

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081624\  
 Data File : VN083355.D  
 Acq On : 16 Aug 2024 15:39  
 Operator : JC\MD  
 Sample : P3628-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 17 01:47:27 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  | 122959   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 247851   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 261085   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 116794   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 104683   | 59.813   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 119.620% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 83099    | 53.715   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 107.440% |
| 50) Toluene-d8              | 10.571 | 98    | 314727   | 54.538   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 109.080% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 129417   | 57.524   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 115.040% |

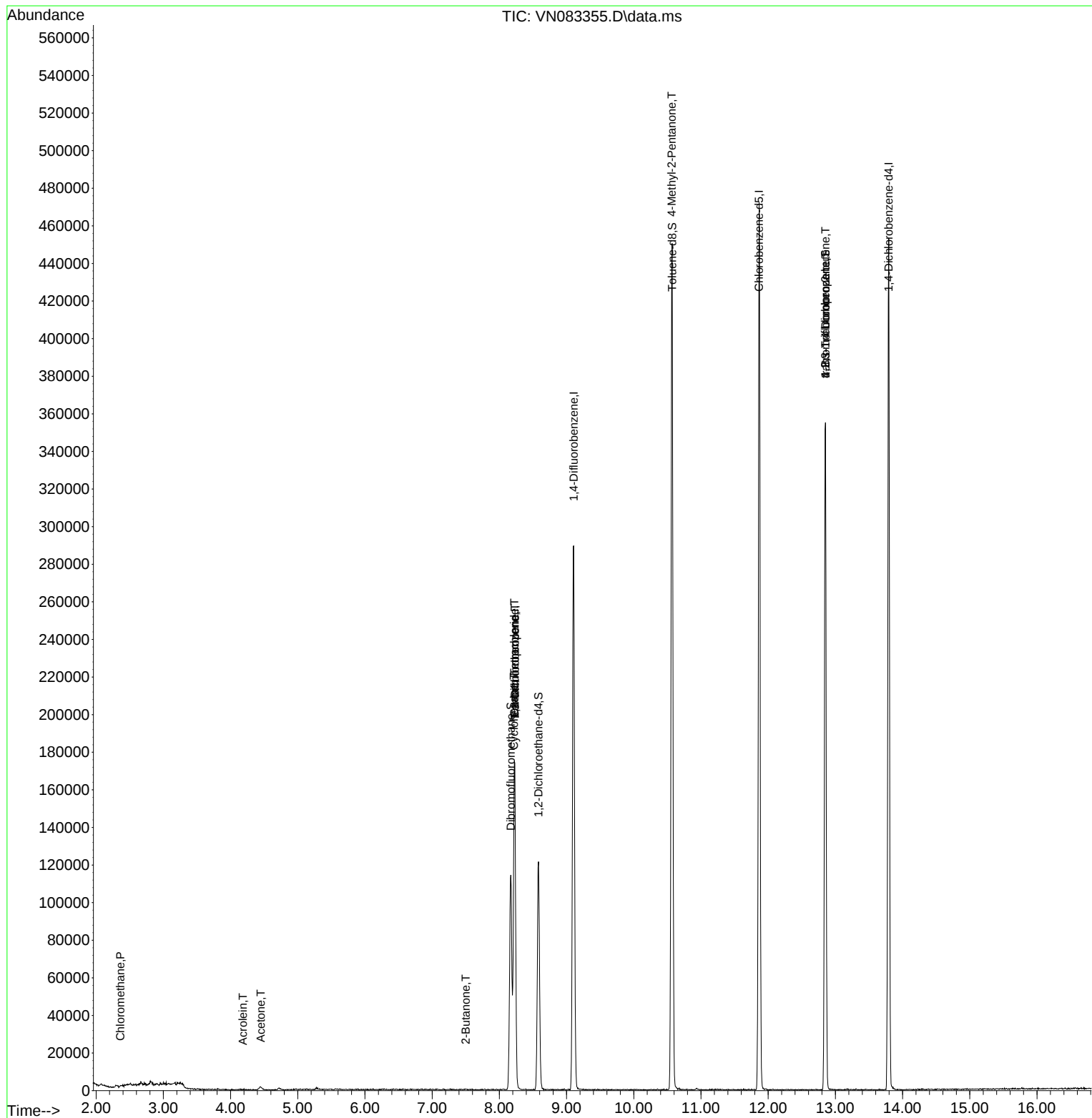
| Target Compounds              | R.T.   | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|--------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 2.359  | 50   | 394      | 0.276     | ug/l # | 43     |
| 13) Acrolein                  | 4.183  | 56   | 68       | 0.287     | ug/l # | 75     |
| 16) Acetone                   | 4.447  | 43   | 3370     | 4.921     | ug/l   | 96     |
| 25) 2-Butanone                | 7.500  | 43   | 455      | 0.433     | ug/l # | 53     |
| 31) Cyclohexane               | 8.218  | 56   | 2983     | 1.150     | ug/l # | 20     |
| 36) 1,1-Dichloropropene       | 8.230  | 75   | 11152    | 4.765     | ug/l # | 52     |
| 38) Carbon Tetrachloride      | 8.224  | 117  | 13427    | 5.094     | ug/l # | 17     |
| 43) Isopropyl Acetate         | 8.777  | 43   | 53       | Below Cal | #      | 60     |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43   | 1417     | 0.572     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75   | 72092    | 28.124    | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75   | 72092    | 61.177    | ug/l # | 6      |

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

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

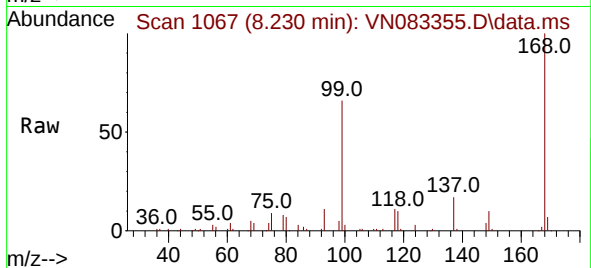
Quant Time: Aug 17 01:47:27 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
Response via : Initial Calibration



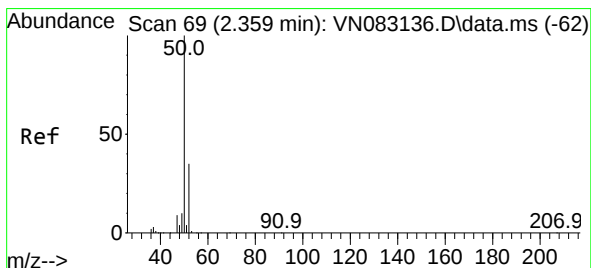
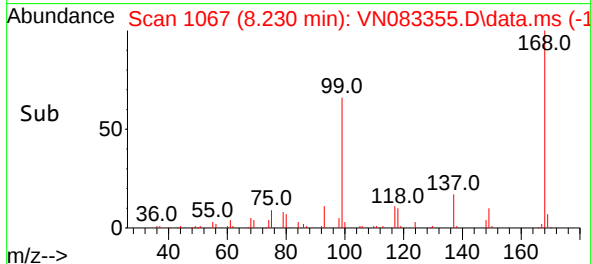
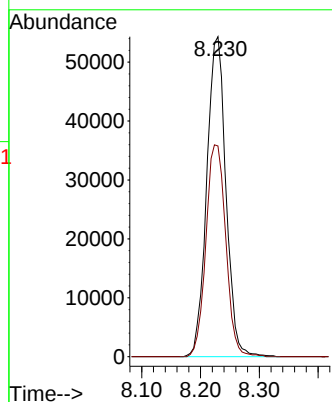


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :

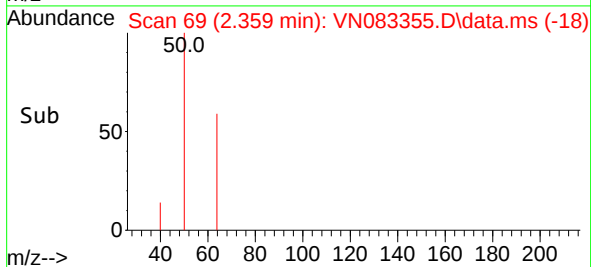
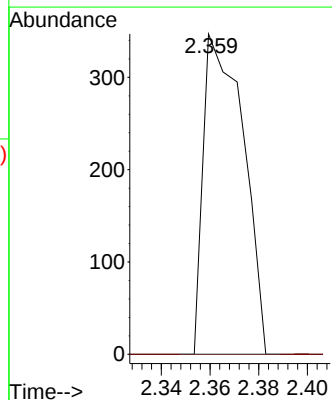
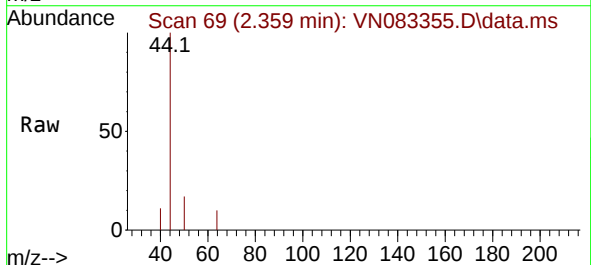


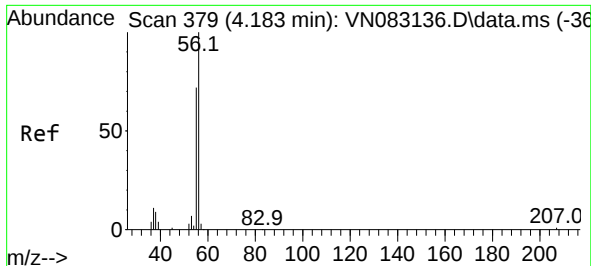
Tgt Ion:168 Resp: 122959  
Ion Ratio Lower Upper  
168 100  
99 65.9 48.2 72.4



#3  
Chloromethane  
Concen: 0.276 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

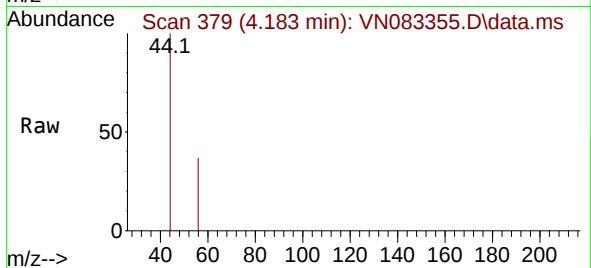
Tgt Ion: 50 Resp: 394  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#



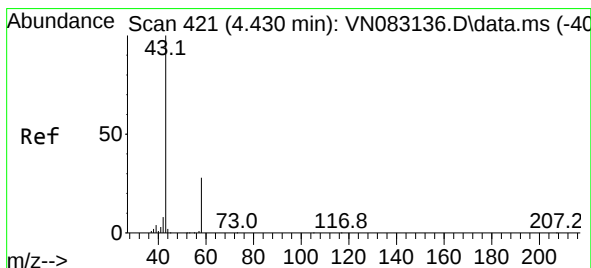
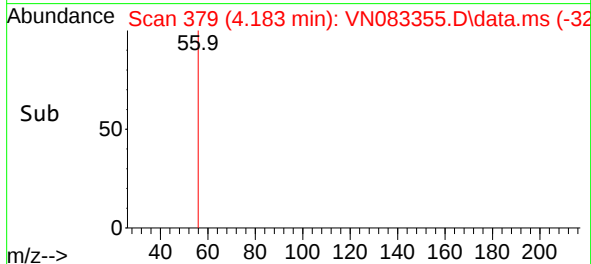
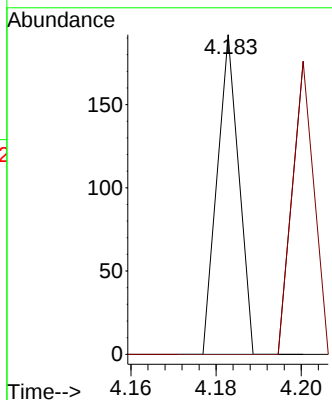


#13  
Acrolein  
Concen: 0.287 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :

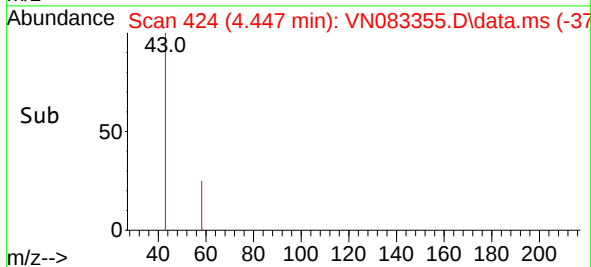
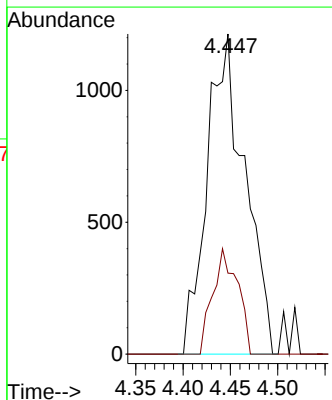
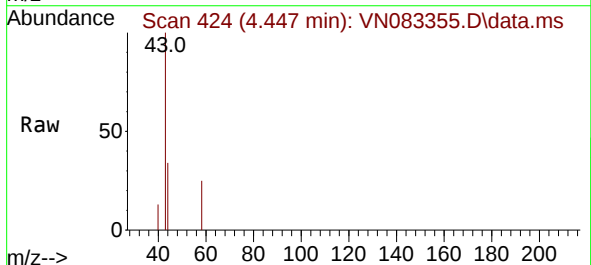


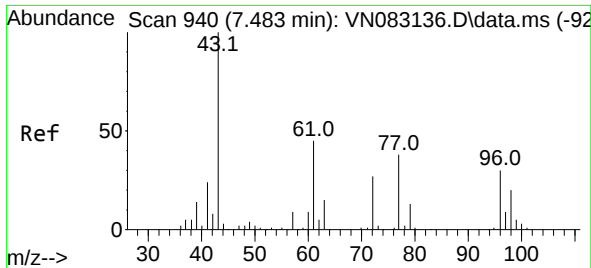
Tgt Ion: 56 Resp: 68  
Ion Ratio Lower Upper  
56 100  
55 91.2 56.4 84.6#



#16  
Acetone  
Concen: 4.921 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.018 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

Tgt Ion: 43 Resp: 3370  
Ion Ratio Lower Upper  
43 100  
58 25.3 21.8 32.6

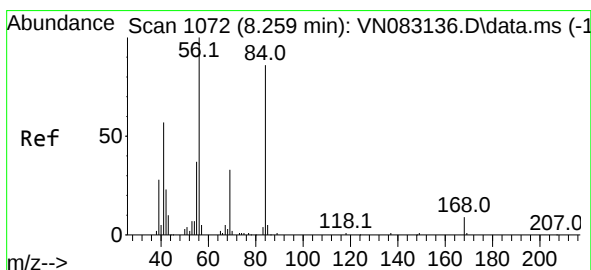
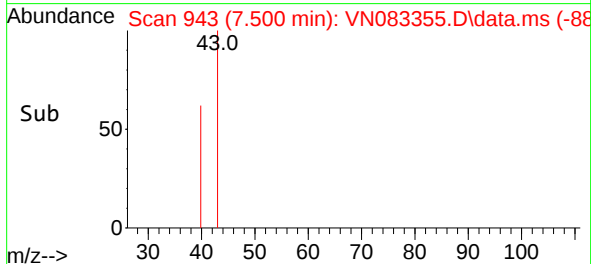
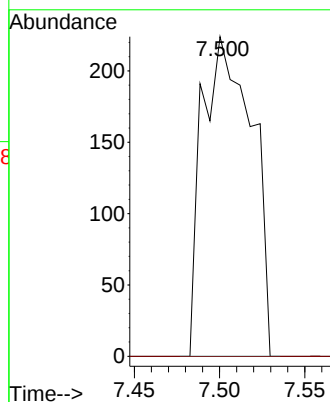
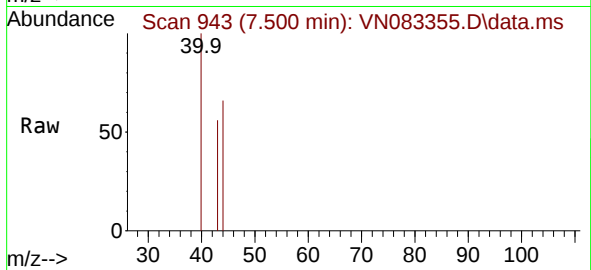




#25  
2-Butanone  
Concen: 0.433 ug/l  
RT: 7.500 min Scan# 94  
Delta R.T. 0.018 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

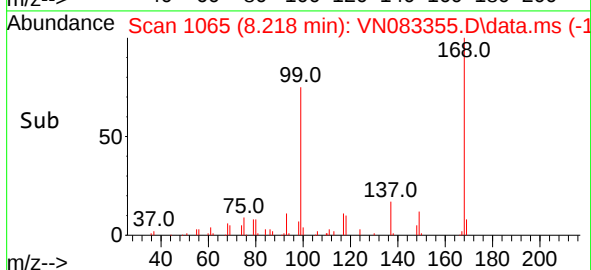
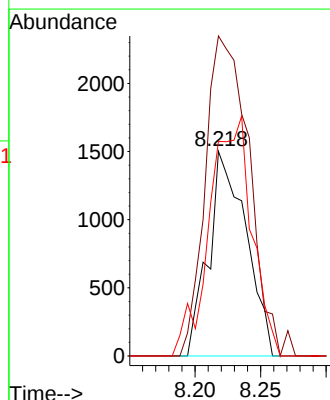
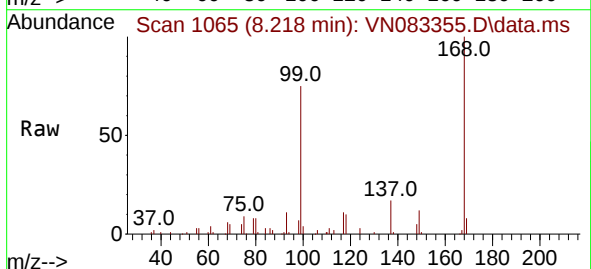
Instrument :  
MSVOA\_N  
ClientSampleId :

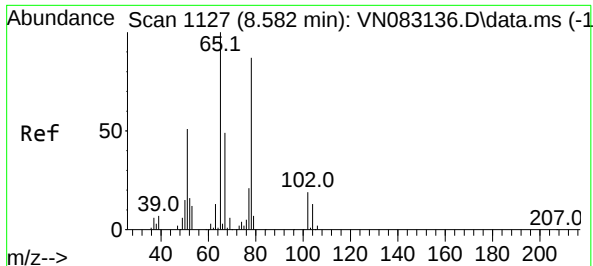
Tgt Ion: 43 Resp: 455  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.2 27.2#



#31  
Cyclohexane  
Concen: 1.150 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.041 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

Tgt Ion: 56 Resp: 2983  
Ion Ratio Lower Upper  
56 100  
69 156.3 24.5 36.7#  
84 104.8 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 59.813 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN083355.D

Acq: 16 Aug 2024 15:39

Instrument :

MSVOA\_N

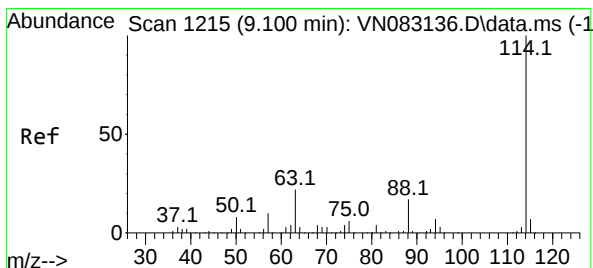
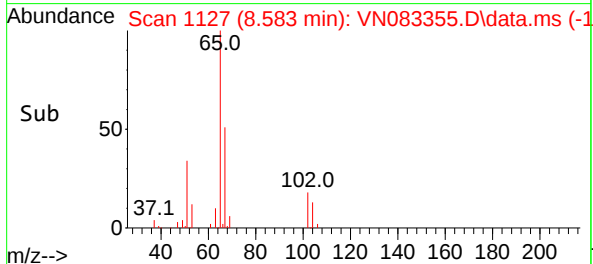
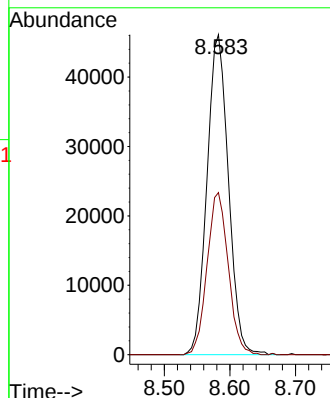
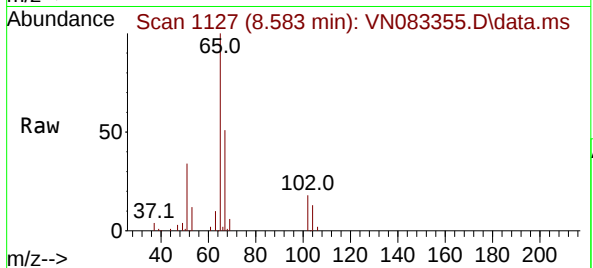
ClientSampleId :

Tgt Ion: 65 Resp: 104683

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN083355.D

Acq: 16 Aug 2024 15:39

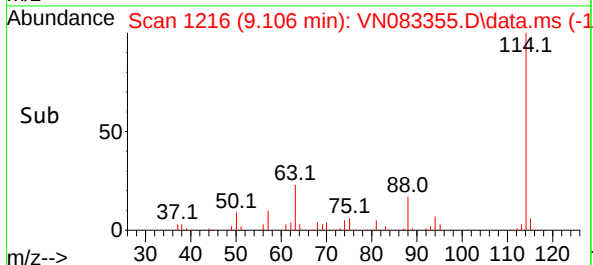
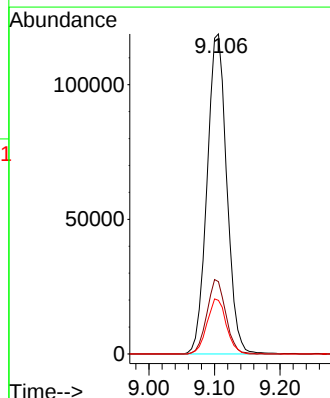
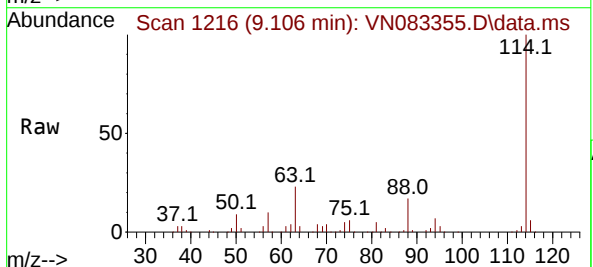
Tgt Ion: 114 Resp: 247851

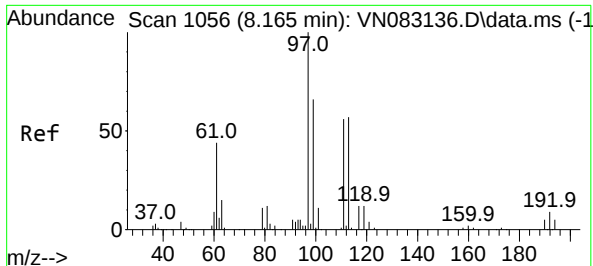
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.715 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083355.D

Acq: 16 Aug 2024 15:39

Instrument :

MSVOA\_N

ClientSampleId :

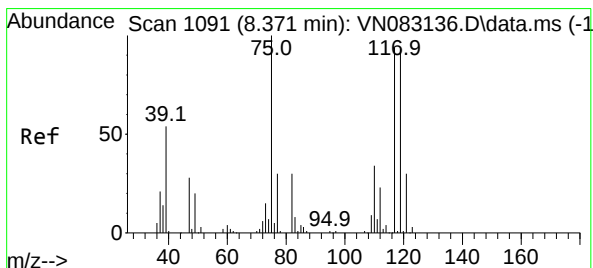
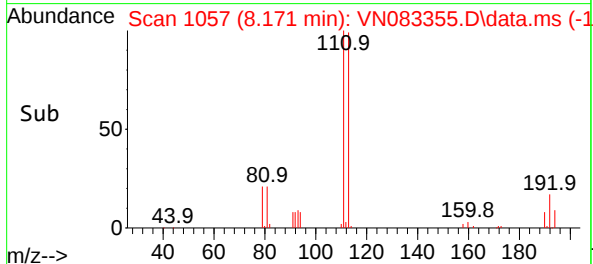
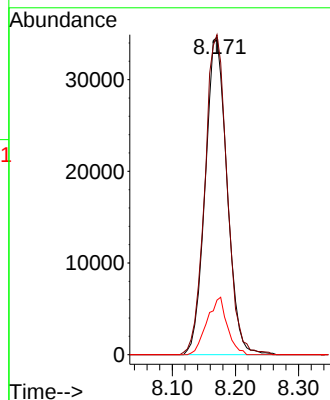
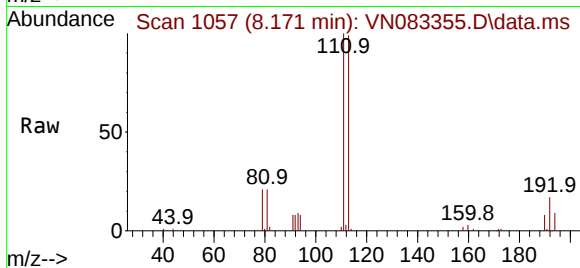
Tgt Ion:113 Resp: 83099

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 16.8 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.765 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083355.D

Acq: 16 Aug 2024 15:39

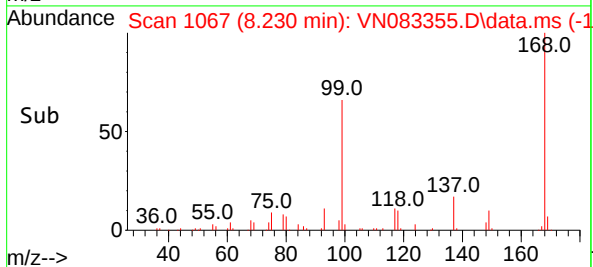
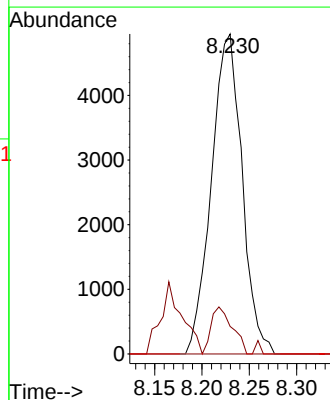
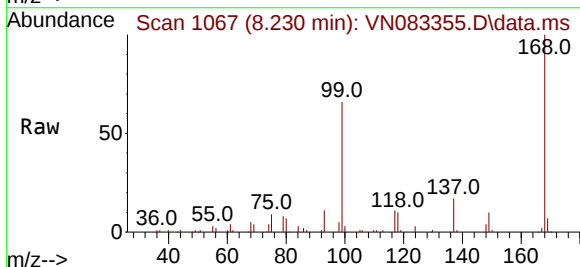
Tgt Ion: 75 Resp: 11152

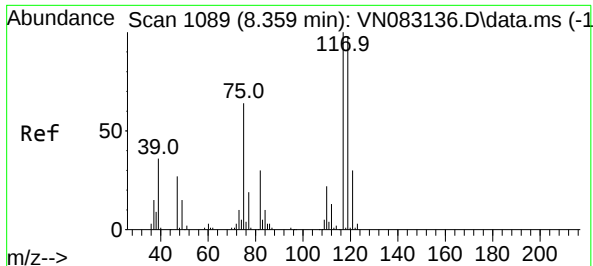
Ion Ratio Lower Upper

75 100

110 10.2 16.3 48.9#

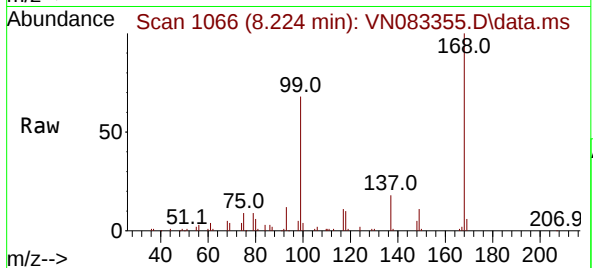
77 0.0 24.6 37.0#



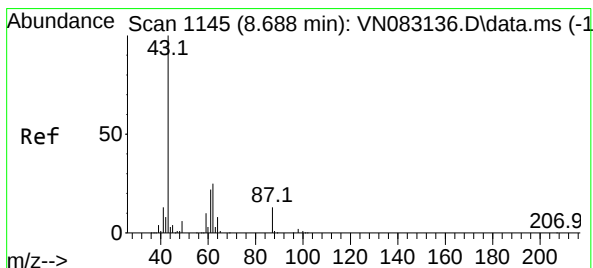
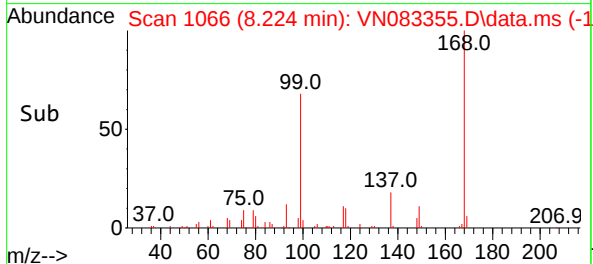
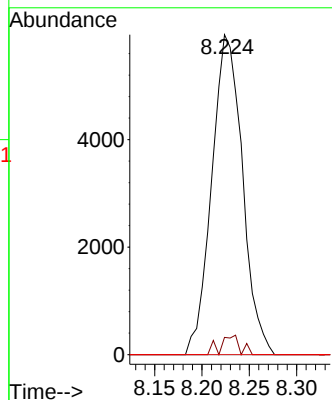


#38  
Carbon Tetrachloride  
Concen: 5.094 ug/l  
RT: 8.224 min Scan# 1160  
Delta R.T. -0.135 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :

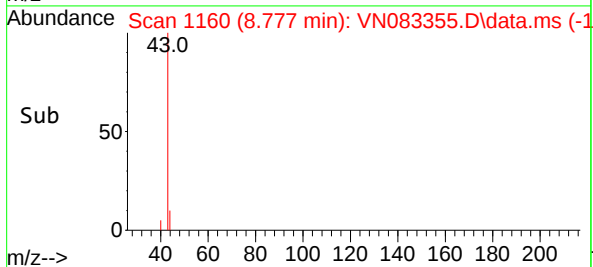
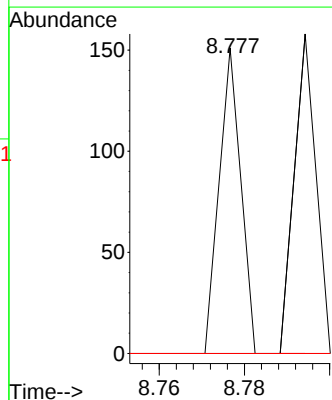
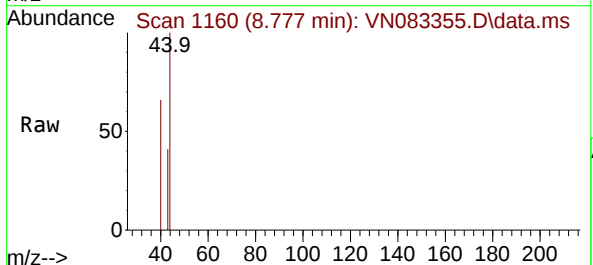


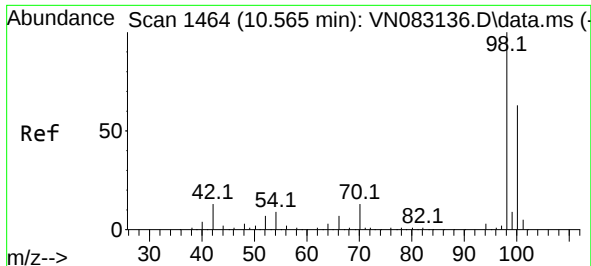
Tgt Ion:117 Resp: 13427  
Ion Ratio Lower Upper  
117 100  
119 5.4 74.9 112.3#  
121 0.0 24.3 36.5#



#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.777 min Scan# 1160  
Delta R.T. 0.089 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

Tgt Ion: 43 Resp: 53  
Ion Ratio Lower Upper  
43 100  
61 0.0 17.8 26.6#  
87 0.0 8.2 12.2#

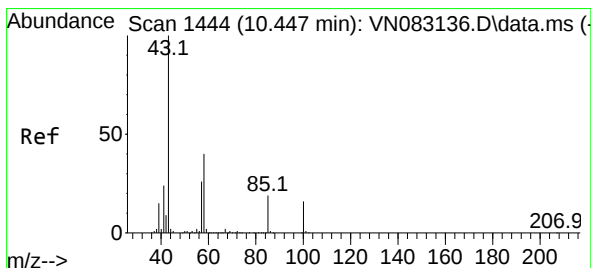
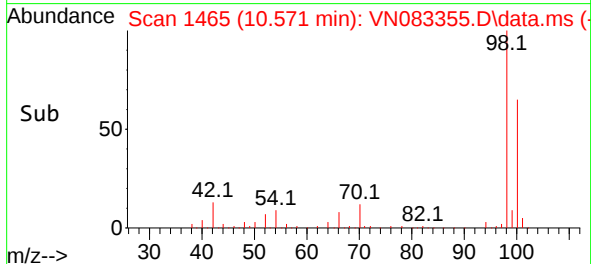
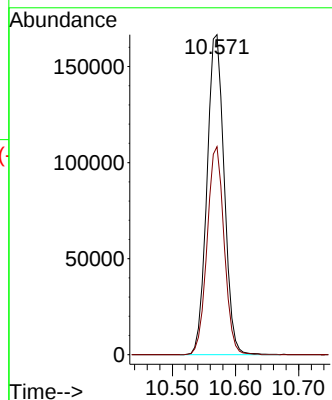
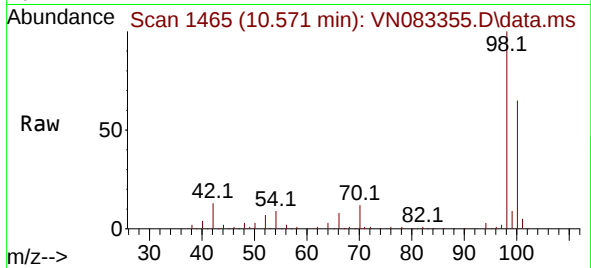




#50  
Toluene-d8  
Concen: 54.538 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

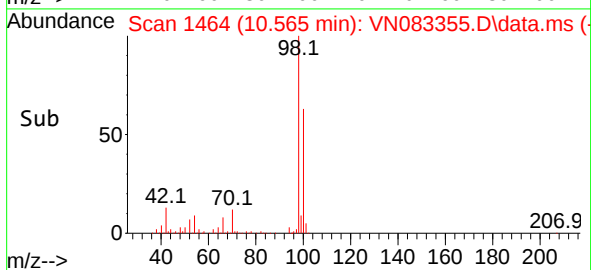
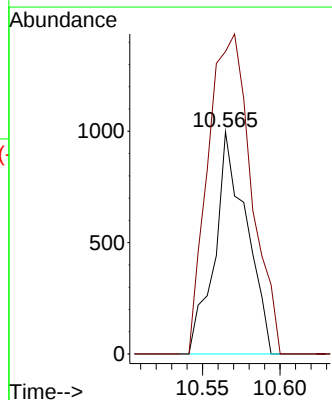
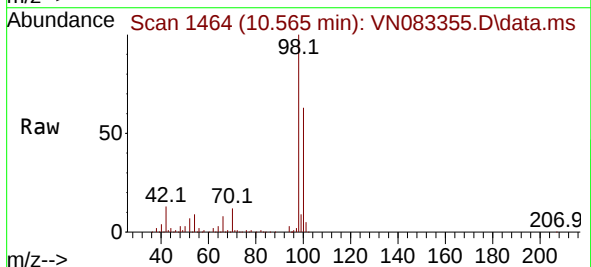
Instrument :  
MSVOA\_N  
ClientSampleId :

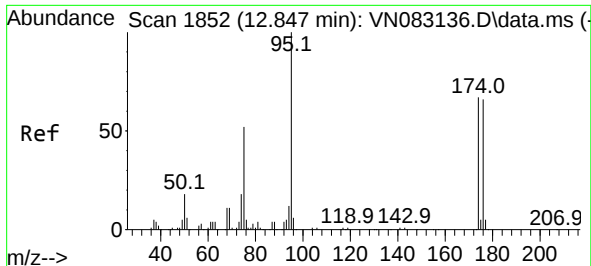
Tgt Ion: 98 Resp: 314727  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.572 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.118 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

Tgt Ion: 43 Resp: 1417  
Ion Ratio Lower Upper  
43 100  
58 197.4 28.2 42.4#

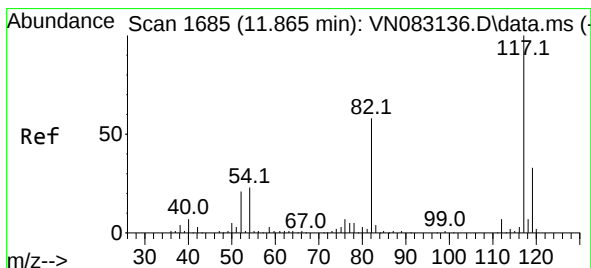
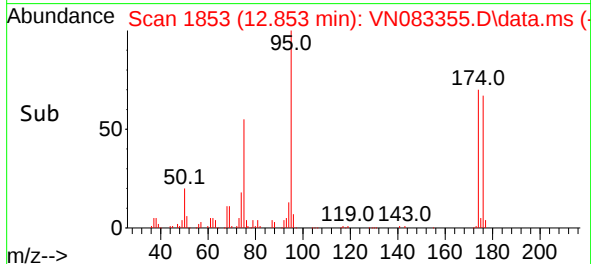
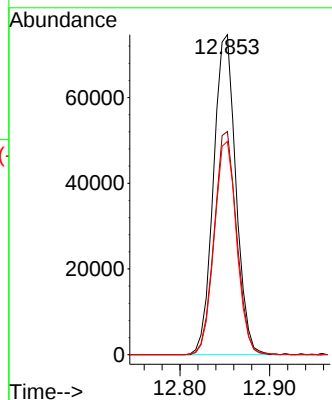
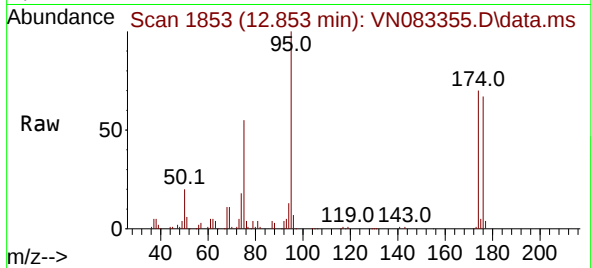




#62  
4-Bromofluorobenzene  
Concen: 57.524 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

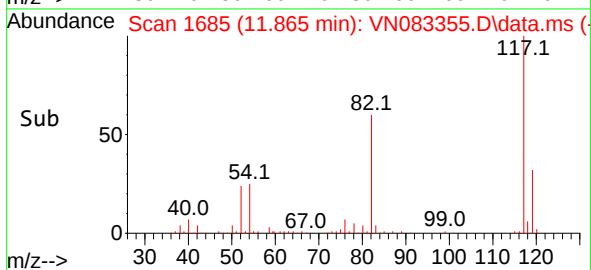
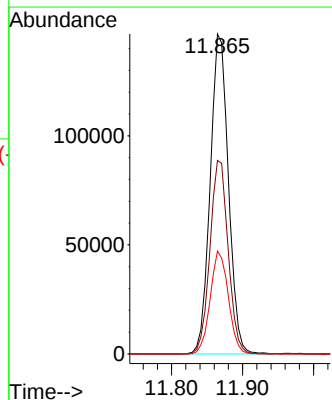
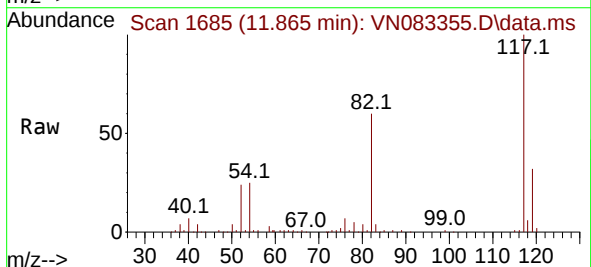
Instrument :  
MSVOA\_N  
ClientSampleId :

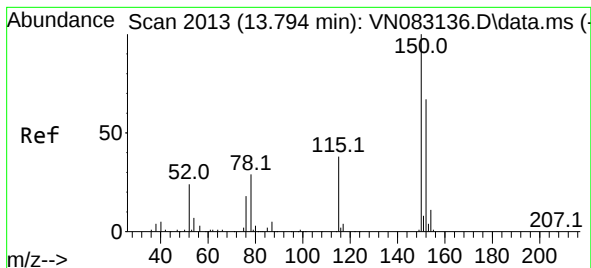
Tgt Ion: 95 Resp: 129417  
Ion Ratio Lower Upper  
95 100  
174 69.7 0.0 159.2  
176 66.7 0.0 147.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

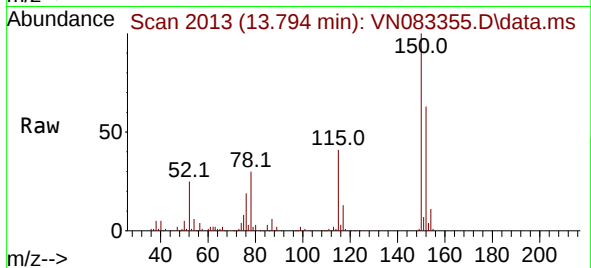
Tgt Ion: 117 Resp: 261085  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.5 71.3  
119 32.1 25.6 38.4



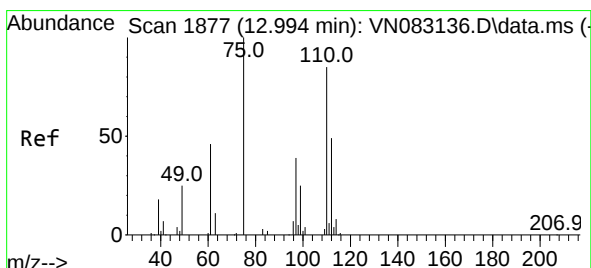
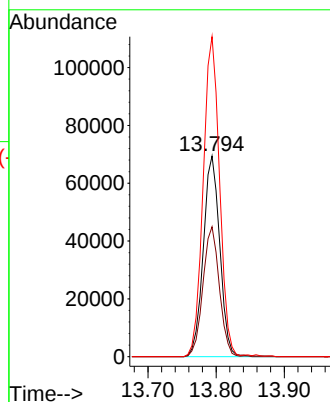
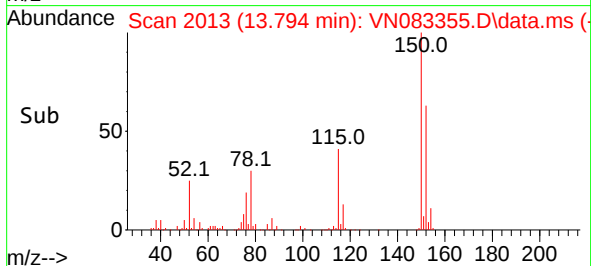


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

Instrument :  
MSVOA\_N  
ClientSampleId :

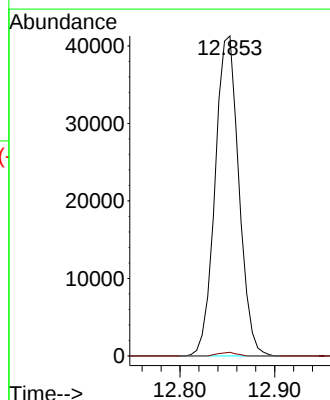
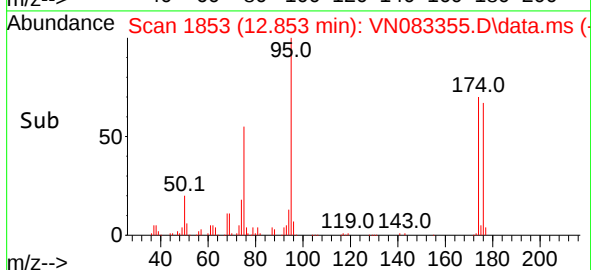
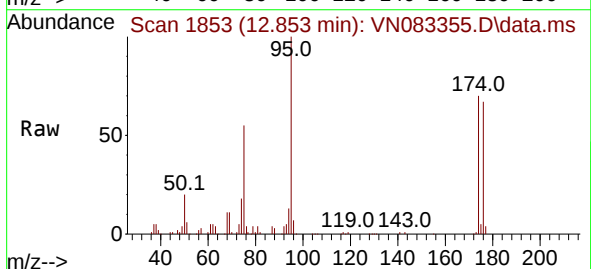


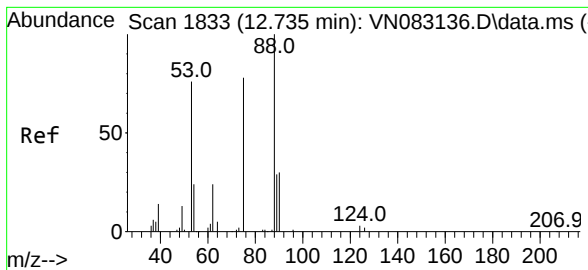
Tgt Ion:152 Resp: 116794  
Ion Ratio Lower Upper  
152 100  
115 64.5 30.6 91.6  
150 157.9 0.0 348.6



#76  
1,2,3-Trichloropropane  
Concen: 28.124 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN083355.D  
Acq: 16 Aug 2024 15:39

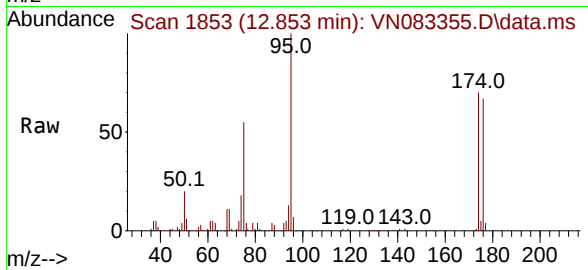
Tgt Ion: 75 Resp: 72092  
Ion Ratio Lower Upper  
75 100  
77 0.9 110.9 332.6#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 61.177 ug/l  
 RT: 12.853 min Scan# 11  
 Delta R.T. 0.118 min  
 Lab File: VN083355.D  
 Acq: 16 Aug 2024 15:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 75 Resp: 72092  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 88.4 132.6#  
 89 0.0 36.3 54.5#

