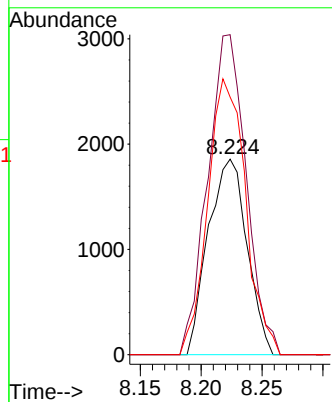
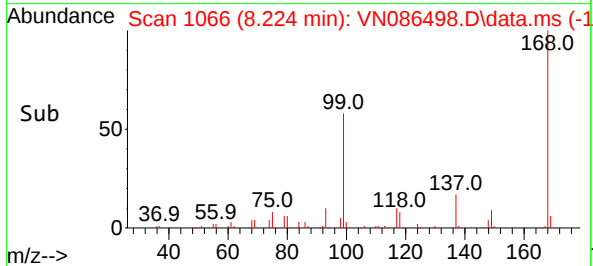


#31  
Cyclohexane  
Concen: 0.956 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

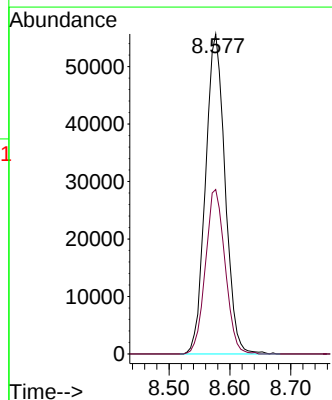
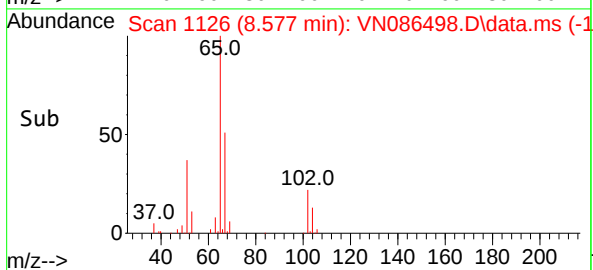
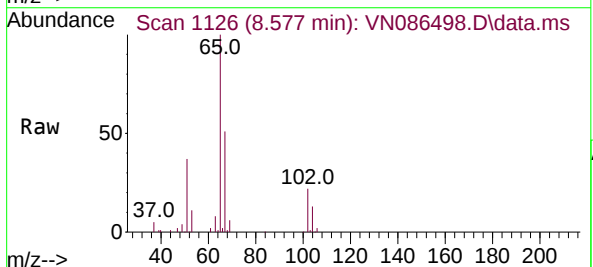


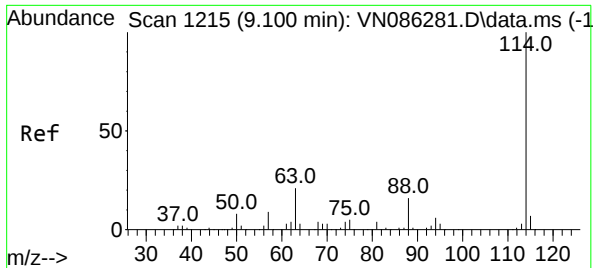
Tgt Ion: 56 Resp: 4109  
Ion Ratio Lower Upper  
56 100  
69 163.7 24.2 36.2#  
84 131.8 70.3 105.5#



#33  
1,2-Dichloroethane-d4  
Concen: 46.856 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

Tgt Ion: 65 Resp: 124313  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 106.0

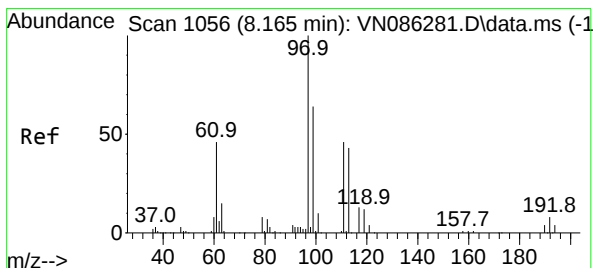
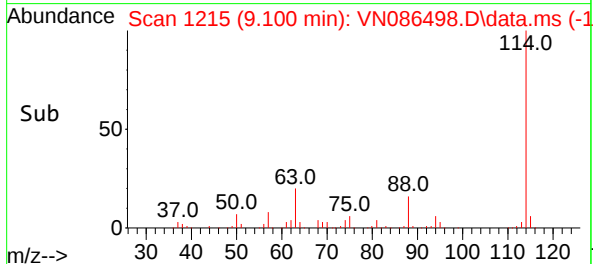
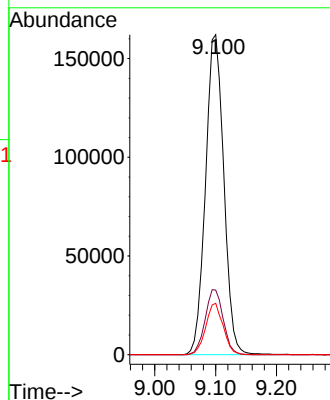
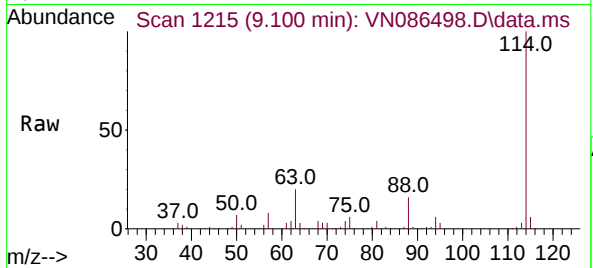




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

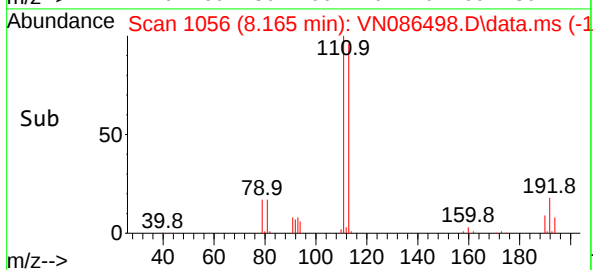
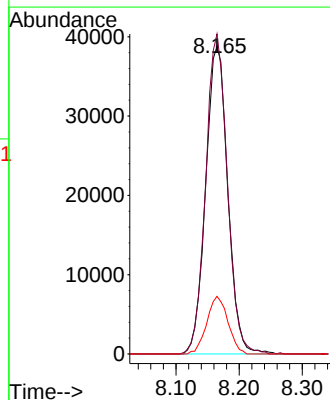
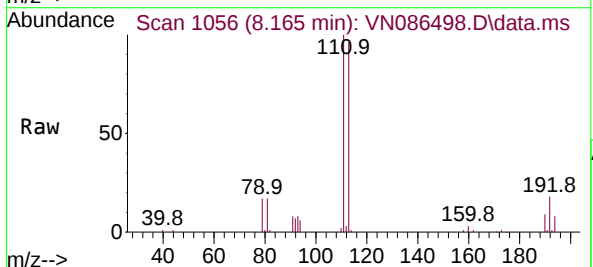
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

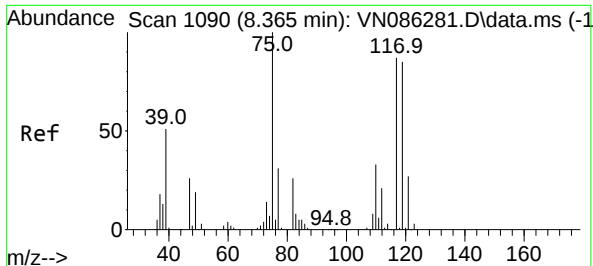
Tgt Ion:114 Resp: 338083  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 42.6  
88 16.0 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 60.067 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

Tgt Ion:113 Resp: 94251  
Ion Ratio Lower Upper  
113 100  
111 101.8 83.4 125.0  
192 17.9 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.614 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086498.D

Acq: 05 May 2025 20:02

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

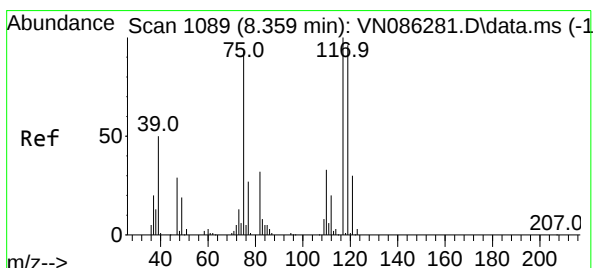
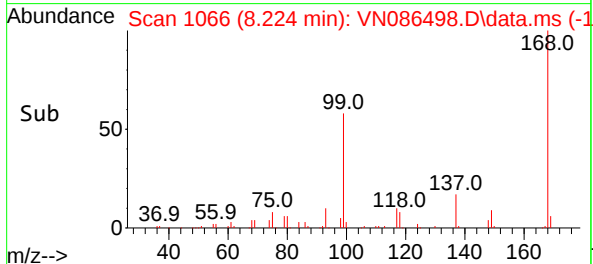
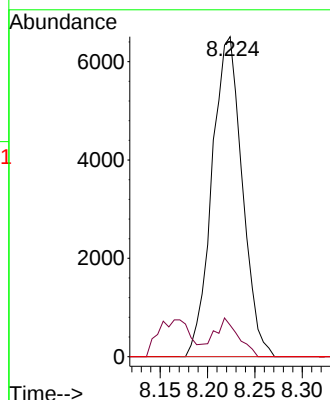
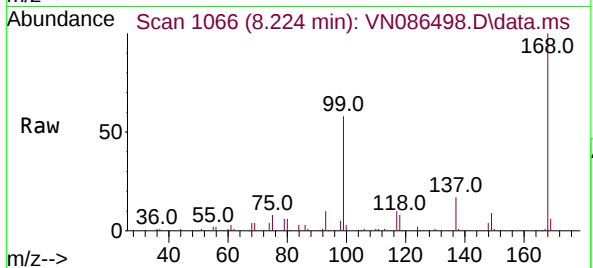
Tgt Ion: 75 Resp: 14461

Ion Ratio Lower Upper

75 100

110 9.6 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.166 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086498.D

Acq: 05 May 2025 20:02

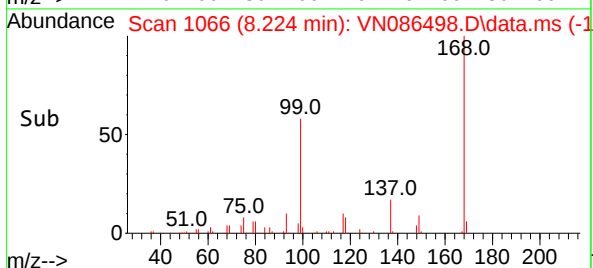
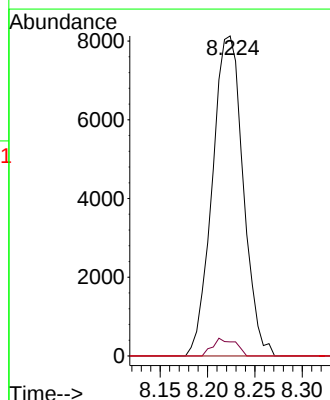
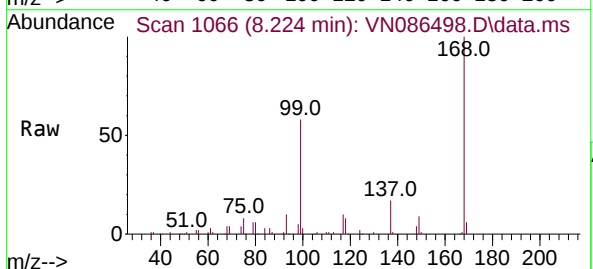
Tgt Ion: 117 Resp: 18402

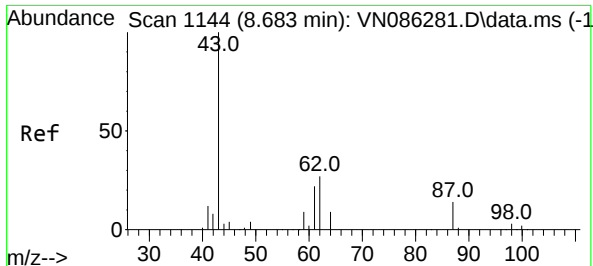
Ion Ratio Lower Upper

117 100

119 4.4 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.694 min Scan# 1146

Delta R.T. 0.011 min

Lab File: VN086498.D

Acq: 05 May 2025 20:02

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

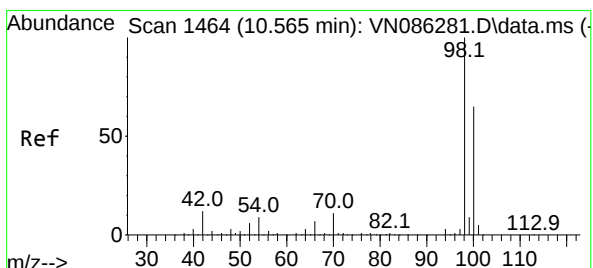
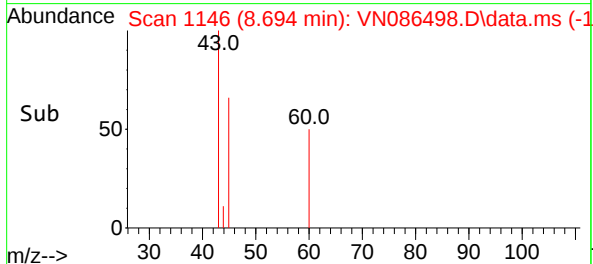
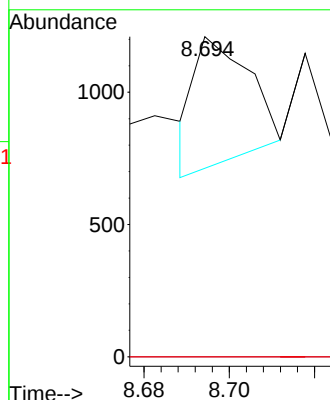
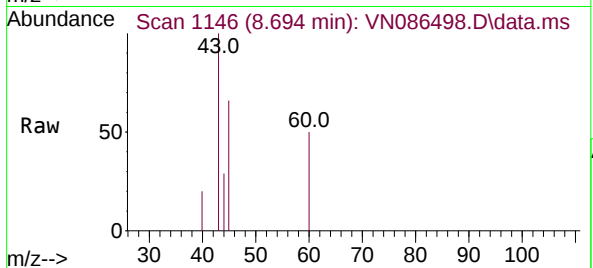
Tgt Ion: 43 Resp: 435

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 51.031 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086498.D

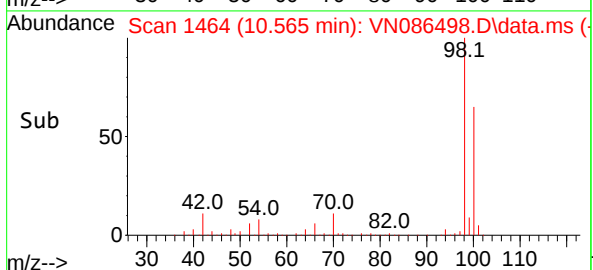
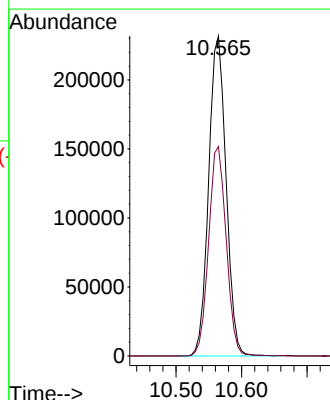
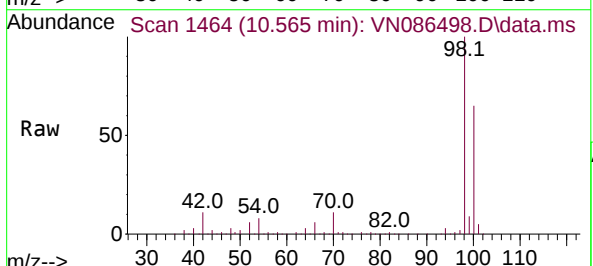
Acq: 05 May 2025 20:02

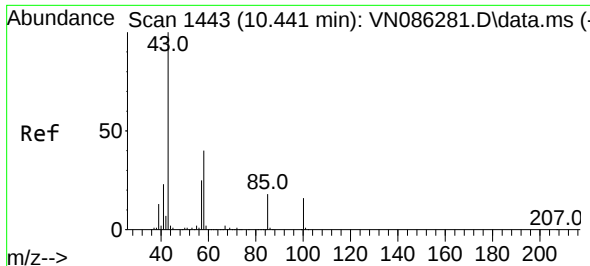
Tgt Ion: 98 Resp: 427944

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

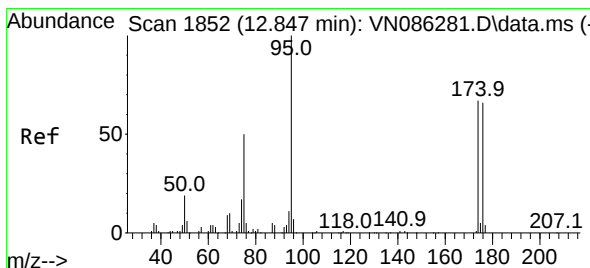
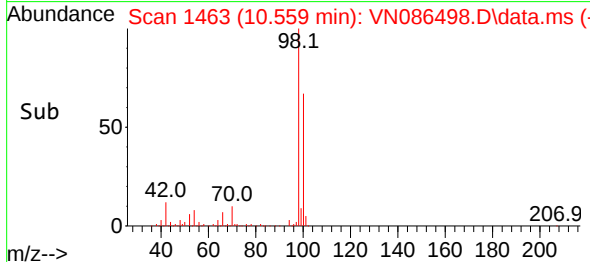
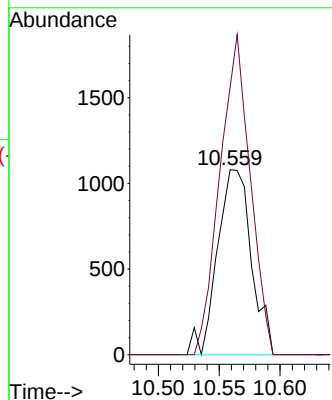
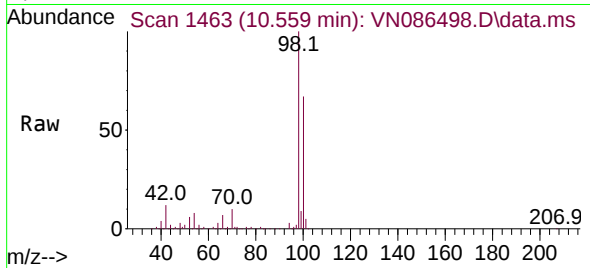




#51  
4-Methyl-2-Pentanone  
Concen: 0.622 ug/l  
RT: 10.559 min Scan# 1443  
Delta R.T. 0.118 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

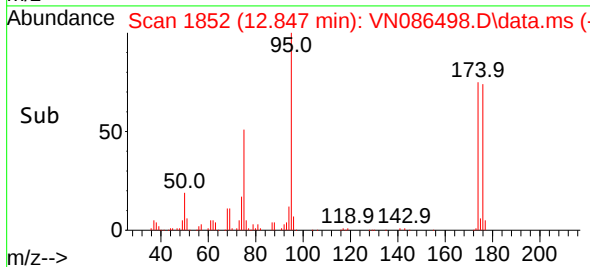
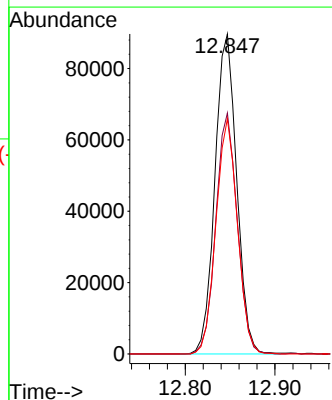
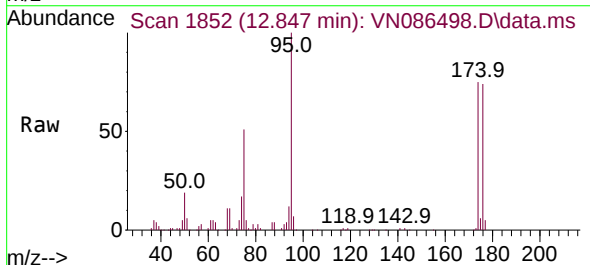
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

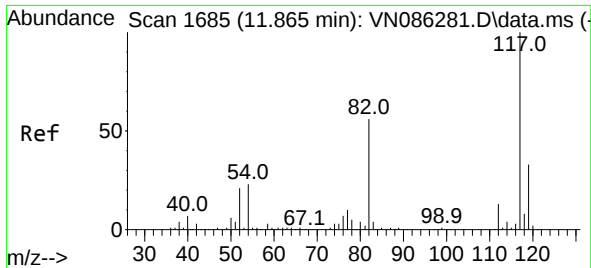
Tgt Ion: 43 Resp: 2100  
Ion Ratio Lower Upper  
43 100  
58 154.4 32.2 48.4#



#62  
4-Bromofluorobenzene  
Concen: 49.316 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

Tgt Ion: 95 Resp: 150842  
Ion Ratio Lower Upper  
95 100  
174 74.3 0.0 133.4  
176 72.7 0.0 129.2

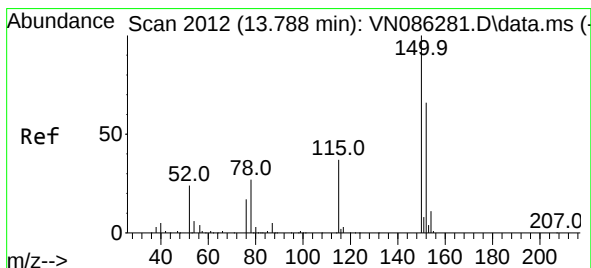
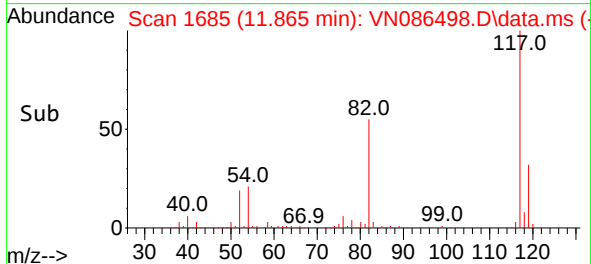
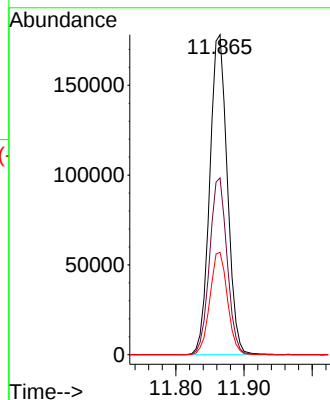
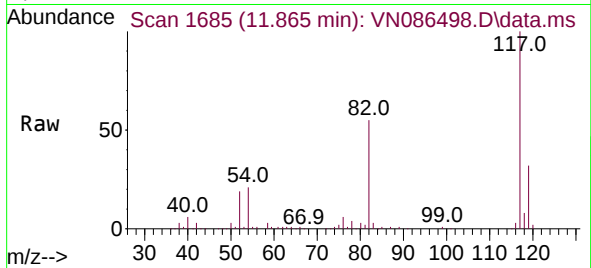




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

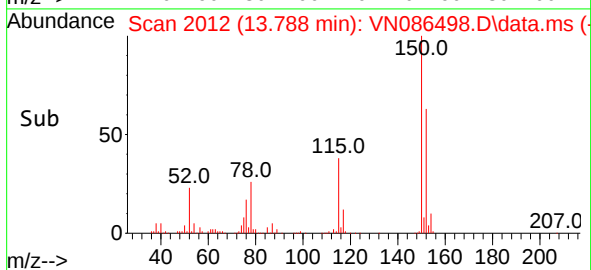
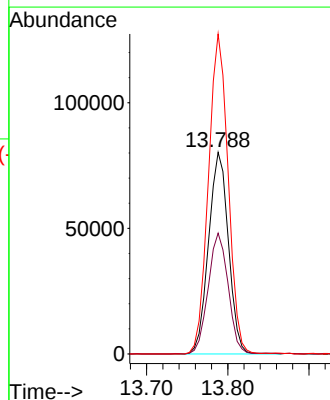
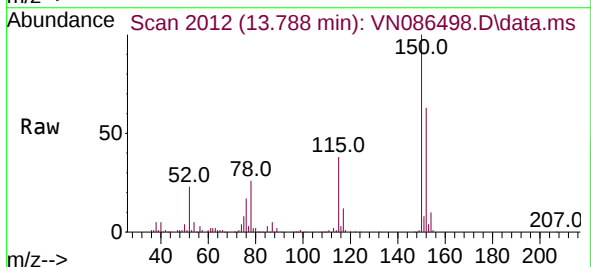
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

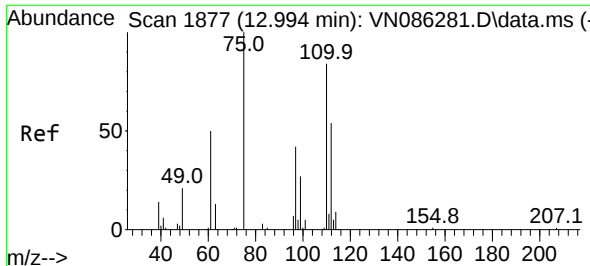
Tgt Ion:117 Resp: 319664  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.7 67.1  
119 32.0 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

Tgt Ion:152 Resp: 136315  
Ion Ratio Lower Upper  
152 100  
115 60.2 31.9 95.9  
150 157.2 0.0 352.0

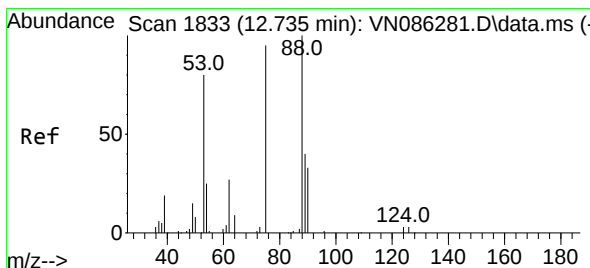
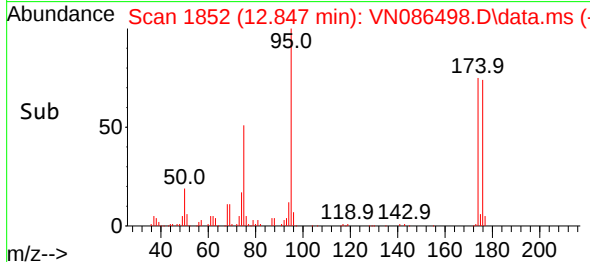
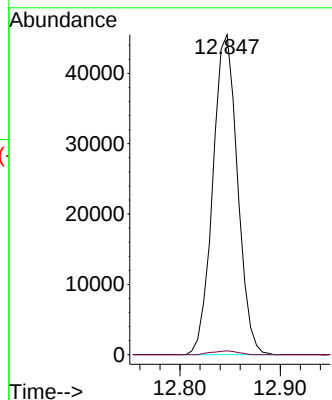
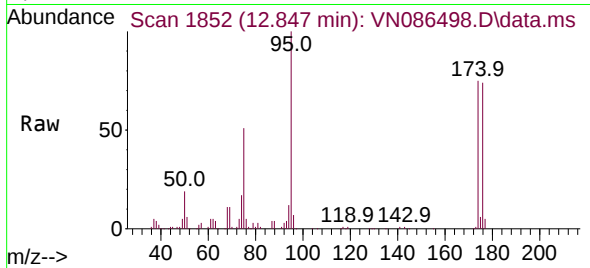




#76  
1,2,3-Trichloropropane  
Concen: 24.201 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

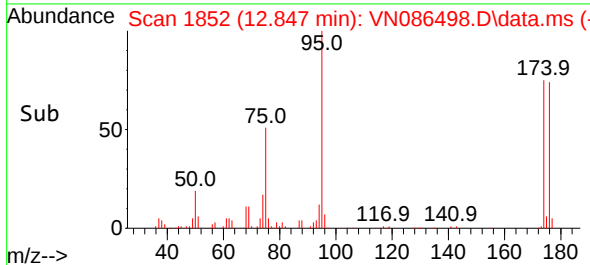
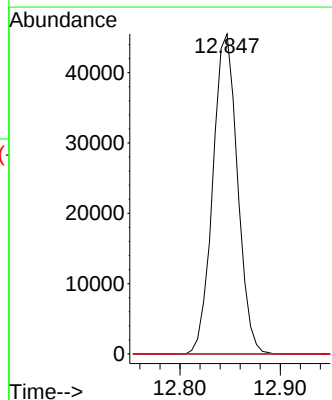
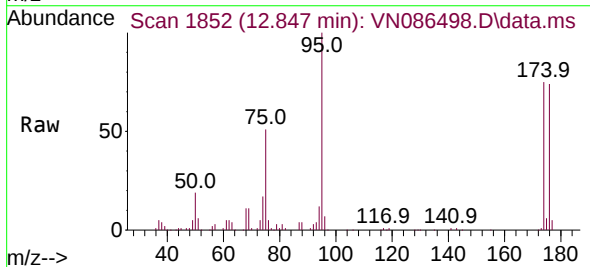
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

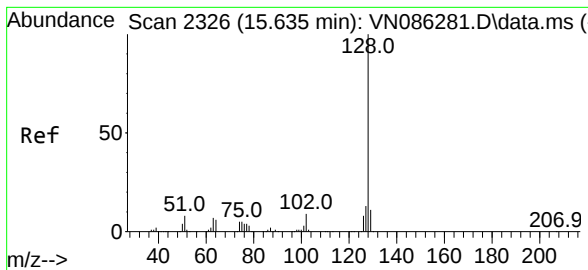
Tgt Ion: 75 Resp: 77849  
Ion Ratio Lower Upper  
75 100  
77 1.3 98.8 296.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.121 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN086498.D  
Acq: 05 May 2025 20:02

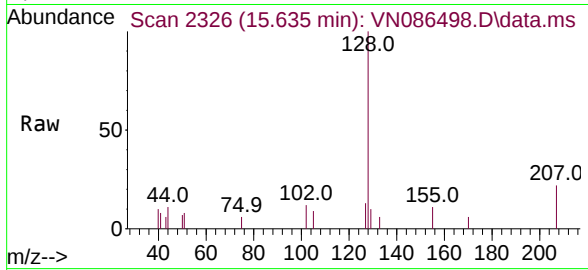
Tgt Ion: 75 Resp: 77849  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.2 118.8#  
89 0.0 35.7 53.5#





#95  
 Naphthalene  
 Concen: 0.779 ug/l  
 RT: 15.635 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN086498.D  
 Acq: 05 May 2025 20:02

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK



Tgt Ion:128 Resp: 5958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.8  | 10.2  | 15.4  |
| 129 | 13.4  | 8.6   | 13.0# |

