

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081524\  
 Data File : VN083322.D  
 Acq On : 15 Aug 2024 11:24  
 Operator : JC\MD  
 Sample : VN0815WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBL01

Quant Time: Aug 16 01:47:28 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  | 136567   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 267232   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 274150   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 121199   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 109209   | 56.181   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 112.360% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 86960    | 52.134   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.260% |
| 50) Toluene-d8              | 10.565 | 98    | 324507   | 52.154   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 104.300% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 133381   | 54.986   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 109.980% |

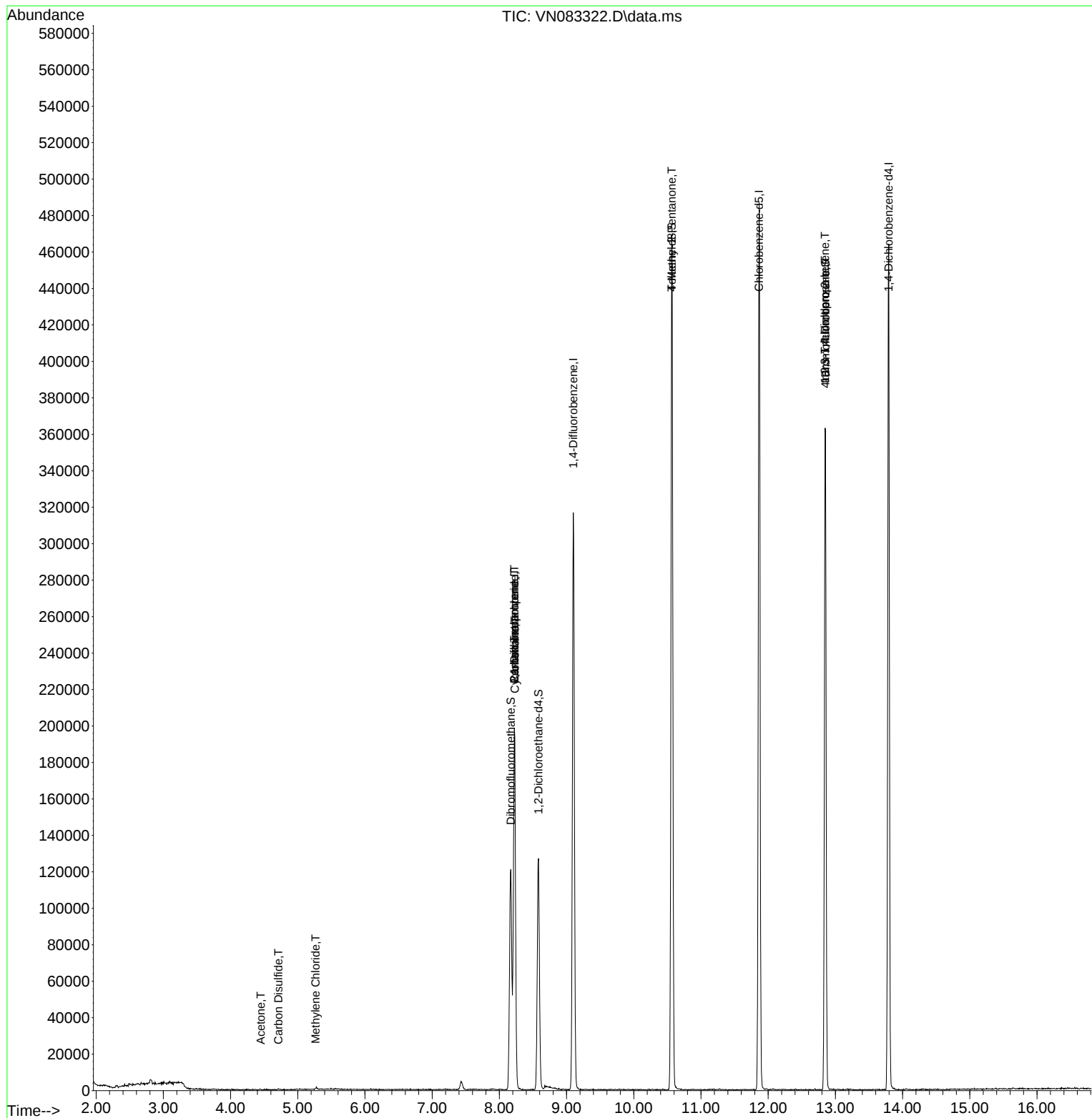
| Target Compounds              |        |     |       |           | Qvalue |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| 16) Acetone                   | 4.448  | 43  | 473   | 0.622     | ug/l # | 48 |
| 17) Carbon Disulfide          | 4.712  | 76  | 989   | 0.223     | ug/l # | 75 |
| 20) Methylene Chloride        | 5.265  | 84  | 671   | 0.383     | ug/l # | 23 |
| 31) Cyclohexane               | 8.230  | 56  | 3505  | 1.217     | ug/l # | 8  |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 12342 | 4.891     | ug/l # | 51 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 15401 | 5.419     | ug/l # | 17 |
| 43) Isopropyl Acetate         | 8.688  | 43  | 1446  | Below Cal | #      | 60 |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43  | 1394  | 0.522     | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 73808 | 27.747    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 73808 | 60.357    | ug/l # | 6  |

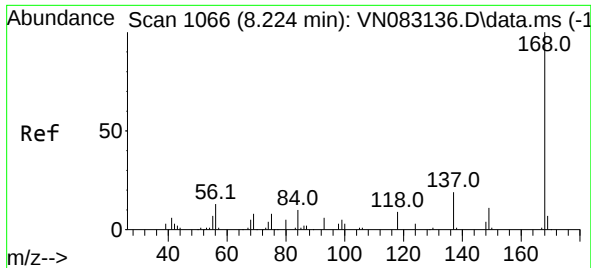
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
Response via : Initial Calibration

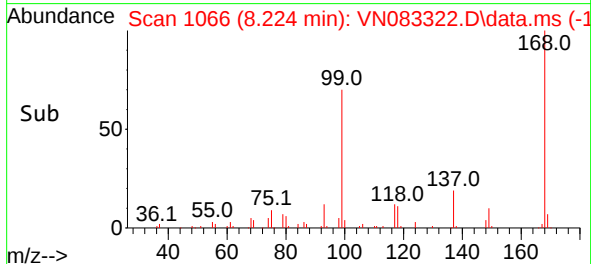
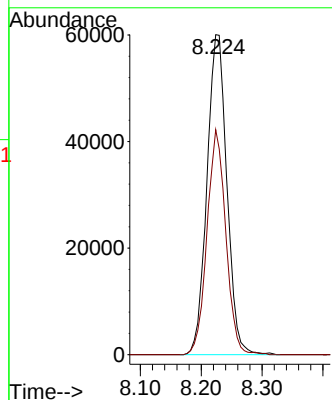
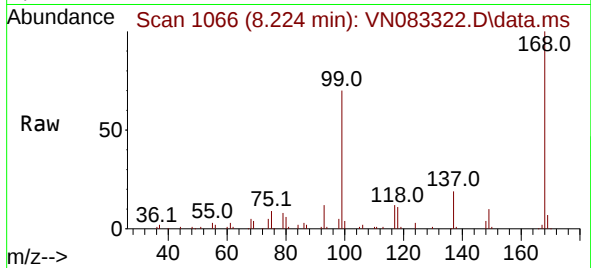




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

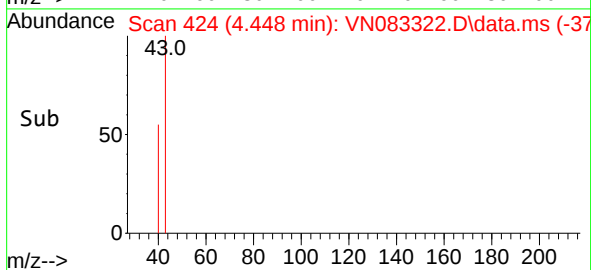
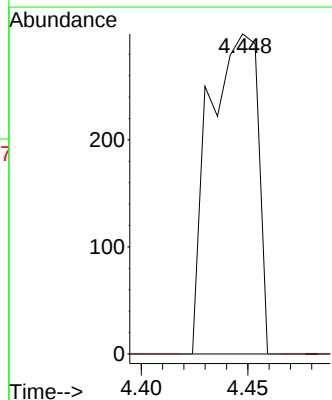
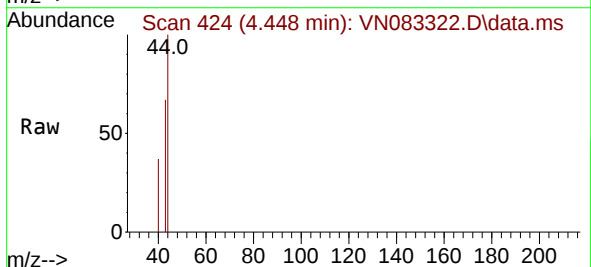
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBL01

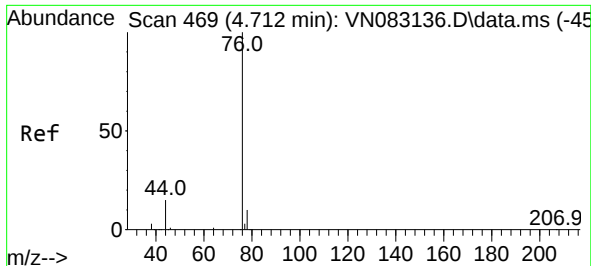
Tgt Ion:168 Resp: 136567  
Ion Ratio Lower Upper  
168 100  
99 70.3 48.2 72.4



#16  
Acetone  
Concen: 0.622 ug/l  
RT: 4.448 min Scan# 424  
Delta R.T. 0.018 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

Tgt Ion: 43 Resp: 473  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.8 32.6#

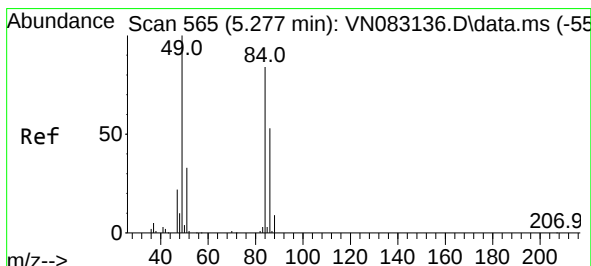
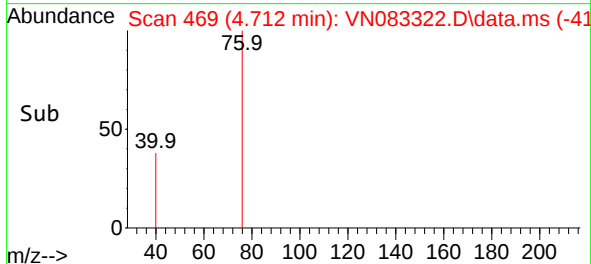
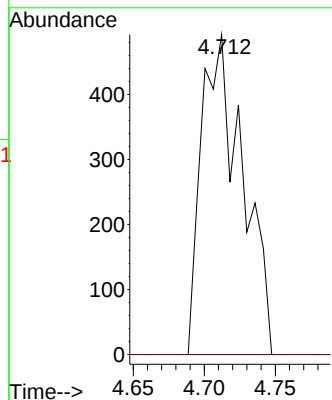
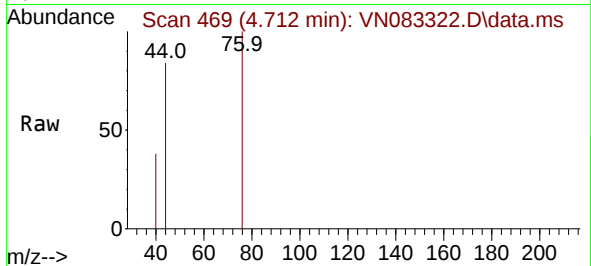




#17  
Carbon Disulfide  
Concen: 0.223 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

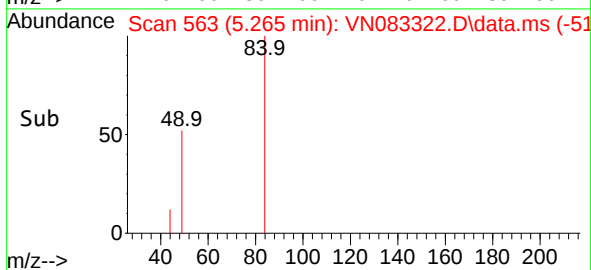
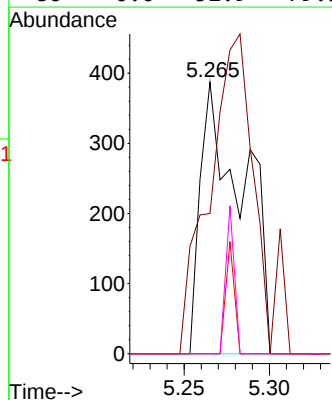
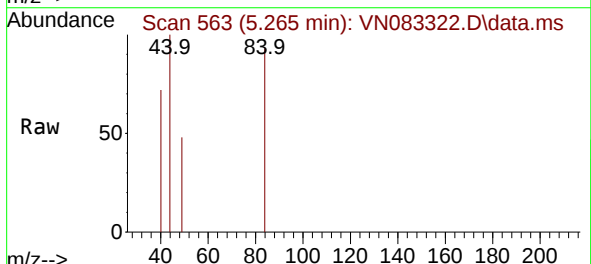
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBL01

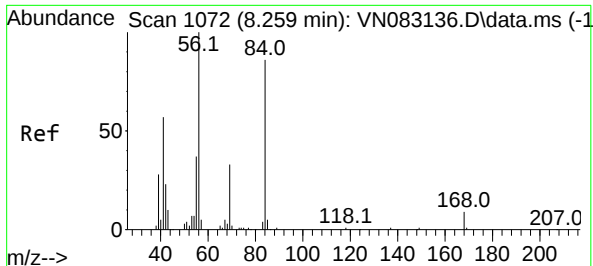
Tgt Ion: 76 Resp: 989  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#20  
Methylene Chloride  
Concen: 0.383 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. -0.012 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

Tgt Ion: 84 Resp: 671  
Ion Ratio Lower Upper  
84 100  
49 51.7 119.6 179.4#  
51 0.0 34.8 52.2#  
86 0.0 52.9 79.3#

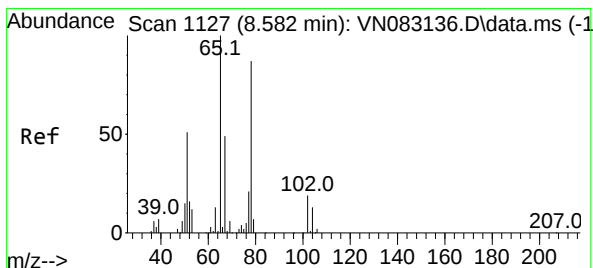
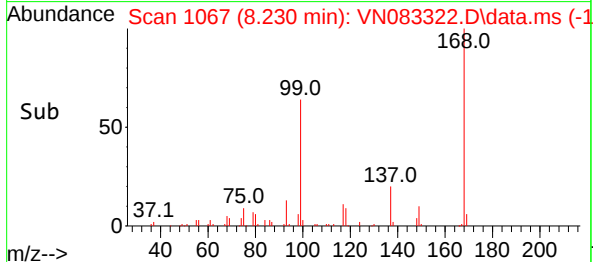
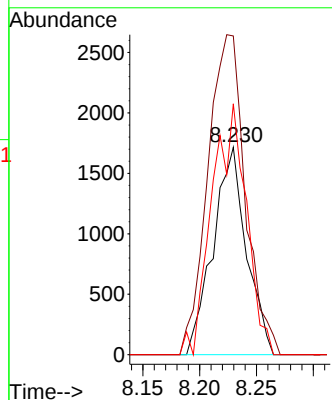
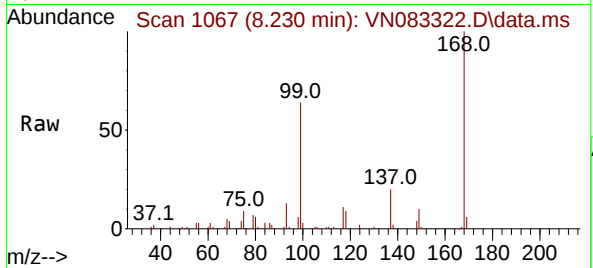




#31  
Cyclohexane  
Concen: 1.217 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.029 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

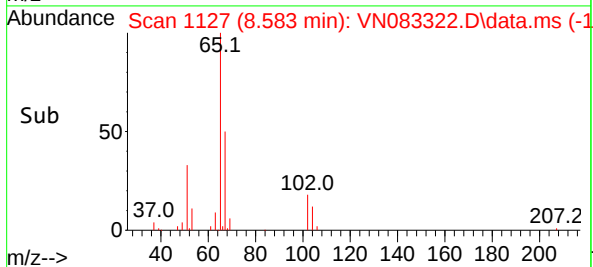
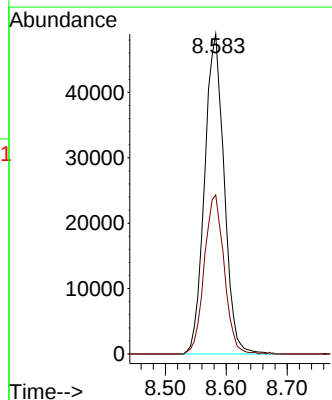
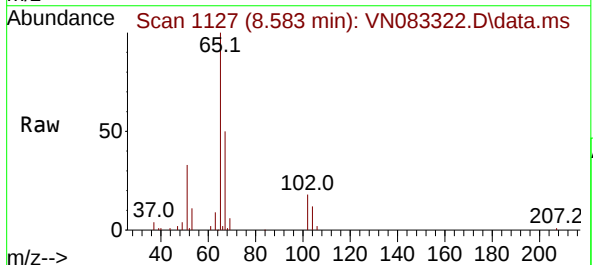
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBL01

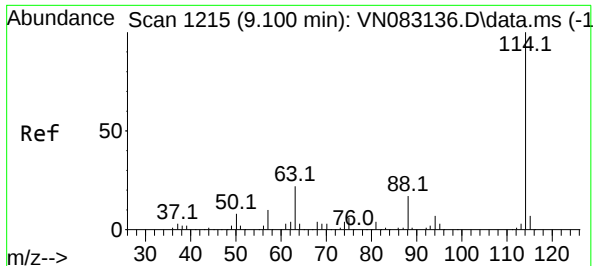
Tgt Ion: 56 Resp: 3505  
Ion Ratio Lower Upper  
56 100  
69 153.6 24.5 36.7#  
84 120.9 66.0 99.0#



#33  
1,2-Dichloroethane-d4  
Concen: 56.181 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.001 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

Tgt Ion: 65 Resp: 109209  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083322.D

Acq: 15 Aug 2024 11:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBL01

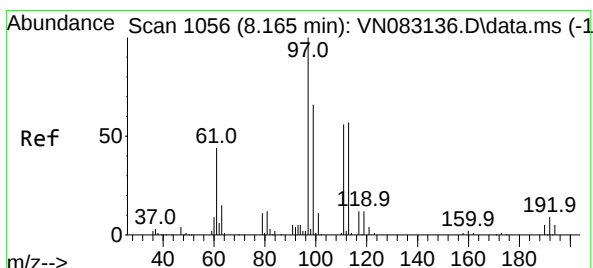
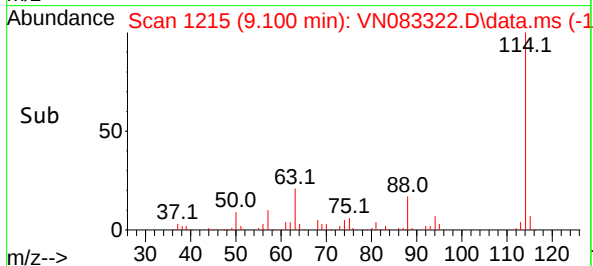
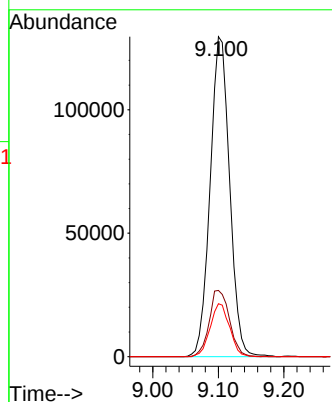
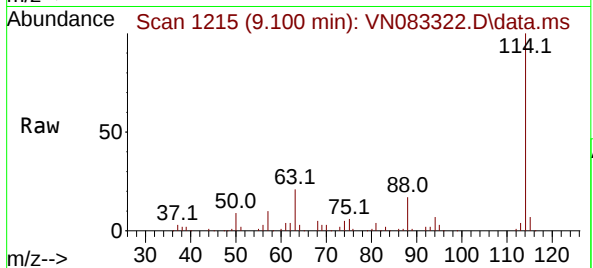
Tgt Ion:114 Resp: 267232

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.6

88 16.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.134 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083322.D

Acq: 15 Aug 2024 11:24

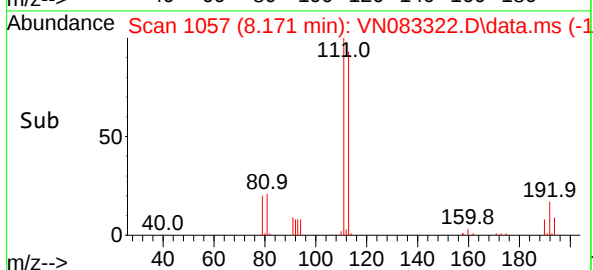
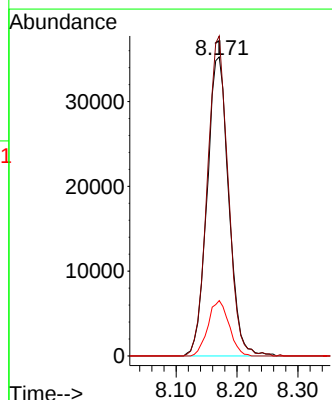
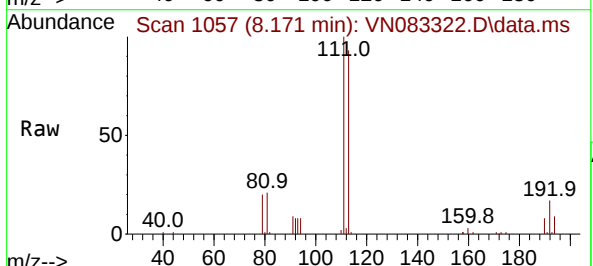
Tgt Ion:113 Resp: 86960

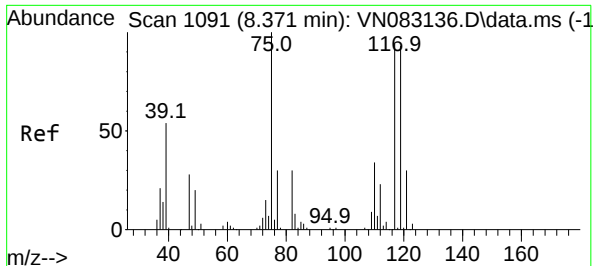
Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 18.0 14.9 22.3

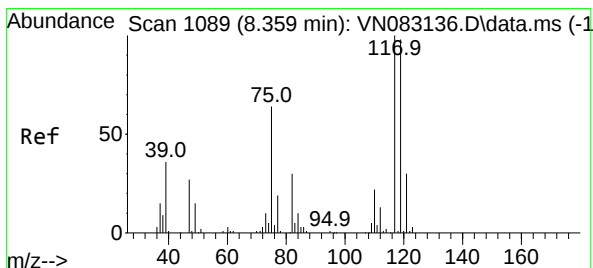
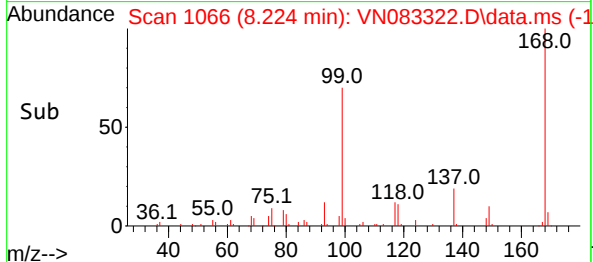
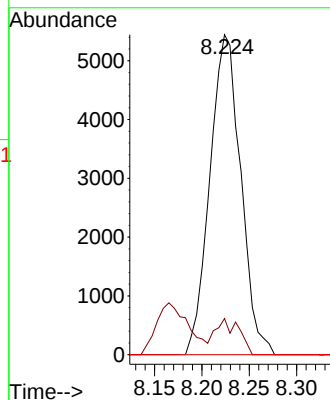
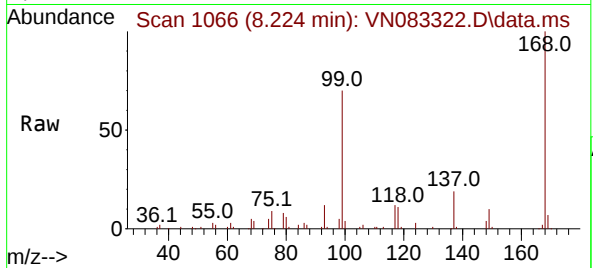




#36  
1,1-Dichloropropene  
Concen: 4.891 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.147 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

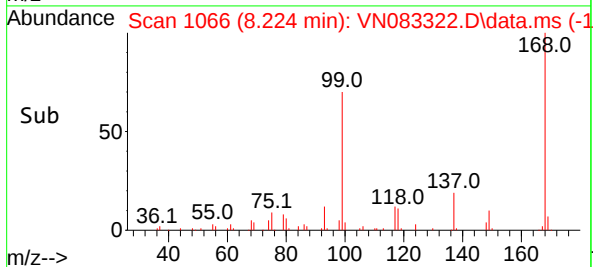
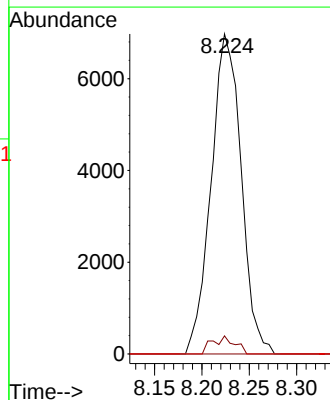
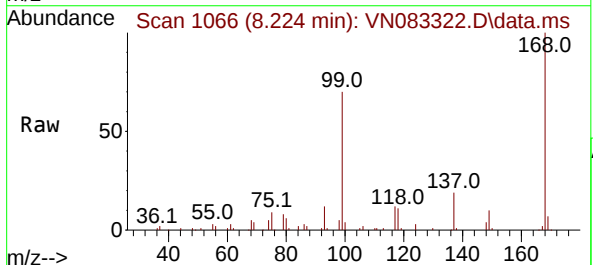
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBL01

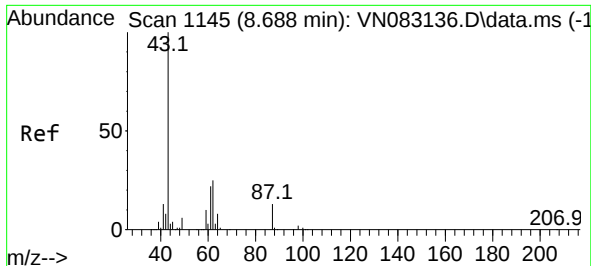
Tgt Ion: 75 Resp: 12342  
Ion Ratio Lower Upper  
75 100  
110 8.6 16.3 48.9#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.419 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.135 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

Tgt Ion: 117 Resp: 15401  
Ion Ratio Lower Upper  
117 100  
119 5.7 74.9 112.3#  
121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083322.D

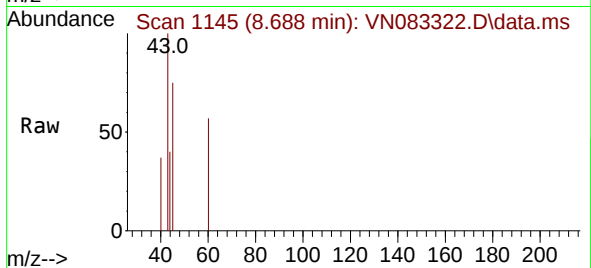
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Instrument :

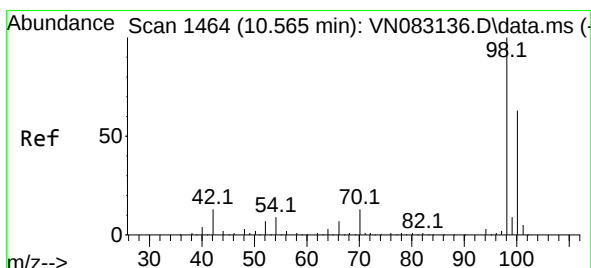
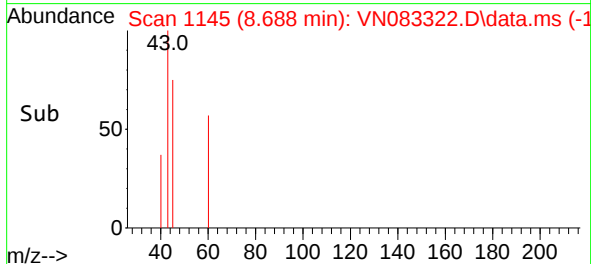
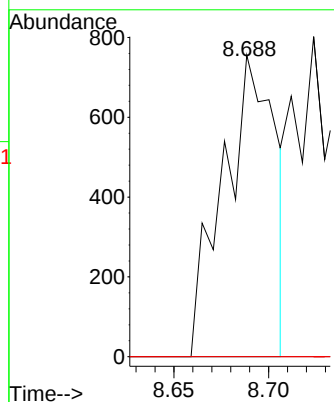
MSVOA\_N

ClientSampleId :

VN0815WBL01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1446  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 17.8  | 26.6# |
| 87       | 0.0   | 8.2   | 12.2# |



#50

Toluene-d8

Concen: 52.154 ug/l

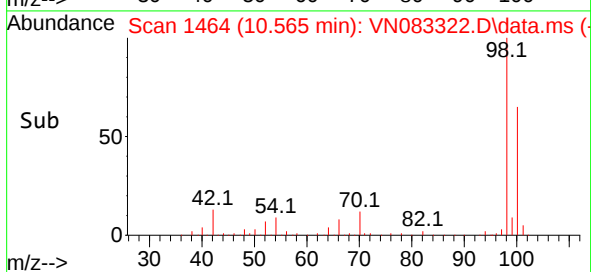
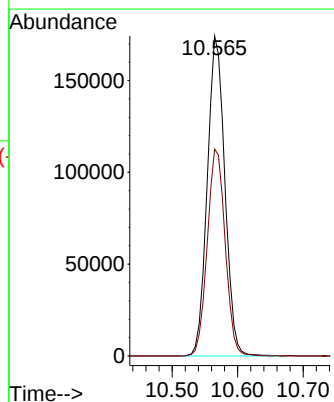
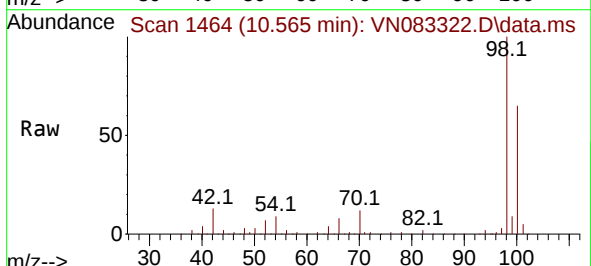
RT: 10.565 min Scan# 1464

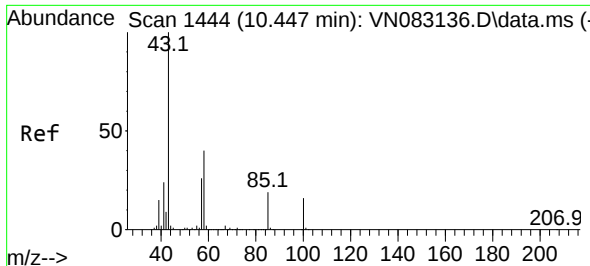
Delta R.T. -0.000 min

Lab File: VN083322.D

Acq: 15 Aug 2024 11:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 324507 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.8  | 51.5  | 77.3   |

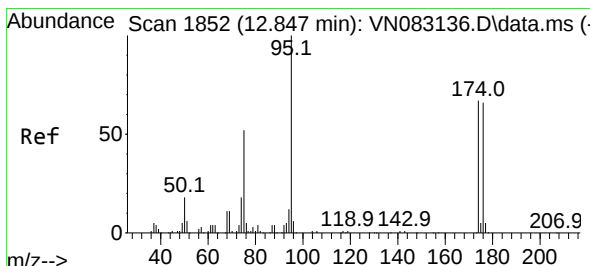
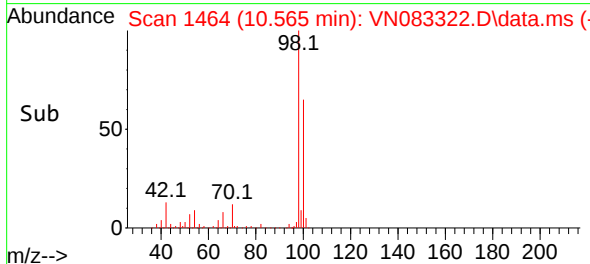
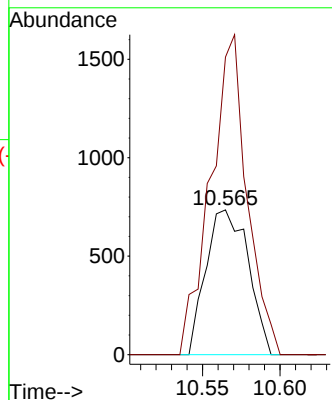
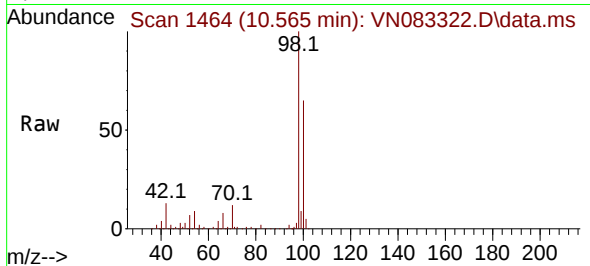




#51  
4-Methyl-2-Pentanone  
Concen: 0.522 ug/l  
RT: 10.565 min Scan# 1444  
Delta R.T. 0.118 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

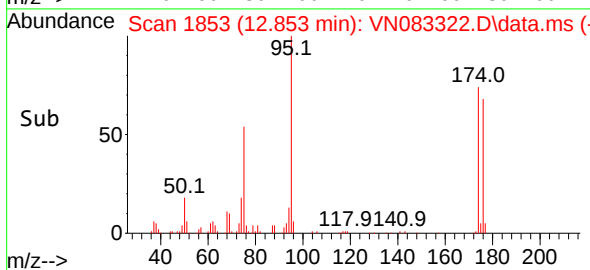
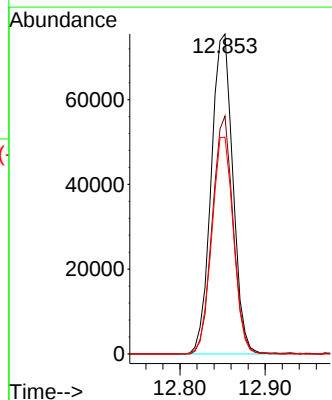
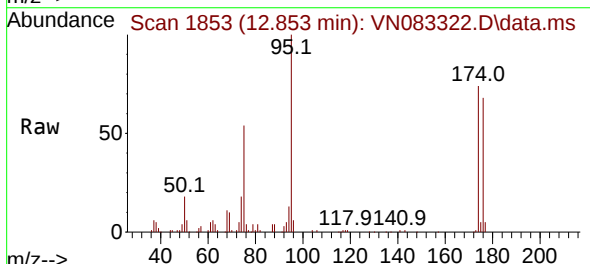
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBL01

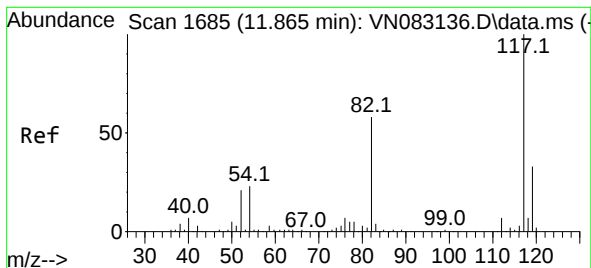
Tgt Ion: 43 Resp: 1394  
Ion Ratio Lower Upper  
43 100  
58 191.2 28.2 42.4#



#62  
4-Bromofluorobenzene  
Concen: 54.986 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

Tgt Ion: 95 Resp: 133381  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 159.2  
176 67.8 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083322.D

Acq: 15 Aug 2024 11:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBL01

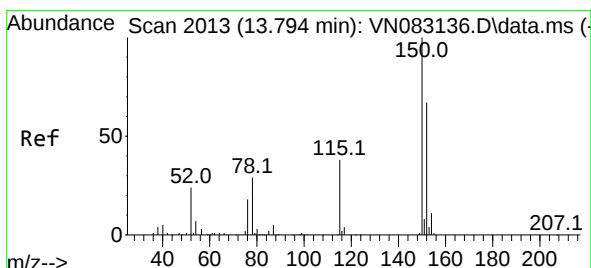
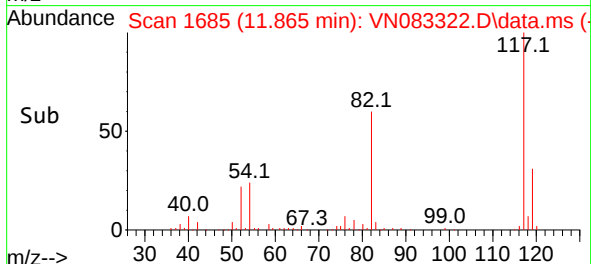
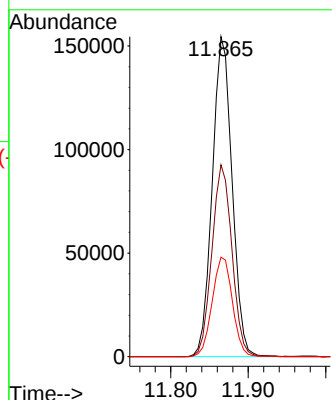
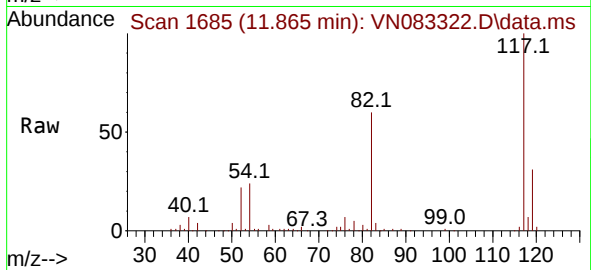
Tgt Ion:117 Resp: 274150

Ion Ratio Lower Upper

117 100

82 60.0 47.5 71.3

119 31.1 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: VN083322.D

Acq: 15 Aug 2024 11:24

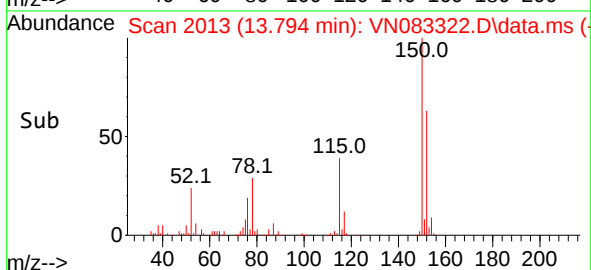
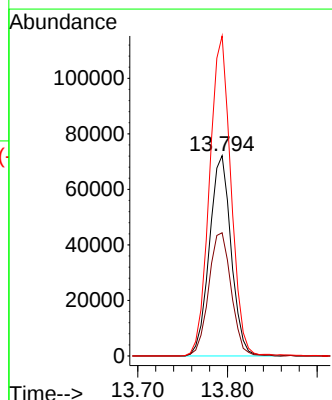
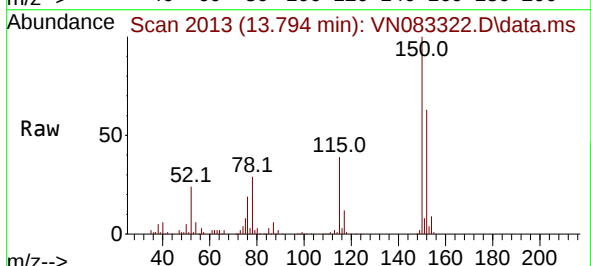
Tgt Ion:152 Resp: 121199

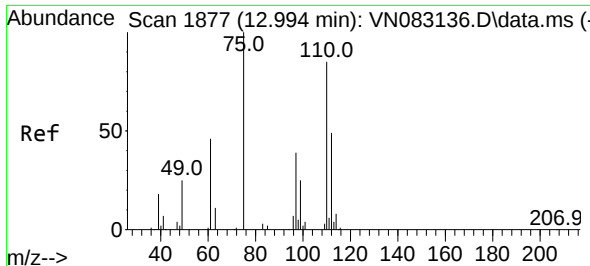
Ion Ratio Lower Upper

152 100

115 63.7 30.6 91.6

150 158.2 0.0 348.6

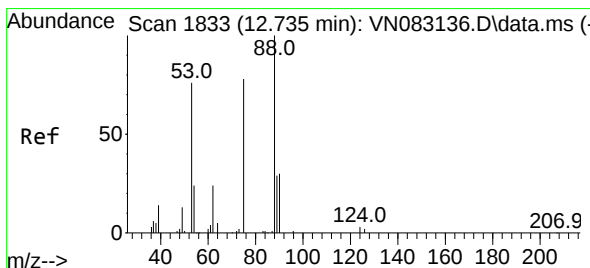
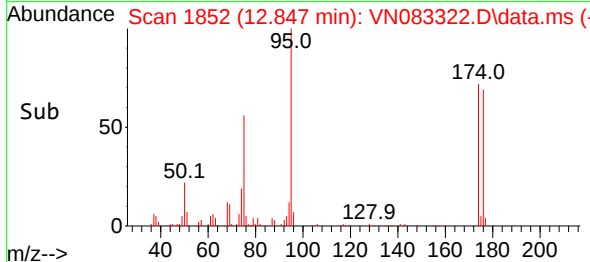
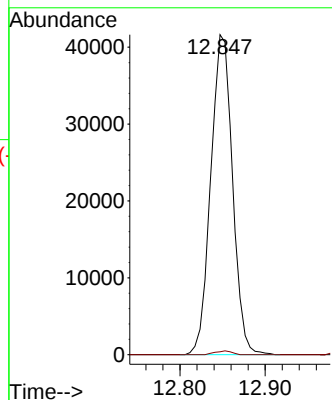
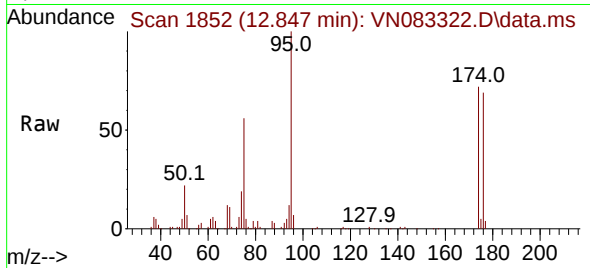




#76  
1,2,3-Trichloropropane  
Concen: 27.747 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBL01

Tgt Ion: 75 Resp: 73808  
Ion Ratio Lower Upper  
75 100  
77 0.9 110.9 332.6#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.357 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN083322.D  
Acq: 15 Aug 2024 11:24

Tgt Ion: 75 Resp: 73808  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.4 132.6#  
89 0.0 36.3 54.5#

