

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081524\  
 Data File : VN083328.D  
 Acq On : 15 Aug 2024 13:59  
 Operator : JC\MD  
 Sample : P3622-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 16 01:50:57 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

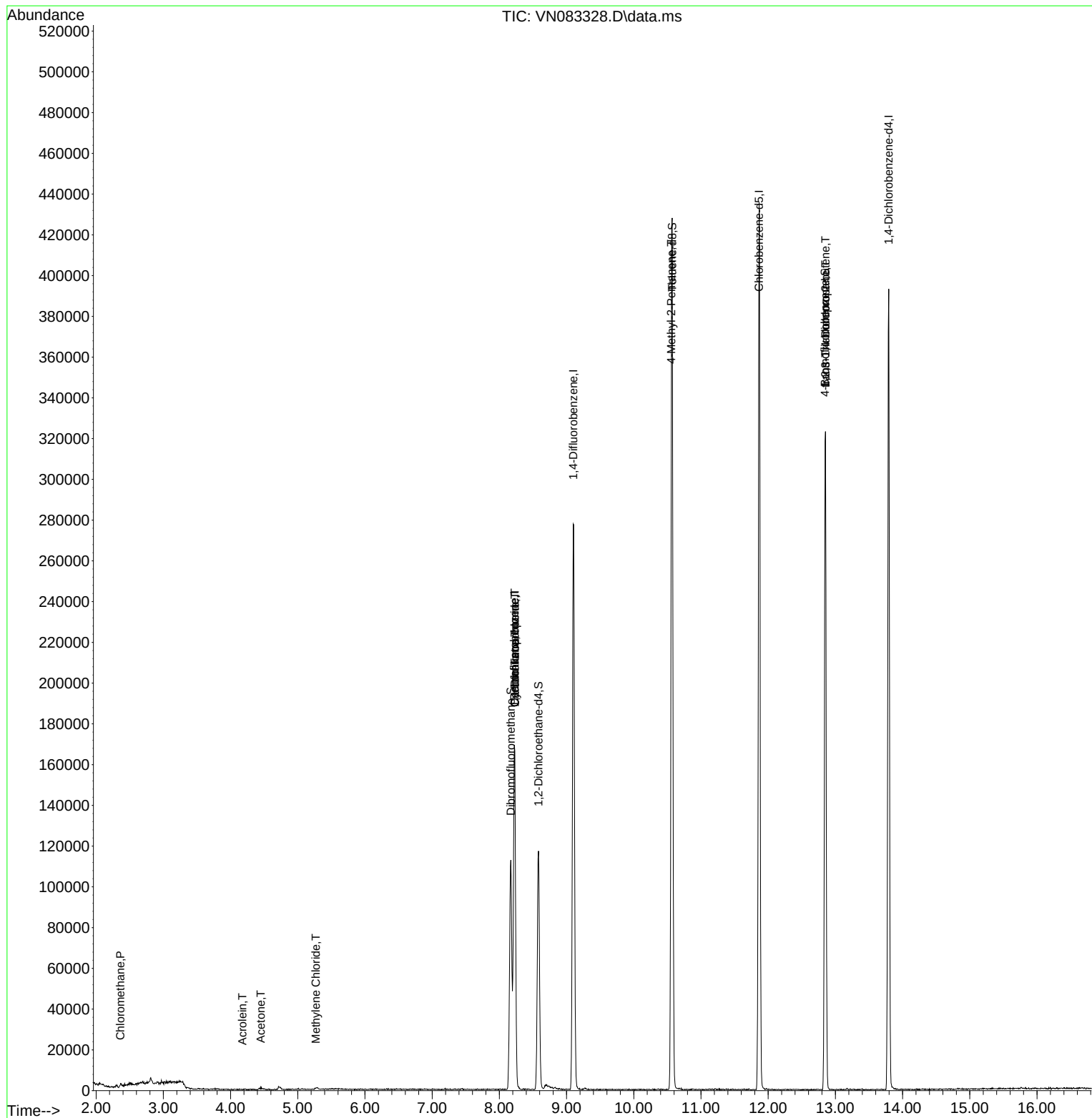
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.223  | 168   | 117380   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 237490   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.864 | 117   | 242732   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 102910   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 102220   | 61.181    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 122.360% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 81097    | 54.708    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 109.420% |          |
| 50) Toluene-d8                | 10.570 | 98    | 299653   | 54.191    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 108.380% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 118251   | 54.854    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | = 109.700% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.359  | 50    | 1030     | 0.756     | ug/l       | 90       |
| 13) Acrolein                  | 4.177  | 56    | 65       | 0.287     | ug/l #     | 14       |
| 16) Acetone                   | 4.447  | 43    | 1649     | 2.522     | ug/l       | 95       |
| 20) Methylene Chloride        | 5.271  | 84    | 428      | 0.284     | ug/l #     | 42       |
| 31) Cyclohexane               | 8.229  | 56    | 2751     | 1.111     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.229  | 75    | 10766    | 4.801     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 8.229  | 117   | 13515    | 5.351     | ug/l #     | 17       |
| 43) Isopropyl Acetate         | 8.712  | 43    | 2515     | Below Cal | #          | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.559 | 43    | 1502     | 0.633     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 65332    | 28.926    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 65332    | 62.920    | ug/l #     | 6        |
| -----                         |        |       |          |           |            |          |

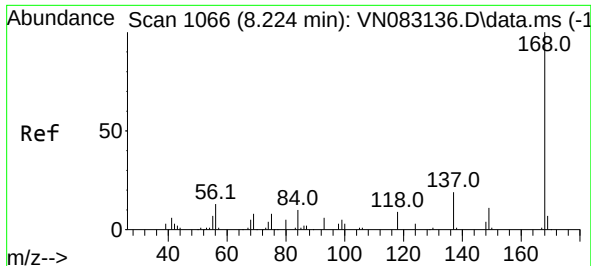
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
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QLast Update : Thu Aug 08 06:30:41 2024  
Response via : Initial Calibration

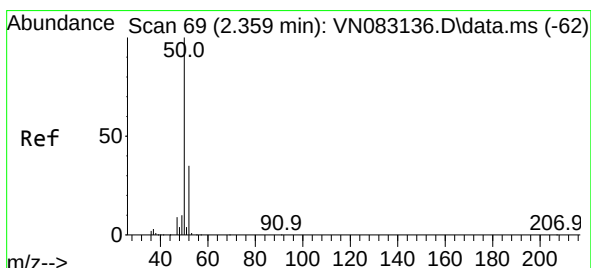
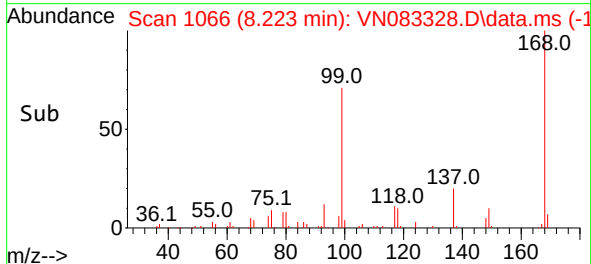
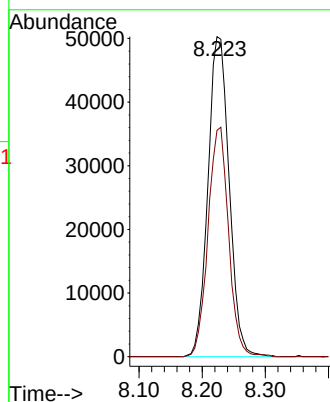
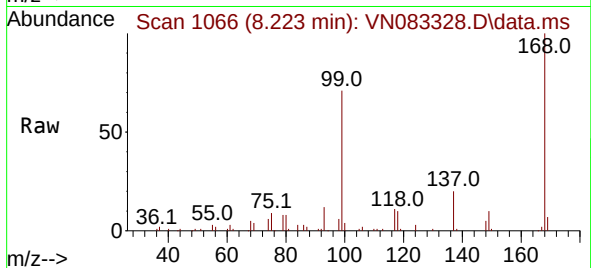




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.223 min Scan# 1066  
Delta R.T. -0.001 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

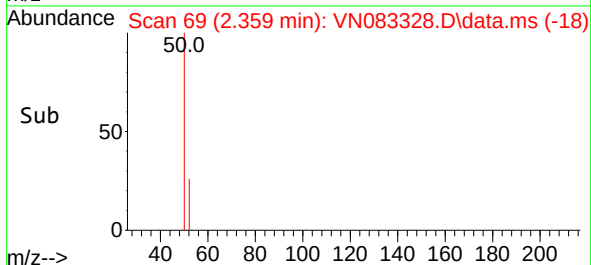
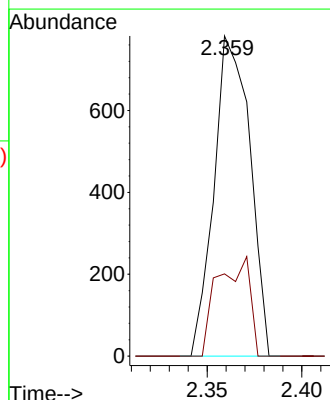
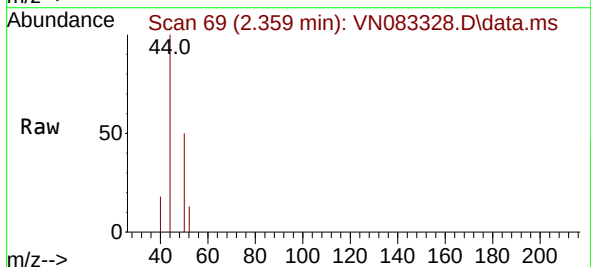
Instrument :  
MSVOA\_N  
ClientSampleId :

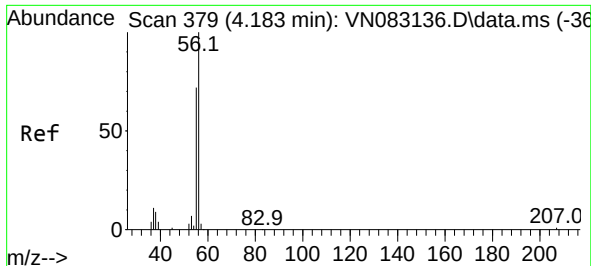
Tgt Ion:168 Resp: 117380  
Ion Ratio Lower Upper  
168 100  
99 70.8 48.2 72.4



#3  
Chloromethane  
Concen: 0.756 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

Tgt Ion: 50 Resp: 1030  
Ion Ratio Lower Upper  
50 100  
52 25.7 25.0 37.4

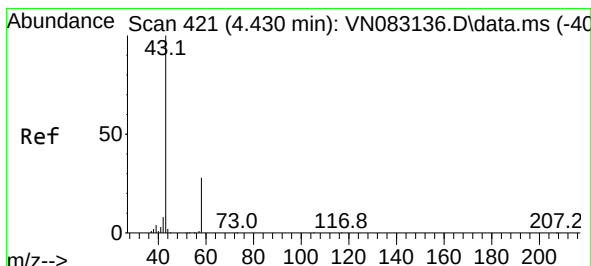
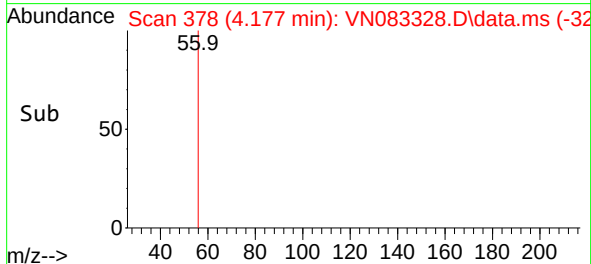
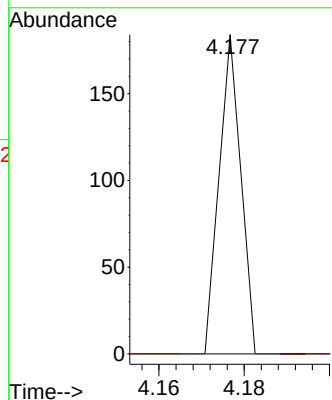
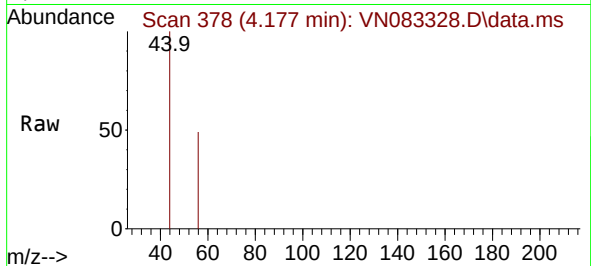




#13  
Acrolein  
Concen: 0.287 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

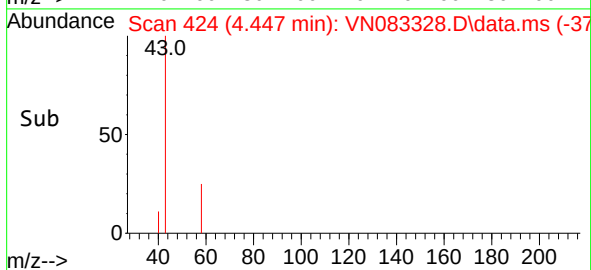
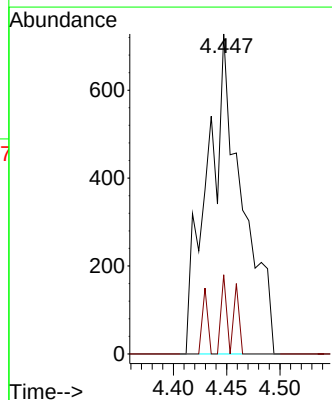
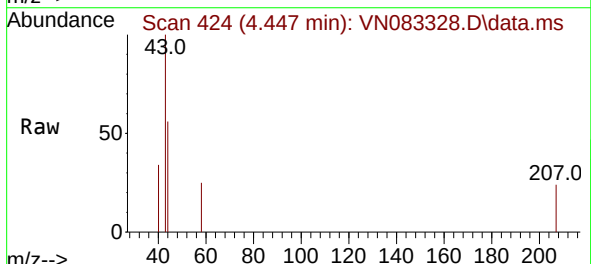
Instrument :  
MSVOA\_N  
ClientSampleId :

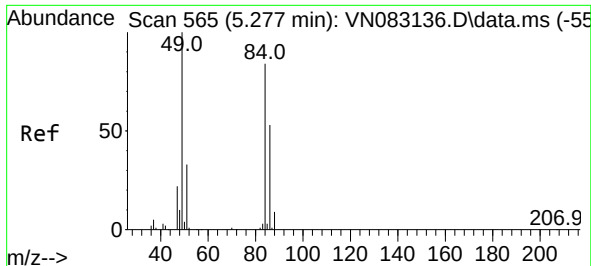
Tgt Ion: 56 Resp: 65  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#16  
Acetone  
Concen: 2.522 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.017 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

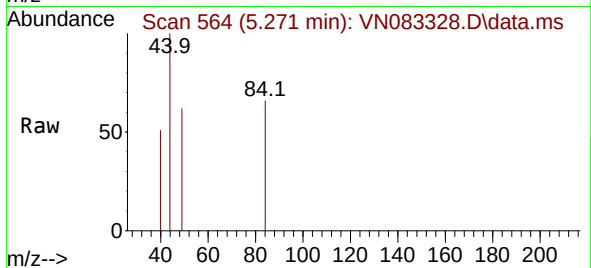
Tgt Ion: 43 Resp: 1649  
Ion Ratio Lower Upper  
43 100  
58 24.7 21.8 32.6



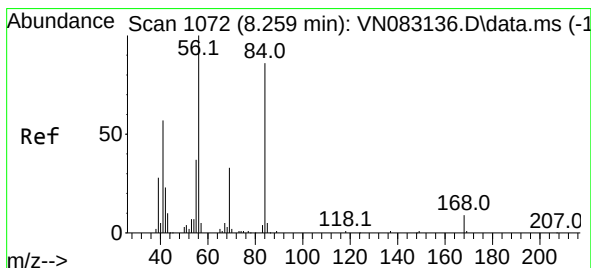
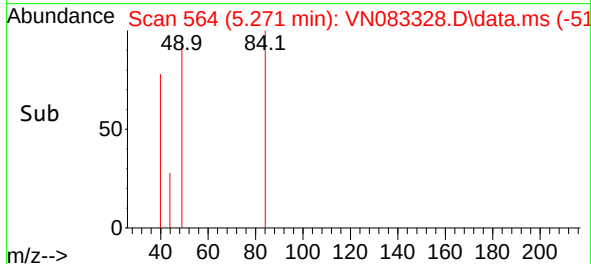
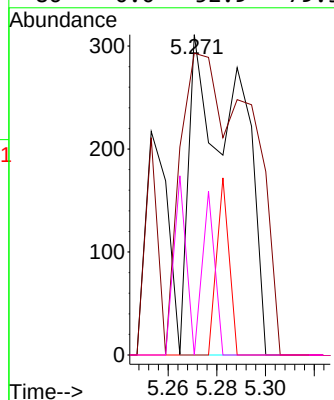


#20  
Methylene Chloride  
Concen: 0.284 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

Instrument :  
MSVOA\_N  
ClientSampleId :

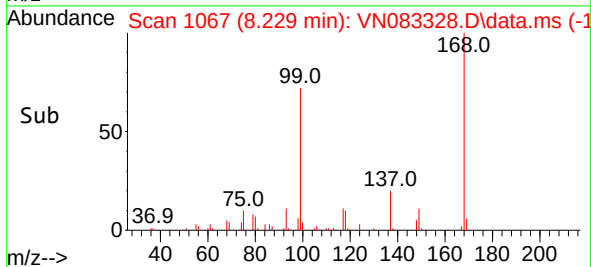
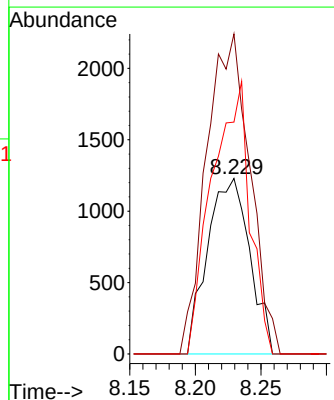
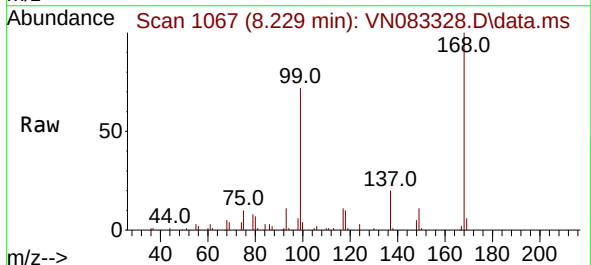


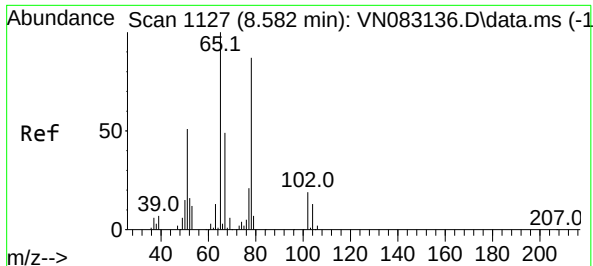
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 428    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 94.2  | 119.6 | 179.4# |
| 51       | 0.0   | 34.8  | 52.2#  |
| 86       | 0.0   | 52.9  | 79.3#  |



#31  
Cyclohexane  
Concen: 1.111 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.030 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 2751  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 182.3 | 24.5  | 36.7# |
| 84       | 132.1 | 66.0  | 99.0# |





#33

1,2-Dichloroethane-d4

Concen: 61.181 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083328.D

Acq: 15 Aug 2024 13:59

Instrument :

MSVOA\_N

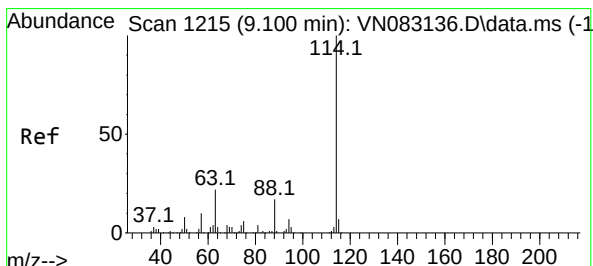
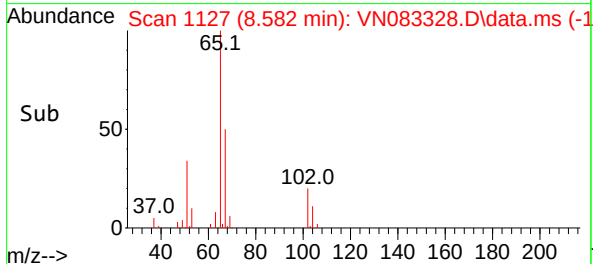
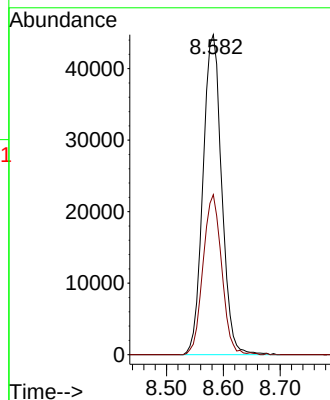
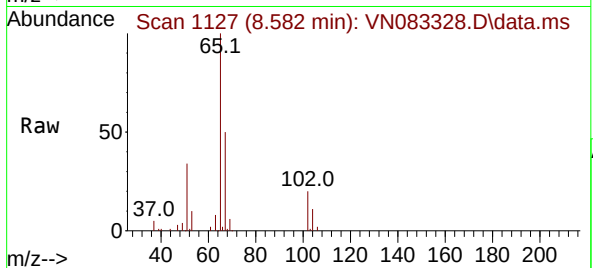
ClientSampleId :

Tgt Ion: 65 Resp: 102220

Ion Ratio Lower Upper

65 100

67 49.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083328.D

Acq: 15 Aug 2024 13:59

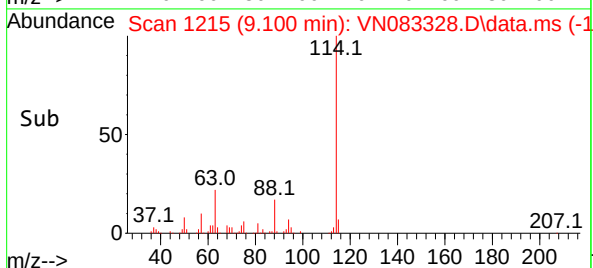
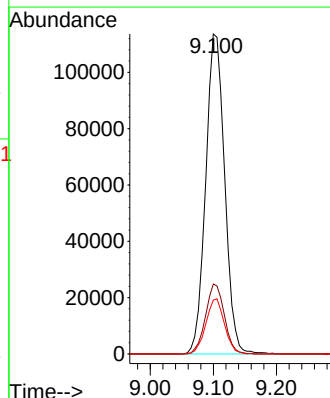
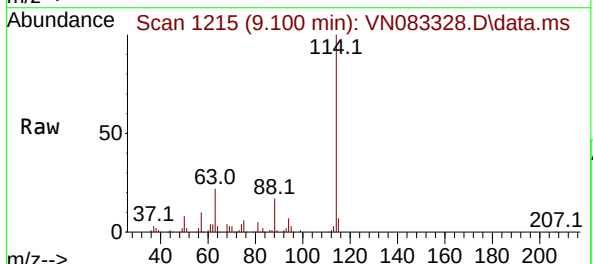
Tgt Ion: 114 Resp: 237490

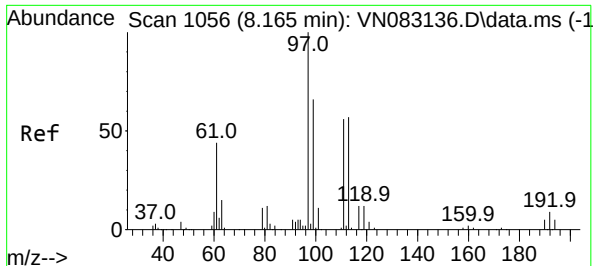
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.6

88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.708 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083328.D

Acq: 15 Aug 2024 13:59

Instrument :

MSVOA\_N

ClientSampleId :

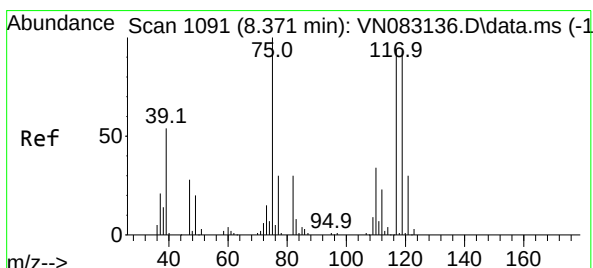
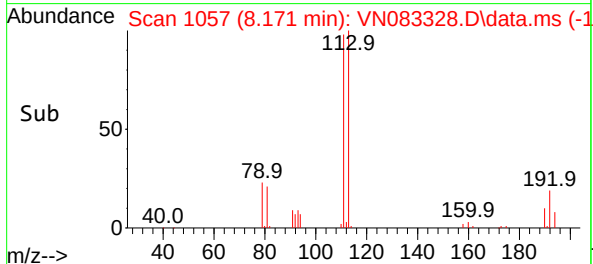
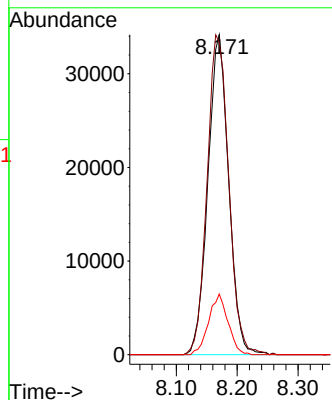
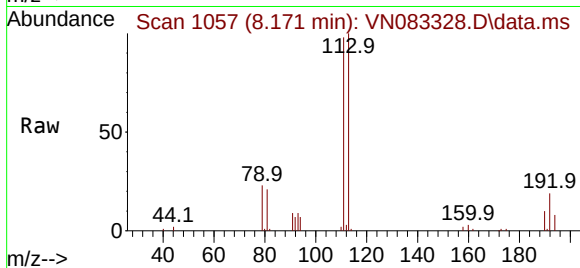
Tgt Ion:113 Resp: 81097

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

192 17.6 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.801 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083328.D

Acq: 15 Aug 2024 13:59

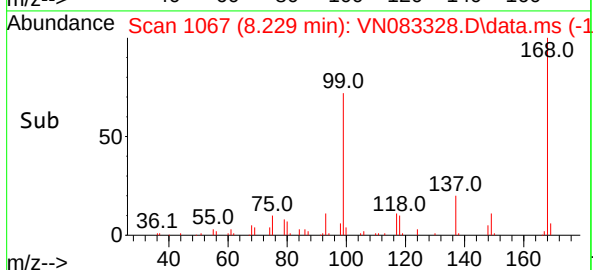
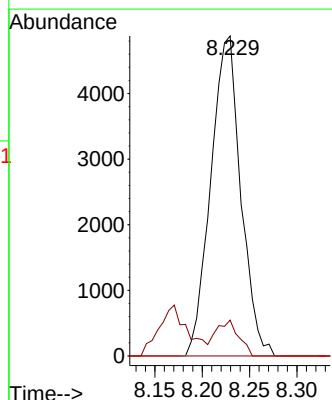
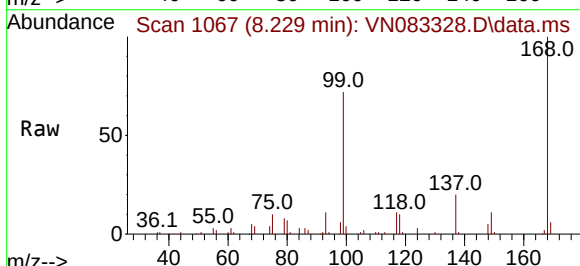
Tgt Ion: 75 Resp: 10766

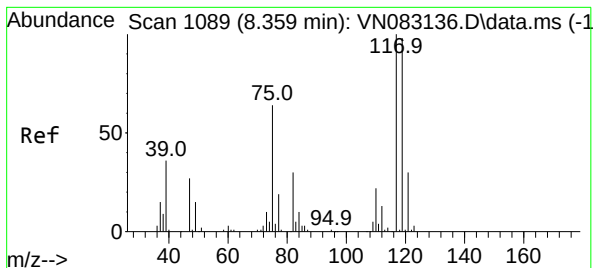
Ion Ratio Lower Upper

75 100

110 8.4 16.3 48.9#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.351 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.130 min

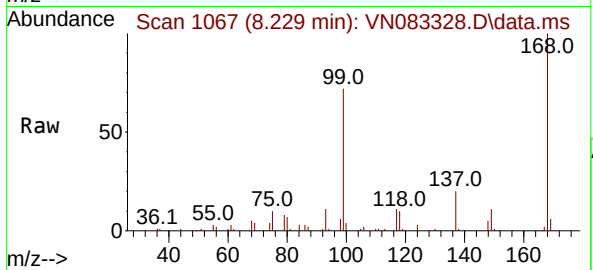
Lab File: VN083328.D

Acq: 15 Aug 2024 13:59

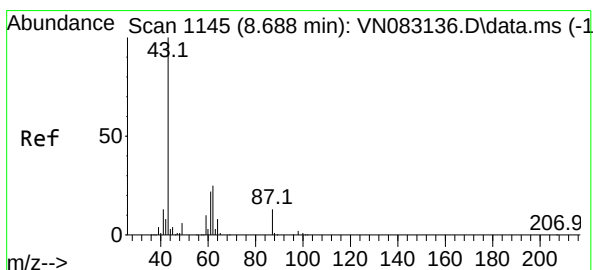
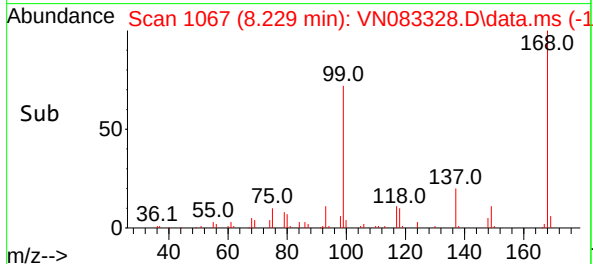
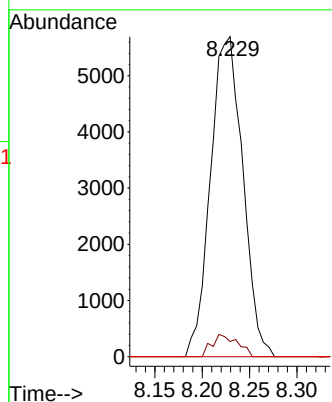
Instrument :

MSVOA\_N

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 13515  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.8   | 74.9  | 112.3# |
| 121      | 0.0   | 24.3  | 36.5#  |



#43

Isopropyl Acetate

Concen: Below Cal

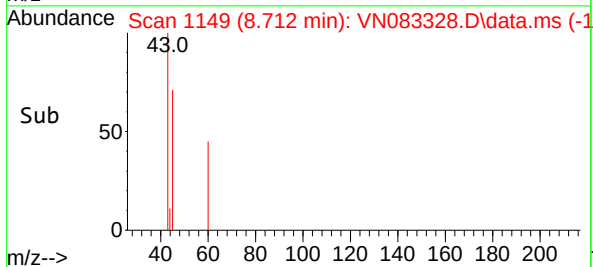
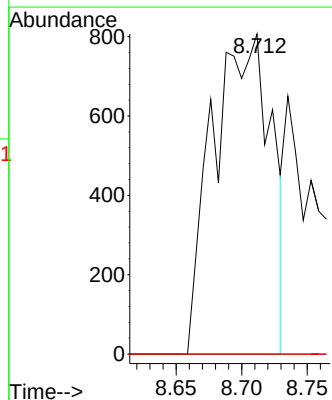
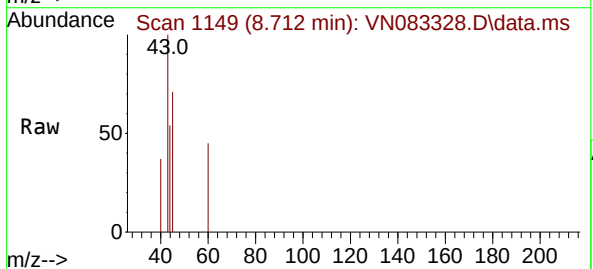
RT: 8.712 min Scan# 1149

Delta R.T. 0.024 min

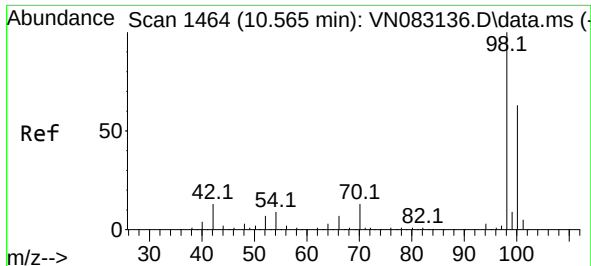
Lab File: VN083328.D

Acq: 15 Aug 2024 13:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2515  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 17.8  | 26.6# |
| 87       | 0.0   | 8.2   | 12.2# |



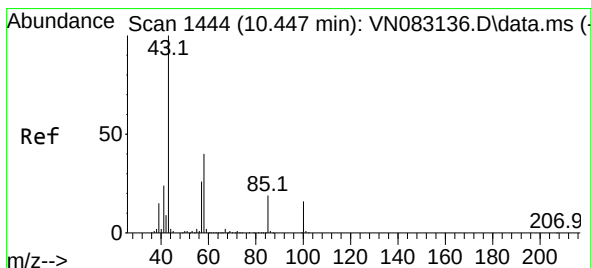
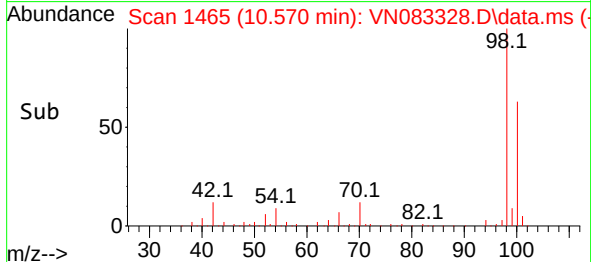
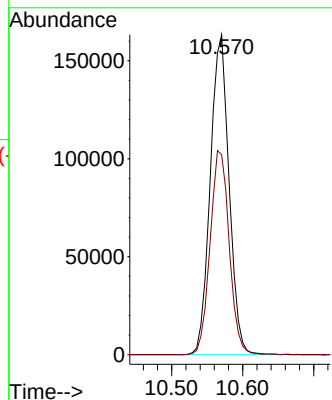
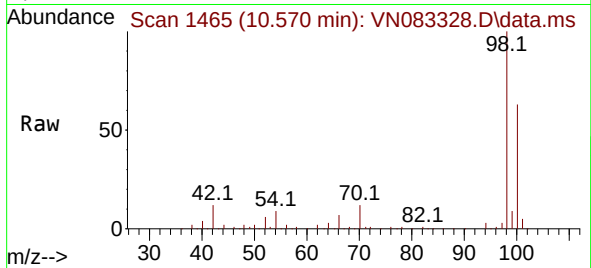




#50  
Toluene-d8  
Concen: 54.191 ug/l  
RT: 10.570 min Scan# 1464  
Delta R.T. 0.005 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

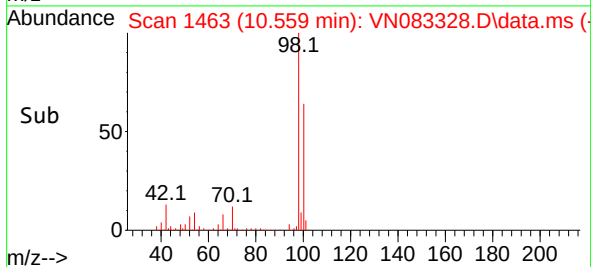
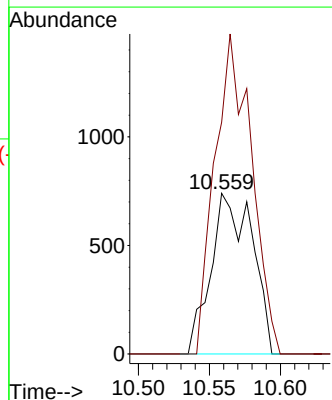
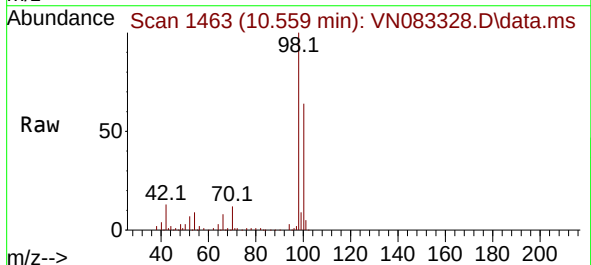
Instrument :  
MSVOA\_N  
ClientSampleId :

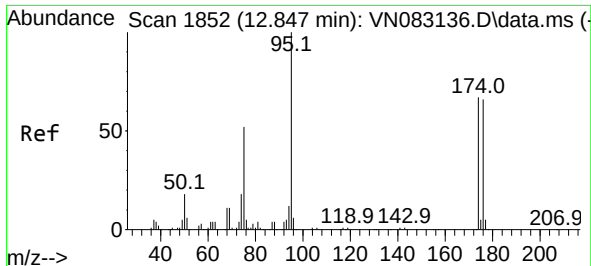
Tgt Ion: 98 Resp: 299653  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.633 ug/l  
RT: 10.559 min Scan# 1463  
Delta R.T. 0.112 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

Tgt Ion: 43 Resp: 1502  
Ion Ratio Lower Upper  
43 100  
58 176.2 28.2 42.4#

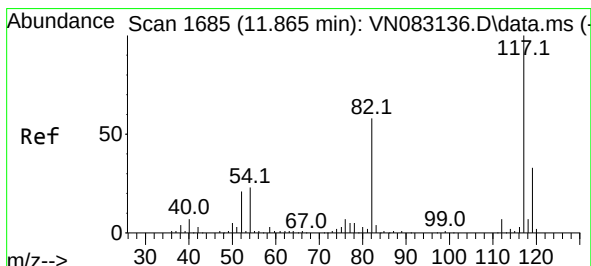
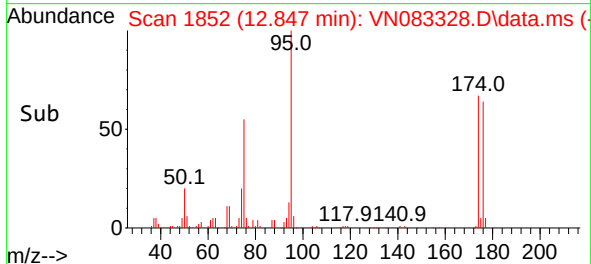
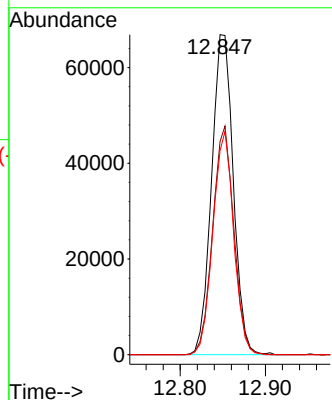
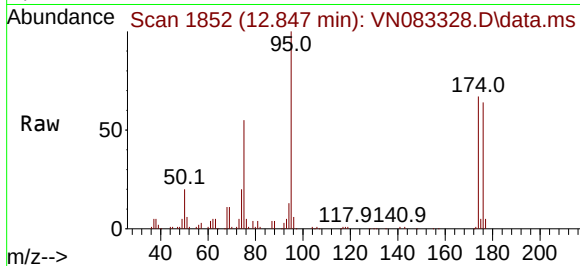




#62  
4-Bromofluorobenzene  
Concen: 54.854 ug/l  
RT: 12.847 min Scan# 118251  
Delta R.T. -0.000 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

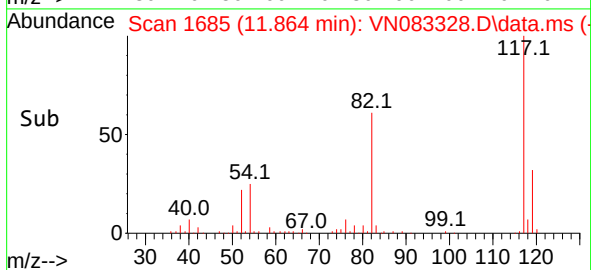
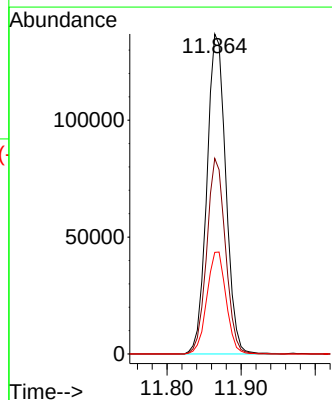
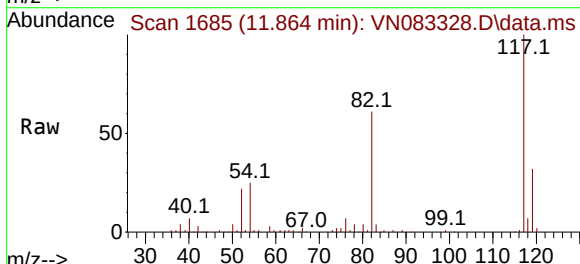
Instrument :  
MSVOA\_N  
ClientSampleId :

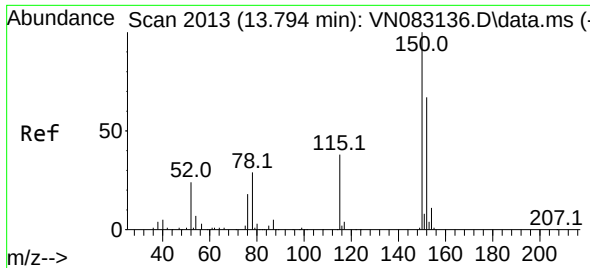
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 69.7  | 0.0   | 159.2 |
| 176     | 66.6  | 0.0   | 147.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.864 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

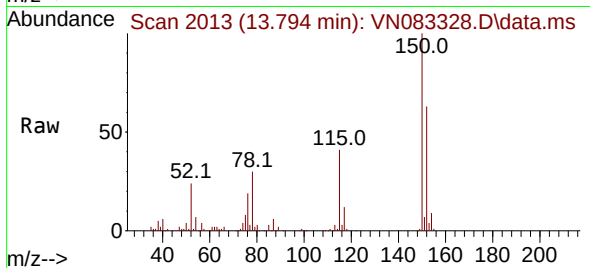
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 61.1  | 47.5  | 71.3  |
| 119     | 31.8  | 25.6  | 38.4  |



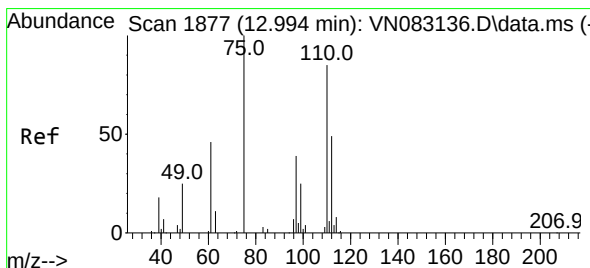
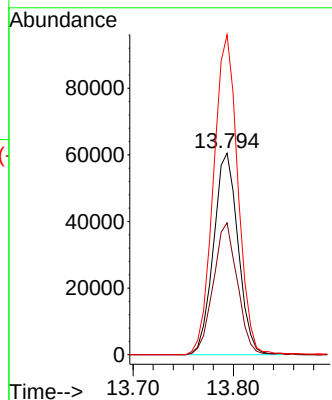
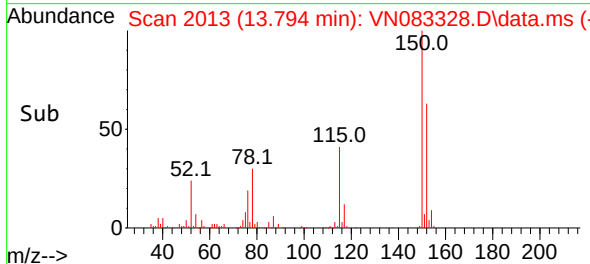


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

Instrument :  
MSVOA\_N  
ClientSampleId :

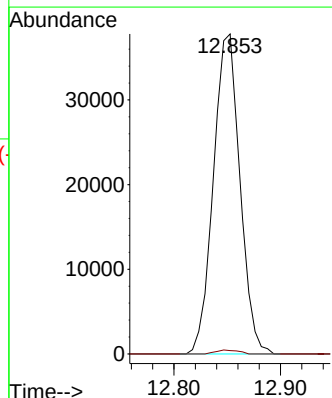
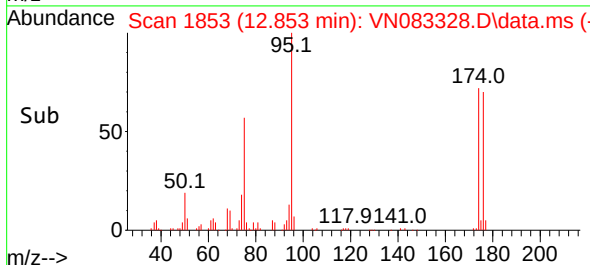
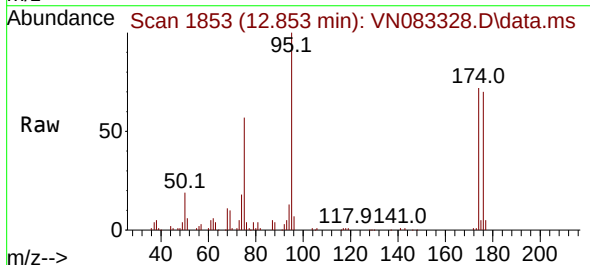


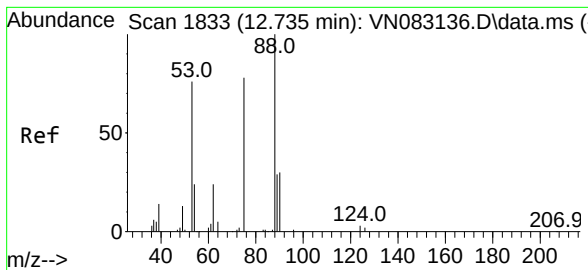
Tgt Ion:152 Resp: 102910  
Ion Ratio Lower Upper  
152 100  
115 64.3 30.6 91.6  
150 158.1 0.0 348.6



#76  
1,2,3-Trichloropropane  
Concen: 28.926 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN083328.D  
Acq: 15 Aug 2024 13:59

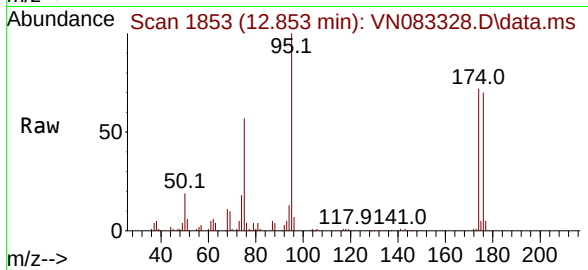
Tgt Ion: 75 Resp: 65332  
Ion Ratio Lower Upper  
75 100  
77 1.0 110.9 332.6#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 62.920 ug/l  
 RT: 12.853 min Scan# 11  
 Delta R.T. 0.117 min  
 Lab File: VN083328.D  
 Acq: 15 Aug 2024 13:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 75 Resp: 65332  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 88.4 132.6#  
 89 0.0 36.3 54.5#

