

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082624\  
 Data File : VN083479.D  
 Acq On : 26 Aug 2024 14:07  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 27 01:55:58 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

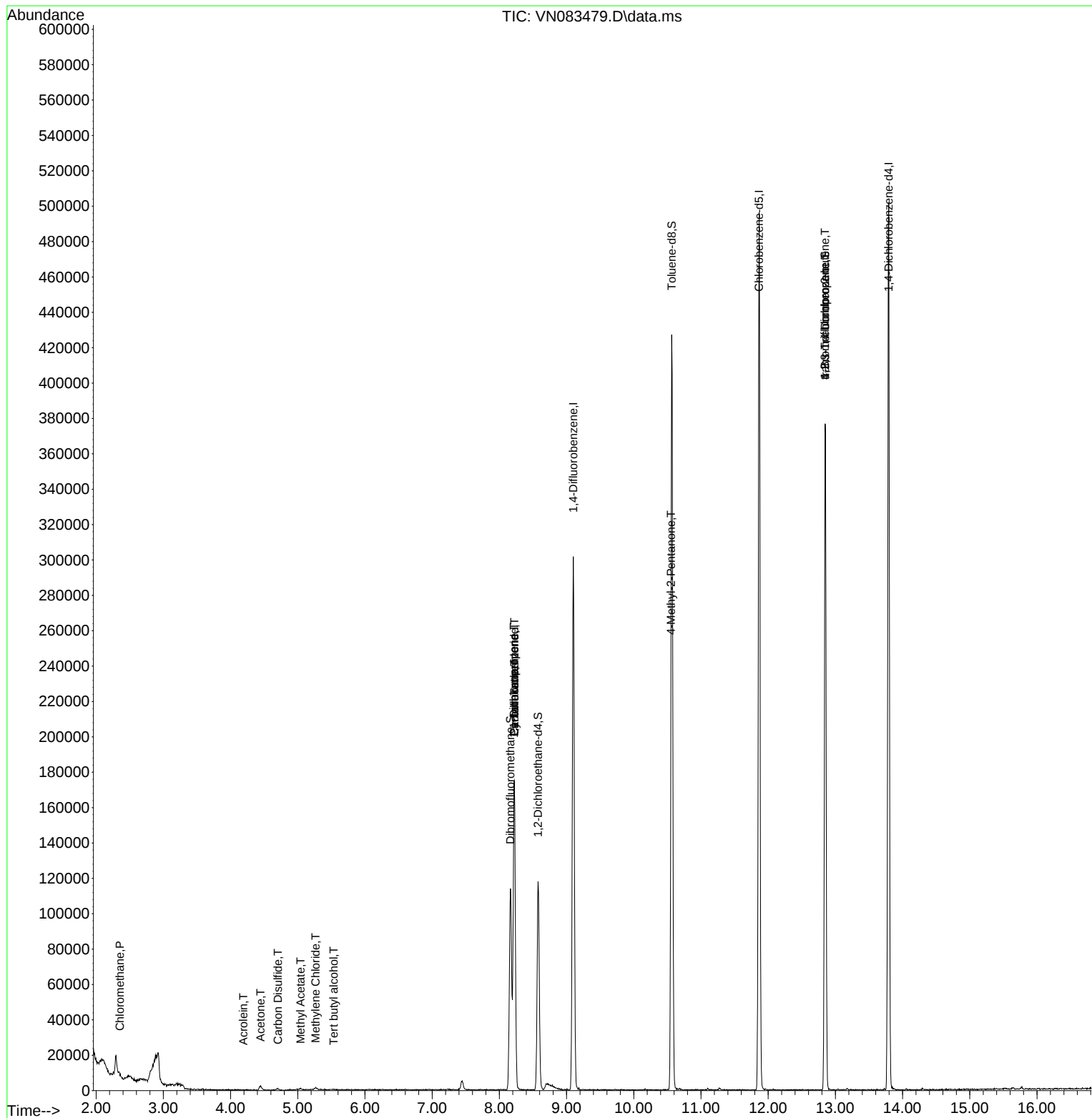
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 121520              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 248984              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 270157              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 129868              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577          | 65   | 102653              | 59.347    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 118.700% |           |        |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 80928               | 52.074    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 104.140% |           |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 290380              | 50.090    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 100.180% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 133758              | 59.183    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 118.360% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 3) Chloromethane              | 2.353          | 50   | 514                 | 0.364     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 5.536          | 59   | 125                 | 0.348     | ug/l # | 71       |
| 13) Acrolein                  | 4.189          | 56   | 71                  | 0.303     | ug/l # | 14       |
| 16) Acetone                   | 4.447          | 43   | 320                 | 0.473     | ug/l # | 48       |
| 17) Carbon Disulfide          | 4.706          | 76   | 1430                | 0.363     | ug/l # | 75       |
| 18) Methyl Acetate            | 5.041          | 43   | 1364                | 0.676     | ug/l # | 64       |
| 20) Methylene Chloride        | 5.265          | 84   | 902                 | 0.579     | ug/l # | 61       |
| 31) Cyclohexane               | 8.224          | 56   | 3121                | 1.218     | ug/l # | 24       |
| 36) 1,1-Dichloropropene       | 8.218          | 75   | 11673               | 4.965     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.224          | 117  | 14036               | 5.301     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.712          | 43   | 3310                | Below Cal | #      | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.553         | 43   | 1413                | 0.568     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 74854               | 26.262    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 74854               | 57.126    | ug/l # | 6        |
| -----                         |                |      |                     |           |        |          |

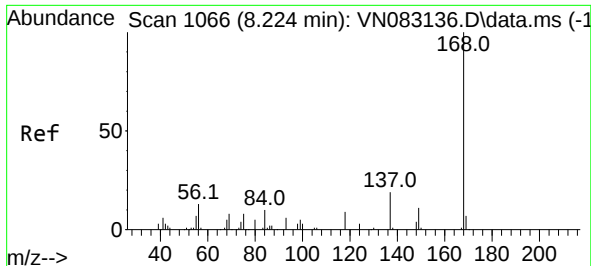
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :

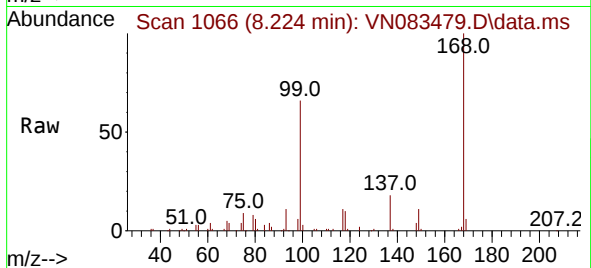
Quant Time: Aug 27 01:55:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
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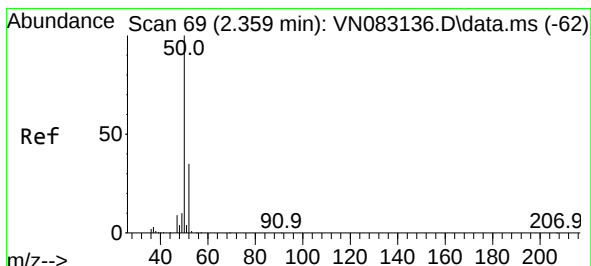
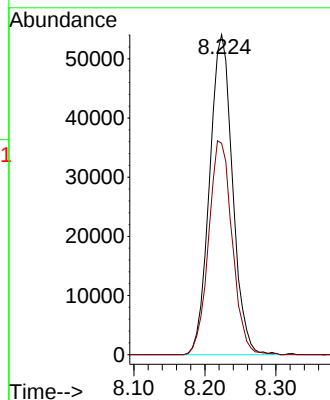
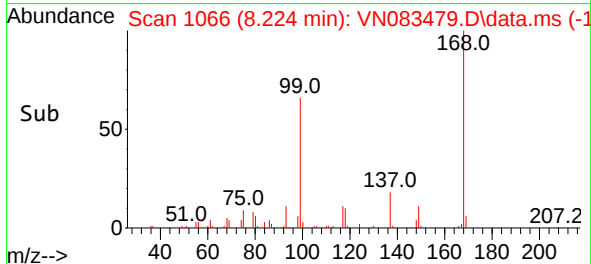


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :

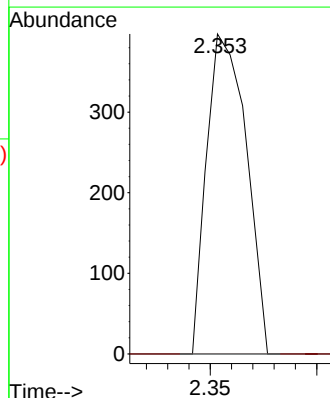
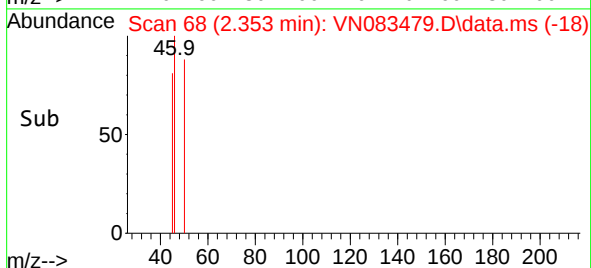
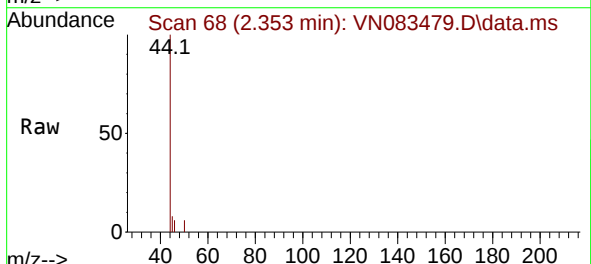


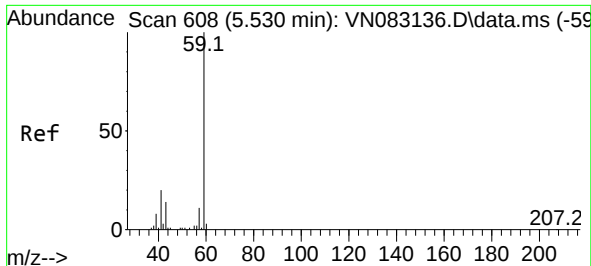
Tgt Ion:168 Resp: 121520  
Ion Ratio Lower Upper  
168 100  
99 66.1 48.2 72.4



#3  
Chloromethane  
Concen: 0.364 ug/l  
RT: 2.353 min Scan# 68  
Delta R.T. -0.006 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

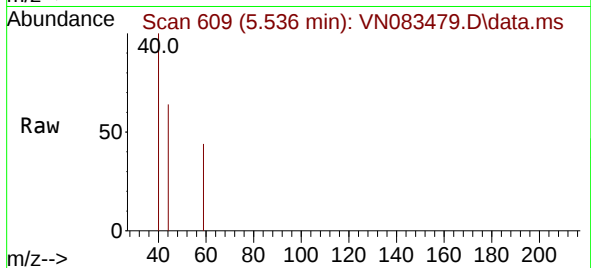
Tgt Ion: 50 Resp: 514  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#



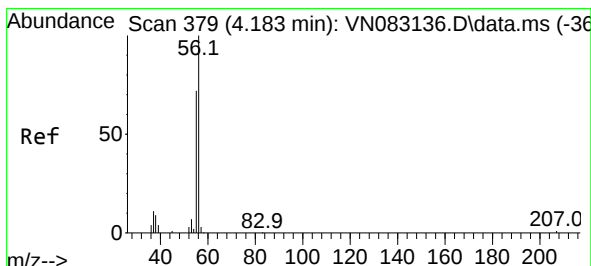
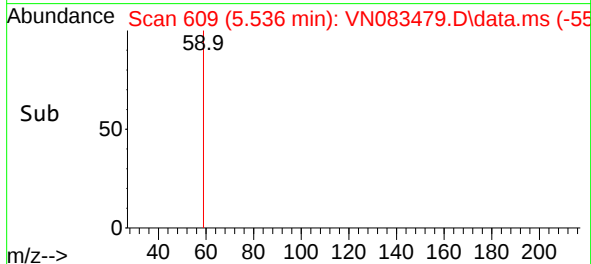
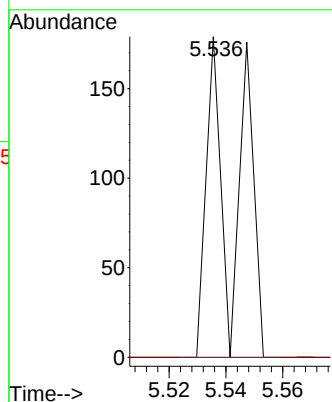


#11  
Tert butyl alcohol  
Concen: 0.348 ug/l  
RT: 5.536 min Scan# 608  
Delta R.T. 0.006 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

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ClientSampleId :

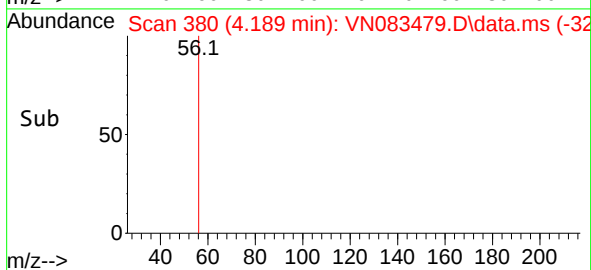
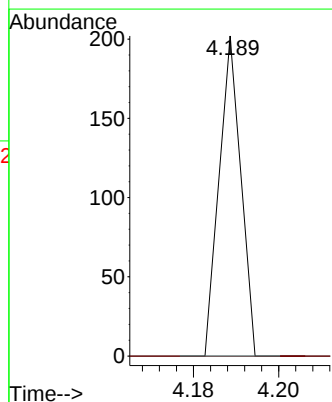
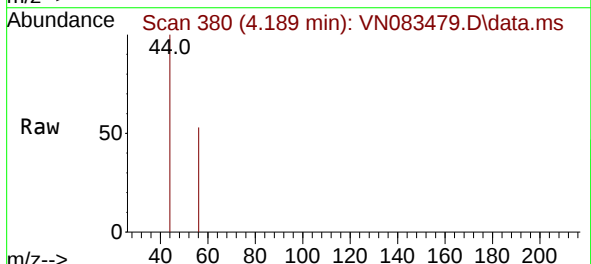


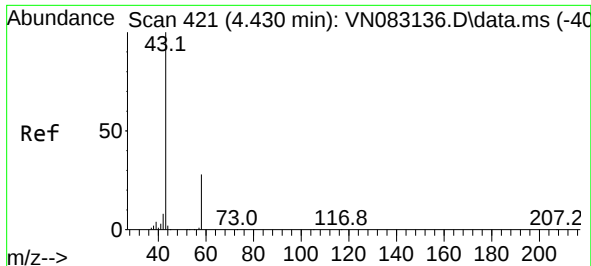
Tgt Ion: 59 Resp: 125  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#



#13  
Acrolein  
Concen: 0.303 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. 0.006 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Tgt Ion: 56 Resp: 71  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#

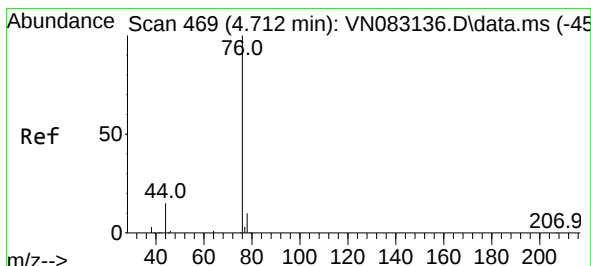
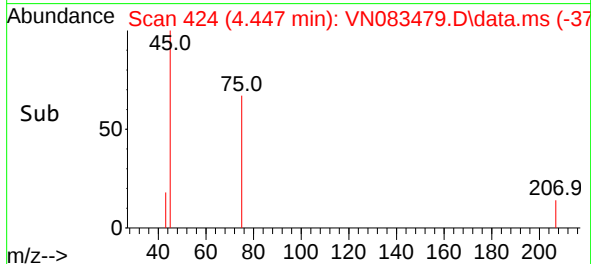
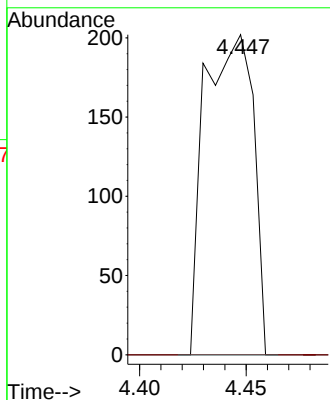
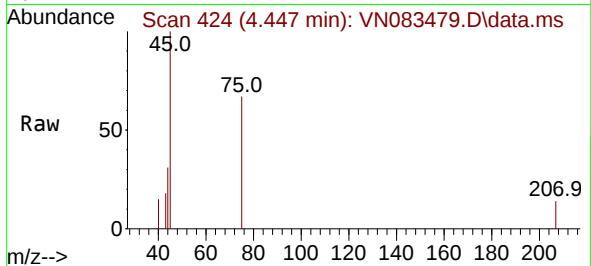




#16  
Acetone  
Concen: 0.473 ug/l  
RT: 4.447 min Scan# 41  
Delta R.T. 0.018 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

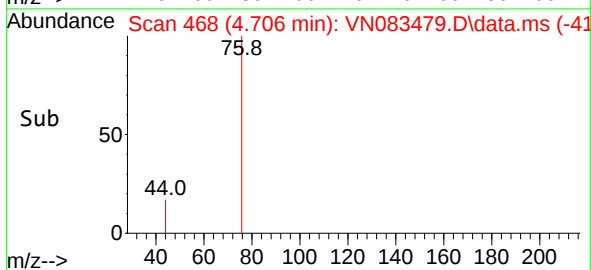
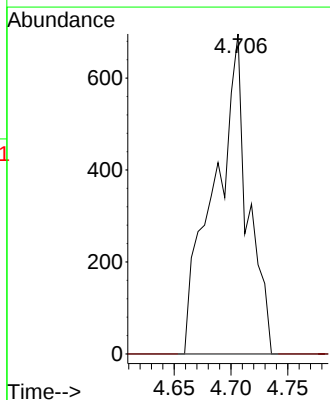
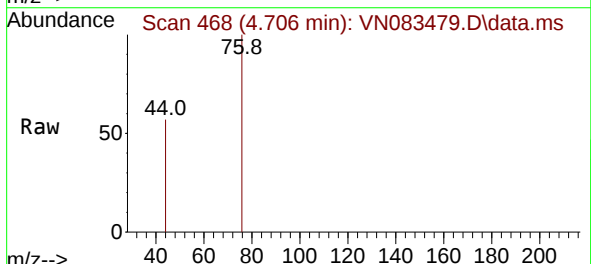
Instrument :  
MSVOA\_N  
ClientSampleId :

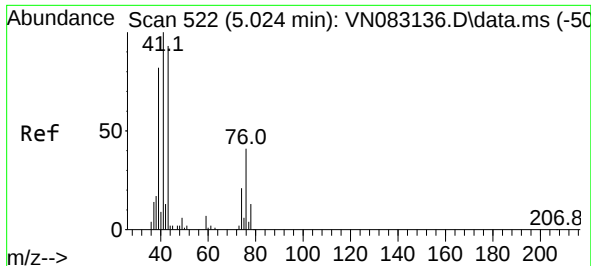
Tgt Ion: 43 Resp: 320  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.8 32.6#



#17  
Carbon Disulfide  
Concen: 0.363 ug/l  
RT: 4.706 min Scan# 468  
Delta R.T. -0.006 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

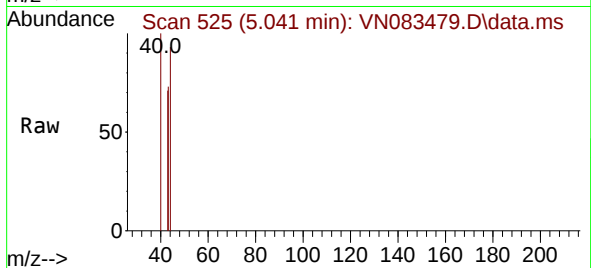
Tgt Ion: 76 Resp: 1430  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



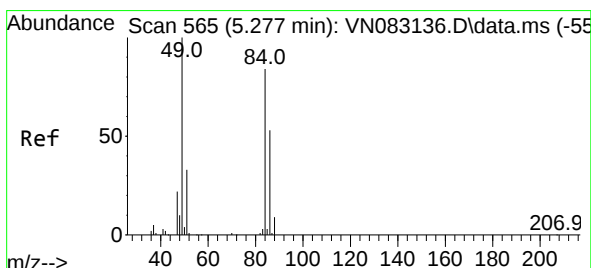
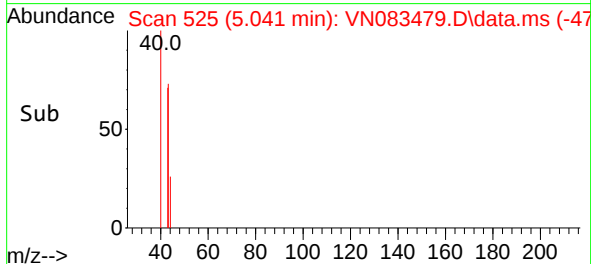
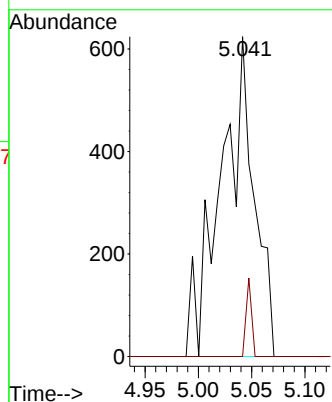


#18  
Methyl Acetate  
Concen: 0.676 ug/l  
RT: 5.041 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :

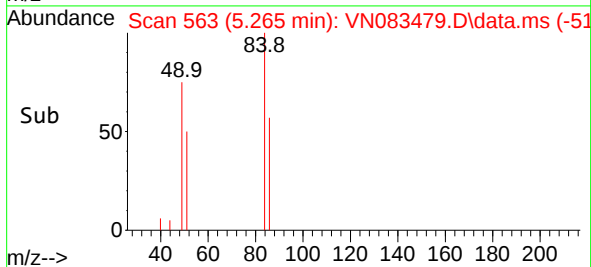
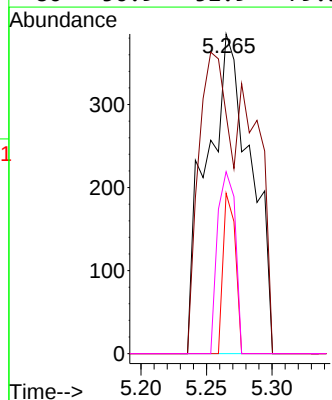
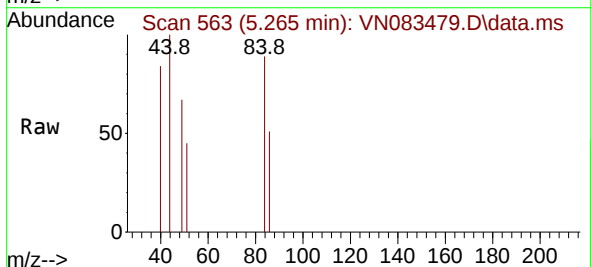


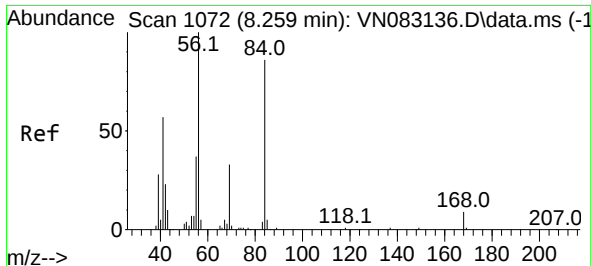
Tgt Ion: 43 Resp: 1364  
Ion Ratio Lower Upper  
43 100  
74 4.0 16.3 24.5#



#20  
Methylene Chloride  
Concen: 0.579 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. -0.012 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

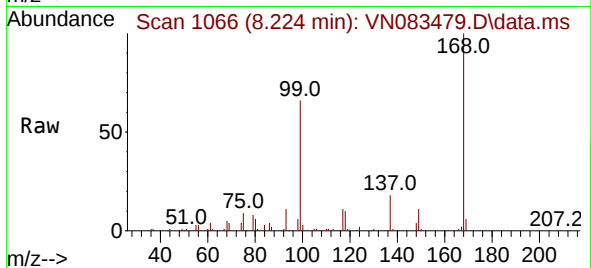
Tgt Ion: 84 Resp: 902  
Ion Ratio Lower Upper  
84 100  
49 74.8 119.6 179.4#  
51 50.1 34.8 52.2  
86 56.9 52.9 79.3



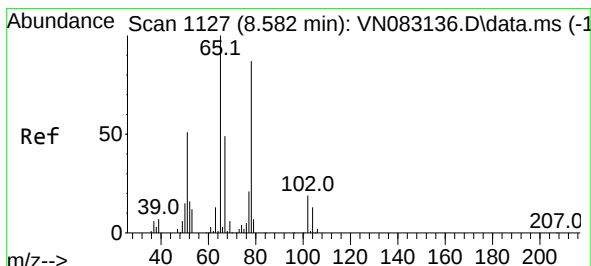
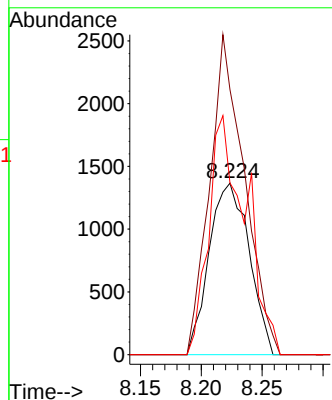
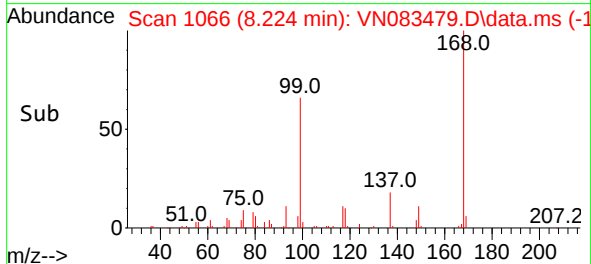


#31  
Cyclohexane  
Concen: 1.218 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Instrument :  
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ClientSampleId :

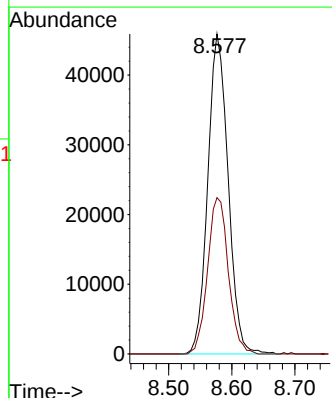
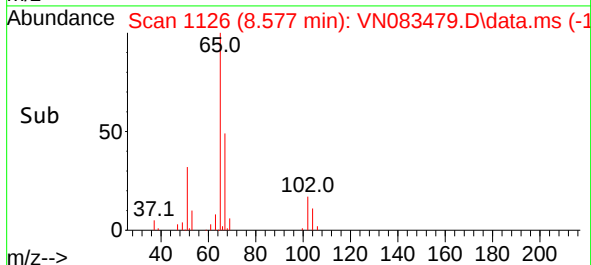
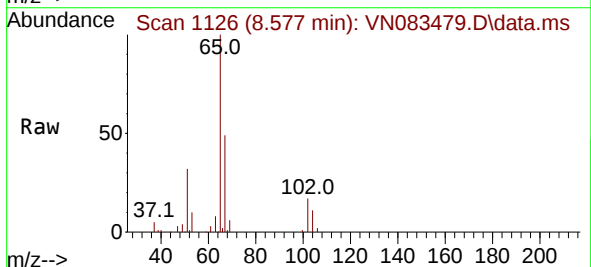


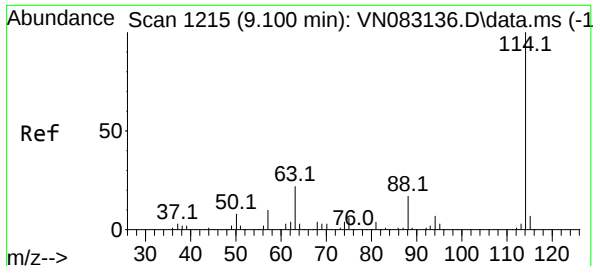
Tgt Ion: 56 Resp: 3121  
Ion Ratio Lower Upper  
56 100  
69 154.5 24.5 36.7#  
84 100.1 66.0 99.0#



#33  
1,2-Dichloroethane-d4  
Concen: 59.347 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.005 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Tgt Ion: 65 Resp: 102653  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083479.D

Acq: 26 Aug 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

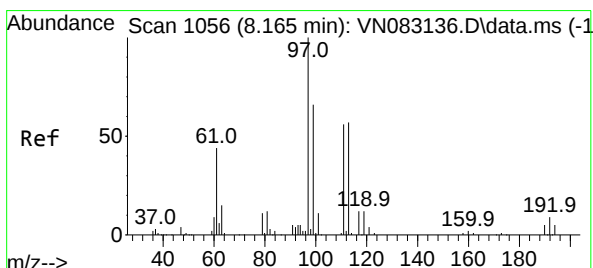
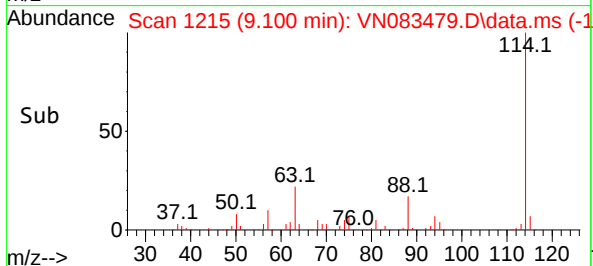
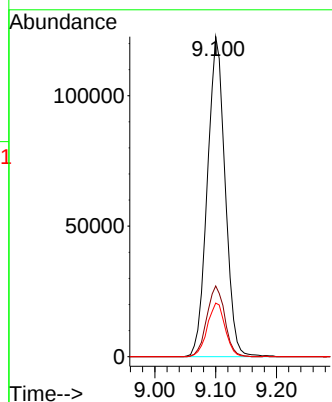
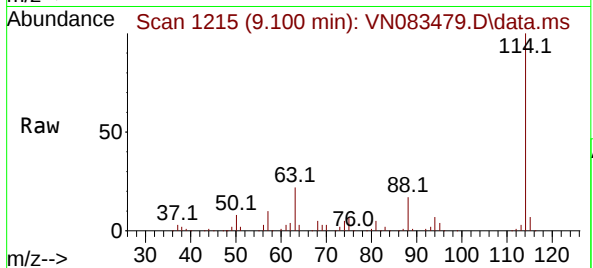
Tgt Ion:114 Resp: 248984

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 16.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.074 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083479.D

Acq: 26 Aug 2024 14:07

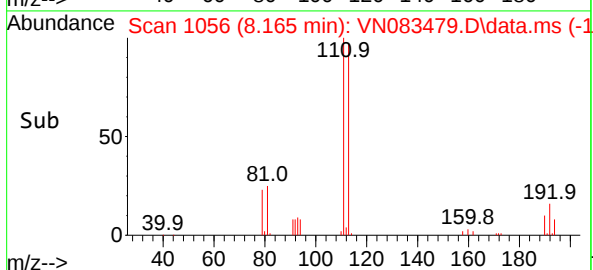
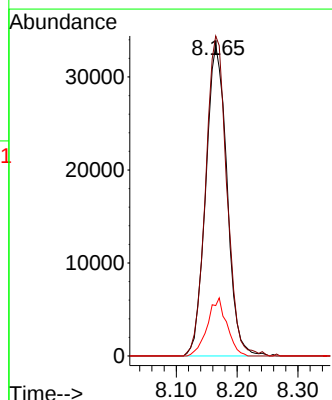
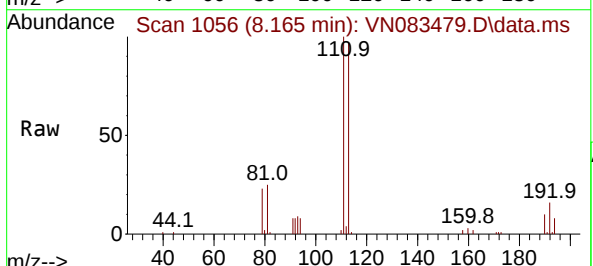
Tgt Ion:113 Resp: 80928

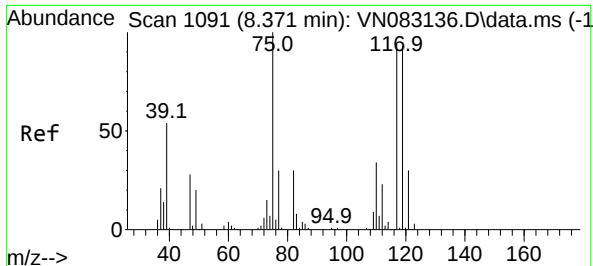
Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 17.2 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

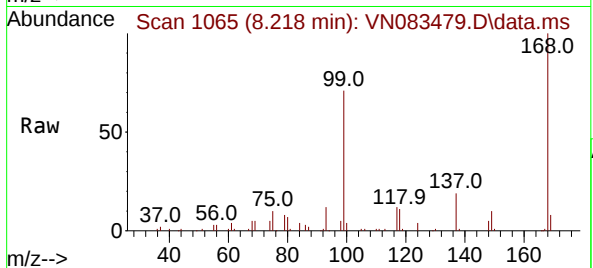
Lab File: VN083479.D

Acq: 26 Aug 2024 14:07

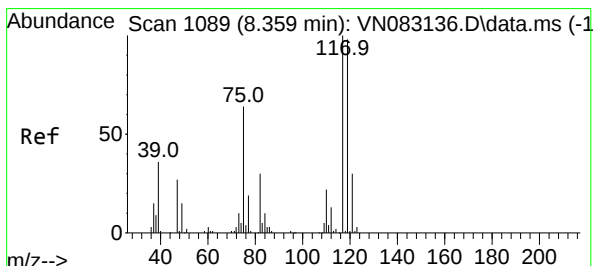
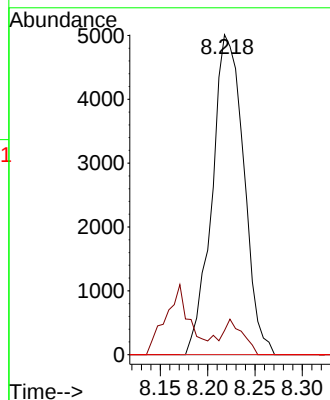
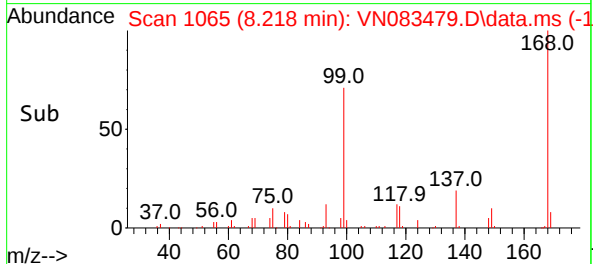
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 11673 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 8.0   | 16.3  | 48.9# |
| 77        | 0.0   | 24.6  | 37.0# |



#38

Carbon Tetrachloride

Concen: 5.301 ug/l

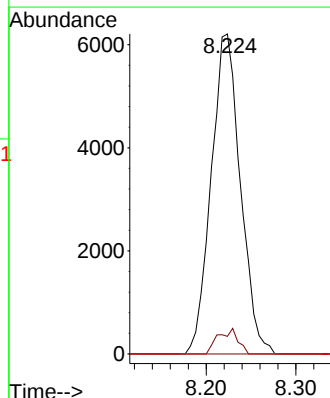
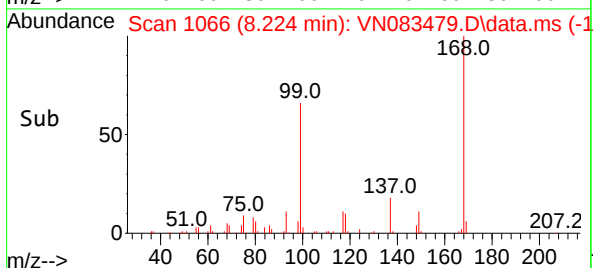
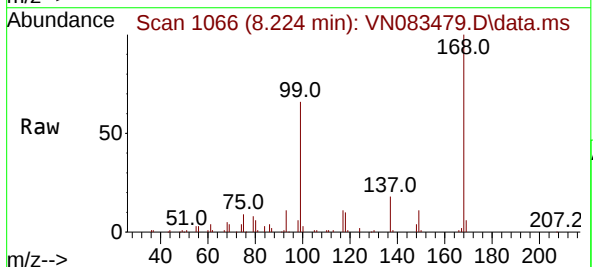
RT: 8.224 min Scan# 1066

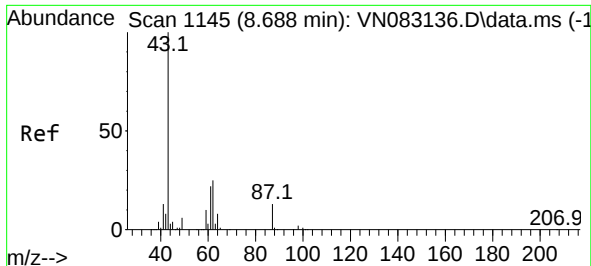
Delta R.T. -0.135 min

Lab File: VN083479.D

Acq: 26 Aug 2024 14:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 14036  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 5.5   | 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

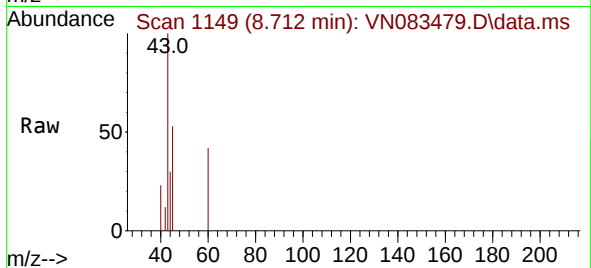
Lab File: VN083479.D

Acq: 26 Aug 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :



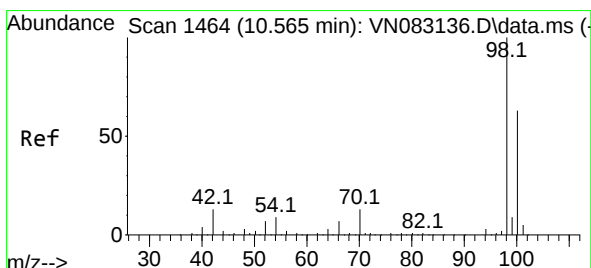
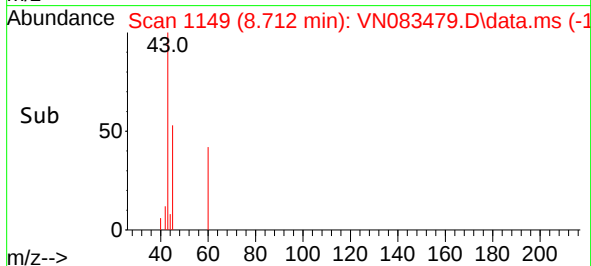
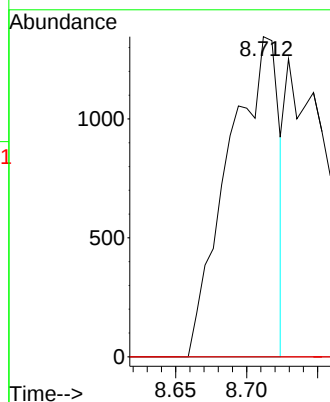
Tgt Ion: 43 Resp: 3310

Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#



#50

Toluene-d8

Concen: 50.090 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083479.D

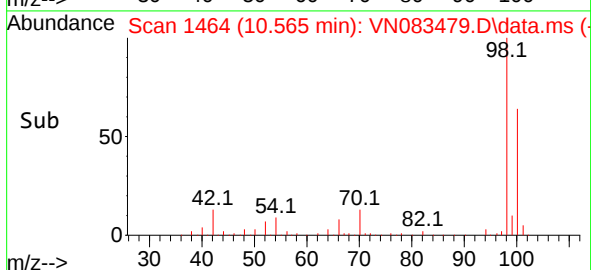
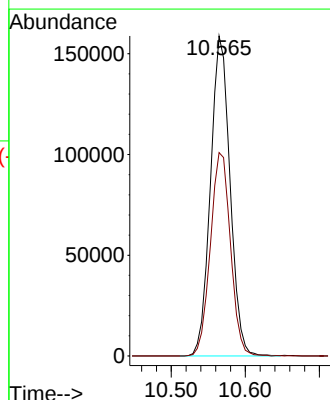
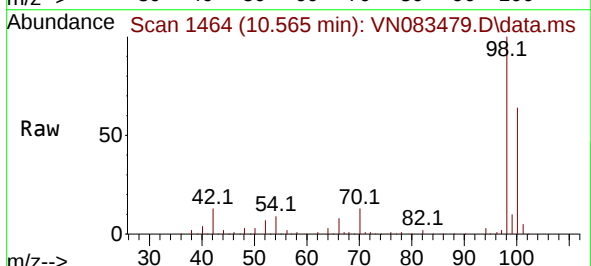
Acq: 26 Aug 2024 14:07

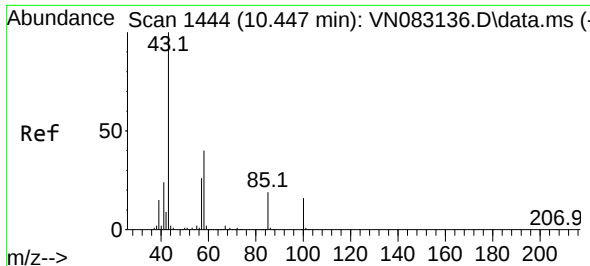
Tgt Ion: 98 Resp: 290380

Ion Ratio Lower Upper

98 100

100 65.4 51.5 77.3

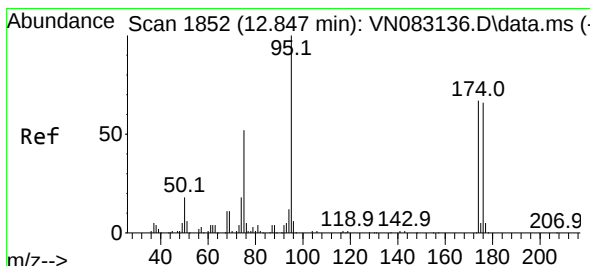
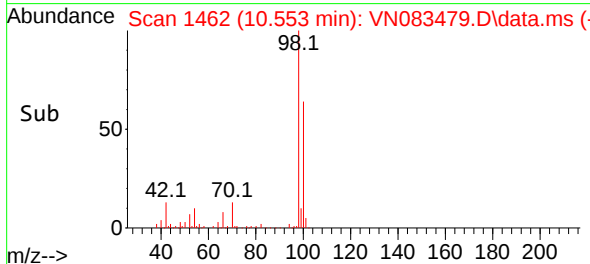
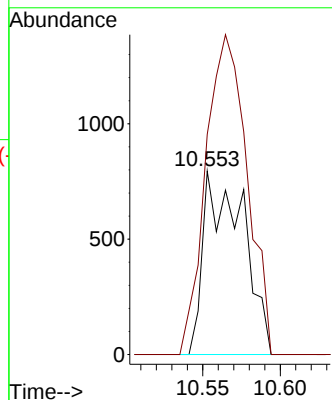
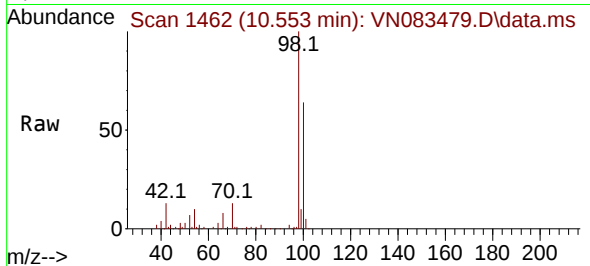




#51  
4-Methyl-2-Pentanone  
Concen: 0.568 ug/l  
RT: 10.553 min Scan# 1444  
Delta R.T. 0.106 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

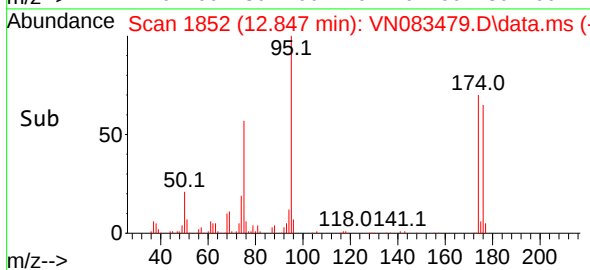
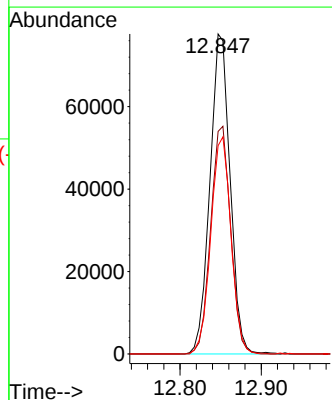
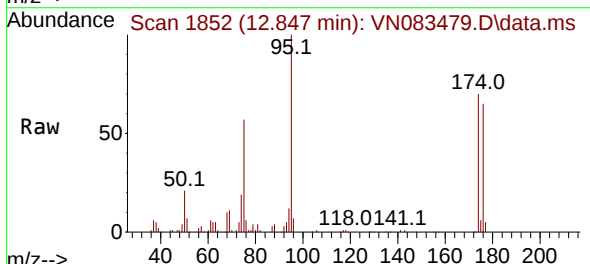
Instrument :  
MSVOA\_N  
ClientSampleId :

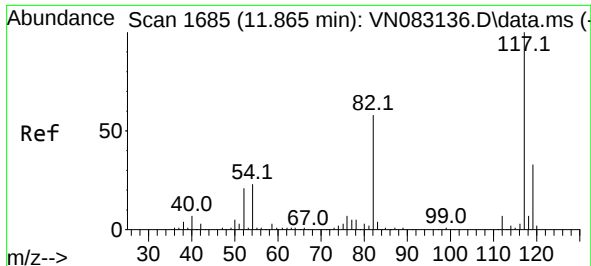
Tgt Ion: 43 Resp: 1413  
Ion Ratio Lower Upper  
43 100  
58 182.0 28.2 42.4#



#62  
4-Bromofluorobenzene  
Concen: 59.183 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Tgt Ion: 95 Resp: 133758  
Ion Ratio Lower Upper  
95 100  
174 70.8 0.0 159.2  
176 67.9 0.0 147.6

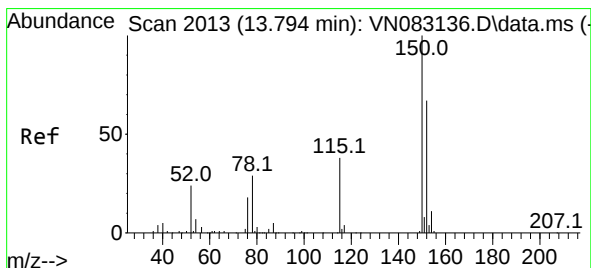
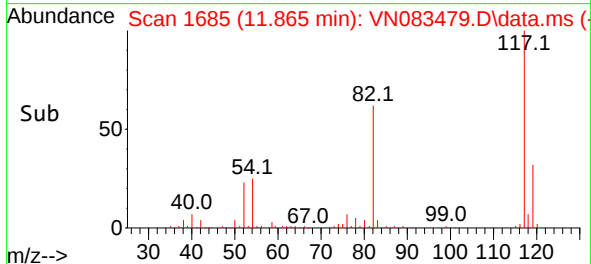
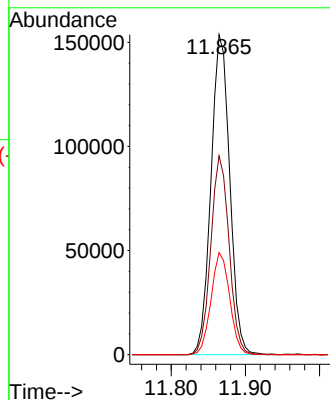
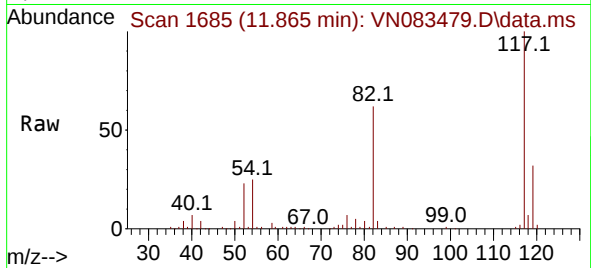




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

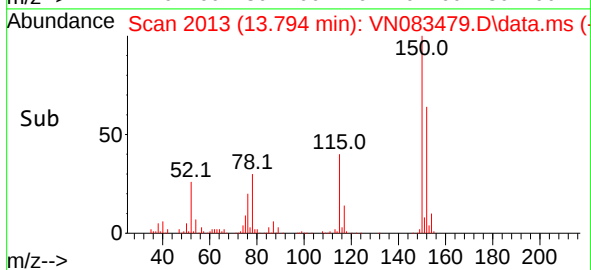
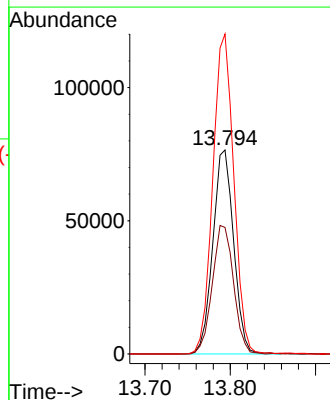
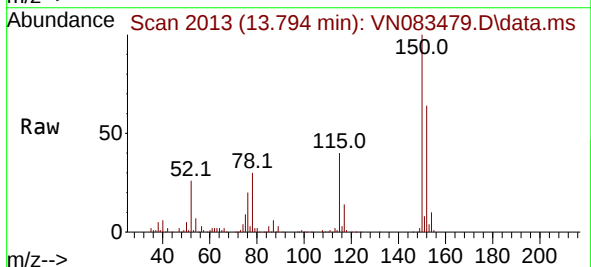
Instrument :  
MSVOA\_N  
ClientSampleId :

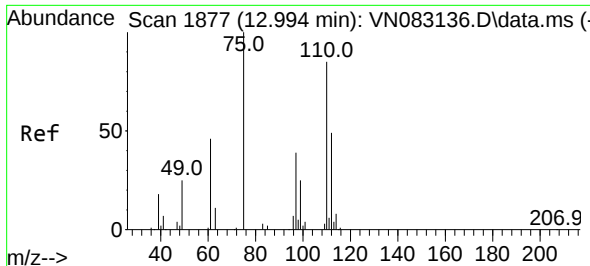
Tgt Ion:117 Resp: 270157  
Ion Ratio Lower Upper  
117 100  
82 62.2 47.5 71.3  
119 31.9 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Tgt Ion:152 Resp: 129868  
Ion Ratio Lower Upper  
152 100  
115 64.2 30.6 91.6  
150 157.8 0.0 348.6

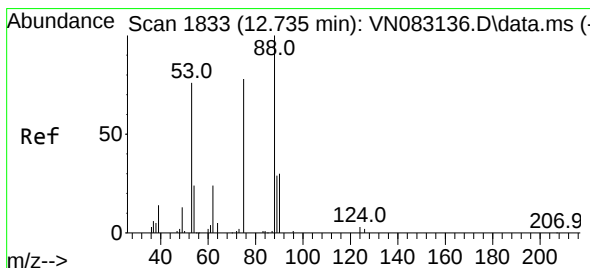
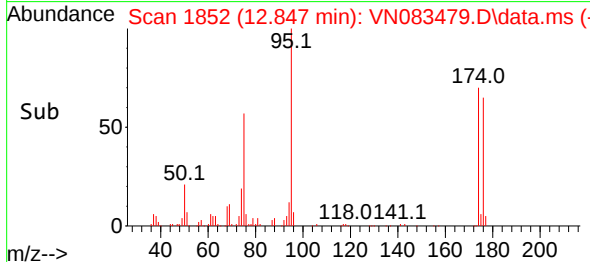
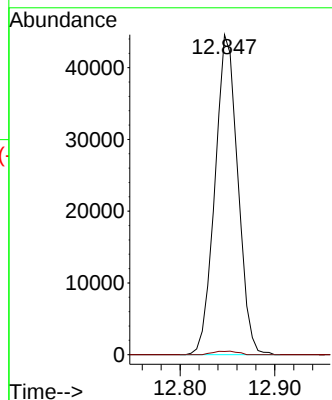
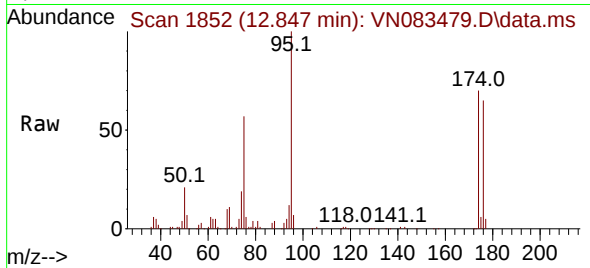




#76  
1,2,3-Trichloropropane  
Concen: 26.262 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 74854  
Ion Ratio Lower Upper  
75 100  
77 1.2 110.9 332.6#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.126 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN083479.D  
Acq: 26 Aug 2024 14:07

Tgt Ion: 75 Resp: 74854  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.4 132.6#  
89 0.0 36.3 54.5#

