

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081524\  
 Data File : VN083338.D  
 Acq On : 15 Aug 2024 18:02  
 Operator : JC\MD  
 Sample : P3456-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 16 03:58:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

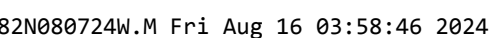
| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 125959   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 246799   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 261077   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 116747   | 50.000 | ug/l  | 0.00     |

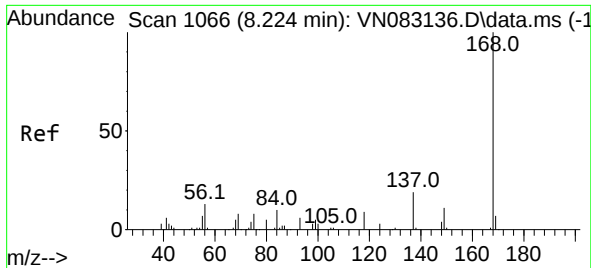
|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 105253   | 58.706   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 117.420% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 85917    | 55.773   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 111.540% |
| 50) Toluene-d8              | 10.571 | 98    | 314260   | 54.689   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 109.380% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 128479   | 57.351   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 114.700% |

| Target Compounds              |        |     |       |           | Qvalue |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| 3) Chloromethane              | 2.359  | 50  | 439   | 0.300     | ug/l # | 43 |
| 6) Chloroethane               | 3.095  | 64  | 435   | 0.466     | ug/l # | 41 |
| 16) Acetone                   | 4.436  | 43  | 1501  | 2.140     | ug/l # | 48 |
| 31) Cyclohexane               | 8.224  | 56  | 3185  | 1.199     | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 11375 | 4.881     | ug/l # | 49 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 14393 | 5.484     | ug/l # | 18 |
| 43) Isopropyl Acetate         | 8.694  | 43  | 771   | Below Cal | #      | 60 |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43  | 1663  | 0.674     | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 70414 | 27.481    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 70414 | 59.777    | ug/l # | 6  |

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

Quant Time: Aug 16 03:58:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
Response via : Initial Calibration

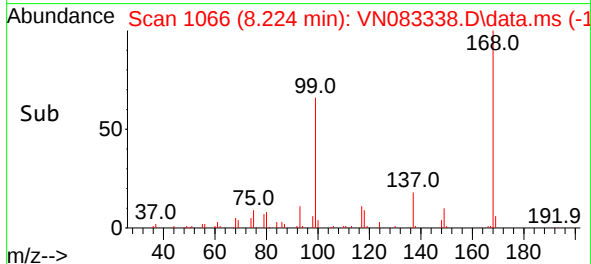
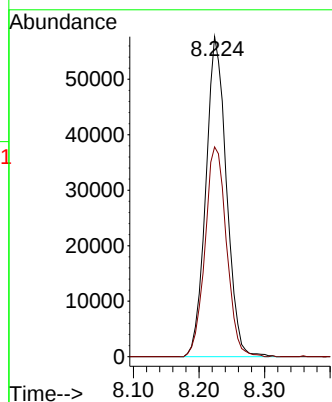
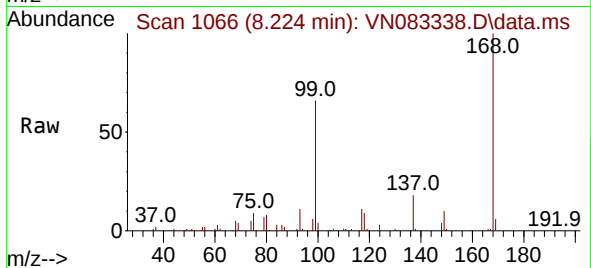




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

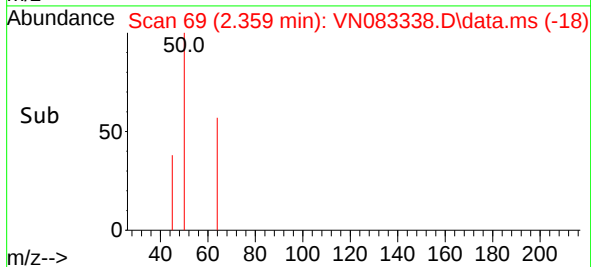
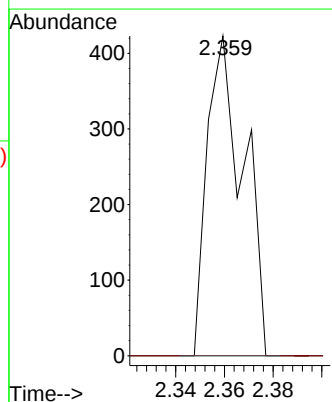
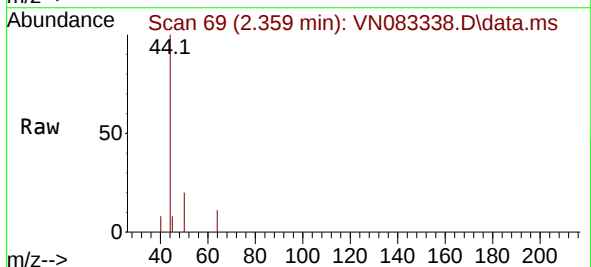
Instrument :  
MSVOA\_N  
ClientSampleId :

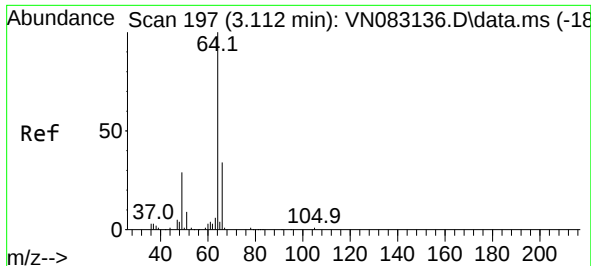
Tgt Ion:168 Resp: 125959  
Ion Ratio Lower Upper  
168 100  
99 65.5 48.2 72.4



#3  
Chloromethane  
Concen: 0.300 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

Tgt Ion: 50 Resp: 439  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#

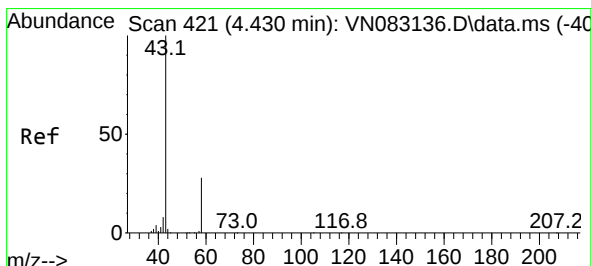
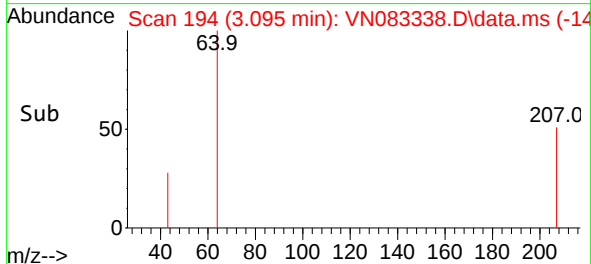
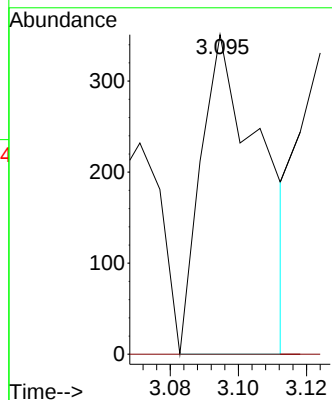
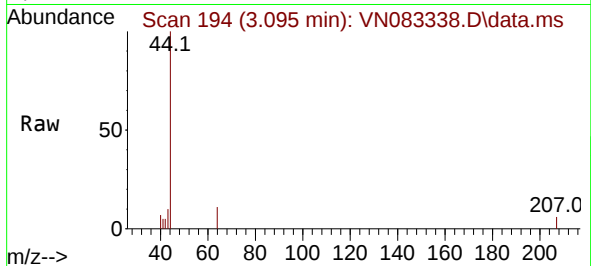




#6  
Chloroethane  
Concen: 0.466 ug/l  
RT: 3.095 min Scan# 194  
Delta R.T. -0.018 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

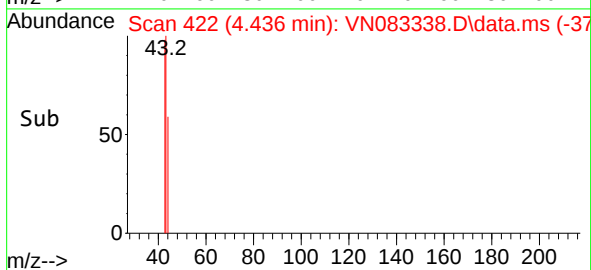
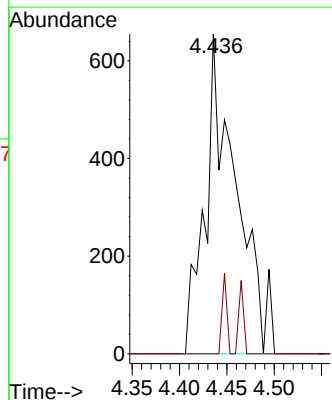
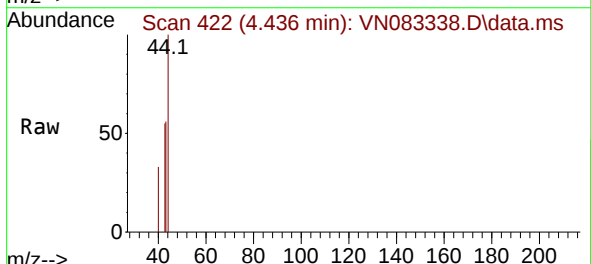
Instrument :  
MSVOA\_N  
ClientSampleId :

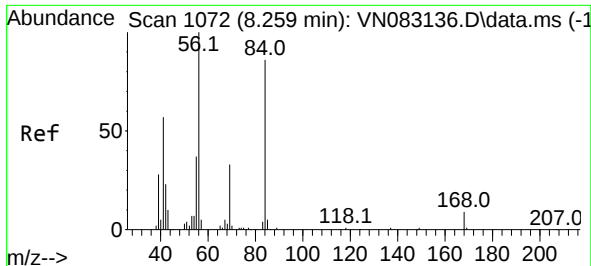
Tgt Ion: 64 Resp: 435  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.6 40.0#



#16  
Acetone  
Concen: 2.140 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

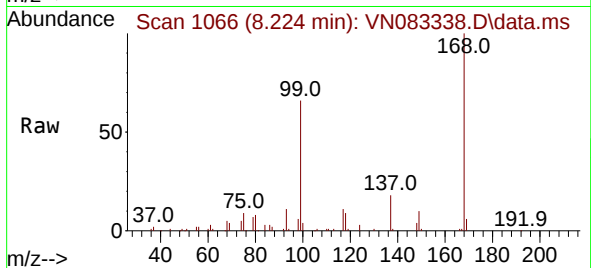
Tgt Ion: 43 Resp: 1501  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.8 32.6#



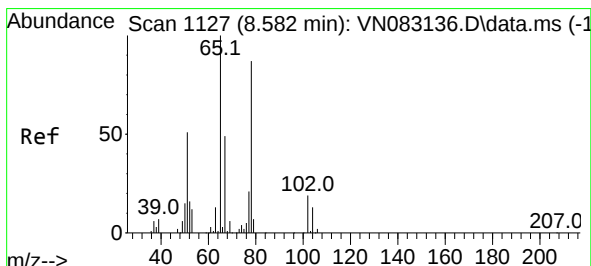
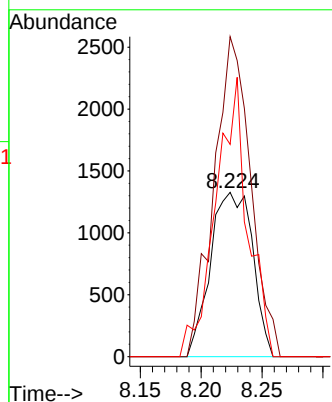
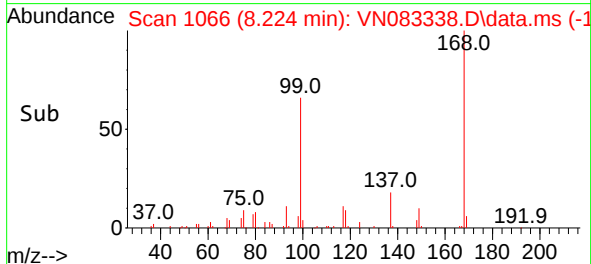


#31  
Cyclohexane  
Concen: 1.199 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

Instrument :  
MSVOA\_N  
ClientSampleId :

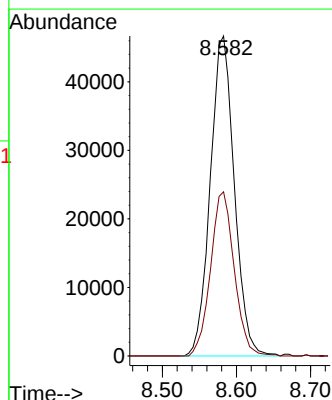
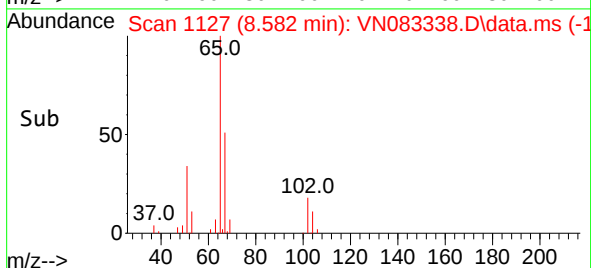
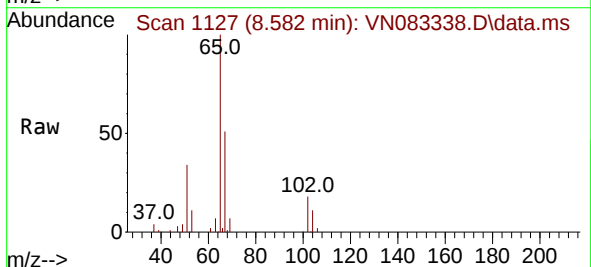


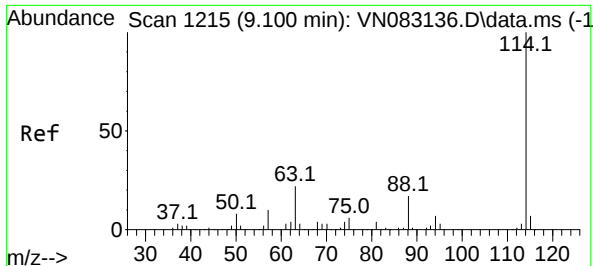
Tgt Ion: 56 Resp: 3185  
Ion Ratio Lower Upper  
56 100  
69 194.8 24.5 36.7#  
84 129.2 66.0 99.0#



#33  
1,2-Dichloroethane-d4  
Concen: 58.706 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

Tgt Ion: 65 Resp: 105253  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083338.D

Acq: 15 Aug 2024 18:02

Instrument :

MSVOA\_N

ClientSampleId :

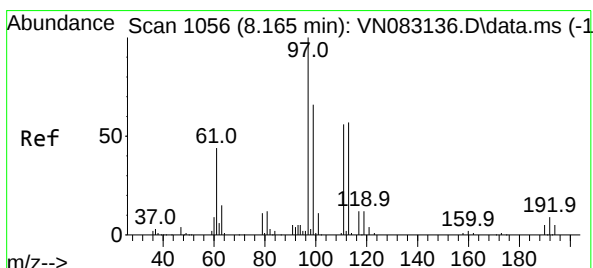
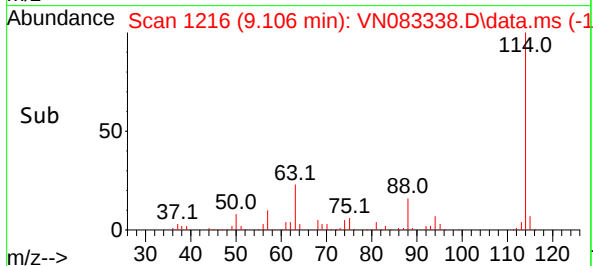
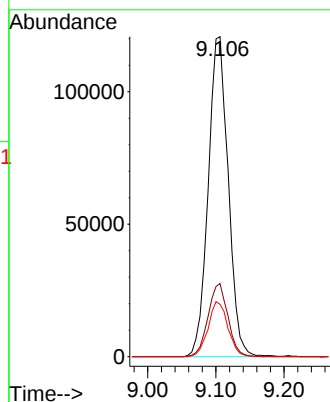
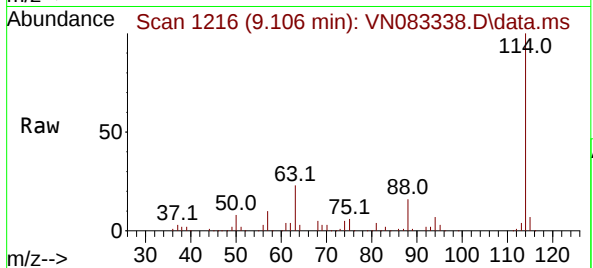
Tgt Ion:114 Resp: 246799

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 55.773 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083338.D

Acq: 15 Aug 2024 18:02

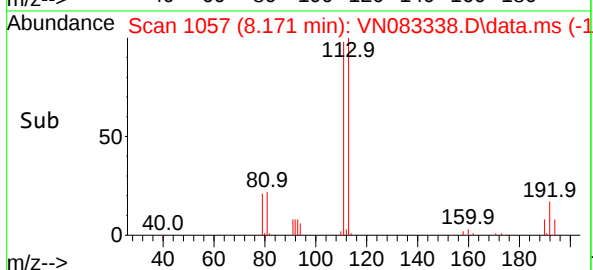
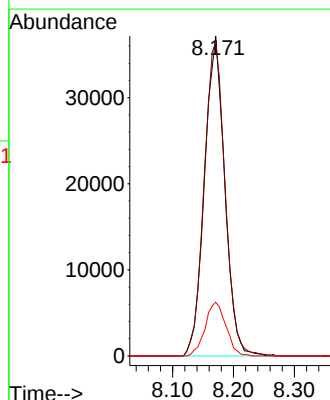
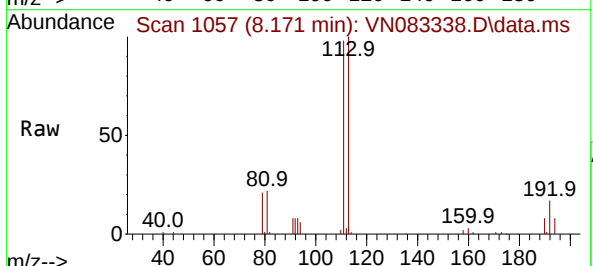
Tgt Ion:113 Resp: 85917

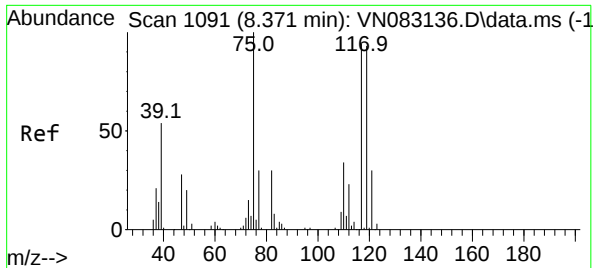
Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

192 17.2 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.881 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083338.D

Acq: 15 Aug 2024 18:02

Instrument :

MSVOA\_N

ClientSampleId :

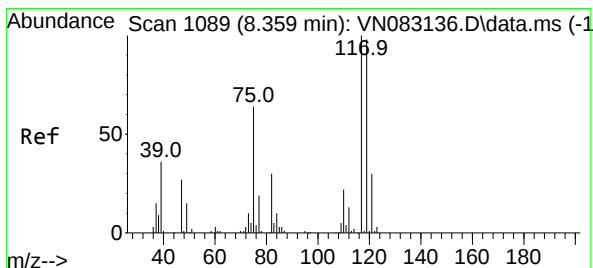
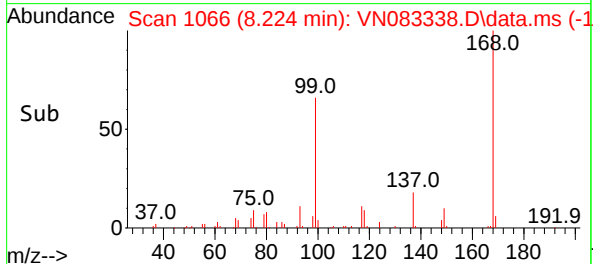
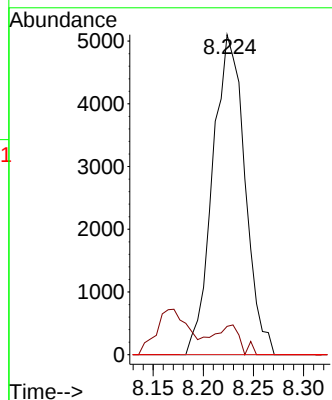
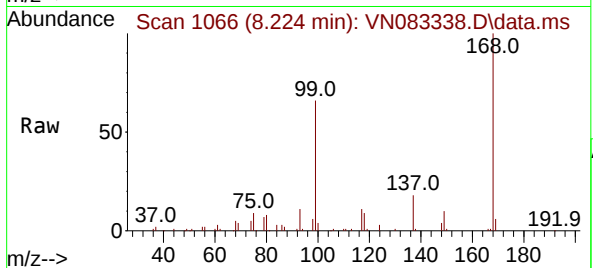
Tgt Ion: 75 Resp: 11375

Ion Ratio Lower Upper

75 100

110 6.6 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.484 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083338.D

Acq: 15 Aug 2024 18:02

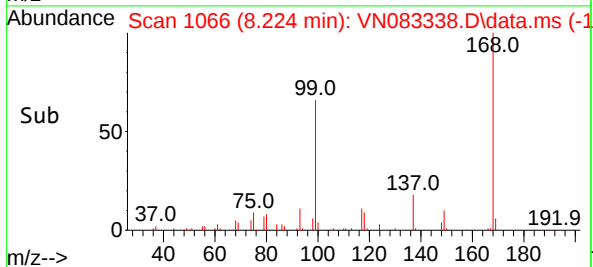
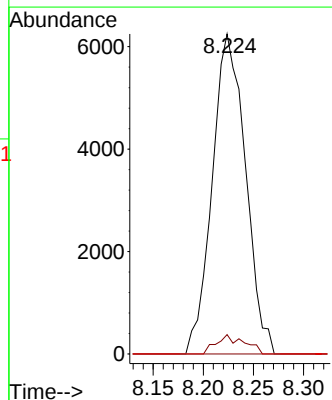
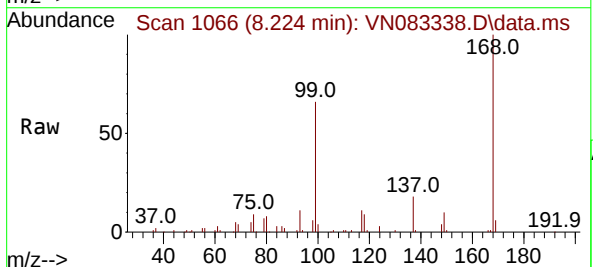
Tgt Ion: 117 Resp: 14393

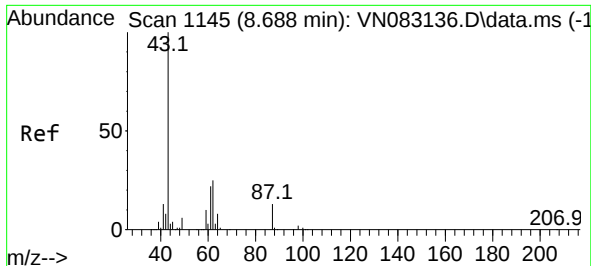
Ion Ratio Lower Upper

117 100

119 6.1 74.9 112.3#

121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

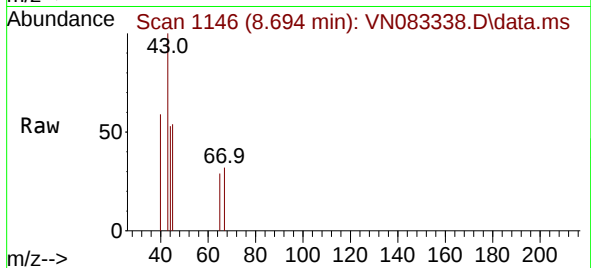
Lab File: VN083338.D

Acq: 15 Aug 2024 18:02

Instrument :

MSVOA\_N

ClientSampleId :



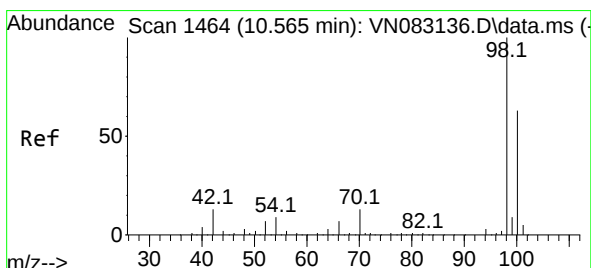
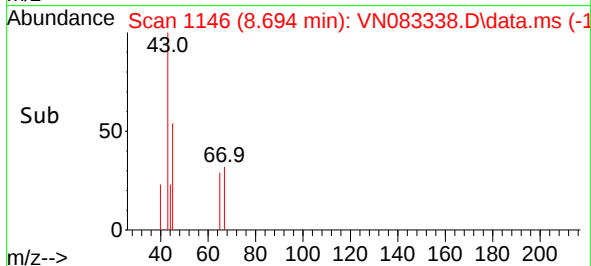
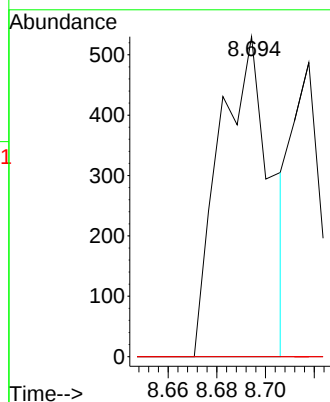
Tgt Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#



#50

Toluene-d8

Concen: 54.689 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN083338.D

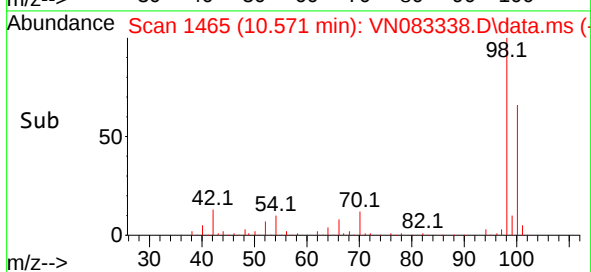
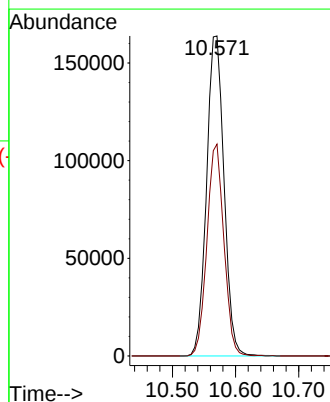
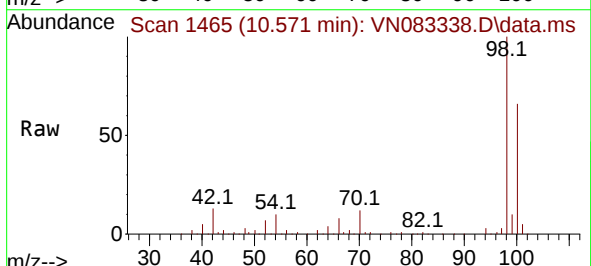
Acq: 15 Aug 2024 18:02

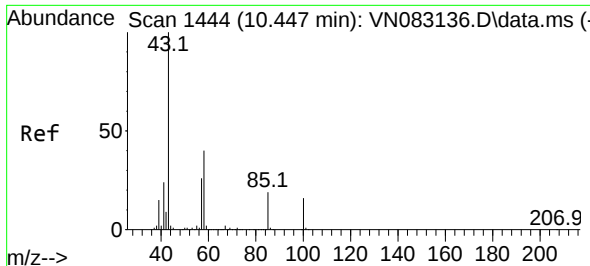
Tgt Ion: 98 Resp: 314260

Ion Ratio Lower Upper

98 100

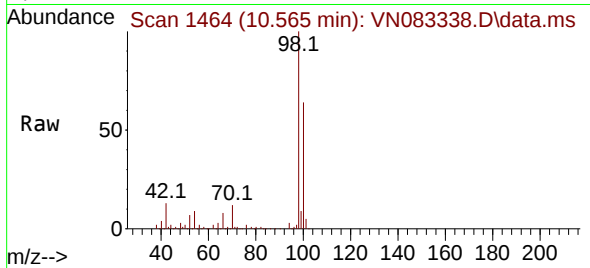
100 64.3 51.5 77.3



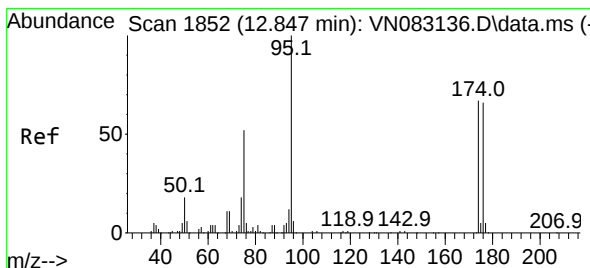
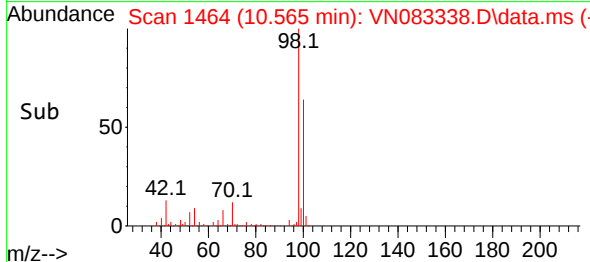
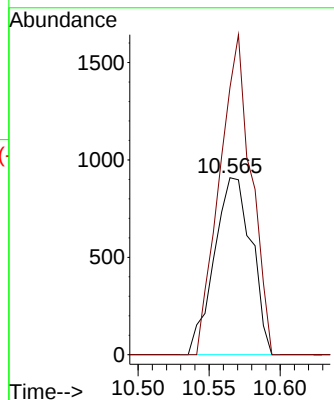


#51  
4-Methyl-2-Pentanone  
Concen: 0.674 ug/l  
RT: 10.565 min Scan# 1444  
Delta R.T. 0.118 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

Instrument :  
MSVOA\_N  
ClientSampleId :

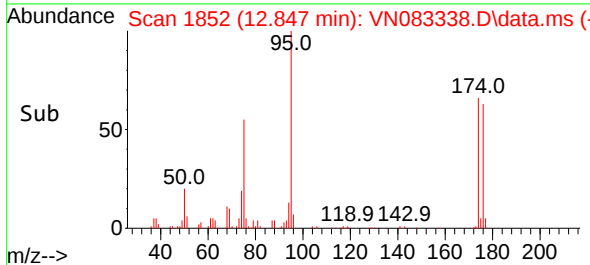
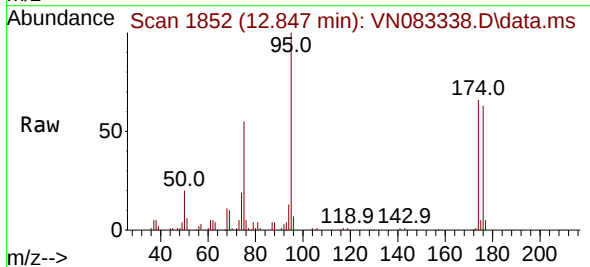
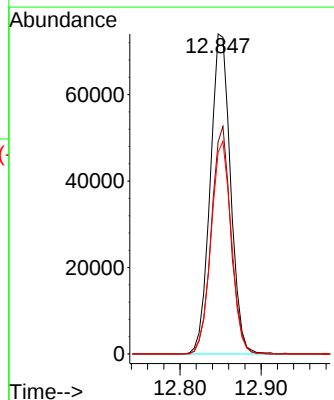


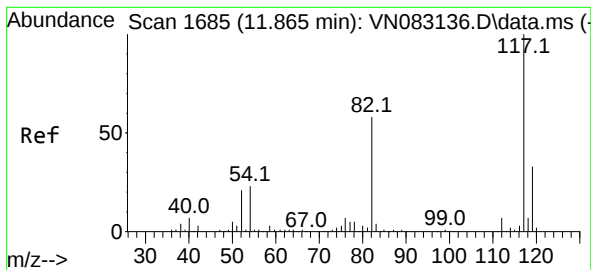
Tgt Ion: 43 Resp: 1663  
Ion Ratio Lower Upper  
43 100  
58 153.3 28.2 42.4#



#62  
4-Bromofluorobenzene  
Concen: 57.351 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

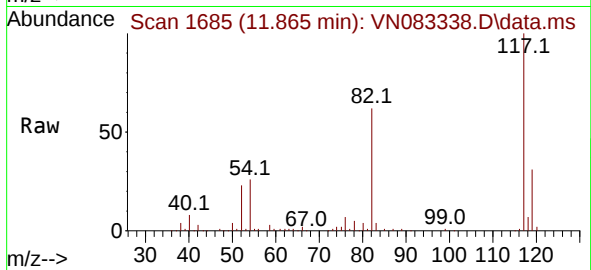
Tgt Ion: 95 Resp: 128479  
Ion Ratio Lower Upper  
95 100  
174 68.6 0.0 159.2  
176 66.3 0.0 147.6



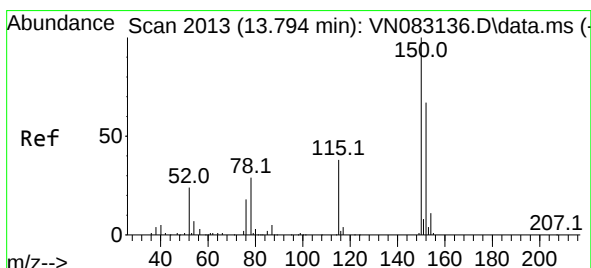
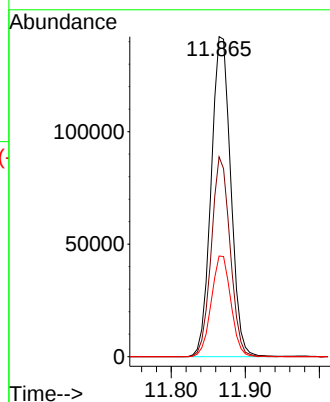
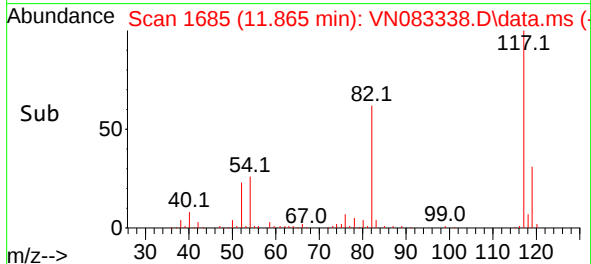


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

Instrument :  
MSVOA\_N  
ClientSampleId :

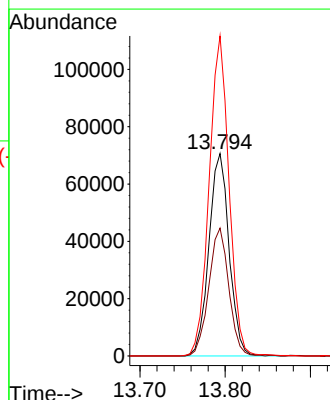
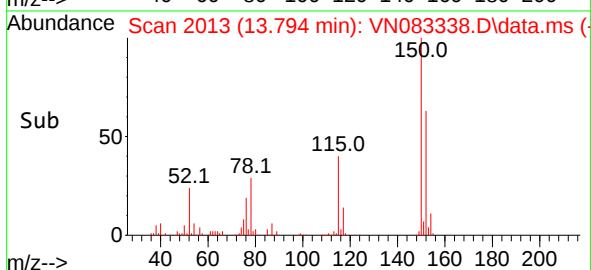
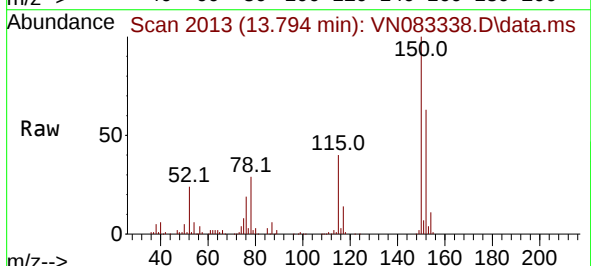


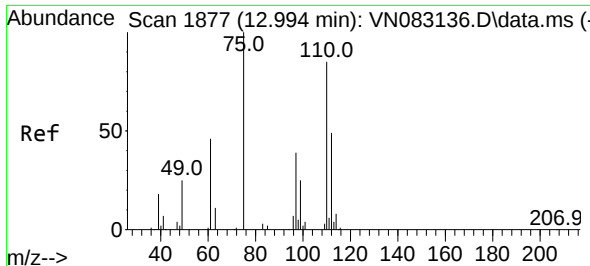
Tgt Ion:117 Resp: 261077  
Ion Ratio Lower Upper  
117 100  
82 62.5 47.5 71.3  
119 31.5 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

Tgt Ion:152 Resp: 116747  
Ion Ratio Lower Upper  
152 100  
115 62.5 30.6 91.6  
150 155.0 0.0 348.6

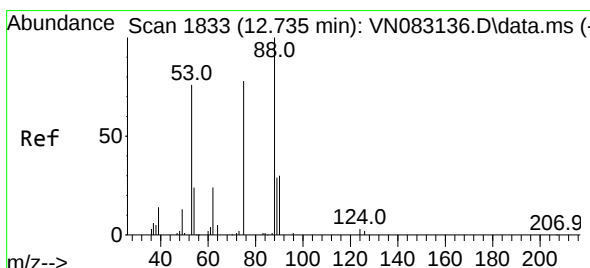
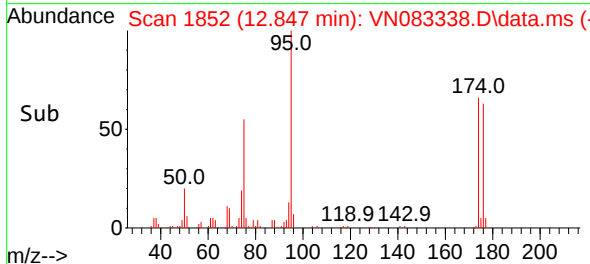
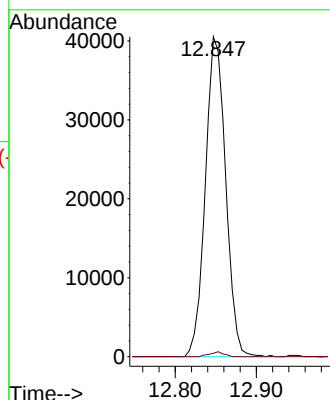
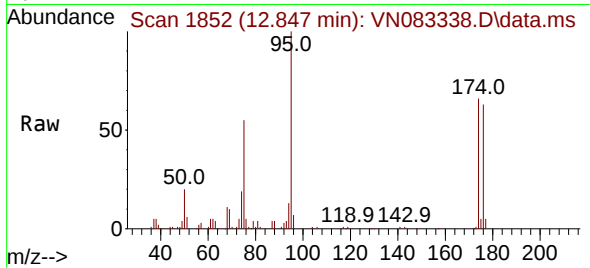




#76  
1,2,3-Trichloropropane  
Concen: 27.481 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 70414  
Ion Ratio Lower Upper  
75 100  
77 1.1 110.9 332.6#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 59.777 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN083338.D  
Acq: 15 Aug 2024 18:02

Tgt Ion: 75 Resp: 70414  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.4 132.6#  
89 0.0 36.3 54.5#

