

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081024\  
 Data File : VN083213.D  
 Acq On : 10 Aug 2024 17:22  
 Operator : JC\MD  
 Sample : P3479-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 12 01:54:35 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

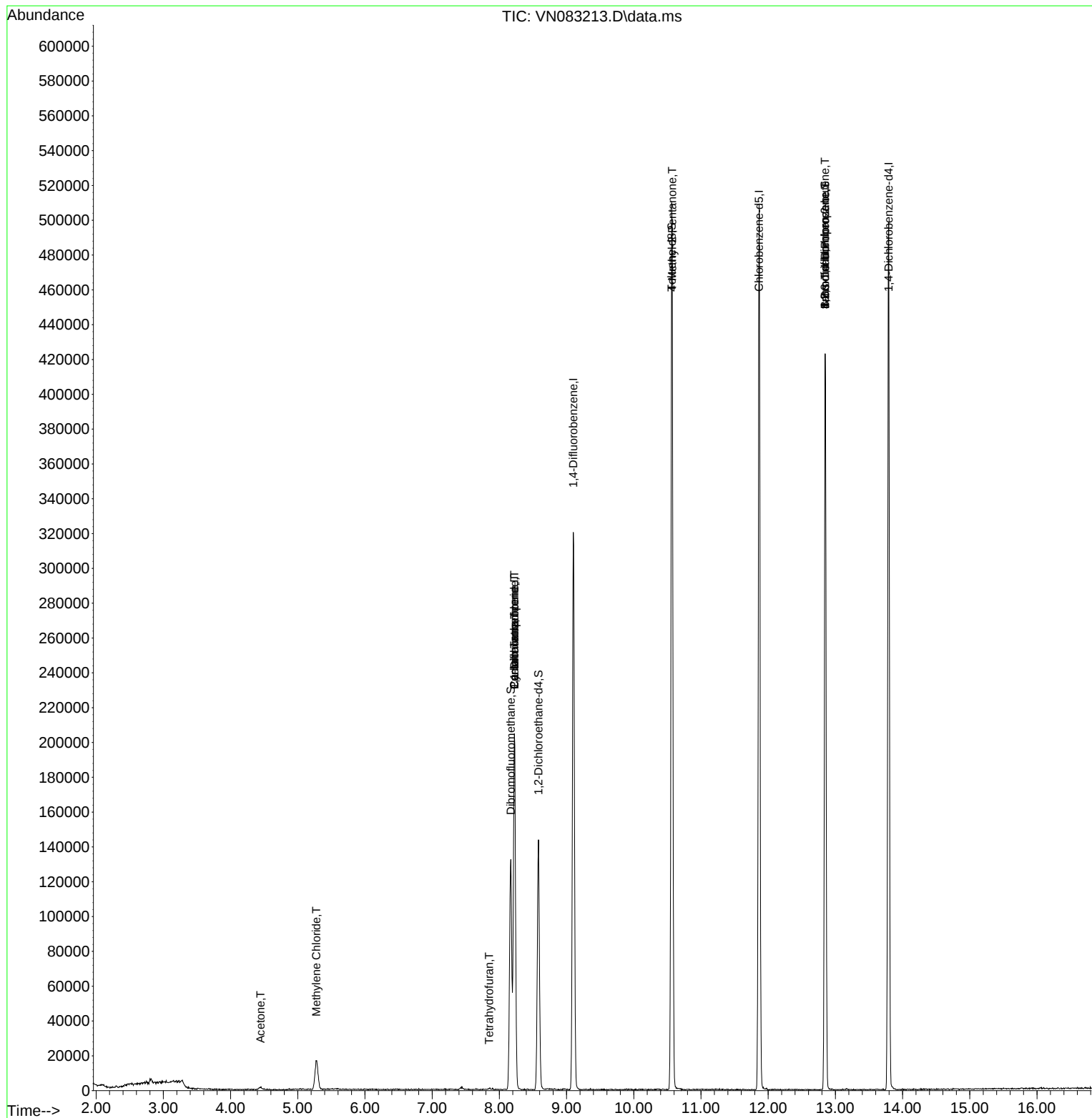
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 140723   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 270671   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 279284   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 129083   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 120249   | 60.033    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 120.060% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 94137    | 55.720    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 111.440% |          |
| 50) Toluene-d8                | 10.565 | 98    | 352640   | 55.956    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 111.920% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 152295   | 61.986    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 64 - 133 | Recovery  | = 123.980% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 16) Acetone                   | 4.447  | 43    | 2635     | 3.362     | ug/l       | 96       |
| 20) Methylene Chloride        | 5.277  | 84    | 13465    | 7.465     | ug/l       | 86       |
| 29) Tetrahydrofuran           | 7.847  | 42    | 585      | 0.752     | ug/l #     | 58       |
| 31) Cyclohexane               | 8.224  | 56    | 3425     | 1.154     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.224  | 75    | 12840    | 5.024     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 16669    | 5.791     | ug/l #     | 16       |
| 43) Isopropyl Acetate         | 8.724  | 43    | 565      | Below Cal | #          | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.571 | 43    | 1831     | 0.677     | ug/l #     | 1        |
| 71) Bromoform                 | 12.847 | 173   | 564      | 0.342     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 83581    | 29.502    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 83581    | 64.174    | ug/l #     | 6        |
| -----                         |        |       |          |           |            |          |

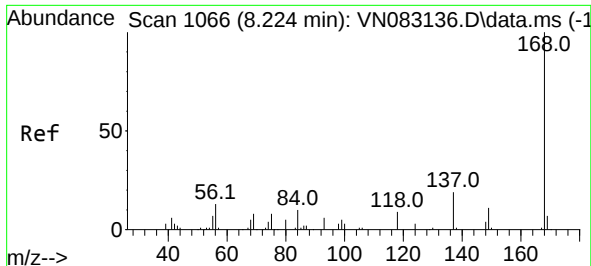
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081024\  
Data File : VN083213.D  
Acq On : 10 Aug 2024 17:22  
Operator : JC\MD  
Sample : P3479-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

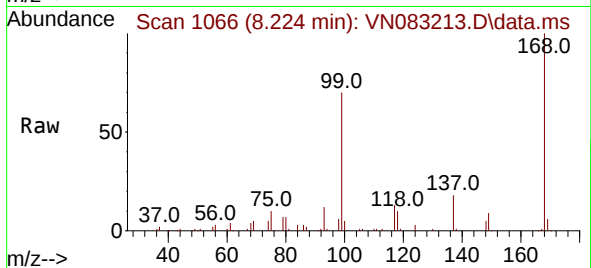
Quant Time: Aug 12 01:54:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
Response via : Initial Calibration



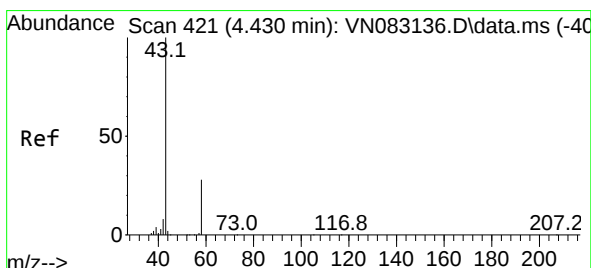
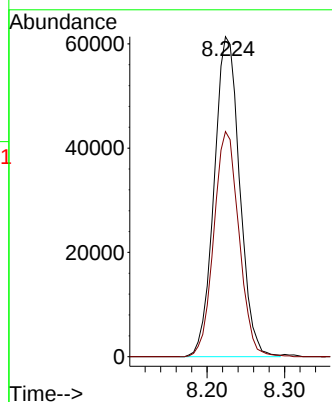
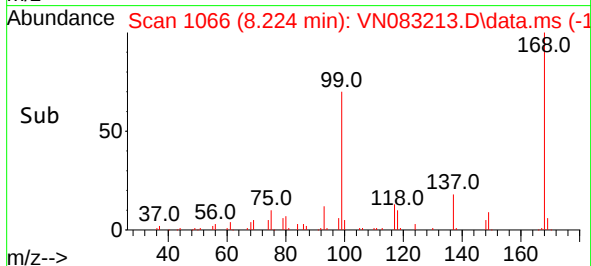


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

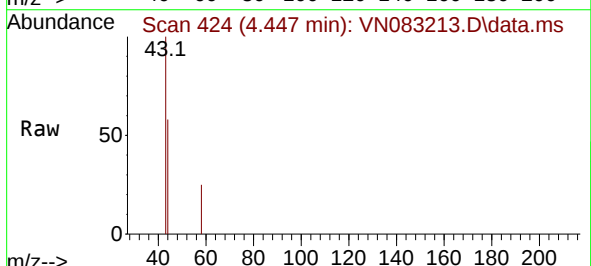
Instrument :  
MSVOA\_N  
ClientSampleId :



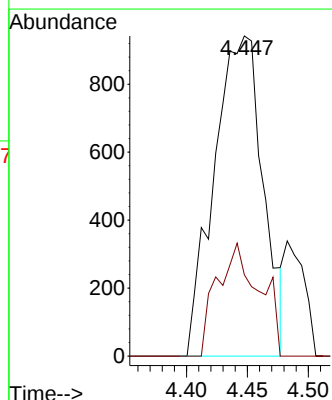
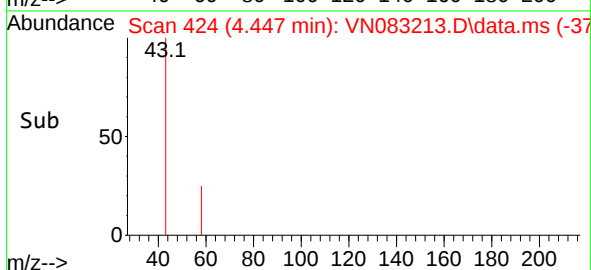
Tgt Ion:168 Resp: 140723  
Ion Ratio Lower Upper  
168 100  
99 70.3 48.2 72.4

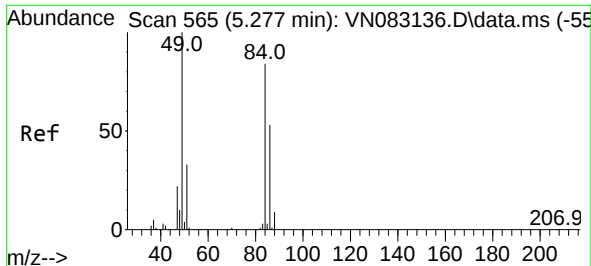


#16  
Acetone  
Concen: 3.362 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.018 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22



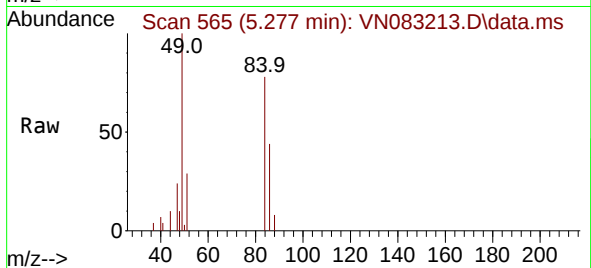
Tgt Ion: 43 Resp: 2635  
Ion Ratio Lower Upper  
43 100  
58 25.4 21.8 32.6



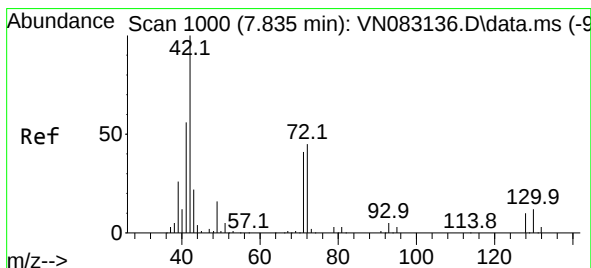
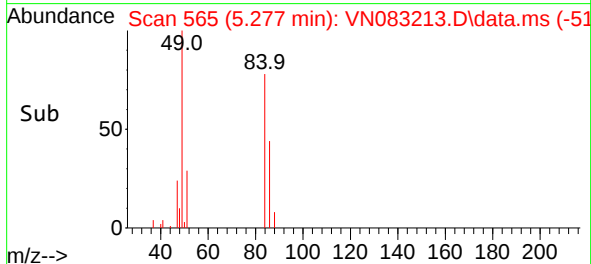
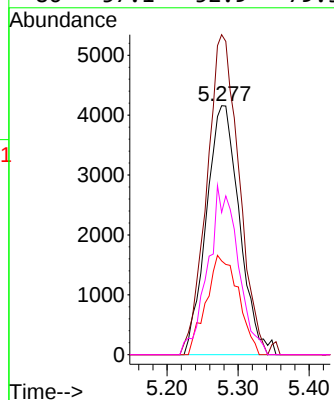


#20  
Methylene Chloride  
Concen: 7.465 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

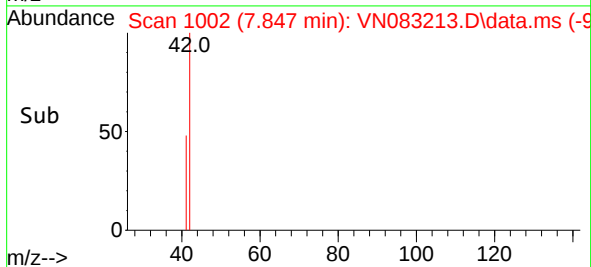
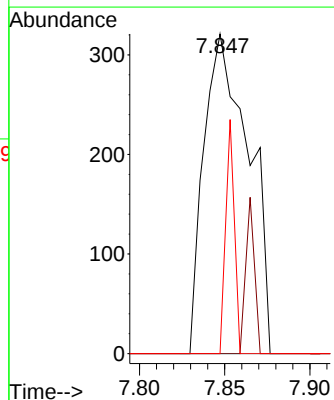
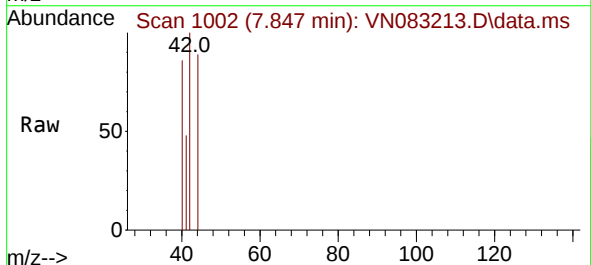


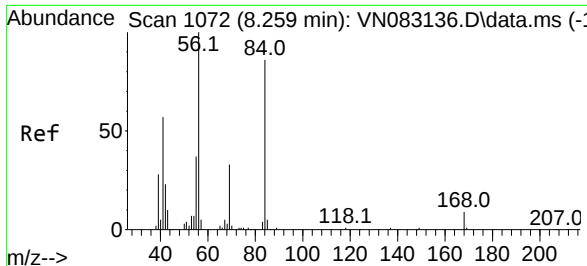
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13465 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 128.5 | 119.6 | 179.4 |
| 51       | 37.7  | 34.8  | 52.2  |
| 86       | 57.1  | 52.9  | 79.3  |



#29  
Tetrahydrofuran  
Concen: 0.752 ug/l  
RT: 7.847 min Scan# 1002  
Delta R.T. 0.012 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

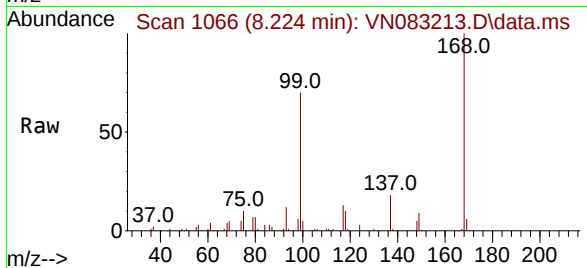
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 585   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 9.4   | 30.0  | 45.0# |
| 71       | 14.2  | 28.3  | 42.5# |



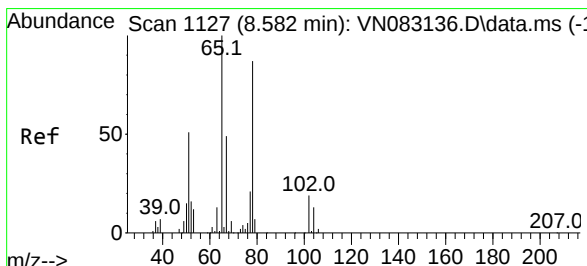
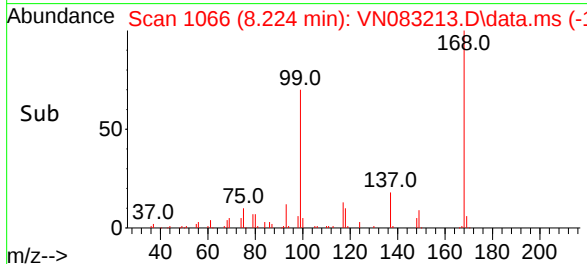
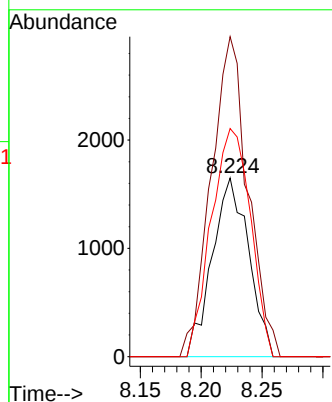


#31  
Cyclohexane  
Concen: 1.154 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

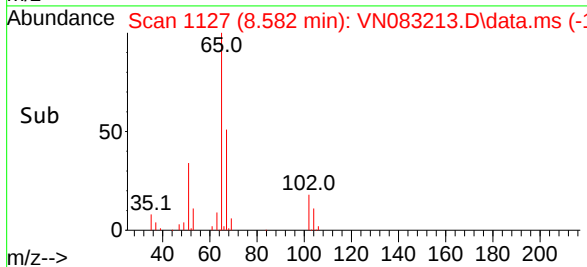
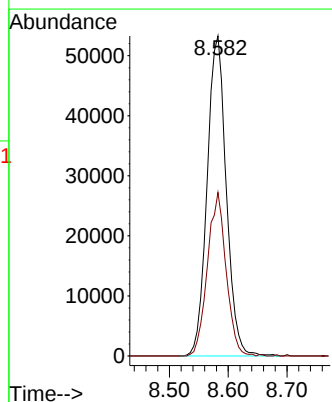
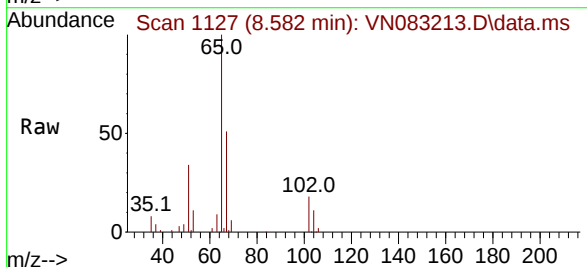


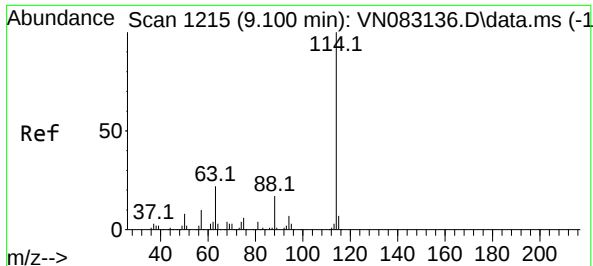
Tgt Ion: 56 Resp: 3425  
Ion Ratio Lower Upper  
56 100  
69 179.1 24.5 36.7#  
84 127.7 66.0 99.0#



#33  
1,2-Dichloroethane-d4  
Concen: 60.033 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

Tgt Ion: 65 Resp: 120249  
Ion Ratio Lower Upper  
65 100  
67 49.7 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: VN083213.D

Acq: 10 Aug 2024 17:22

Instrument :

MSVOA\_N

ClientSampleId :

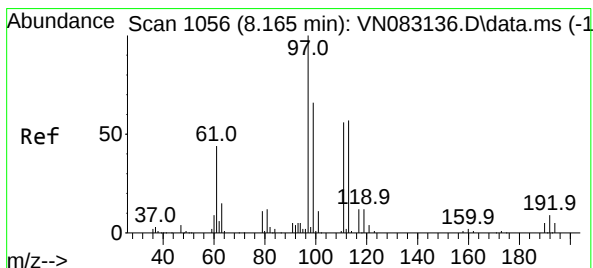
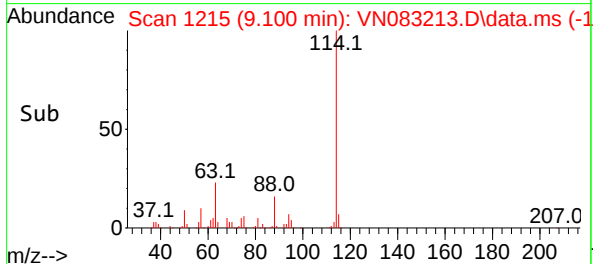
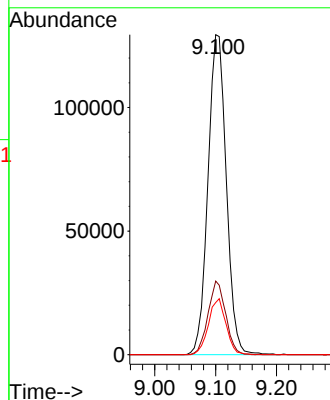
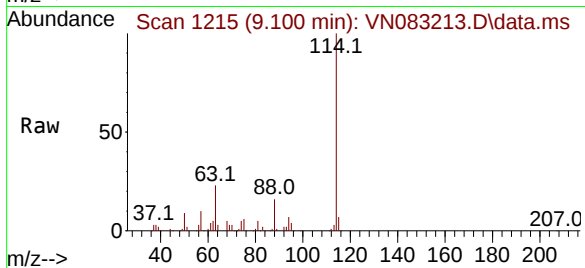
Tgt Ion:114 Resp: 270671

Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.6

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 55.720 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083213.D

Acq: 10 Aug 2024 17:22

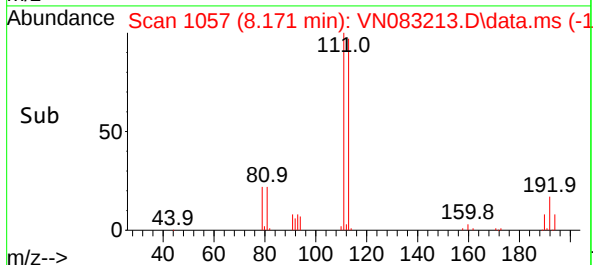
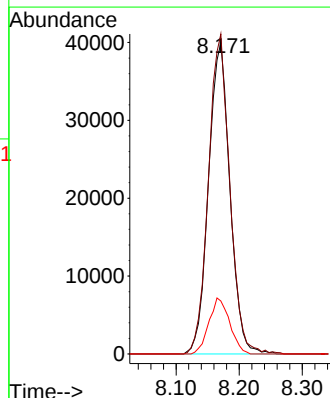
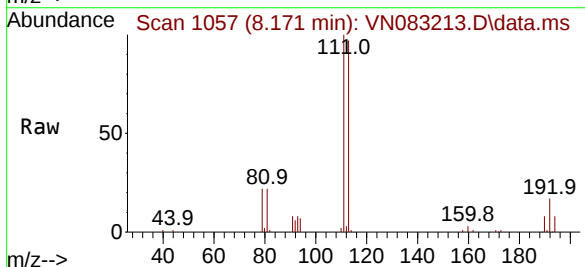
Tgt Ion:113 Resp: 94137

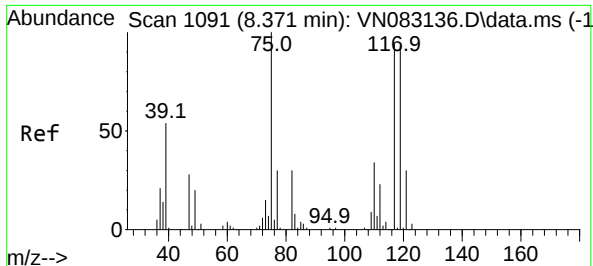
Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 17.4 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083213.D

Acq: 10 Aug 2024 17:22

Instrument :

MSVOA\_N

ClientSampleId :

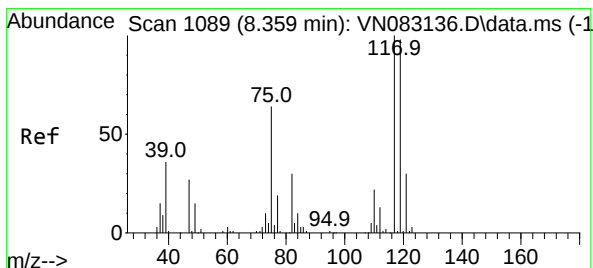
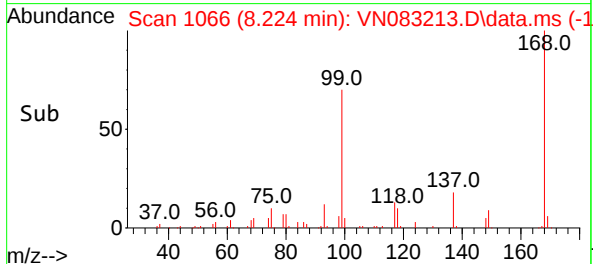
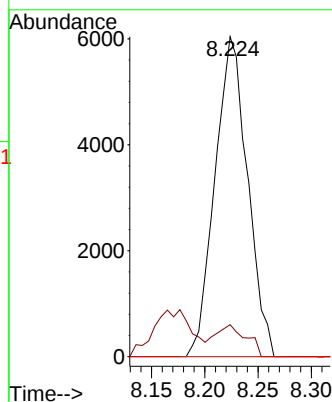
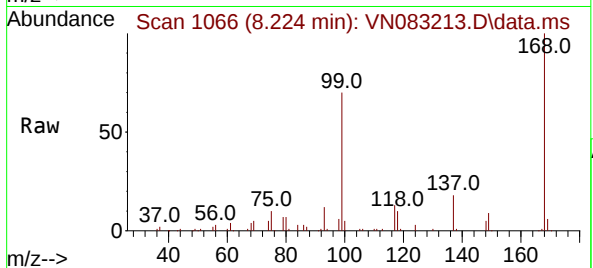
Tgt Ion: 75 Resp: 12840

Ion Ratio Lower Upper

75 100

110 9.6 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.791 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083213.D

Acq: 10 Aug 2024 17:22

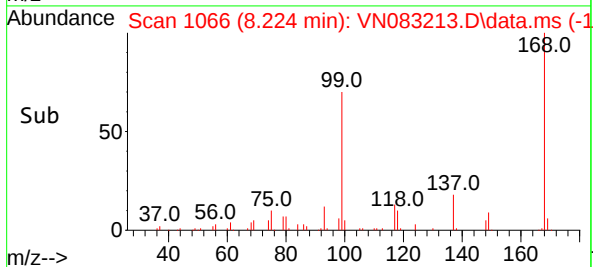
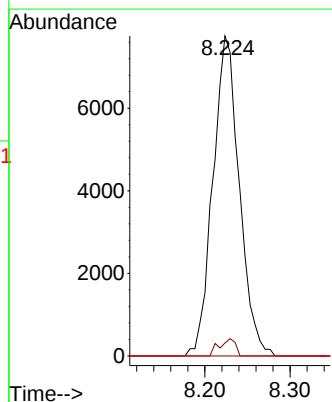
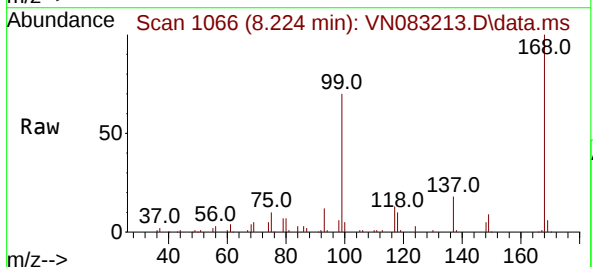
Tgt Ion: 117 Resp: 16669

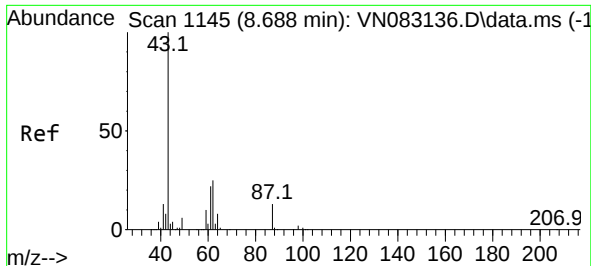
Ion Ratio Lower Upper

117 100

119 4.0 74.9 112.3#

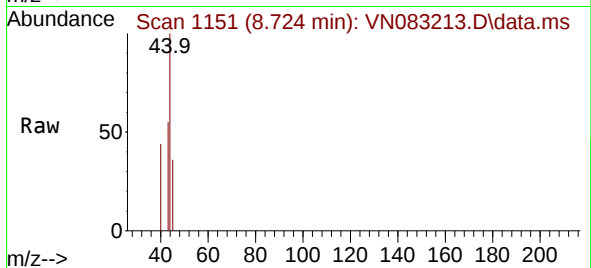
121 0.0 24.3 36.5#



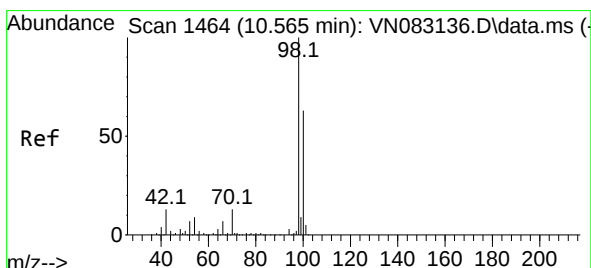
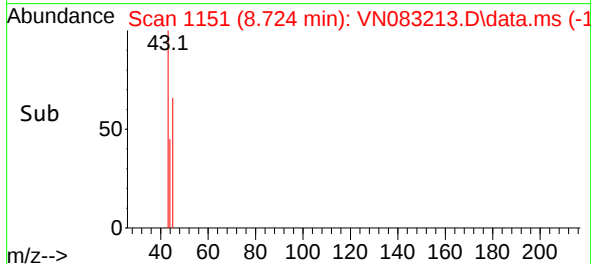
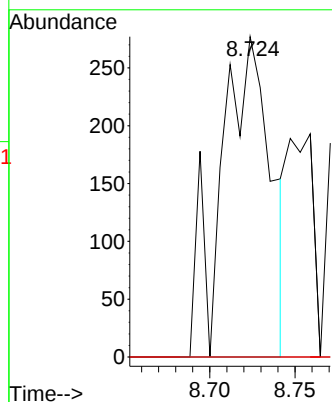


#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.724 min Scan# 1145  
Delta R.T. 0.036 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

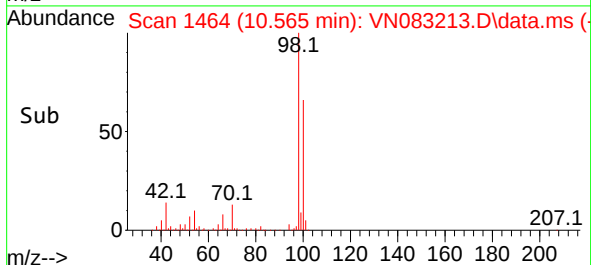
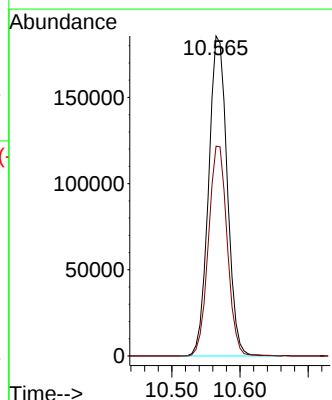
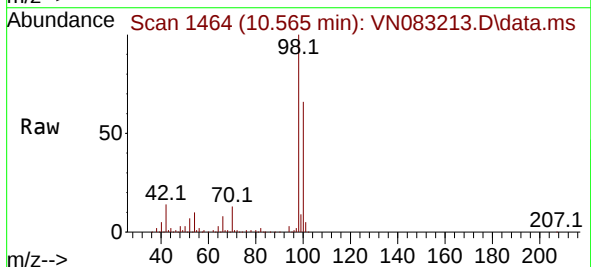


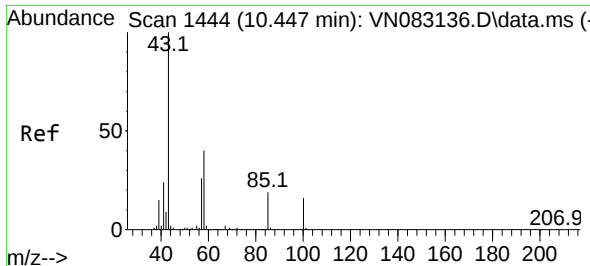
Tgt Ion: 43 Resp: 565  
Ion Ratio Lower Upper  
43 100  
61 0.0 17.8 26.6#  
87 0.0 8.2 12.2#



#50  
Toluene-d8  
Concen: 55.956 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

Tgt Ion: 98 Resp: 352640  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.5 77.3

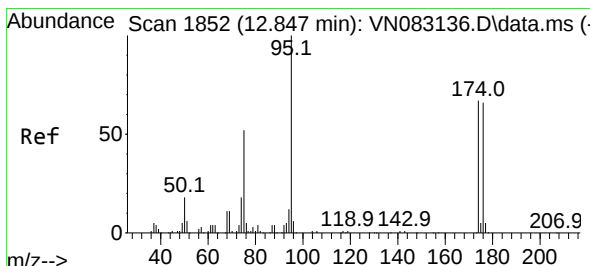
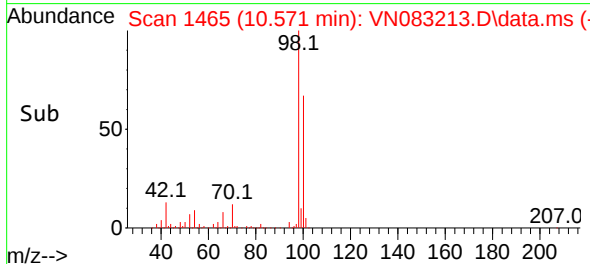
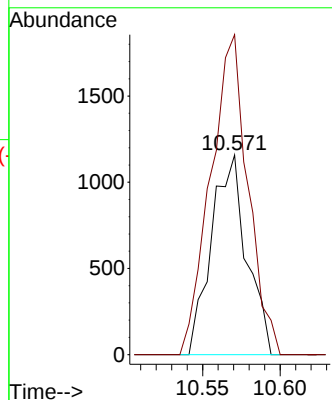
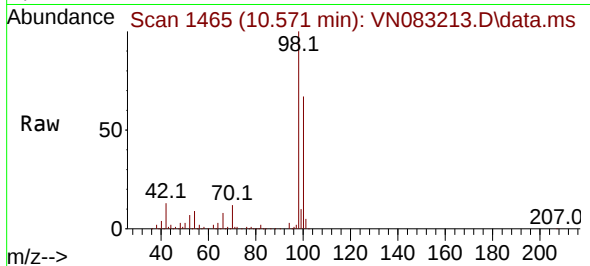




#51  
4-Methyl-2-Pentanone  
Concen: 0.677 ug/l  
RT: 10.571 min Scan# 1444  
Delta R.T. 0.124 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

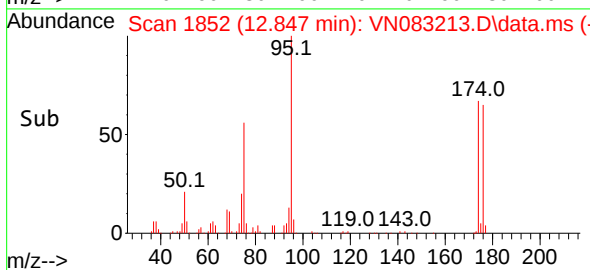
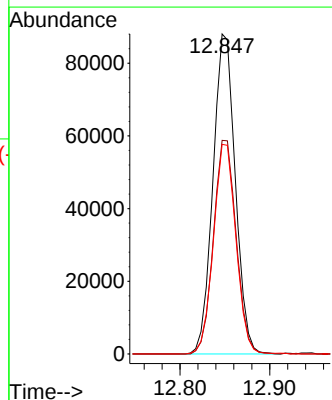
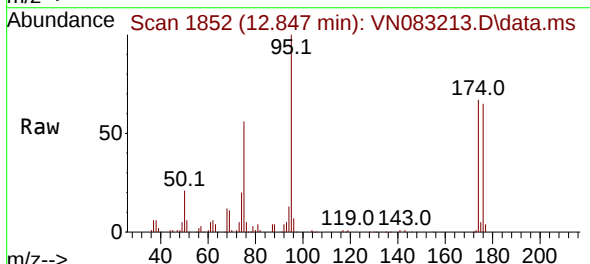
Instrument :  
MSVOA\_N  
ClientSampleId :

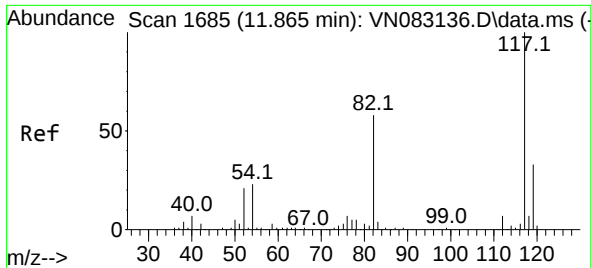
Tgt Ion: 43 Resp: 1831  
Ion Ratio Lower Upper  
43 100  
58 170.0 28.2 42.4#



#62  
4-Bromofluorobenzene  
Concen: 61.986 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

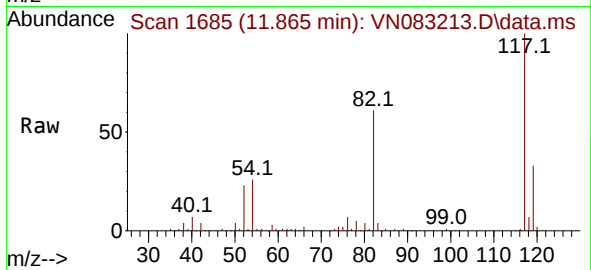
Tgt Ion: 95 Resp: 152295  
Ion Ratio Lower Upper  
95 100  
174 67.8 0.0 159.2  
176 66.0 0.0 147.6



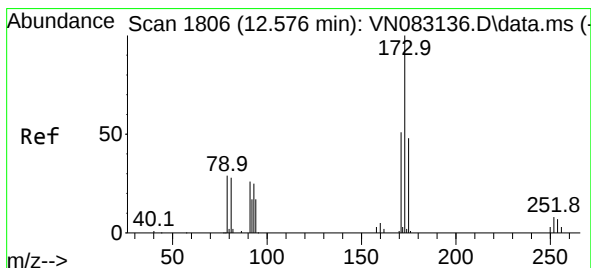
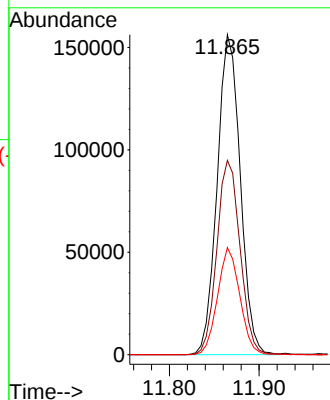
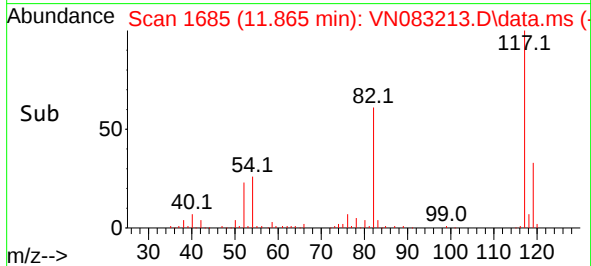


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

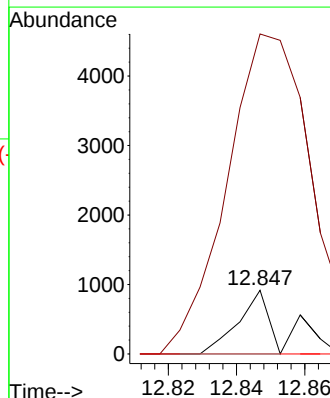
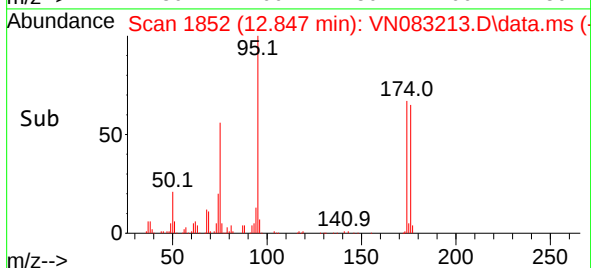
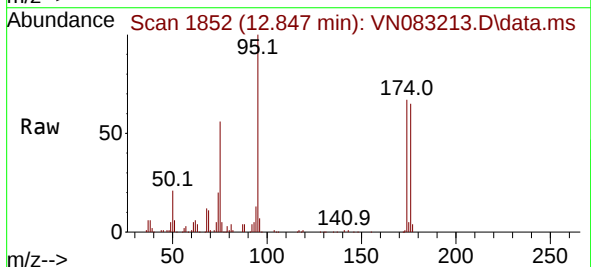


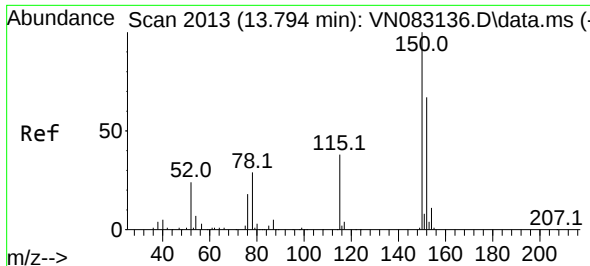
Tgt Ion:117 Resp: 279284  
Ion Ratio Lower Upper  
117 100  
82 60.7 47.5 71.3  
119 33.5 25.6 38.4



#71  
Bromoform  
Concen: 0.342 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.271 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

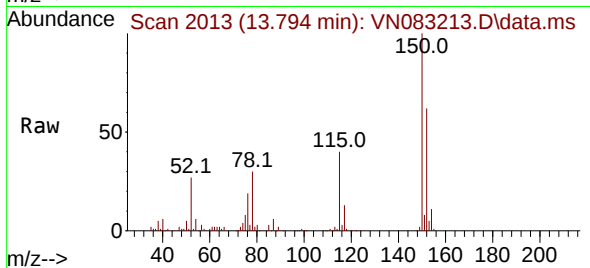
Tgt Ion:173 Resp: 564  
Ion Ratio Lower Upper  
173 100  
175 992.2 24.0 72.0#  
254 0.0 0.0 0.0



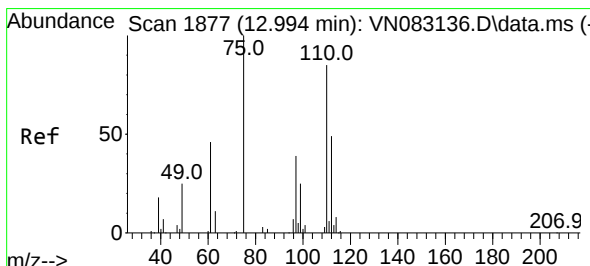
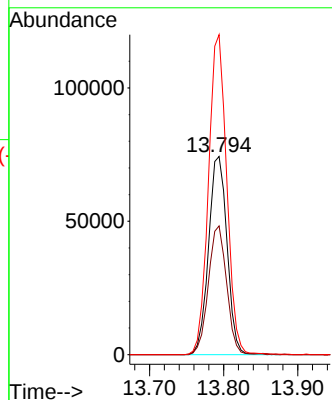
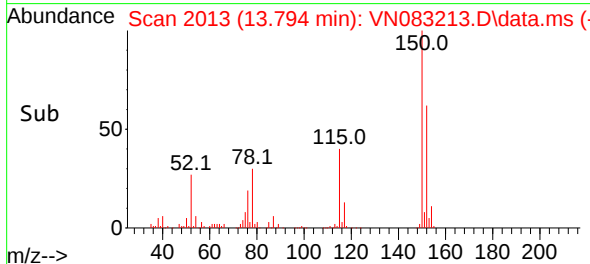


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. -0.000 min  
 Lab File: VN083213.D  
 Acq: 10 Aug 2024 17:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :

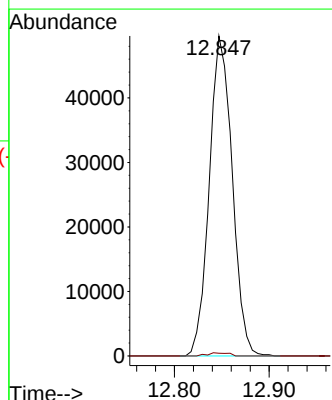
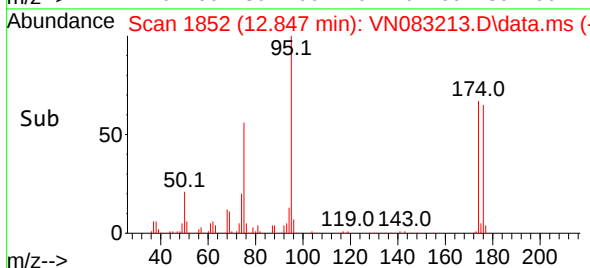
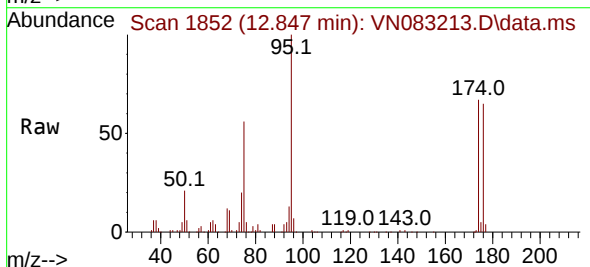


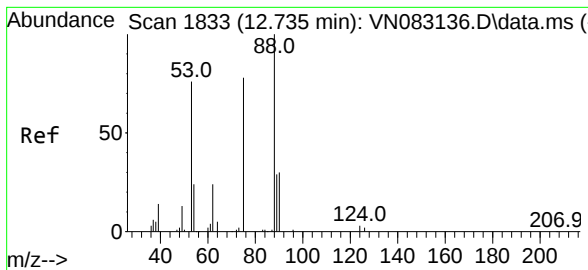
Tgt Ion:152 Resp: 129083  
 Ion Ratio Lower Upper  
 152 100  
 115 64.2 30.6 91.6  
 150 158.9 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 29.502 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. -0.147 min  
 Lab File: VN083213.D  
 Acq: 10 Aug 2024 17:22

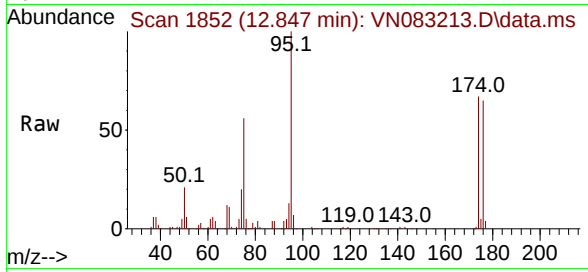
Tgt Ion: 75 Resp: 83581  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 110.9 332.6#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.174 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN083213.D  
Acq: 10 Aug 2024 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 75 Resp: 83581  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.4 132.6#  
89 0.0 36.3 54.5#

