

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082624\  
 Data File : VN083473.D  
 Acq On : 26 Aug 2024 11:33  
 Operator : JC\MD  
 Sample : VN0826WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 27 01:51:35 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

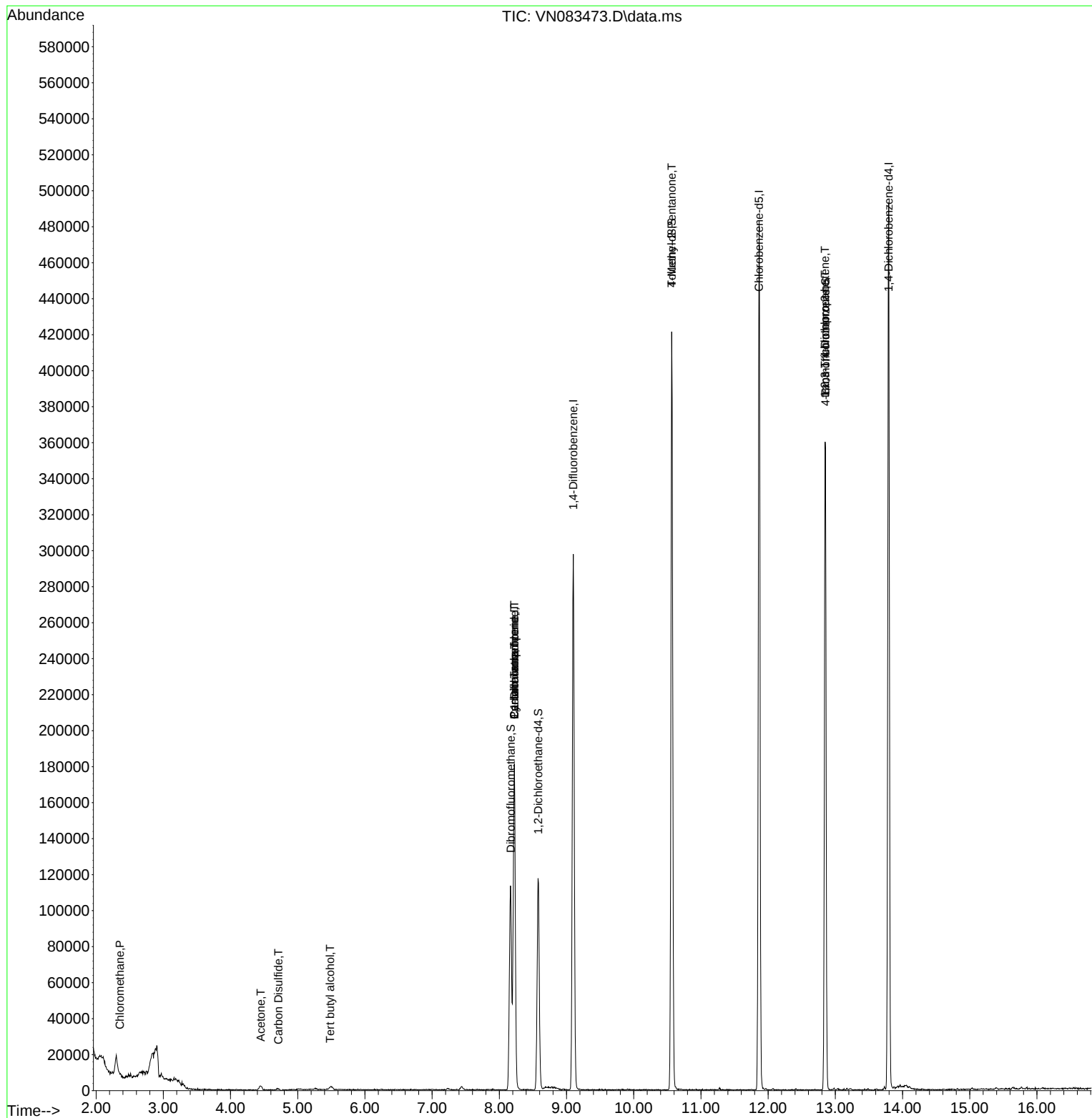
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 122134   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 248168   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 263866   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 126736   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 99485    | 57.227    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 114.460% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 80287    | 51.831    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 103.660% |          |
| 50) Toluene-d8                | 10.565 | 98    | 283352   | 49.038    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 98.080%  |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 130193   | 57.795    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | = 115.600% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.354  | 50    | 382      | 0.269     | ug/l #     | 43       |
| 11) Tert butyl alcohol        | 5.483  | 59    | 1900     | 5.259     | ug/l #     | 71       |
| 16) Acetone                   | 4.448  | 43    | 172      | 0.253     | ug/l #     | 48       |
| 17) Carbon Disulfide          | 4.712  | 76    | 1677     | 0.423     | ug/l #     | 75       |
| 31) Cyclohexane               | 8.224  | 56    | 3053     | 1.185     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.224  | 75    | 10998    | 4.694     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 14304    | 5.420     | ug/l #     | 17       |
| 43) Isopropyl Acetate         | 8.694  | 43    | 1608     | Below Cal | #          | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43    | 1260     | 0.508     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 71223    | 25.606    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 71223    | 55.698    | ug/l #     | 6        |
| -----                         |        |       |          |           |            |          |

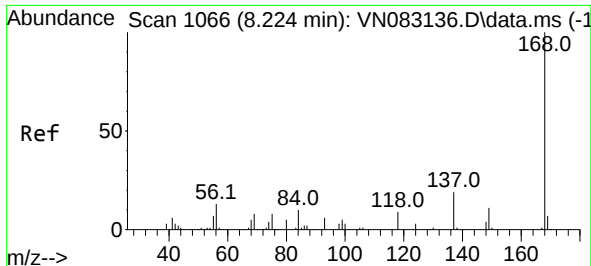
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082624\  
Data File : VN083473.D  
Acq On : 26 Aug 2024 11:33  
Operator : JC\MD  
Sample : VN0826WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

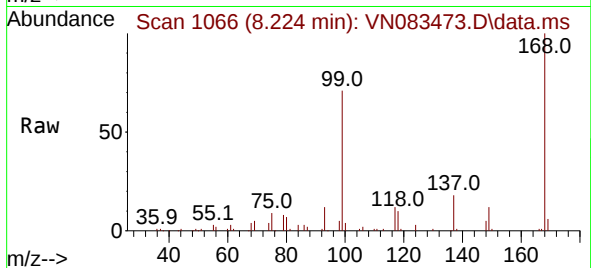
Quant Time: Aug 27 01:51:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
Response via : Initial Calibration



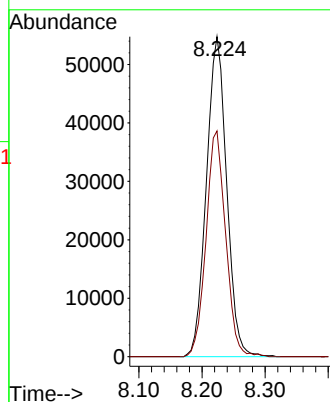
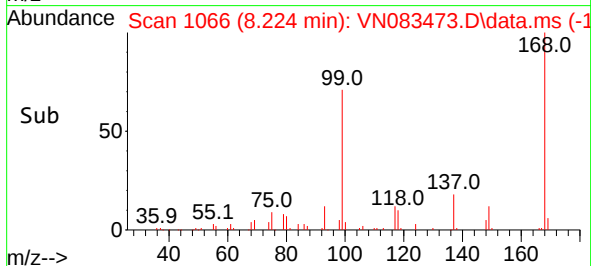


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

Instrument :  
MSVOA\_N  
ClientSampleId :

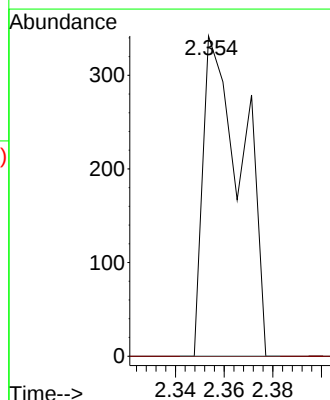
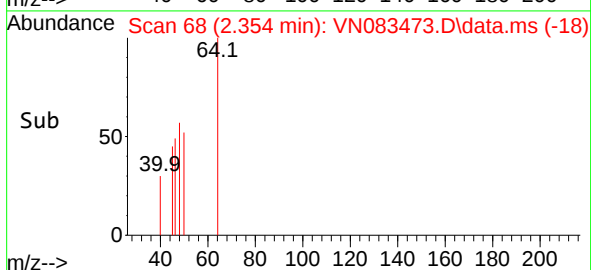
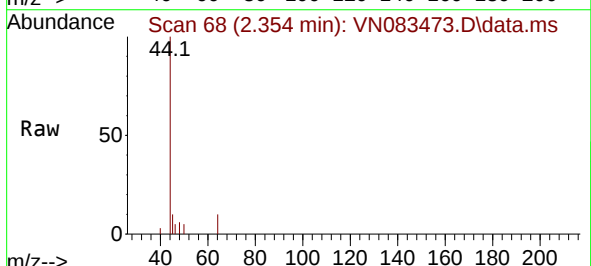


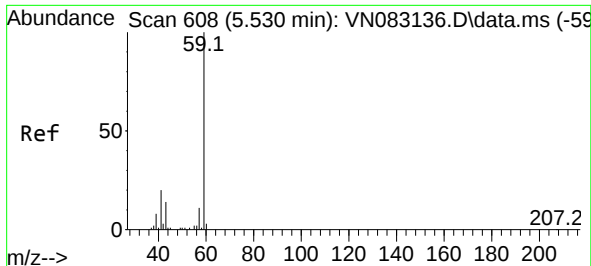
Tgt Ion:168 Resp: 122134  
Ion Ratio Lower Upper  
168 100  
99 70.5 48.2 72.4



#3  
Chloromethane  
Concen: 0.269 ug/l  
RT: 2.354 min Scan# 68  
Delta R.T. -0.006 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

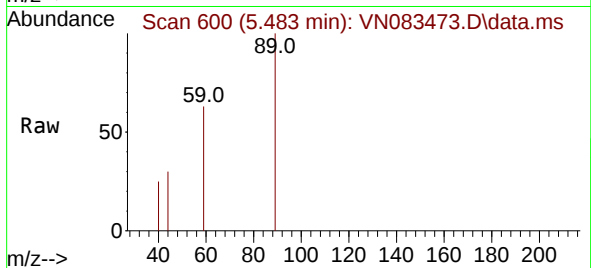
Tgt Ion: 50 Resp: 382  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#



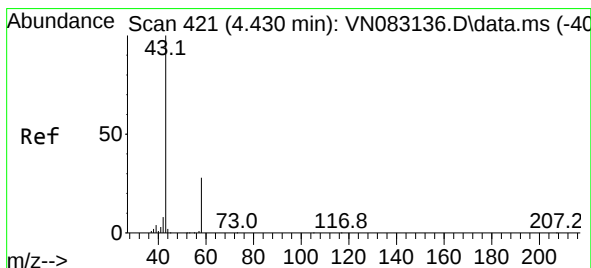
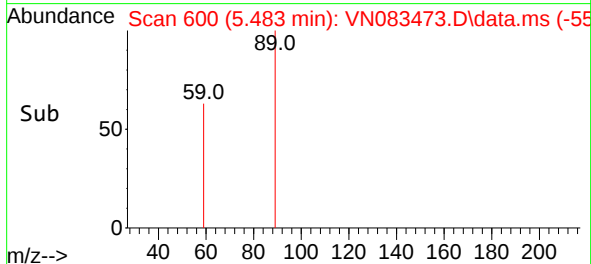
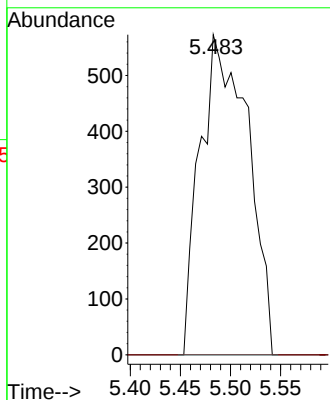


#11  
Tert butyl alcohol  
Concen: 5.259 ug/l  
RT: 5.483 min Scan# 608  
Delta R.T. -0.047 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

Instrument :  
MSVOA\_N  
ClientSampleId :

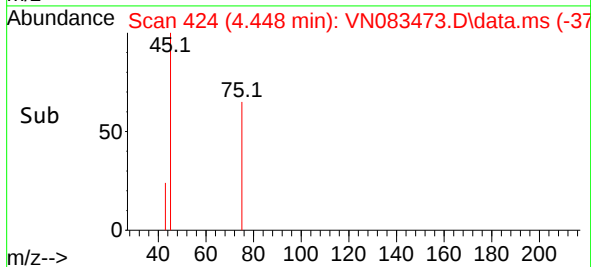
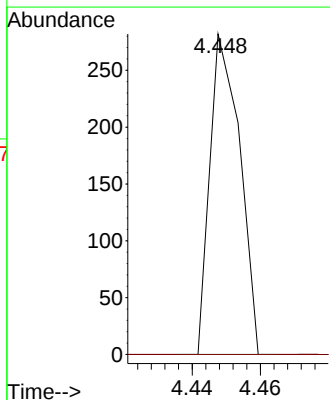
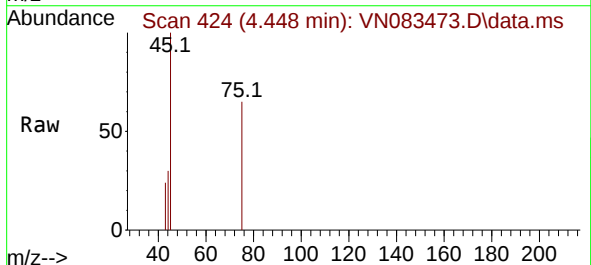


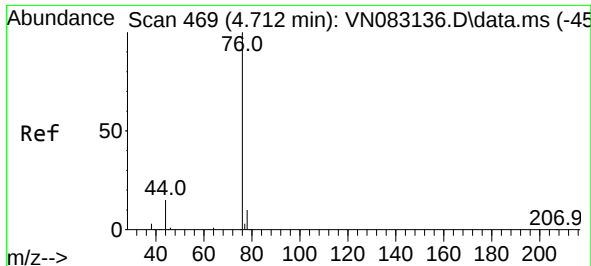
Tgt Ion: 59 Resp: 1900  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#



#16  
Acetone  
Concen: 0.253 ug/l  
RT: 4.448 min Scan# 424  
Delta R.T. 0.018 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

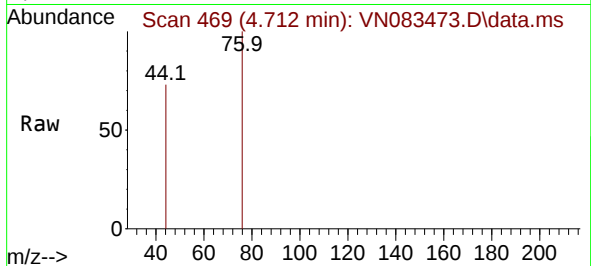
Tgt Ion: 43 Resp: 172  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.8 32.6#



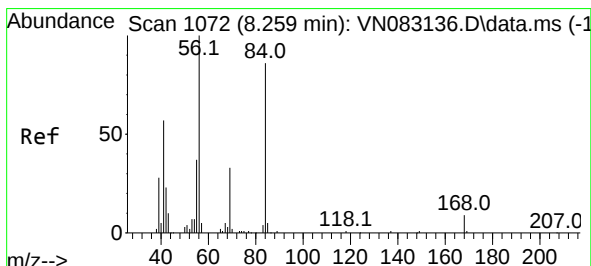
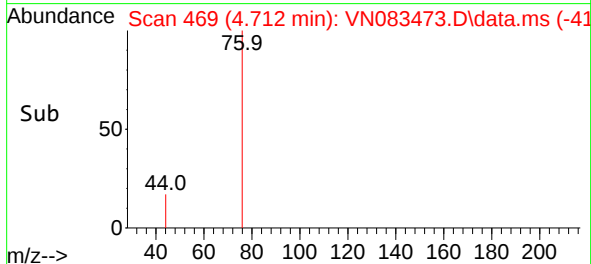
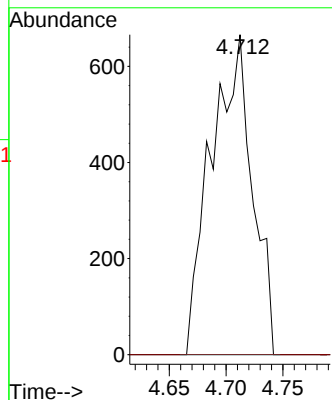


#17  
Carbon Disulfide  
Concen: 0.423 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

Instrument :  
MSVOA\_N  
ClientSampleId :

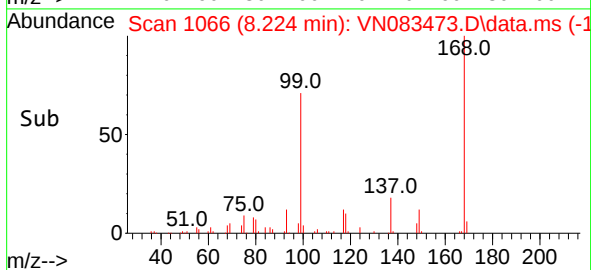
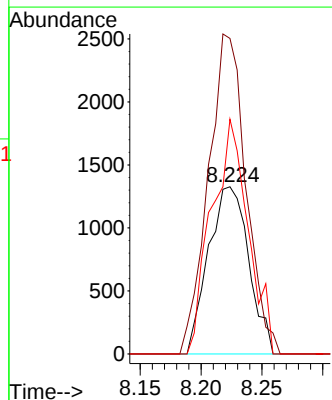
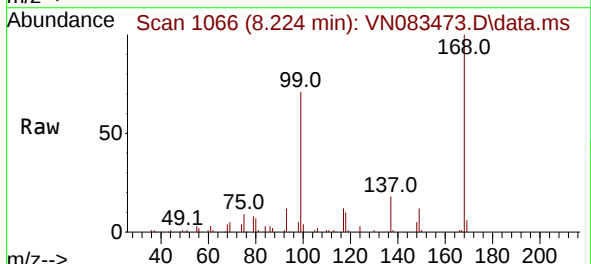


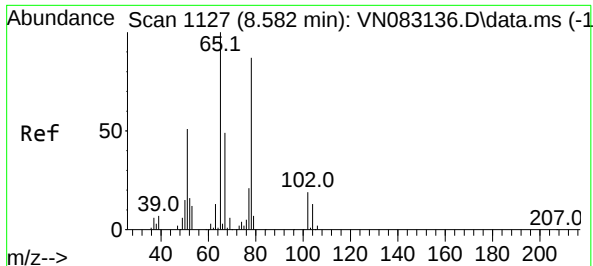
Tgt Ion: 76 Resp: 1677  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#31  
Cyclohexane  
Concen: 1.185 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

Tgt Ion: 56 Resp: 3053  
Ion Ratio Lower Upper  
56 100  
69 188.6 24.5 36.7#  
84 140.3 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 57.227 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083473.D

Acq: 26 Aug 2024 11:33

Instrument :

MSVOA\_N

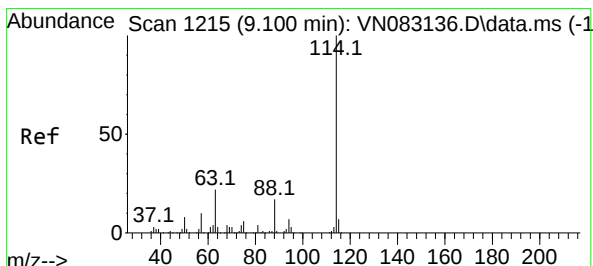
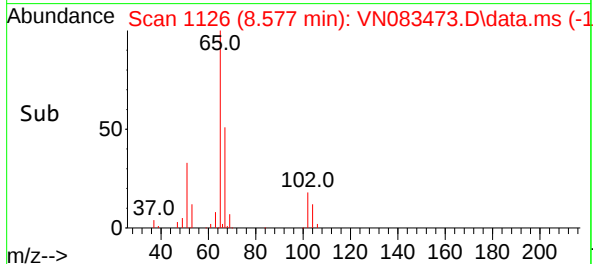
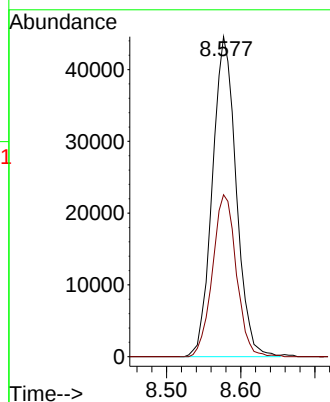
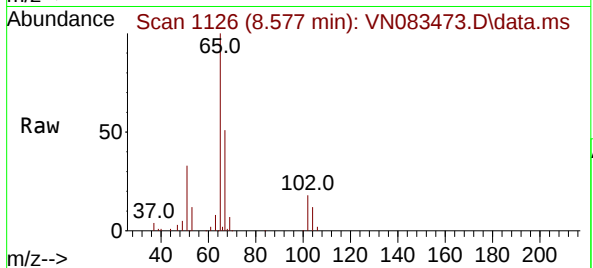
ClientSampleId :

Tgt Ion: 65 Resp: 99485

Ion Ratio Lower Upper

65 100

67 50.7 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: VN083473.D

Acq: 26 Aug 2024 11:33

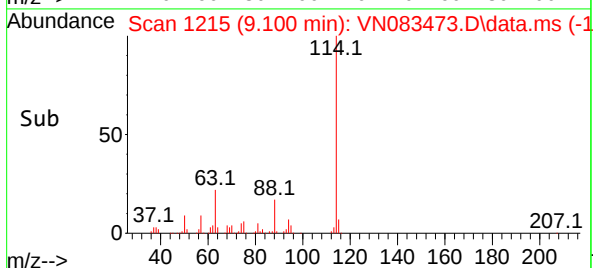
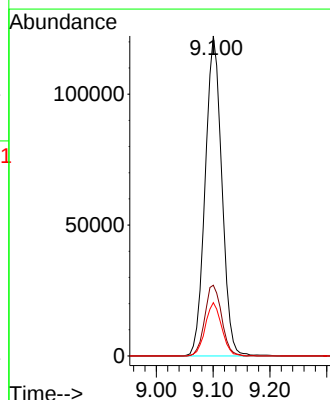
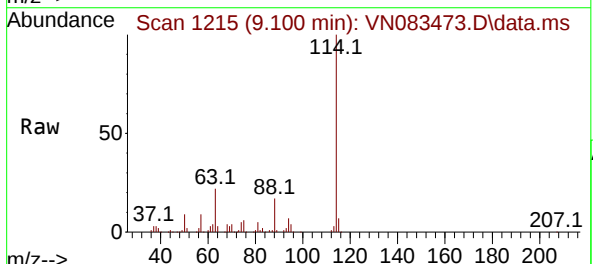
Tgt Ion: 114 Resp: 248168

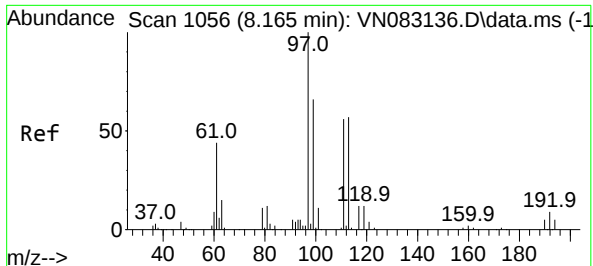
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.831 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083473.D

Acq: 26 Aug 2024 11:33

Instrument :

MSVOA\_N

ClientSampleId :

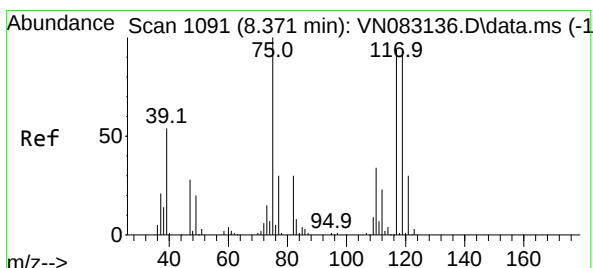
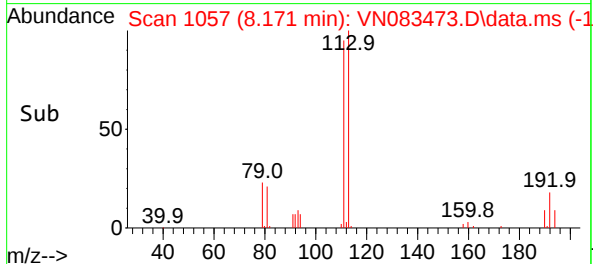
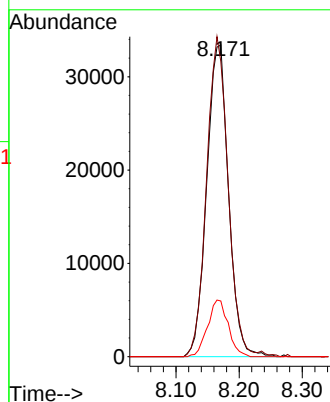
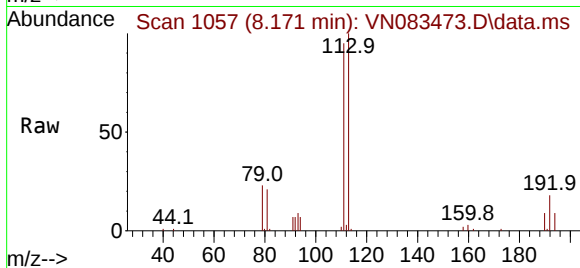
Tgt Ion:113 Resp: 80287

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

192 17.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.694 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083473.D

Acq: 26 Aug 2024 11:33

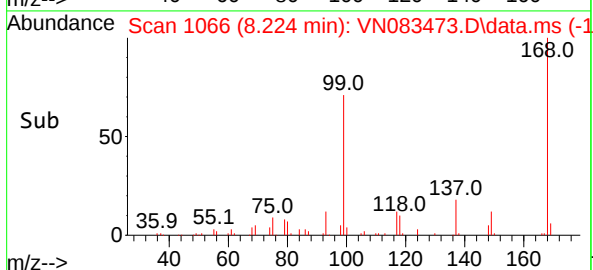
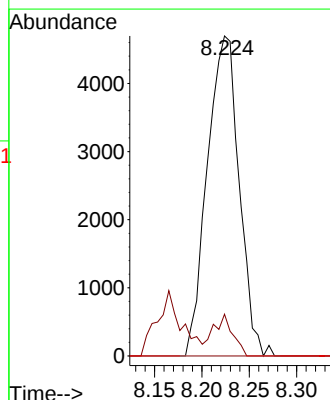
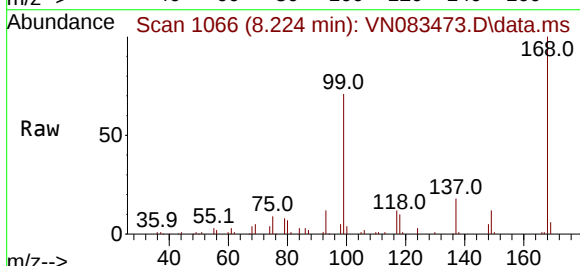
Tgt Ion: 75 Resp: 10998

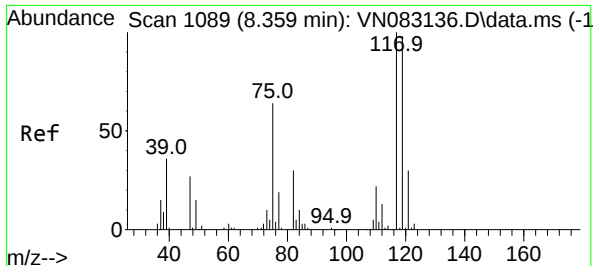
Ion Ratio Lower Upper

75 100

110 8.0 16.3 48.9#

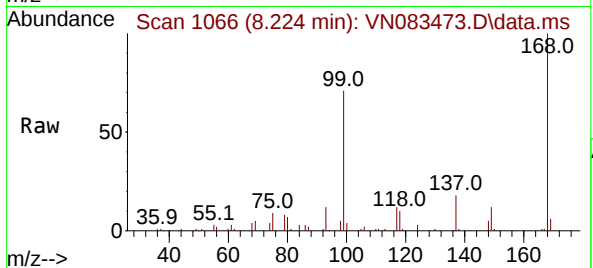
77 0.0 24.6 37.0#



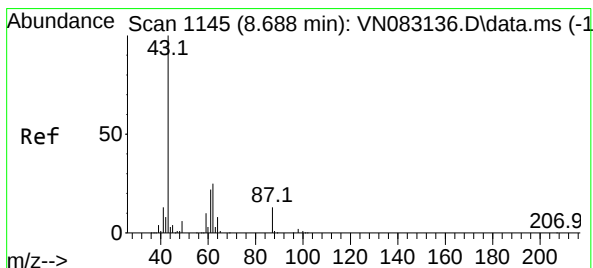
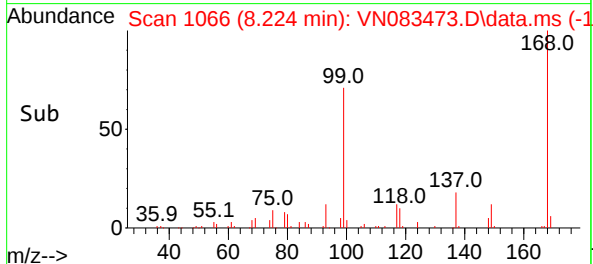
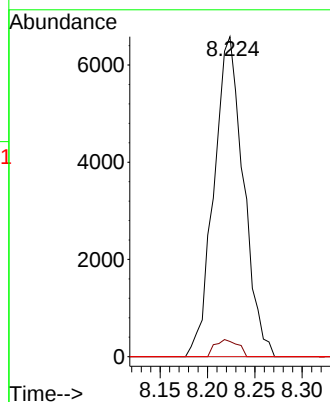


#38  
Carbon Tetrachloride  
Concen: 5.420 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.135 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

Instrument :  
MSVOA\_N  
ClientSampleId :

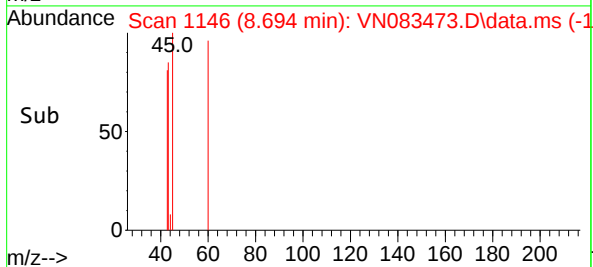
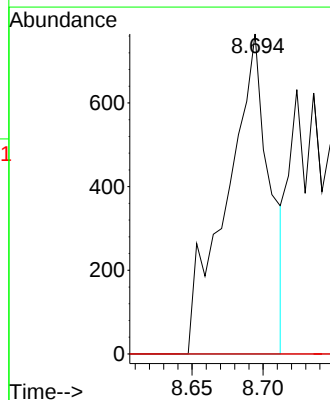
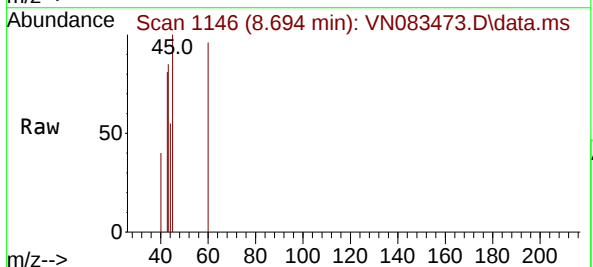


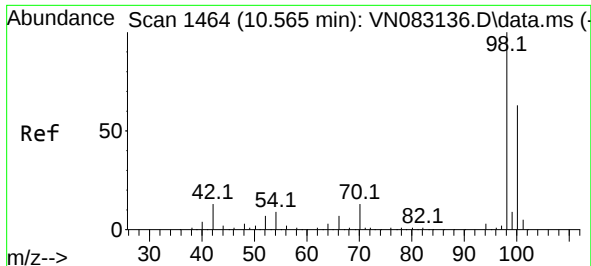
Tgt Ion:117 Resp: 14304  
Ion Ratio Lower Upper  
117 100  
119 4.7 74.9 112.3#  
121 0.0 24.3 36.5#



#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

Tgt Ion: 43 Resp: 1608  
Ion Ratio Lower Upper  
43 100  
61 0.0 17.8 26.6#  
87 0.0 8.2 12.2#

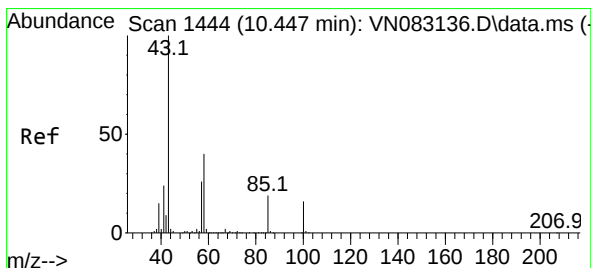
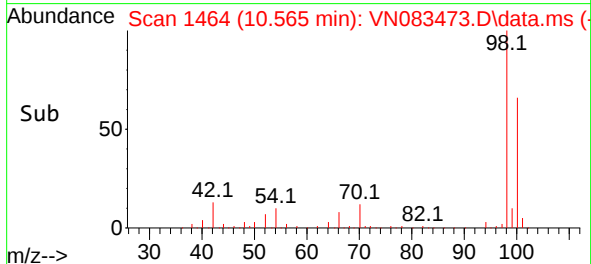
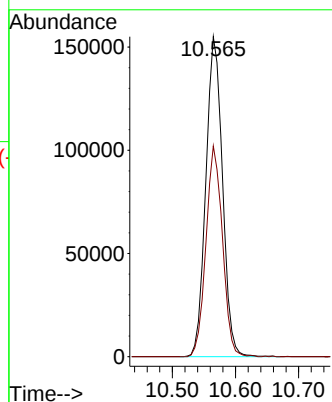
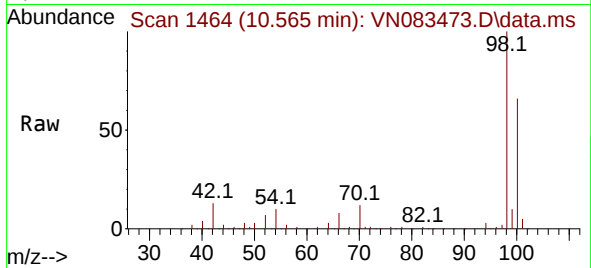




#50  
Toluene-d8  
Concen: 49.038 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

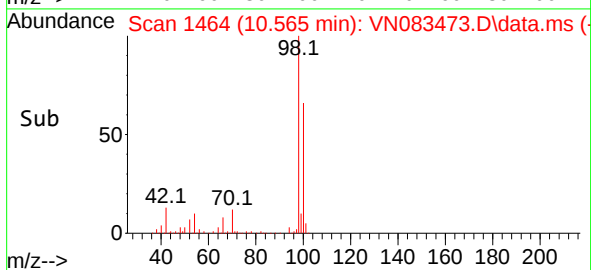
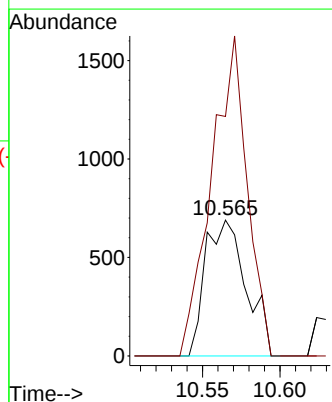
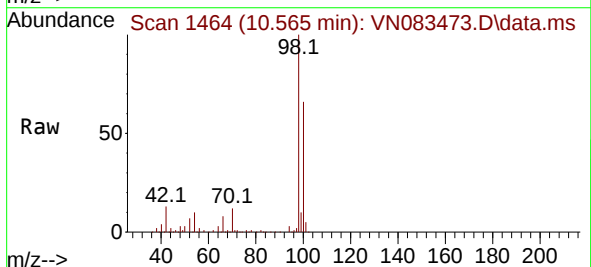
Instrument :  
MSVOA\_N  
ClientSampleId :

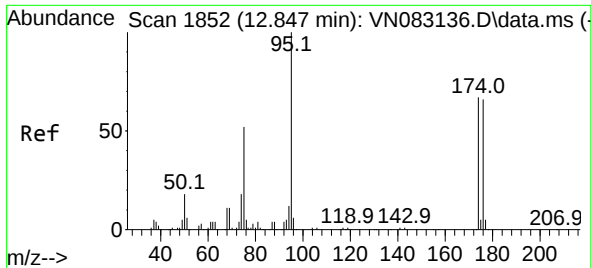
Tgt Ion: 98 Resp: 283352  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.508 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.118 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

Tgt Ion: 43 Resp: 1260  
Ion Ratio Lower Upper  
43 100  
58 206.9 28.2 42.4#

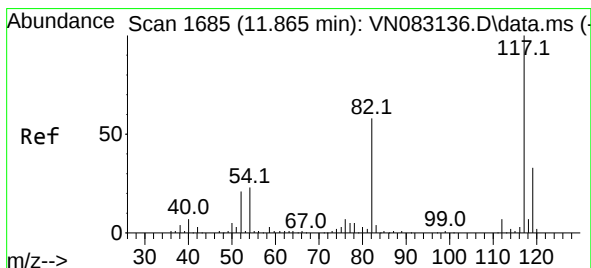
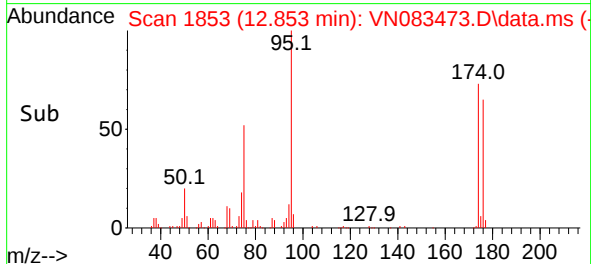
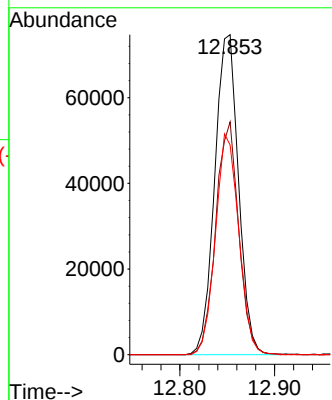
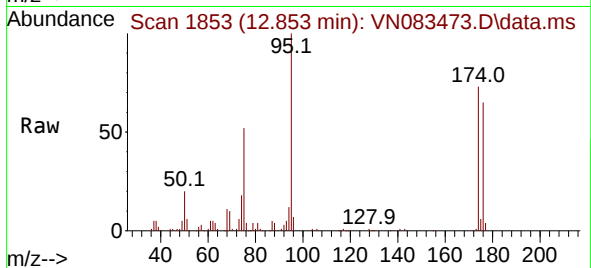




#62  
4-Bromofluorobenzene  
Concen: 57.795 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

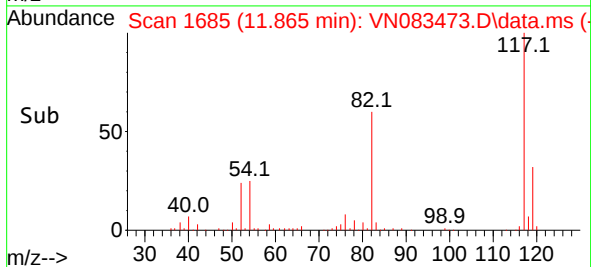
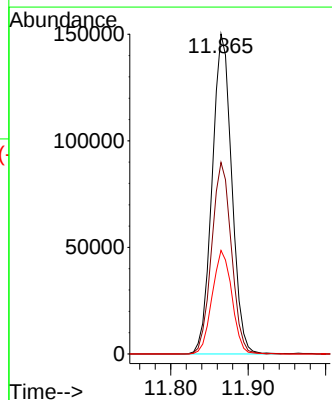
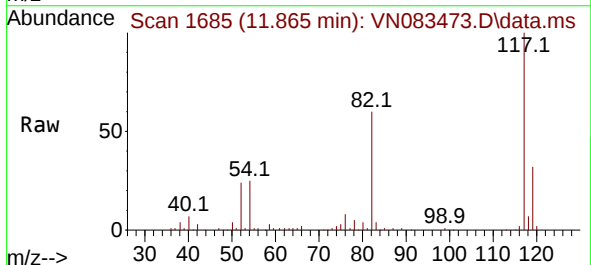
Instrument :  
MSVOA\_N  
ClientSampleId :

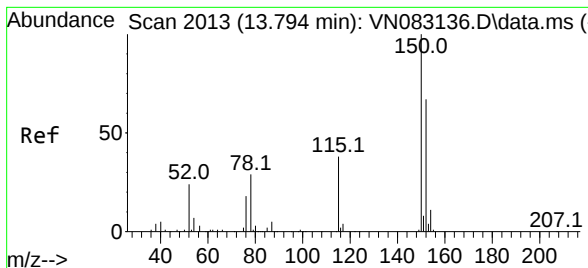
Tgt Ion: 95 Resp: 130193  
Ion Ratio Lower Upper  
95 100  
174 70.5 0.0 159.2  
176 67.8 0.0 147.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN083473.D  
Acq: 26 Aug 2024 11:33

Tgt Ion: 117 Resp: 263866  
Ion Ratio Lower Upper  
117 100  
82 59.9 47.5 71.3  
119 32.4 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

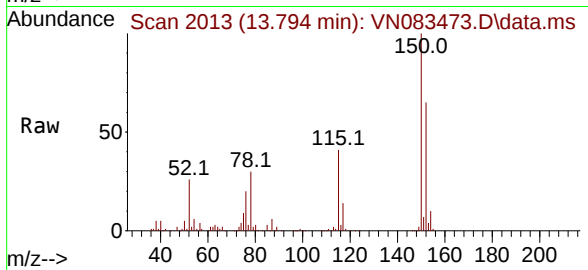
Lab File: VN083473.D

Acq: 26 Aug 2024 11:33

Instrument :

MSVOA\_N

ClientSampleId :



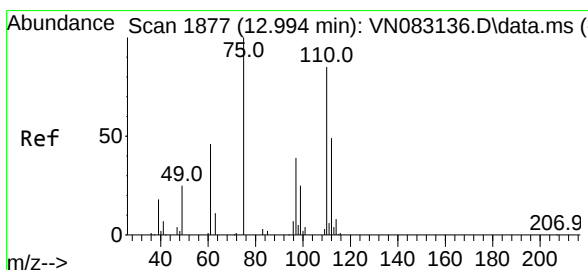
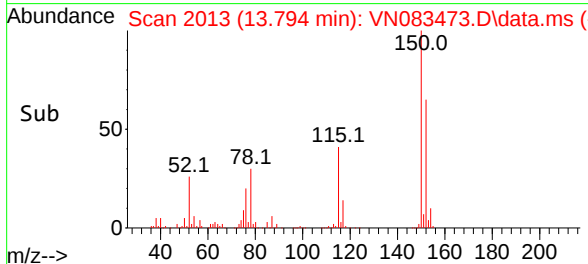
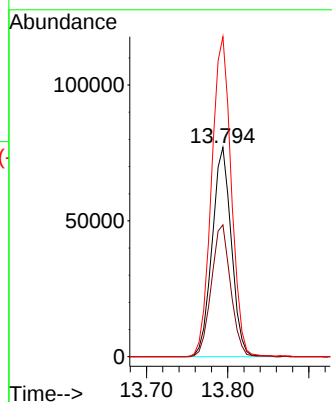
Tgt Ion:152 Resp: 126736

Ion Ratio Lower Upper

152 100

115 63.3 30.6 91.6

150 156.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 25.606 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083473.D

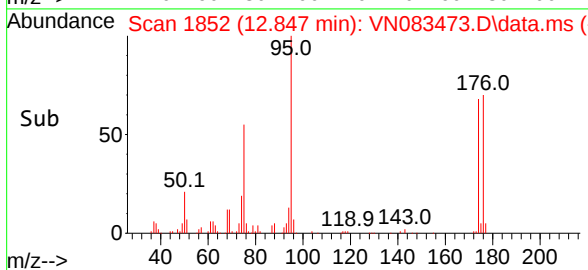
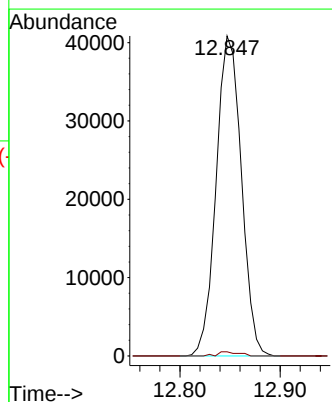
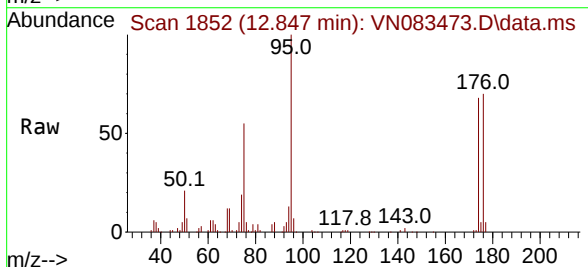
Acq: 26 Aug 2024 11:33

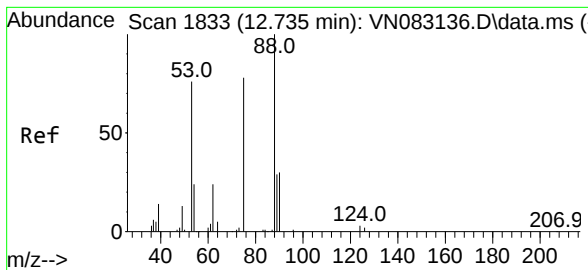
Tgt Ion: 75 Resp: 71223

Ion Ratio Lower Upper

75 100

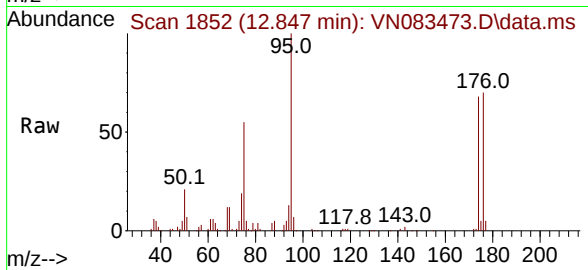
77 1.1 110.9 332.6#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 55.698 ug/l  
 RT: 12.847 min Scan# 11  
 Delta R.T. 0.112 min  
 Lab File: VN083473.D  
 Acq: 26 Aug 2024 11:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 88.4  | 132.6# |
| 89      | 0.0   | 36.3  | 54.5#  |

