

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080924\  
 Data File : VN083193.D  
 Acq On : 09 Aug 2024 19:39  
 Operator : JC\MD  
 Sample : P3393-20DL 400X  
 Misc : 7.93g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 10 01:04:06 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

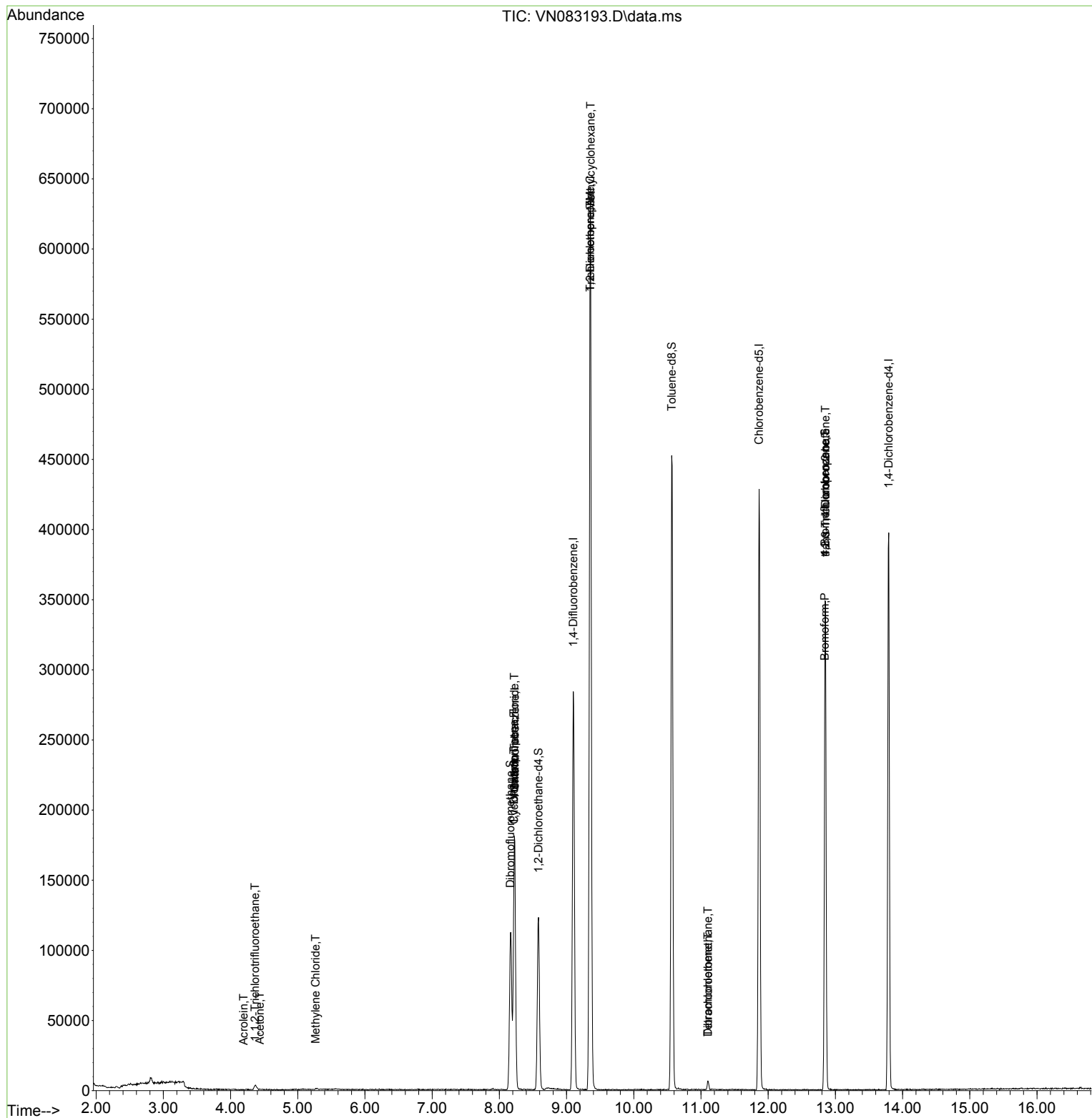
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 126501   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 238925   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 238732   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 104492   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 106037   | 58.890    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 117.780% |          |
| 35) Dibromofluoromethane      | 8.165  | 113   | 81960    | 54.958    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 109.920% |          |
| 50) Toluene-d8                | 10.565 | 98    | 312433   | 56.163    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 112.320% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 126349   | 58.258    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 64 - 133 | Recovery  | = 116.520% |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 4.365  | 101   | 2434     | 1.783     | ug/l #     | 31       |
| 13) Acrolein                  | 4.195  | 56    | 56       | 0.230     | ug/l #     | 14       |
| 16) Acetone                   | 4.436  | 43    | 207      | 0.294     | ug/l #     | 48       |
| 20) Methylene Chloride        | 5.265  | 84    | 615      | 0.379     | ug/l #     | 39       |
| 31) Cyclohexane               | 8.218  | 56    | 3305     | 1.239     | ug/l #     | 15       |
| 36) 1,1-Dichloropropene       | 8.218  | 75    | 11047    | 4.897     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 14455    | 5.689     | ug/l #     | 17       |
| 39) Methylcyclohexane         | 9.359  | 83    | 2811     | 1.014     | ug/l #     | 1        |
| 43) Isopropyl Acetate         | 8.706  | 43    | 671      | Below Cal | #          | 60       |
| 44) Trichloroethene           | 9.353  | 130   | 220366   | 137.760   | ug/l       | 95       |
| 45) 1,2-Dichloropropane       | 9.353  | 63    | 753      | 0.472     | ug/l #     | 1        |
| 60) Dibromochloromethane      | 11.106 | 129   | 1281     | 0.696     | ug/l #     | 10       |
| 64) Tetrachloroethene         | 11.106 | 164   | 1390     | 0.879     | ug/l #     | 76       |
| 71) Bromoform                 | 12.841 | 173   | 365      | 0.259     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 70027    | 30.535    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 70027    | 66.421    | ug/l #     | 6        |
| -----                         |        |       |          |           |            |          |

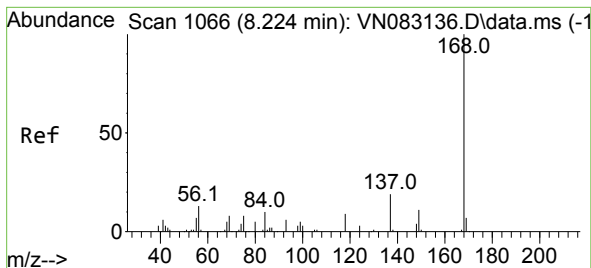
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

Instrument :

MSVOA\_N

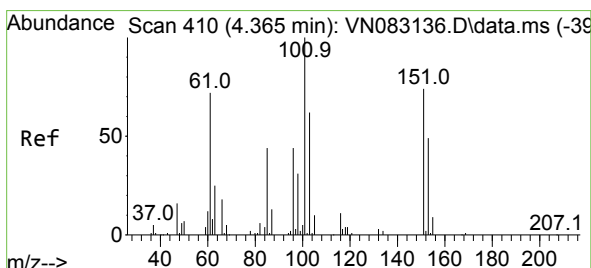
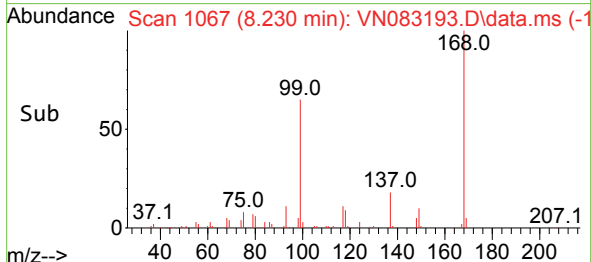
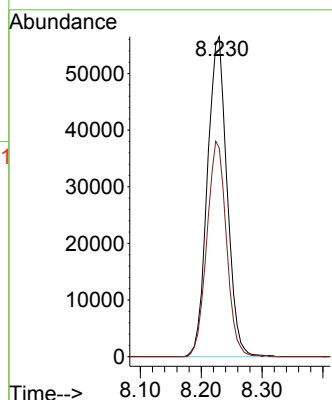
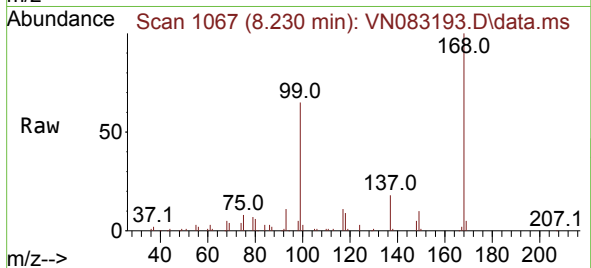
ClientSampleId :

Tgt Ion:168 Resp: 126501

Ion Ratio Lower Upper

168 100

99 65.2 48.2 72.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.783 ug/l

RT: 4.365 min Scan# 410

Delta R.T. 0.000 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

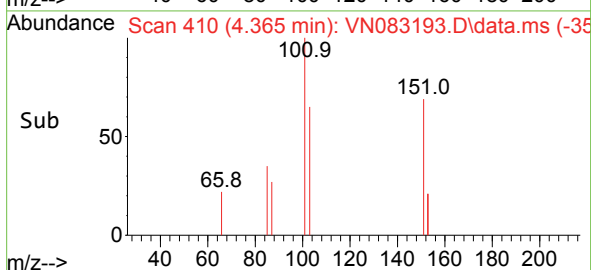
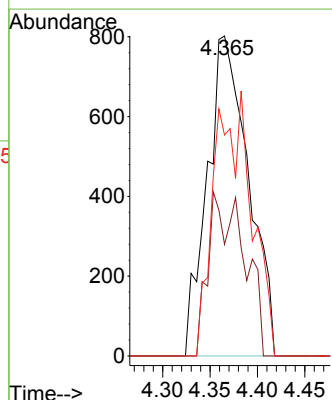
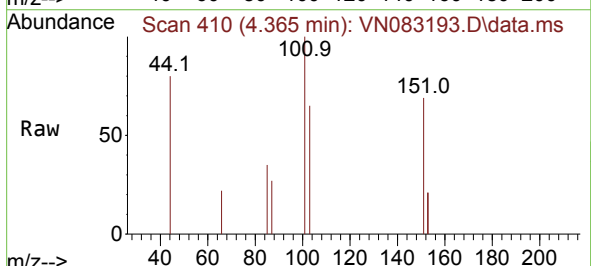
Tgt Ion:101 Resp: 2434

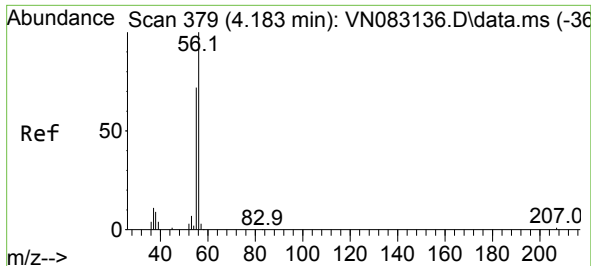
Ion Ratio Lower Upper

101 100

85 20.5 38.3 57.5#

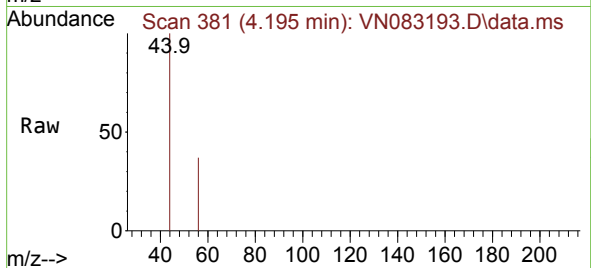
151 0.0 59.3 88.9#



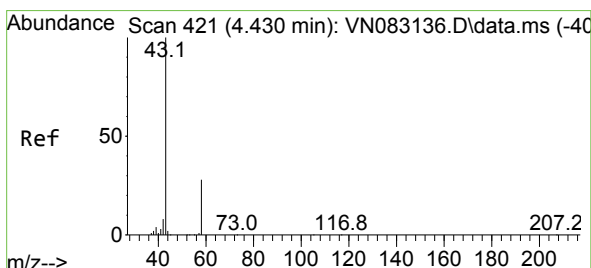
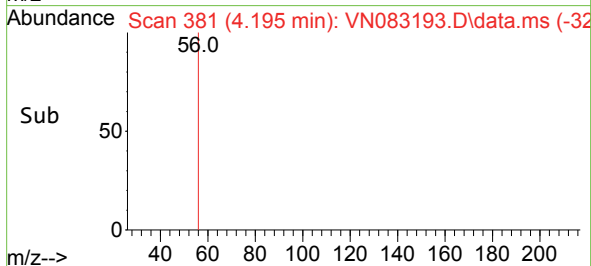
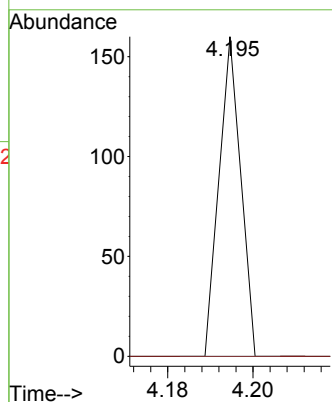


#13  
Acrolein  
Concen: 0.230 ug/l  
RT: 4.195 min Scan# 381  
Delta R.T. 0.012 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

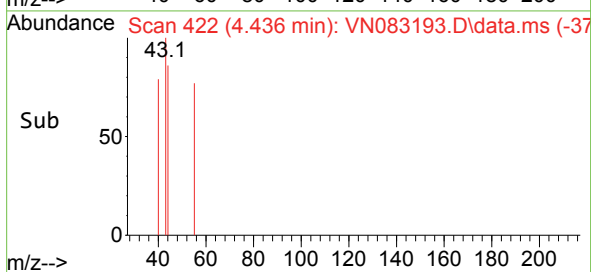
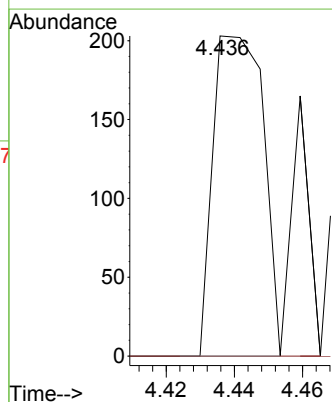
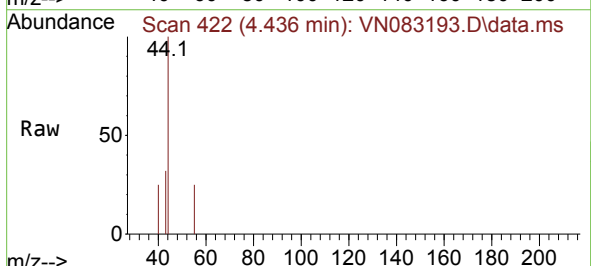


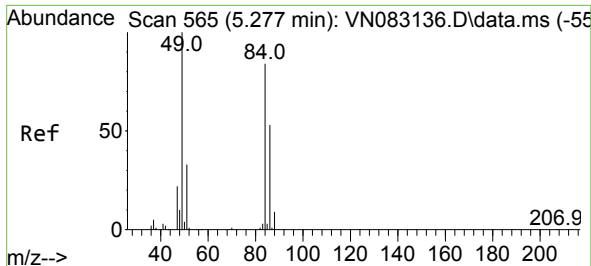
Tgt Ion: 56 Resp: 56  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#16  
Acetone  
Concen: 0.294 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

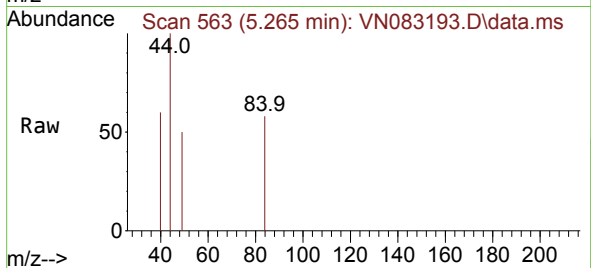
Tgt Ion: 43 Resp: 207  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.8 32.6#



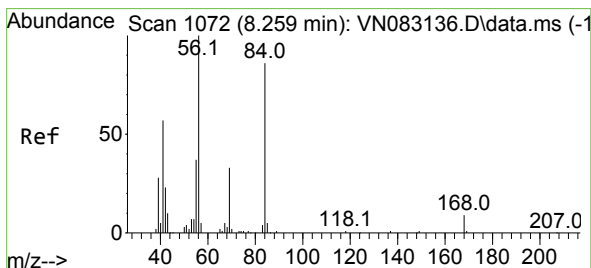
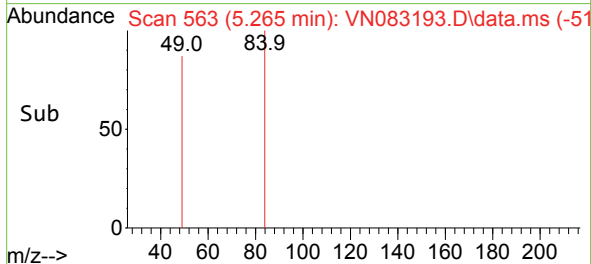
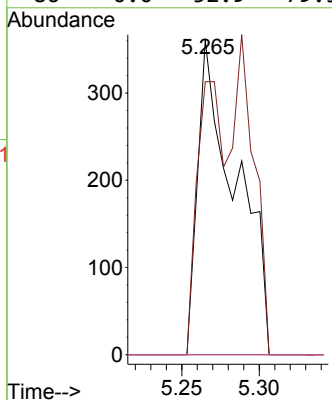


#20  
Methylene Chloride  
Concen: 0.379 ug/l  
RT: 5.265 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

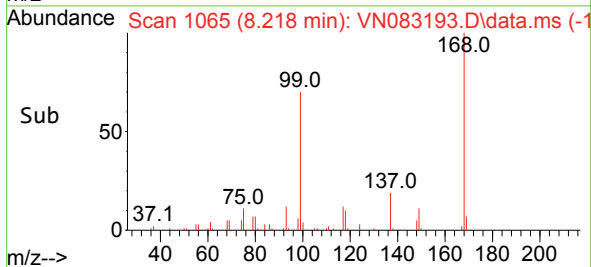
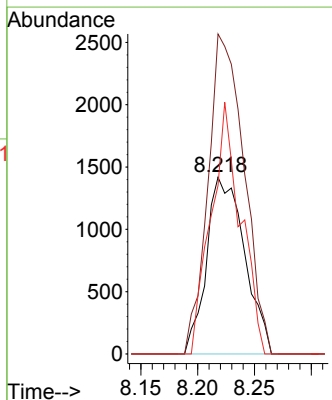
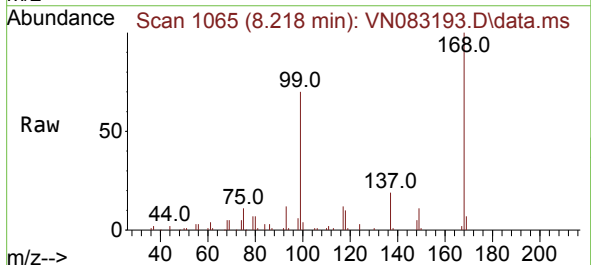


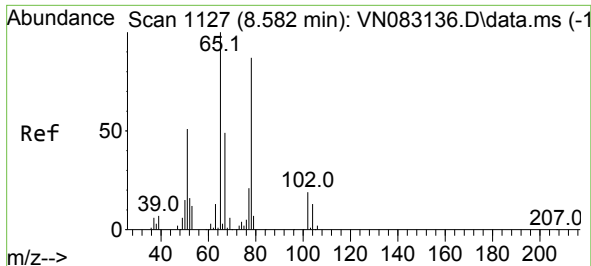
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 615    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 86.7  | 119.6 | 179.4# |
| 51       | 0.0   | 34.8  | 52.2#  |
| 86       | 0.0   | 52.9  | 79.3#  |



#31  
Cyclohexane  
Concen: 1.239 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.041 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 3305  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 181.0 | 24.5  | 36.7# |
| 84       | 95.3  | 66.0  | 99.0  |





#33

1,2-Dichloroethane-d4

Concen: 58.890 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

Instrument :

MSVOA\_N

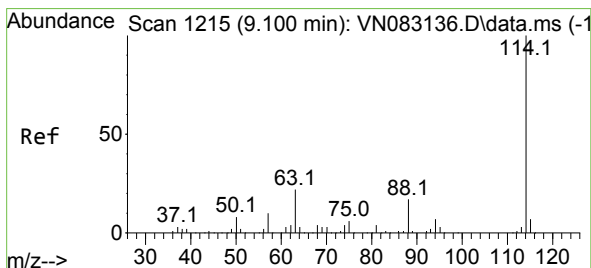
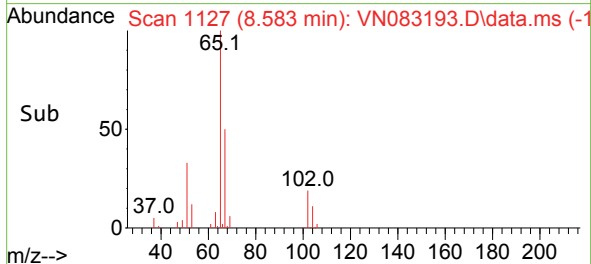
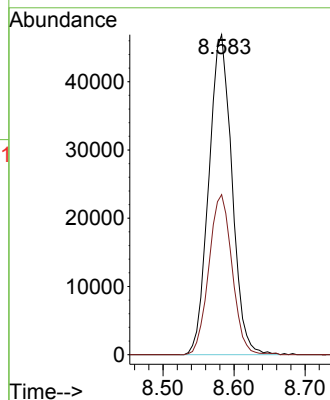
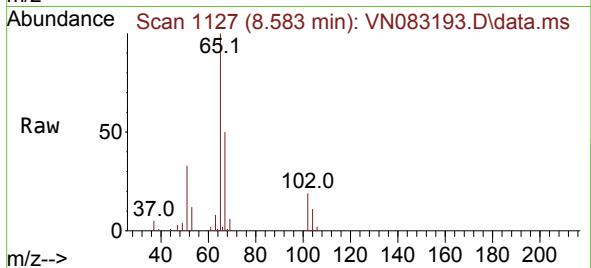
ClientSampleId :

Tgt Ion: 65 Resp: 106037

Ion Ratio Lower Upper

65 100

67 50.2 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: VN083193.D

Acq: 09 Aug 2024 19:39

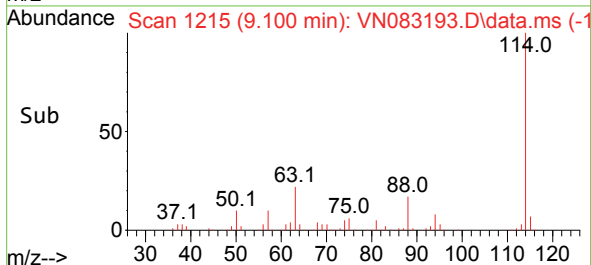
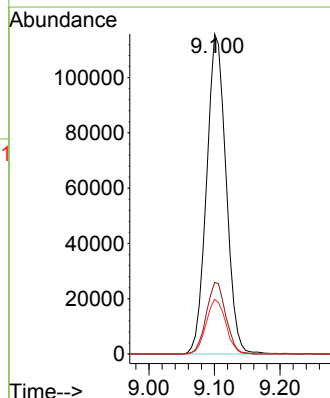
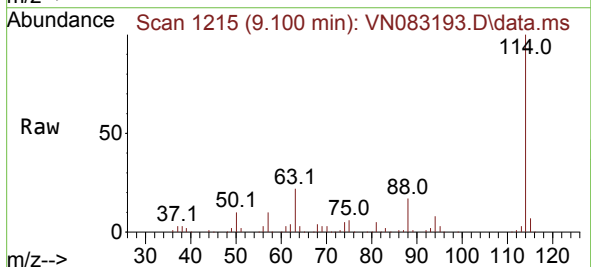
Tgt Ion: 114 Resp: 238925

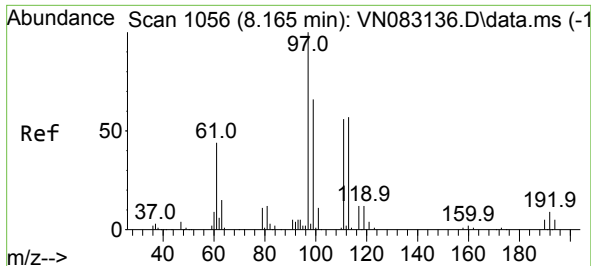
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

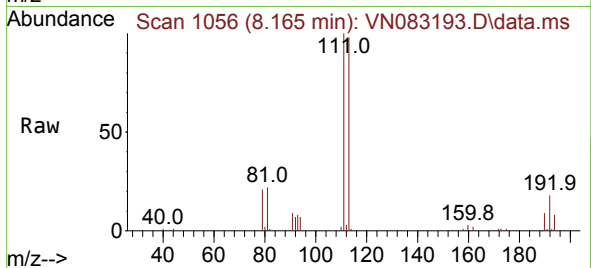
88 17.1 0.0 31.4



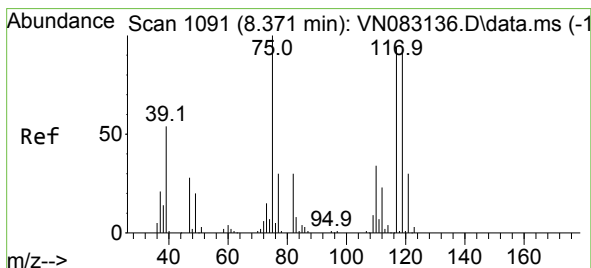
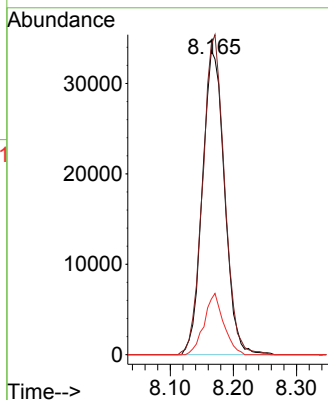
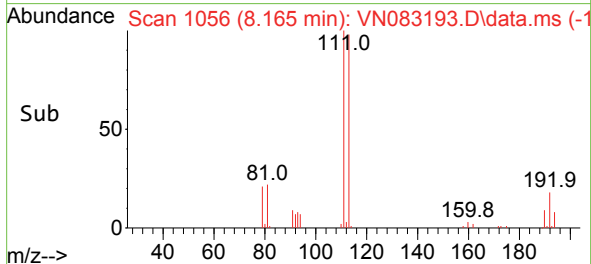


#35  
Dibromofluoromethane  
Concen: 54.958 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

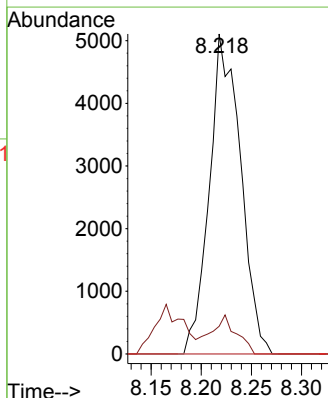
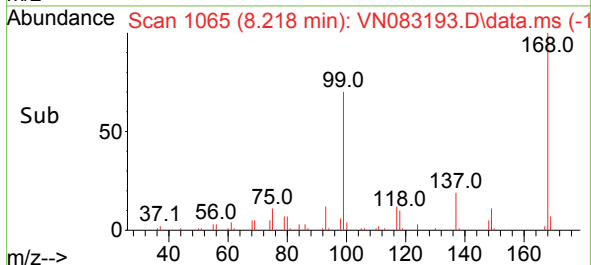
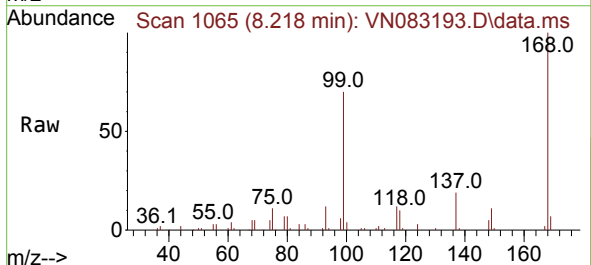


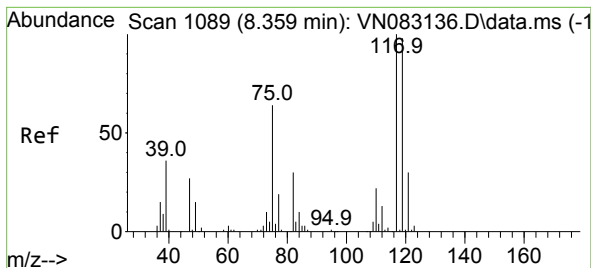
Tgt Ion:113 Resp: 81960  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.4 123.6  
192 17.7 14.9 22.3



#36  
1,1-Dichloropropene  
Concen: 4.897 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.153 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

Tgt Ion: 75 Resp: 11047  
Ion Ratio Lower Upper  
75 100  
110 9.1 16.3 48.9#  
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.689 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

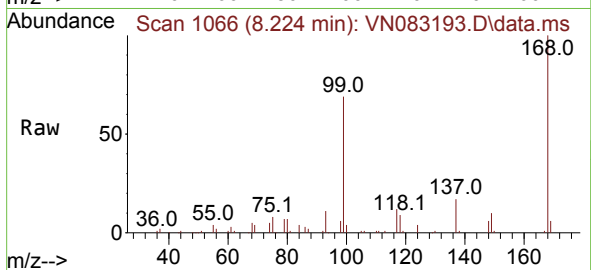
Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

Instrument :

MSVOA\_N

ClientSampleId :



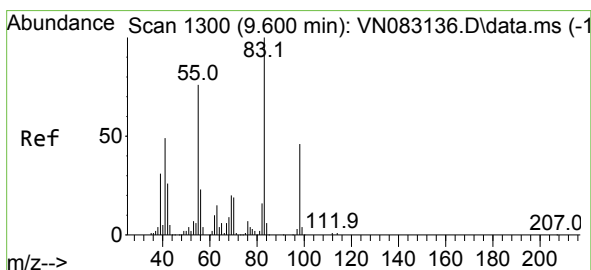
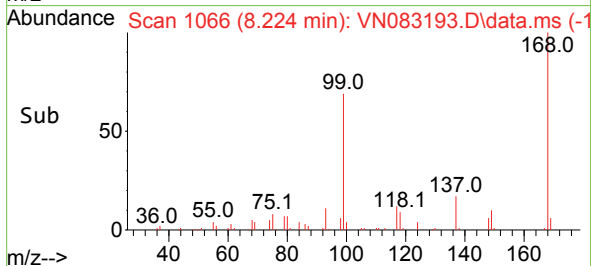
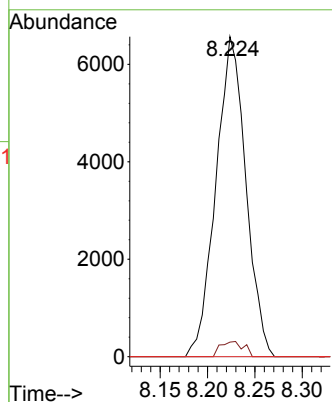
Tgt Ion:117 Resp: 14455

Ion Ratio Lower Upper

117 100

119 4.5 74.9 112.3#

121 0.0 24.3 36.5#



#39

Methylcyclohexane

Concen: 1.014 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.241 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

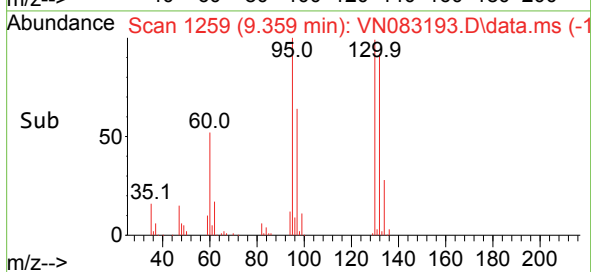
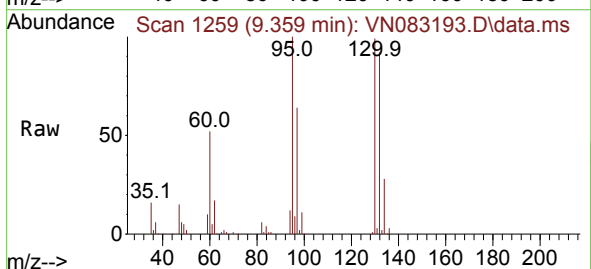
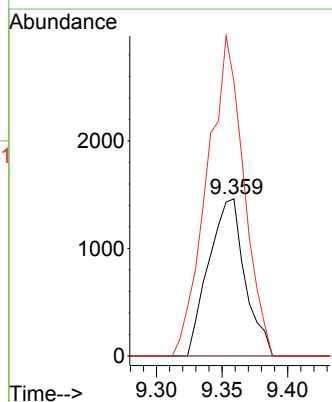
Tgt Ion: 83 Resp: 2811

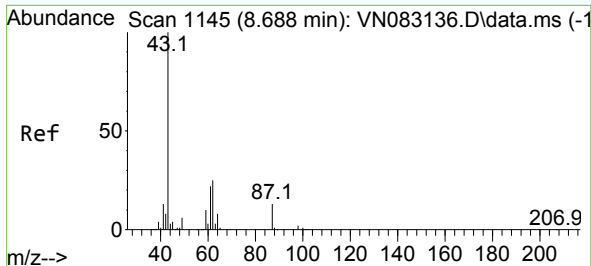
Ion Ratio Lower Upper

83 100

55 0.0 66.4 99.6#

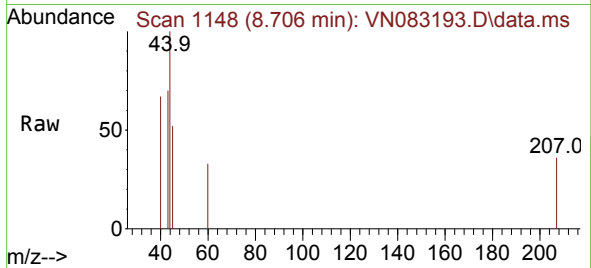
98 174.3 40.7 61.1#



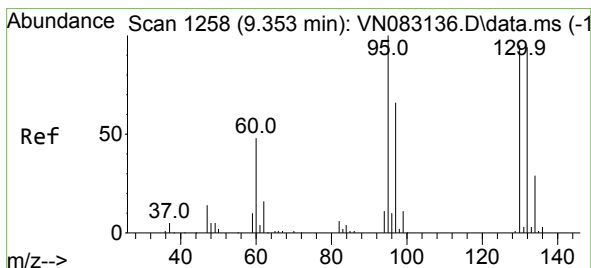
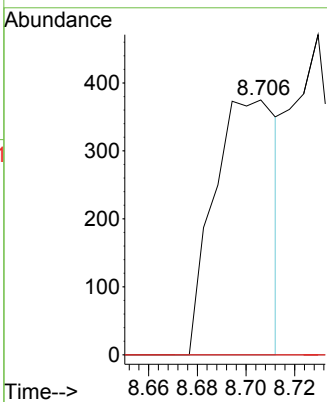
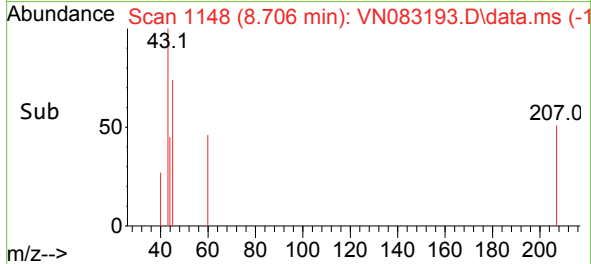


#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.706 min Scan# 1145  
Delta R.T. 0.018 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

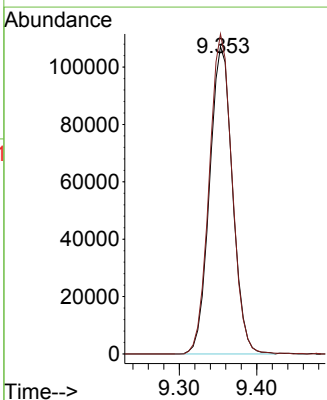
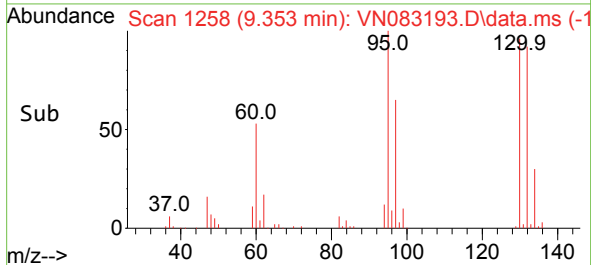
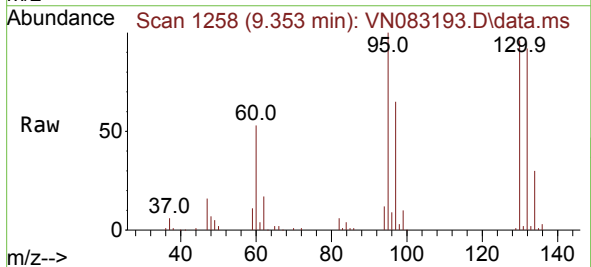


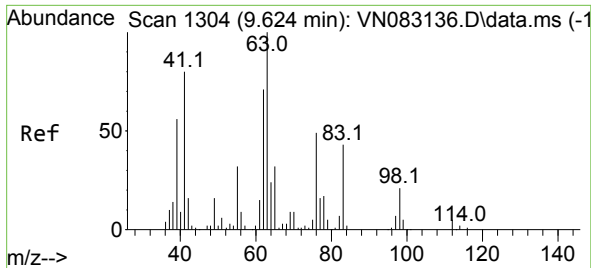
Tgt Ion: 43 Resp: 671  
Ion Ratio Lower Upper  
43 100  
61 0.0 17.8 26.6#  
87 0.0 8.2 12.2#



#44  
Trichloroethene  
Concen: 137.760 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

Tgt Ion:130 Resp: 220366  
Ion Ratio Lower Upper  
130 100  
95 104.1 0.0 197.8





#45

1,2-Dichloropropane

Concen: 0.472 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

Instrument :

MSVOA\_N

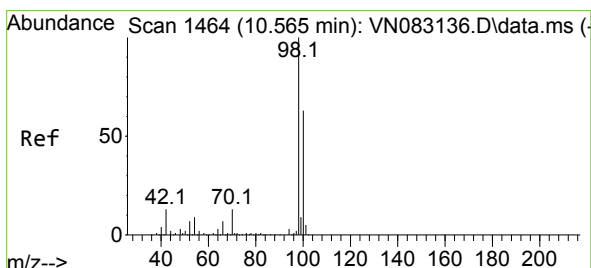
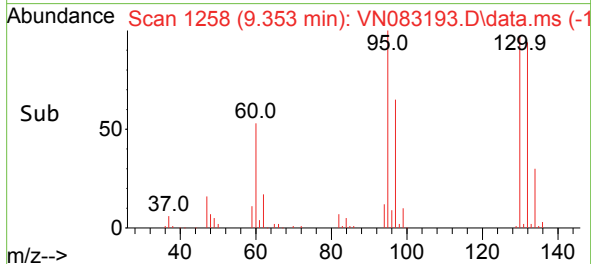
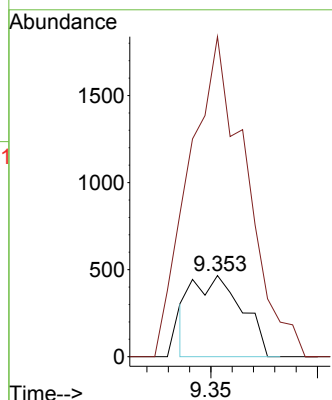
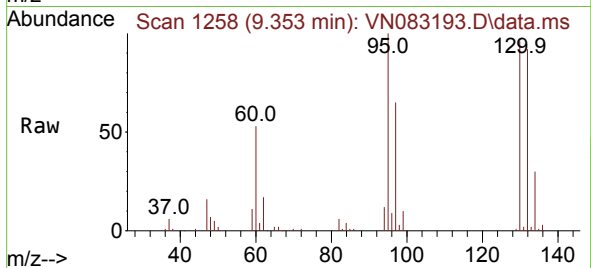
ClientSampleId :

Tgt Ion: 63 Resp: 753

Ion Ratio Lower Upper

63 100

65 351.7 24.4 36.6#



#50

Toluene-d8

Concen: 56.163 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083193.D

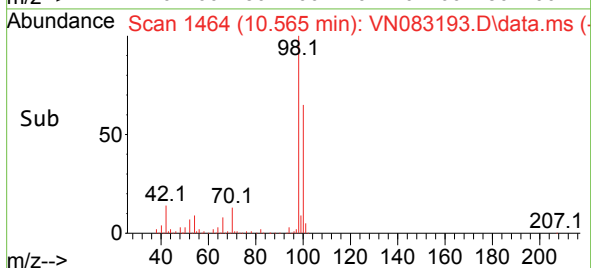
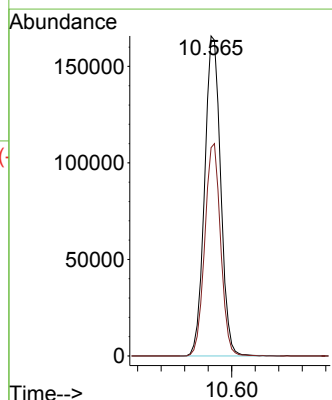
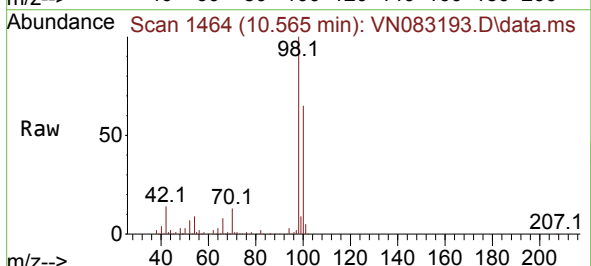
Acq: 09 Aug 2024 19:39

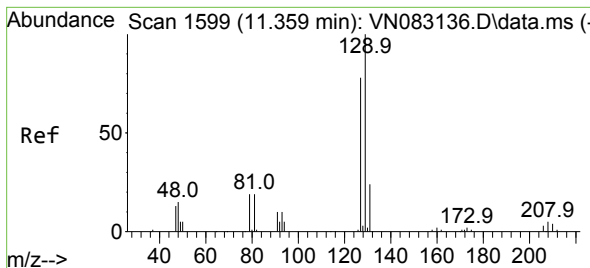
Tgt Ion: 98 Resp: 312433

Ion Ratio Lower Upper

98 100

100 65.5 51.5 77.3





#60

Dibromochloromethane

Concen: 0.696 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

Instrument :

MSVOA\_N

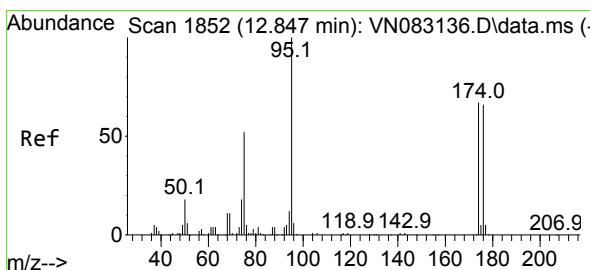
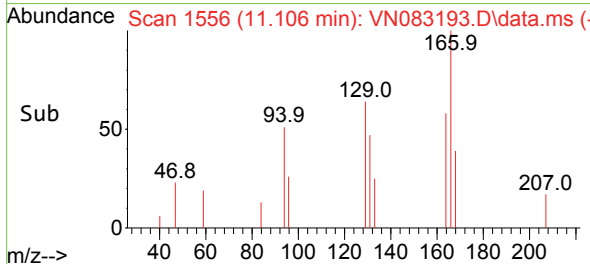
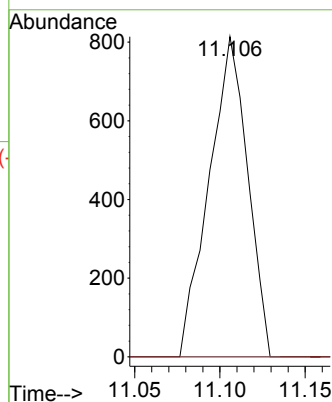
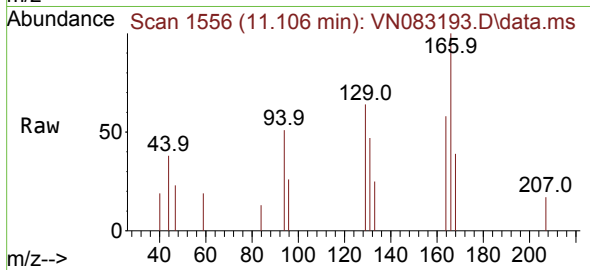
ClientSampleId :

Tgt Ion:129 Resp: 1281

Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#



#62

4-Bromofluorobenzene

Concen: 58.258 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

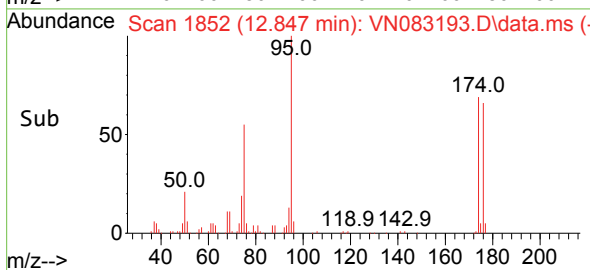
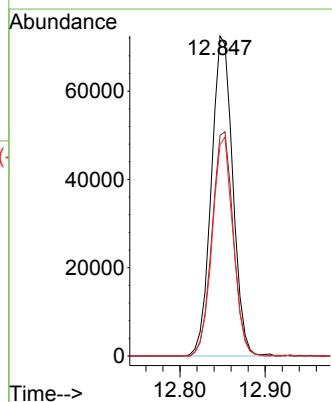
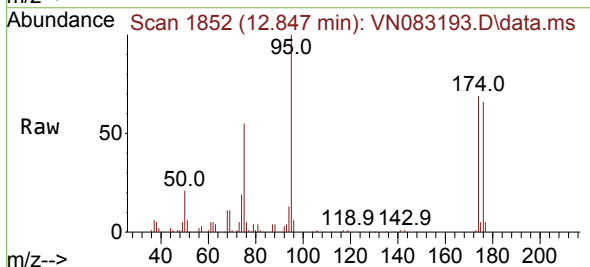
Tgt Ion: 95 Resp: 126349

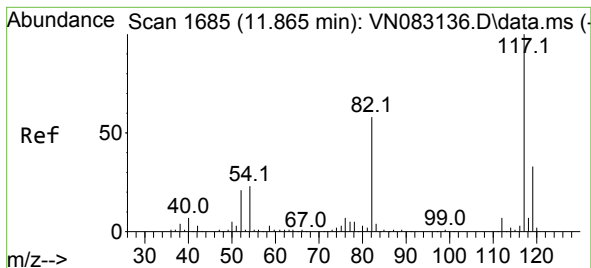
Ion Ratio Lower Upper

95 100

174 69.7 0.0 159.2

176 66.6 0.0 147.6

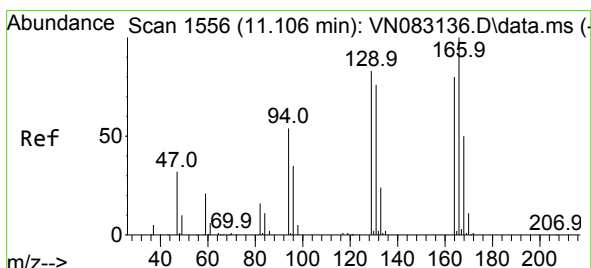
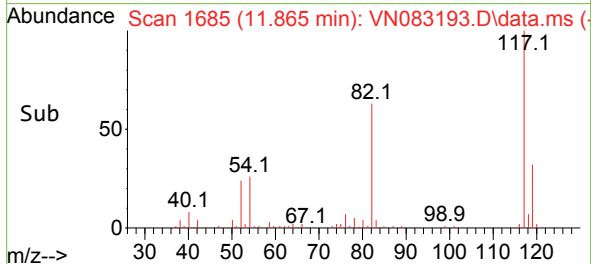
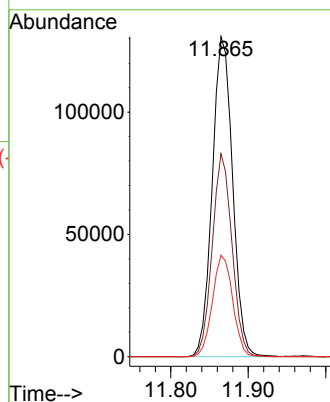
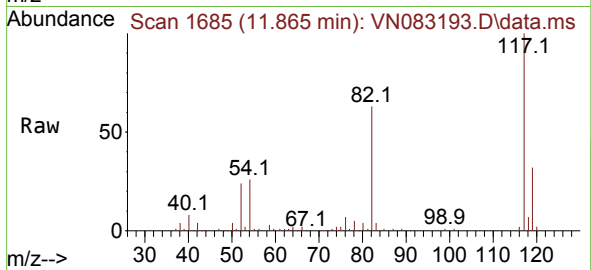




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

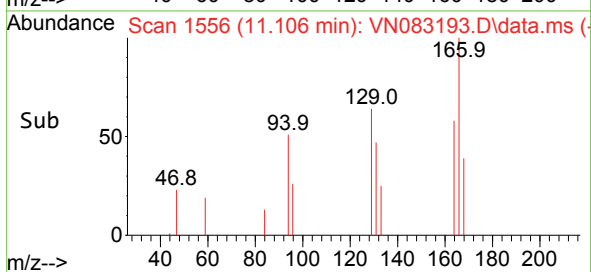
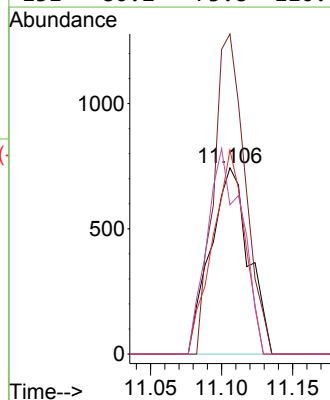
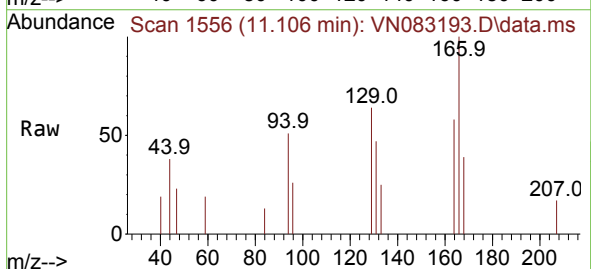
Instrument :  
MSVOA\_N  
ClientSampleId :

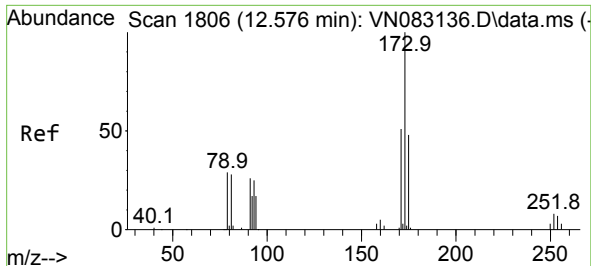
Tgt Ion:117 Resp: 238732  
Ion Ratio Lower Upper  
117 100  
82 63.4 47.5 71.3  
119 31.7 25.6 38.4



#64  
Tetrachloroethene  
Concen: 0.879 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

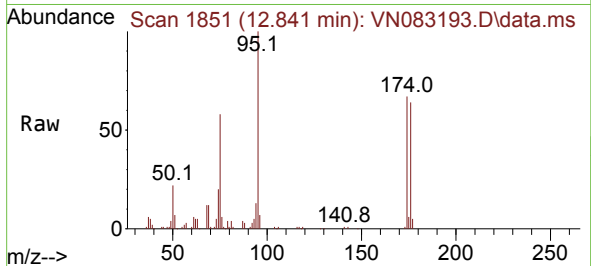
Tgt Ion:164 Resp: 1390  
Ion Ratio Lower Upper  
164 100  
166 172.0 101.4 152.0#  
129 109.6 75.7 113.5  
131 80.2 73.8 110.6



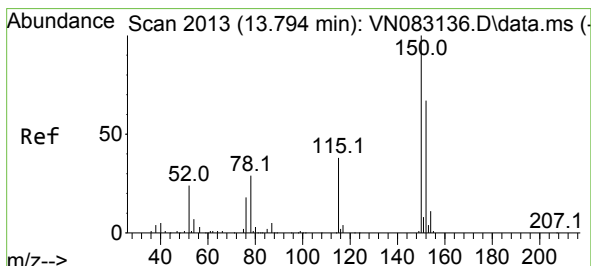
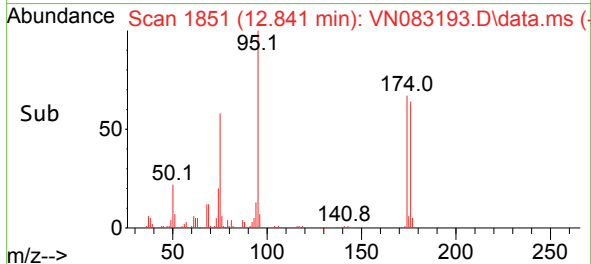
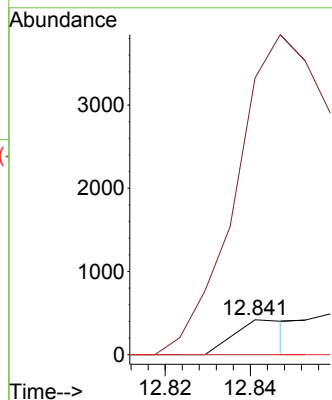


#71  
Bromoform  
Concen: 0.259 ug/l  
RT: 12.841 min Scan# 1806  
Delta R.T. 0.265 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

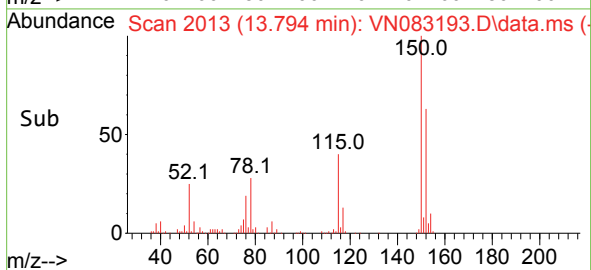
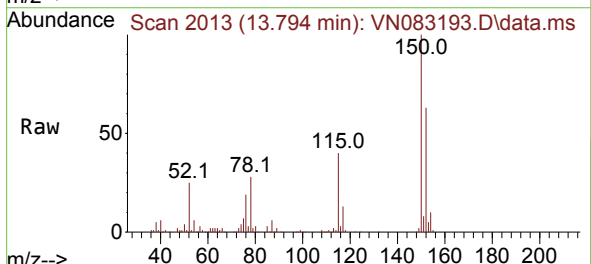
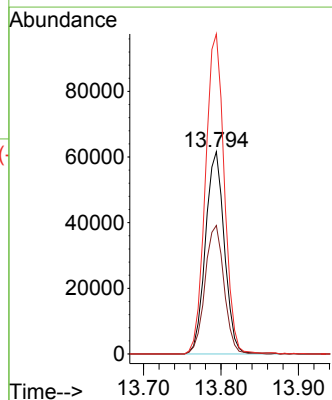


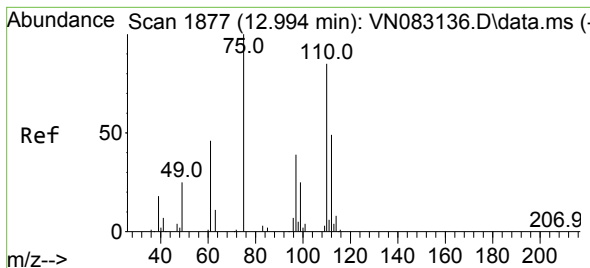
Tgt Ion:173 Resp: 365  
Ion Ratio Lower Upper  
173 100  
175 1278.1 24.0 72.0#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN083193.D  
Acq: 09 Aug 2024 19:39

Tgt Ion:152 Resp: 104492  
Ion Ratio Lower Upper  
152 100  
115 63.9 30.6 91.6  
150 157.0 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 30.535 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

Instrument :

MSVOA\_N

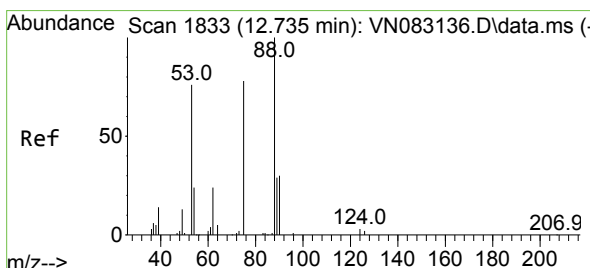
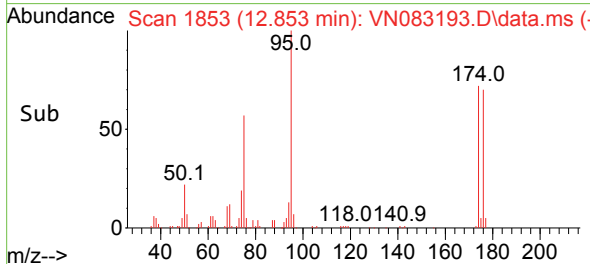
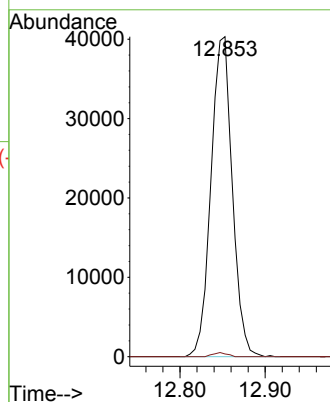
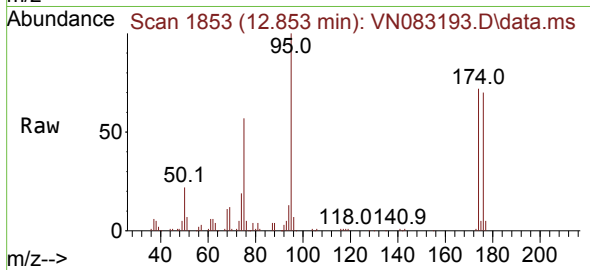
ClientSampleId :

Tgt Ion: 75 Resp: 70027

Ion Ratio Lower Upper

75 100

77 0.9 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.421 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN083193.D

Acq: 09 Aug 2024 19:39

Tgt Ion: 75 Resp: 70027

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

