

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091924\  
 Data File : VN084055.D  
 Acq On : 19 Sep 2024 23:42  
 Operator : JC\MD  
 Sample : P4116-28  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB

Quant Time: Sep 20 01:41:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 138220   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 237359   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 203560   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 81221    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 113612   | 54.512   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 109.020% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 79819    | 52.528   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 105.060% |
| 50) Toluene-d8              | 10.565 | 98    | 290202   | 55.244   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 110.480% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 98859    | 45.614   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 91.220%  |

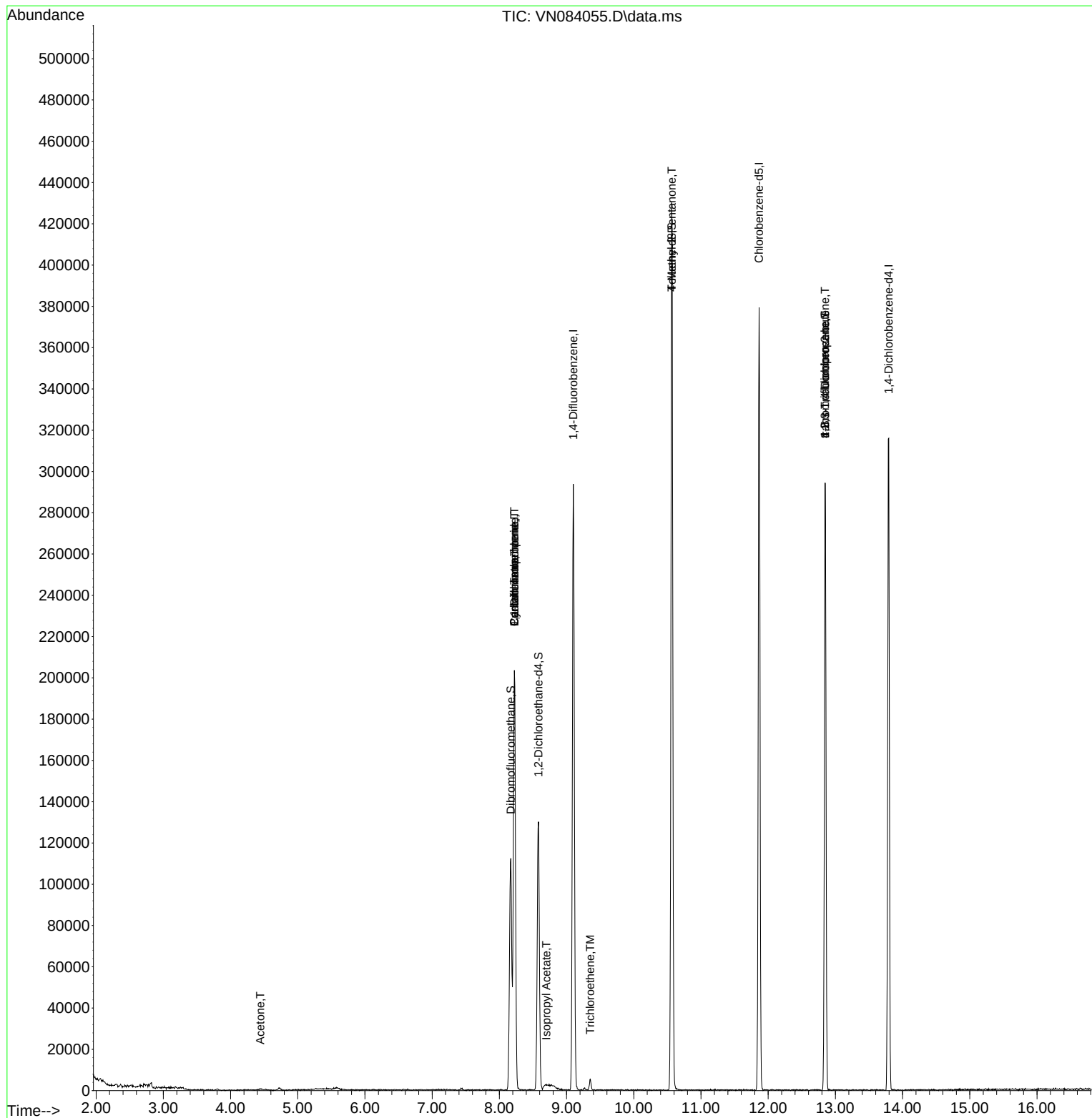
| Target Compounds              | R.T.   | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|--------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 2.365  | 50   | 1222     | Below Cal |        | 90     |
| 16) Acetone                   | 4.442  | 43   | 1136     | 1.360     | ug/l # | 45     |
| 31) Cyclohexane               | 8.224  | 56   | 3996     | 1.327     | ug/l # | 43     |
| 36) 1,1-Dichloropropene       | 8.224  | 75   | 13860    | 6.060     | ug/l # | 51     |
| 38) Carbon Tetrachloride      | 8.224  | 117  | 15984    | 6.160     | ug/l # | 18     |
| 43) Isopropyl Acetate         | 8.700  | 43   | 2926     | 0.778     | ug/l # | 57     |
| 44) Trichloroethene           | 9.353  | 130  | 1732     | 1.086     | ug/l   | 81     |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43   | 1689     | 0.825     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75   | 57132    | 34.860    | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75   | 57132    | 91.302    | ug/l # | 9      |

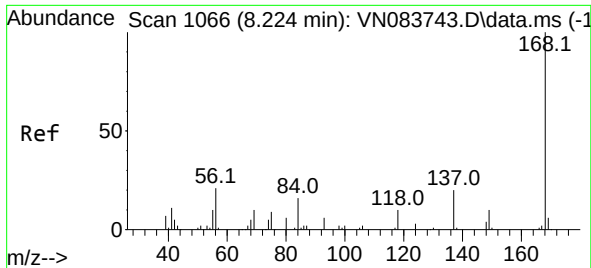
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
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TB

Quant Time: Sep 20 01:41:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration

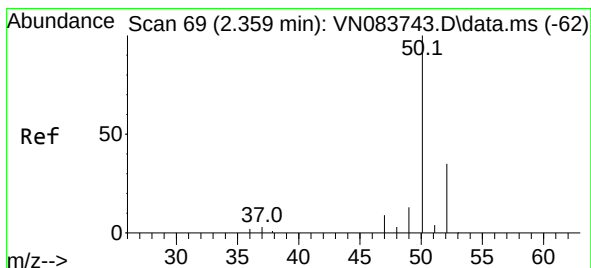
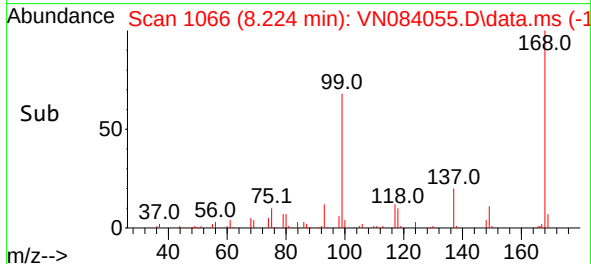
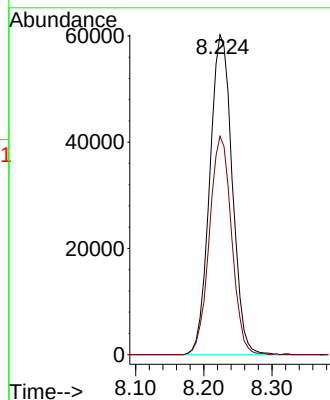
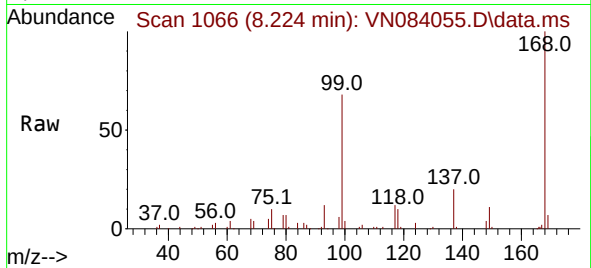




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

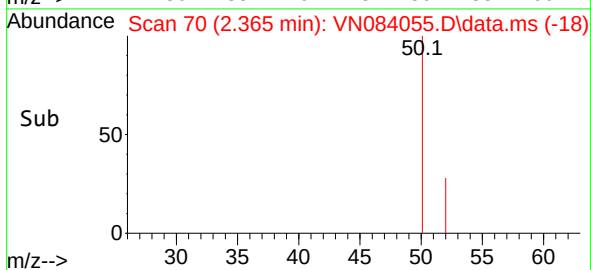
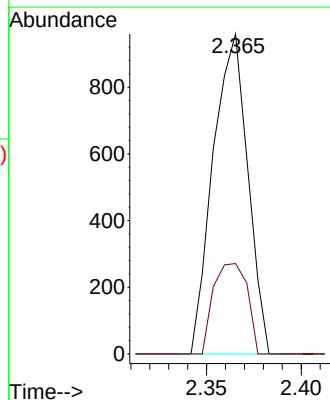
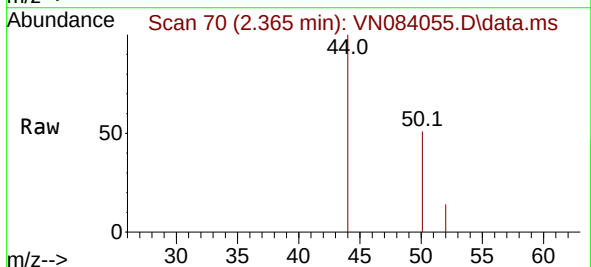
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

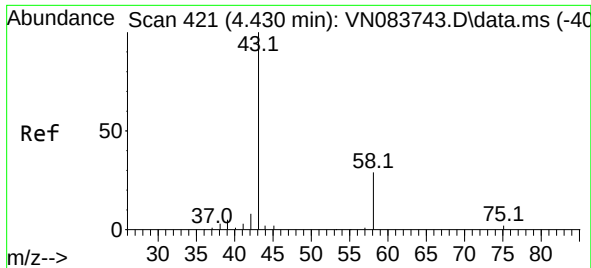
Tgt Ion:168 Resp: 138220  
Ion Ratio Lower Upper  
168 100  
99 68.3 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

Tgt Ion: 50 Resp: 1222  
Ion Ratio Lower Upper  
50 100  
52 28.2 27.2 40.8





#16

Acetone

Concen: 1.360 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Instrument :

MSVOA\_N

ClientSampleId :

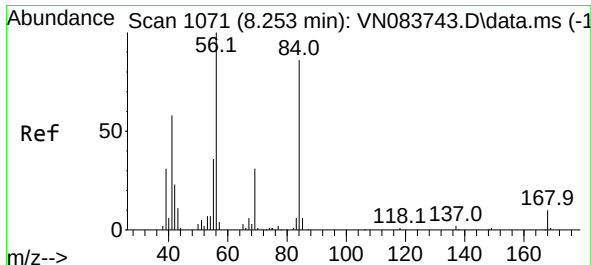
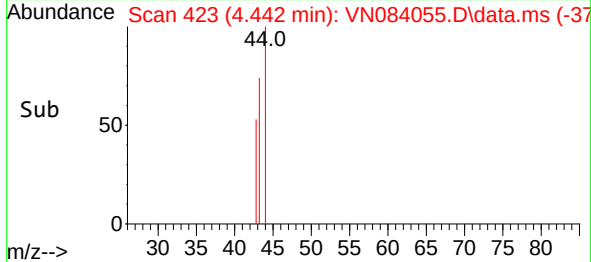
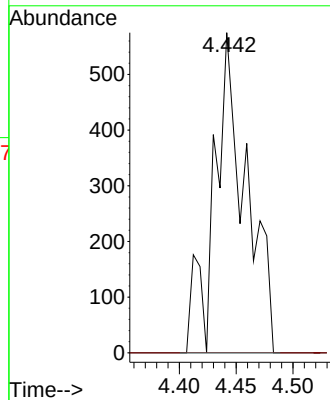
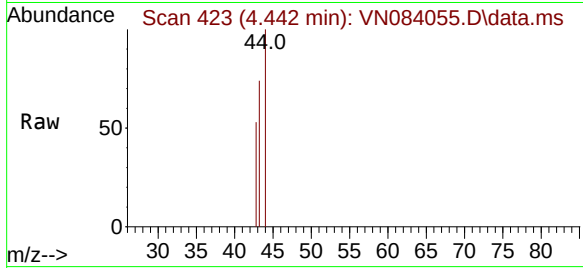
TB

Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

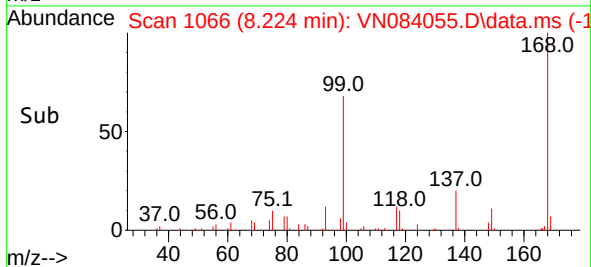
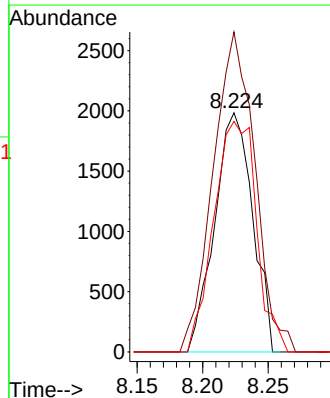
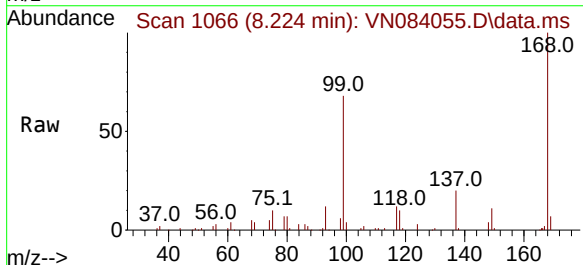
Tgt Ion: 56 Resp: 3996

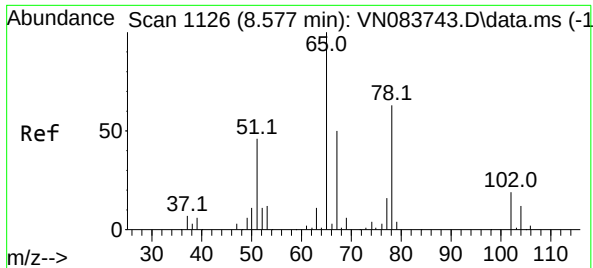
Ion Ratio Lower Upper

56 100

69 133.8 26.9 40.3#

84 96.4 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 54.512 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Instrument :

MSVOA\_N

ClientSampleId :

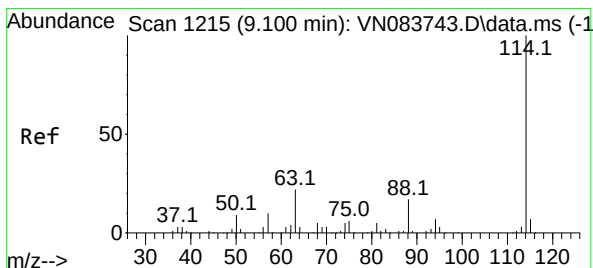
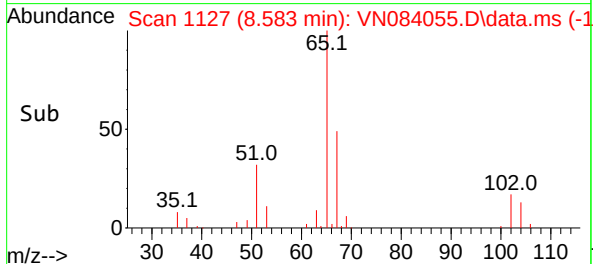
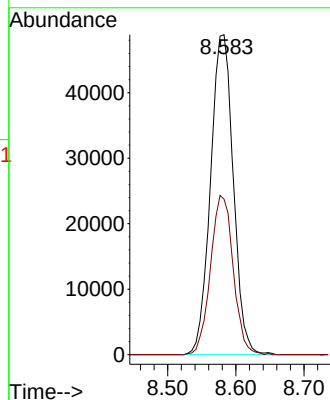
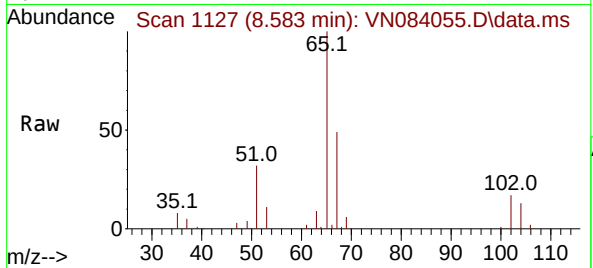
TB

Tgt Ion: 65 Resp: 113612

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

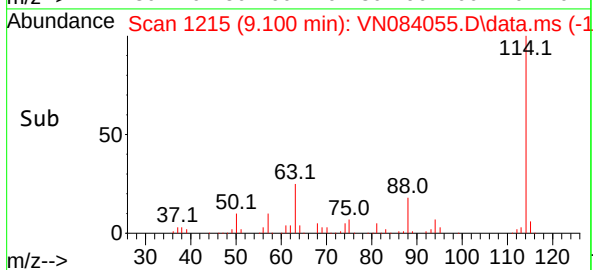
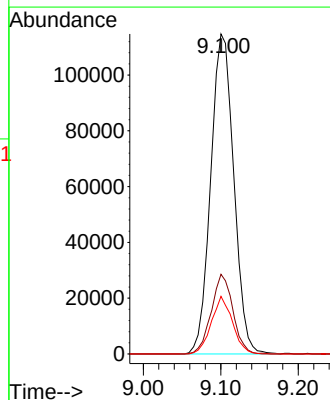
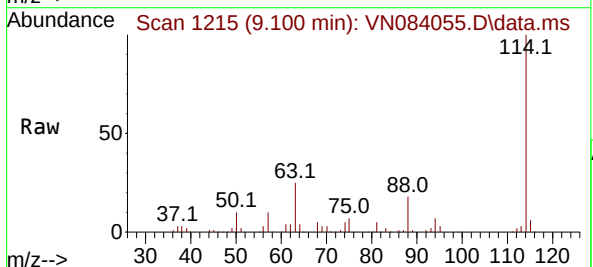
Tgt Ion: 114 Resp: 237359

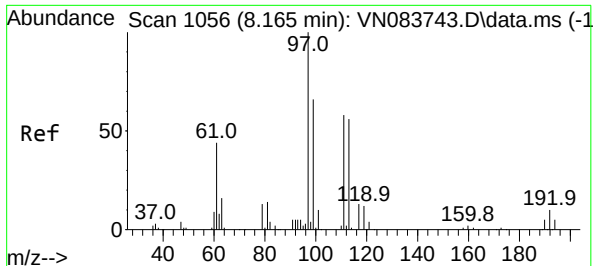
Ion Ratio Lower Upper

114 100

63 24.9 0.0 43.4

88 18.0 0.0 32.6

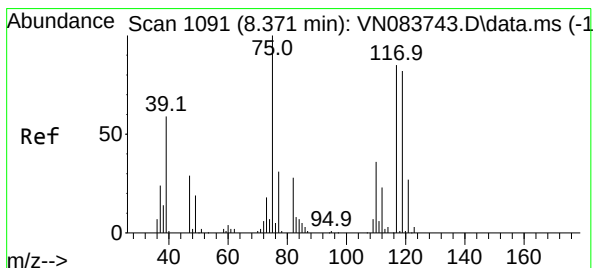
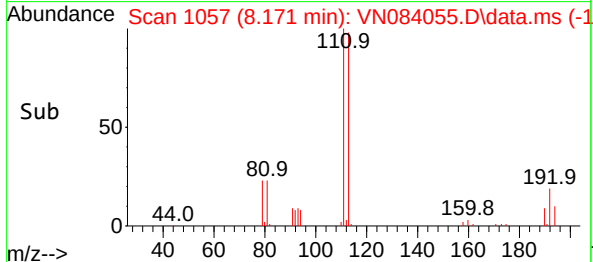
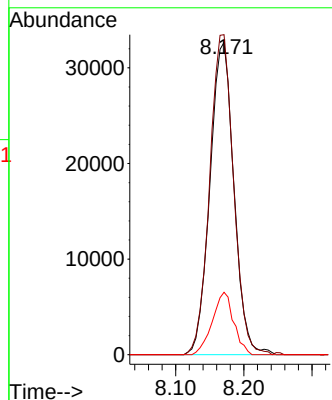
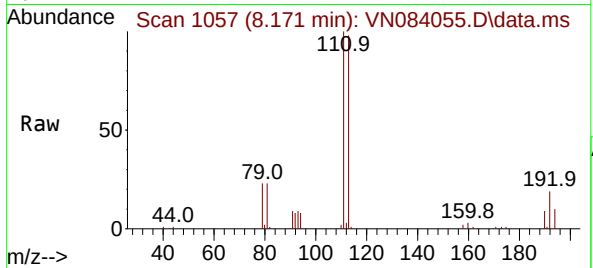




#35  
Dibromofluoromethane  
Concen: 52.528 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

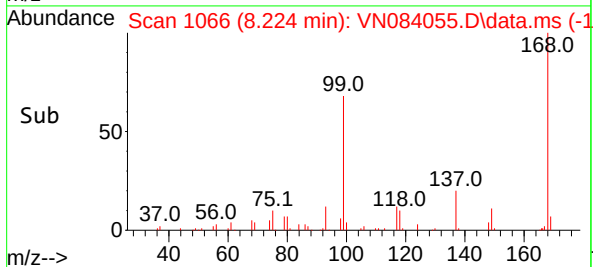
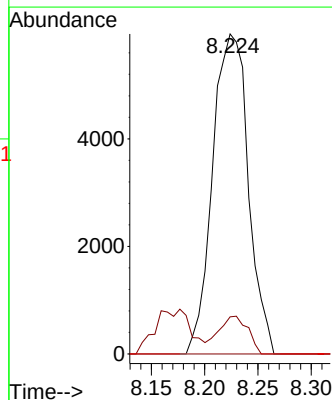
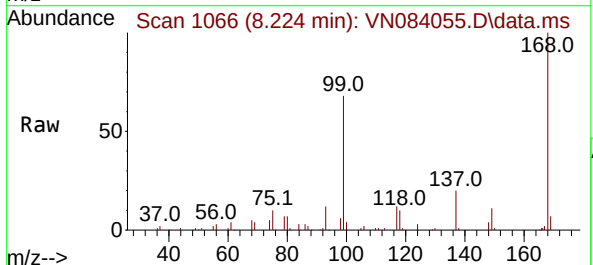
Instrument :  
MSVOA\_N  
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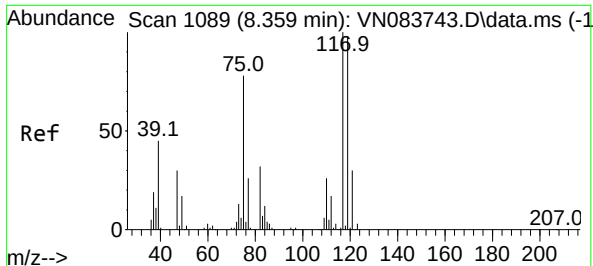
Tgt Ion:113 Resp: 79819  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.6 124.0  
192 17.9 14.3 21.5



#36  
1,1-Dichloropropene  
Concen: 6.060 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.147 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

Tgt Ion: 75 Resp: 13860  
Ion Ratio Lower Upper  
75 100  
110 9.7 16.7 50.1#  
77 0.0 25.2 37.8#

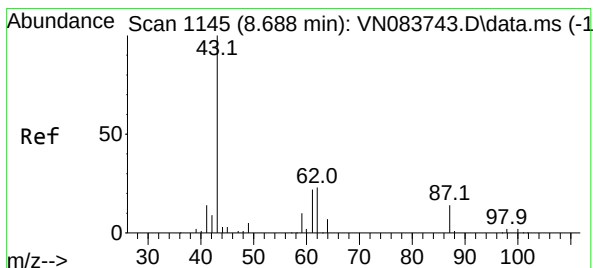
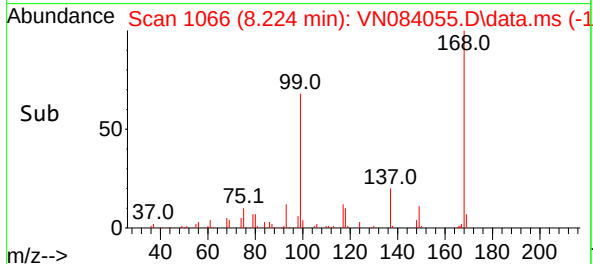
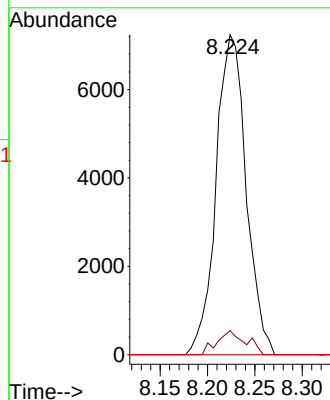
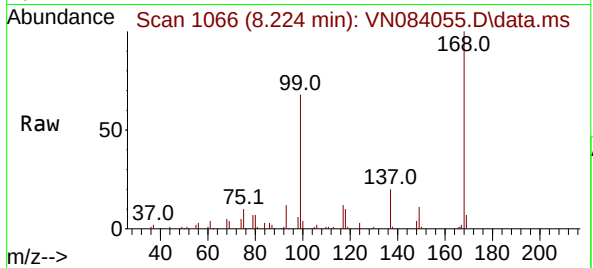




#38  
Carbon Tetrachloride  
Concen: 6.160 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.135 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

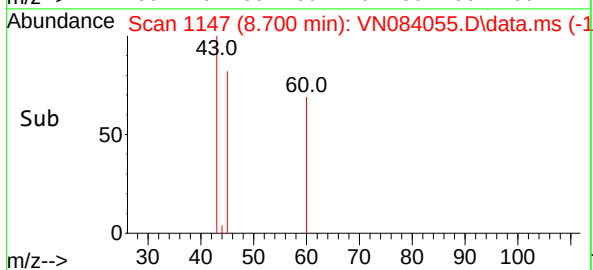
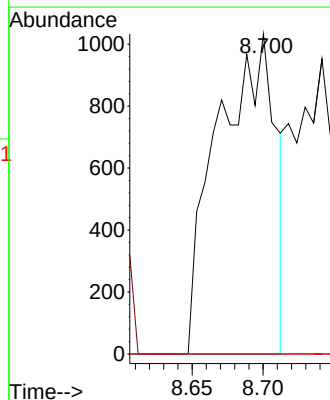
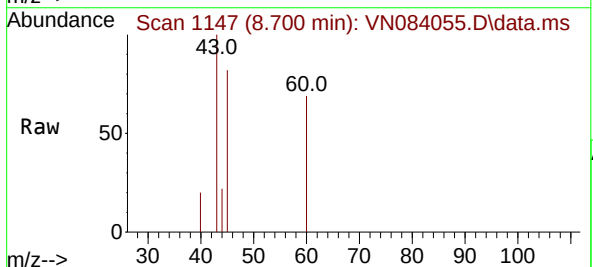
Instrument :  
MSVOA\_N  
ClientSampleId :  
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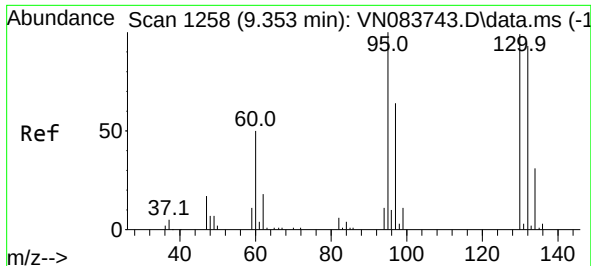
Tgt Ion:117 Resp: 15984  
Ion Ratio Lower Upper  
117 100  
119 7.5 76.1 114.1#  
121 0.0 24.1 36.1#



#43  
Isopropyl Acetate  
Concen: 0.778 ug/l  
RT: 8.700 min Scan# 1147  
Delta R.T. 0.012 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

Tgt Ion: 43 Resp: 2926  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.4 29.0#  
87 0.0 9.8 14.6#

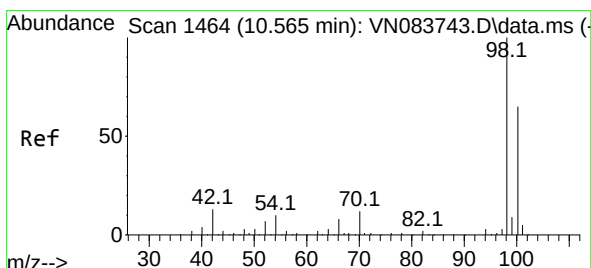
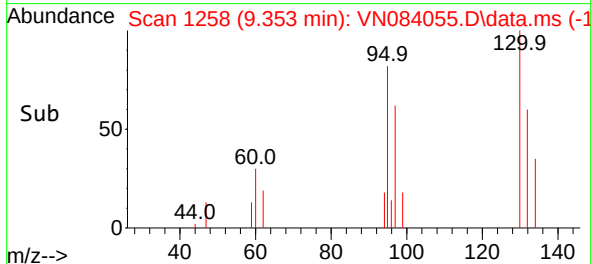
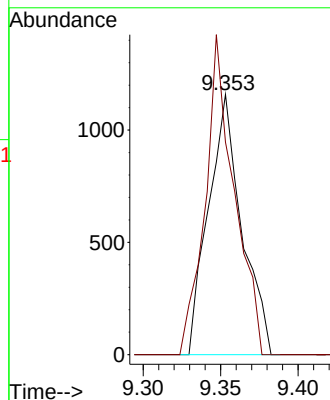
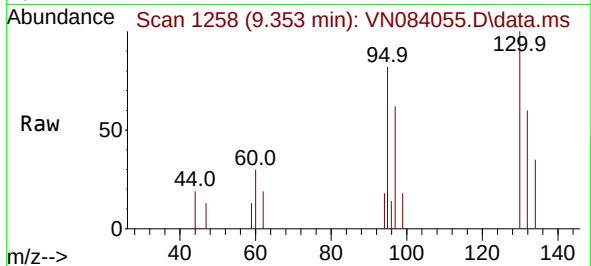




#44  
Trichloroethene  
Concen: 1.086 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

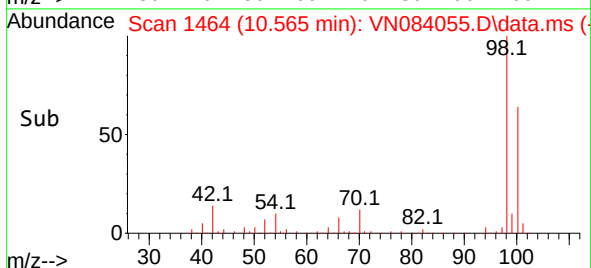
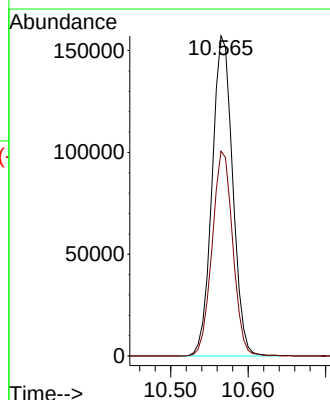
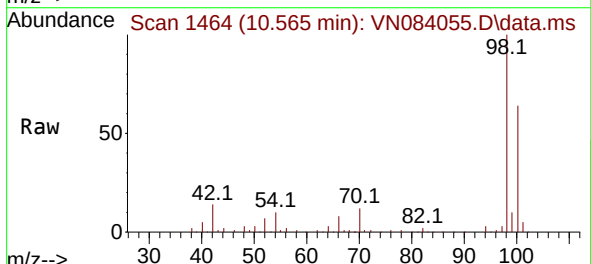
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

Tgt Ion:130 Resp: 1732  
Ion Ratio Lower Upper  
130 100  
95 81.6 0.0 200.4

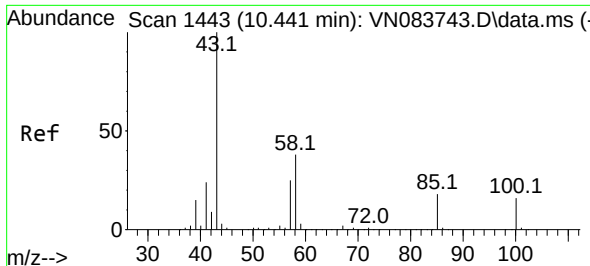


#50  
Toluene-d8  
Concen: 55.244 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

Tgt Ion: 98 Resp: 290202  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.0 78.0



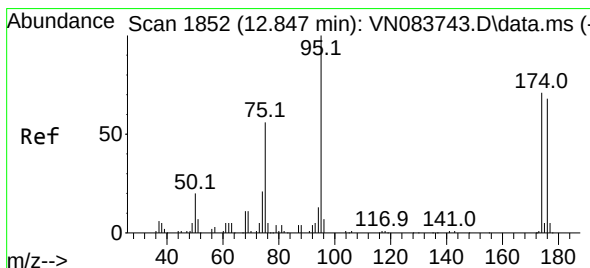
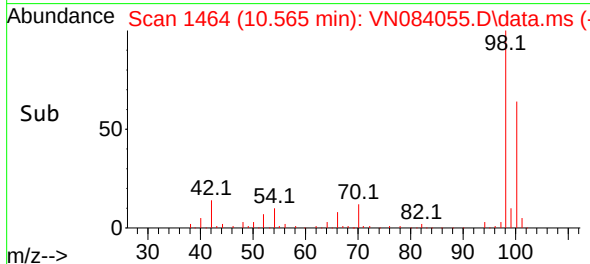
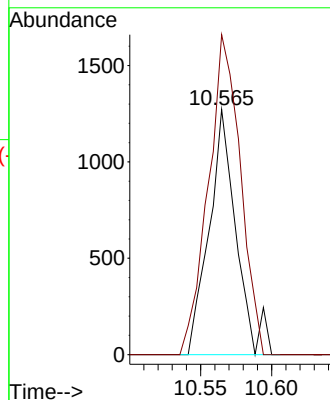
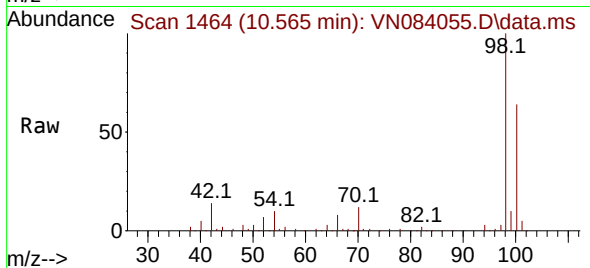




#51  
4-Methyl-2-Pentanone  
Concen: 0.825 ug/l  
RT: 10.565 min Scan# 1443  
Delta R.T. 0.124 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

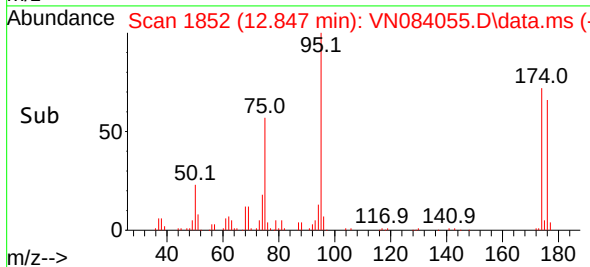
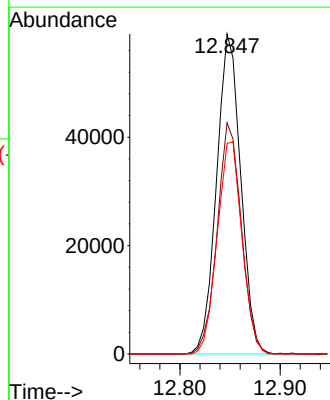
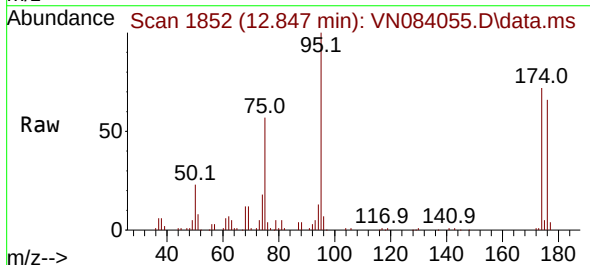
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

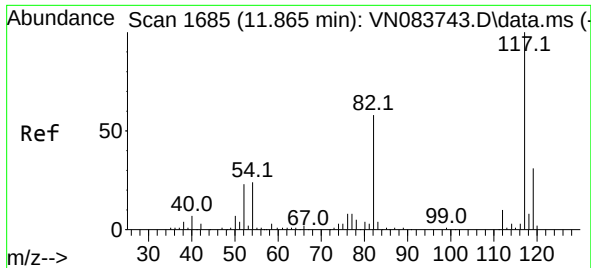
Tgt Ion: 43 Resp: 1689  
Ion Ratio Lower Upper  
43 100  
58 154.5 31.6 47.4#



#62  
4-Bromofluorobenzene  
Concen: 45.614 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

Tgt Ion: 95 Resp: 98859  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 139.8  
176 68.3 0.0 131.4

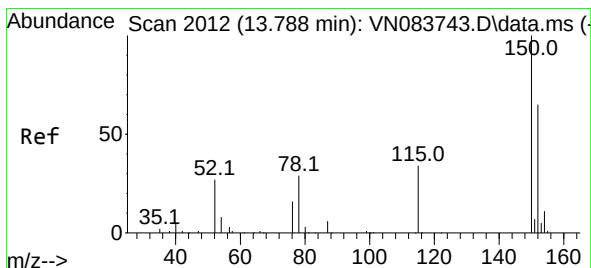
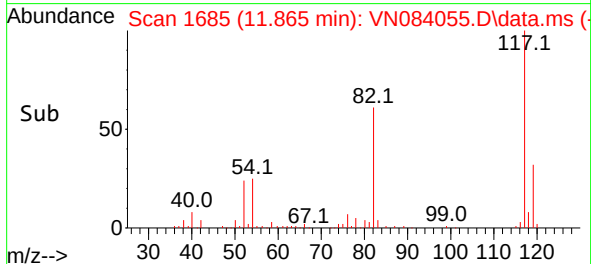
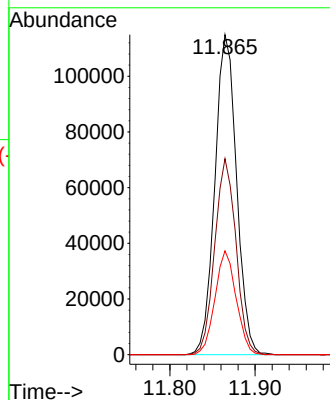
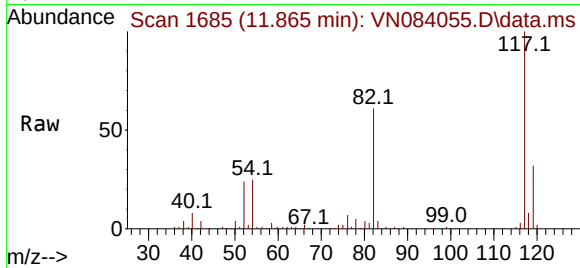




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

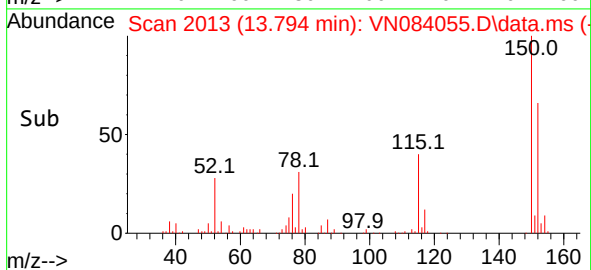
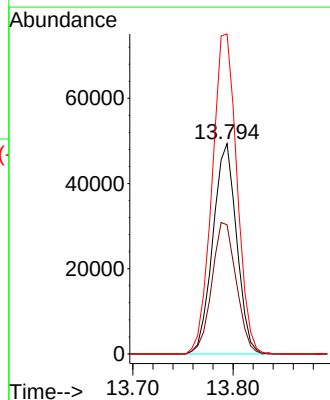
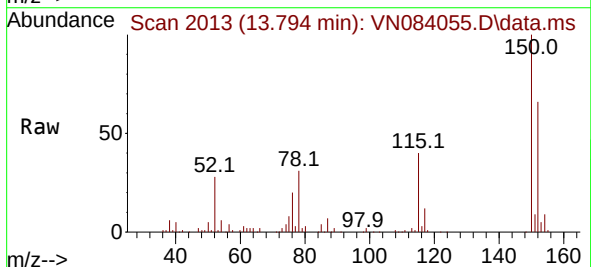
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

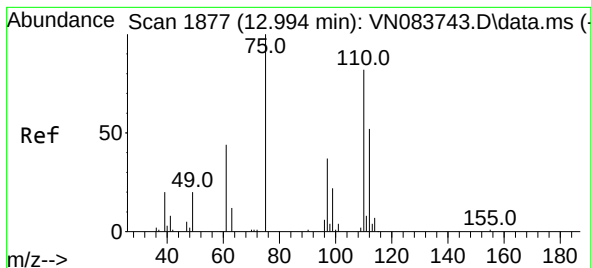
Tgt Ion:117 Resp: 203560  
Ion Ratio Lower Upper  
117 100  
82 61.3 47.4 71.0  
119 32.5 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN084055.D  
Acq: 19 Sep 2024 23:42

Tgt Ion:152 Resp: 81221  
Ion Ratio Lower Upper  
152 100  
115 64.4 32.2 96.6  
150 159.1 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 34.860 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Instrument :

MSVOA\_N

ClientSampleId :

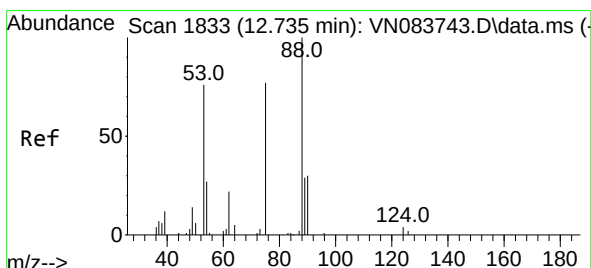
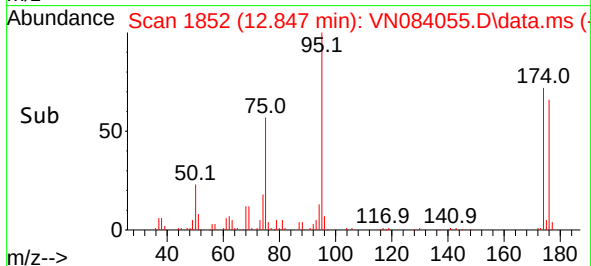
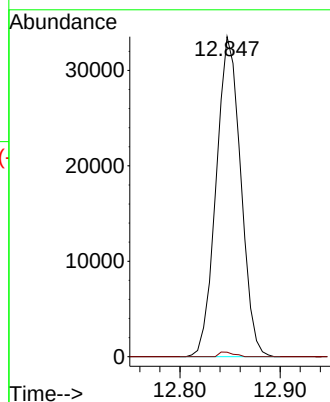
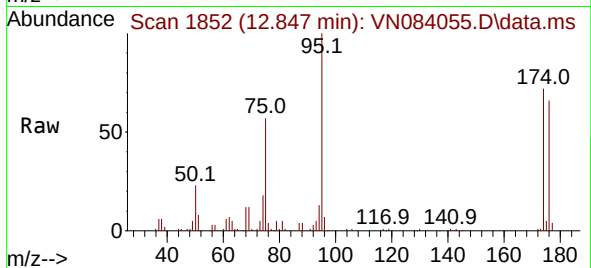
TB

Tgt Ion: 75 Resp: 57132

Ion Ratio Lower Upper

75 100

77 0.9 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.302 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Tgt Ion: 75 Resp: 57132

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

