

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071323\  
 Data File : VN078497.D  
 Acq On : 13 Jul 2023 14:35  
 Operator : JC\MD  
 Sample : 03611-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-RW5A-20230712

Quant Time: Jul 14 01:33:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

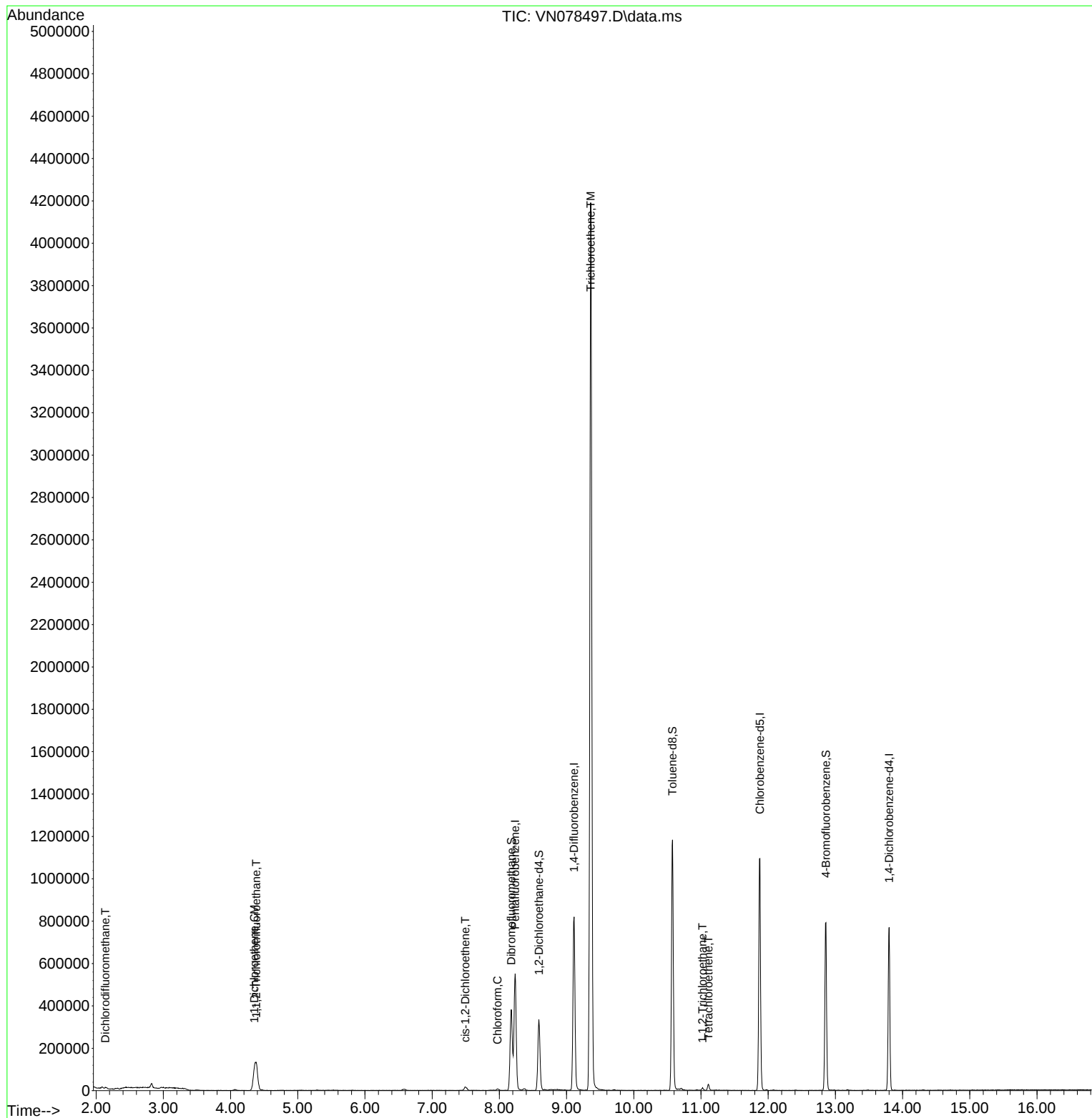
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.235  | 168   | 404884   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.112  | 114   | 736695   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.876 | 117   | 675513   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.800 | 152   | 212893   | 50.000   | ug/l   | 0.00     |
|                              |        |       |          |          |        |          |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588  | 65    | 265451   | 48.905   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 97.800%  |
| 35) Dibromofluoromethane     | 8.177  | 113   | 278422   | 55.674   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 111.340% |
| 50) Toluene-d8               | 10.576 | 98    | 856644   | 45.344   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 90.680%  |
| 62) 4-Bromofluorobenzene     | 12.859 | 95    | 283465   | 48.713   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 97.420%  |
|                              |        |       |          |          |        |          |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 3540     | 0.713    | ug/l   | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383  | 101   | 83016    | 18.796   | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 4.353  | 96    | 35467    | 8.302    | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.494  | 96    | 11434    | 2.053    | ug/l   | 82       |
| 30) Chloroform               | 7.971  | 83    | 6896     | 0.752    | ug/l   | 95       |
| 44) Trichloroethene          | 9.359  | 130   | 1534628  | 266.166  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane    | 11.024 | 97    | 3512     | 0.672    | ug/l # | 85       |
| 64) Tetrachloroethene        | 11.112 | 164   | 5734     | 1.129    | ug/l # | 83       |
| -----                        |        |       |          |          |        |          |

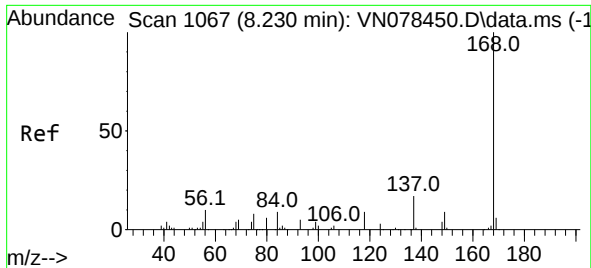
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-TT-RW5A-20230712

Quant Time: Jul 14 01:33:32 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

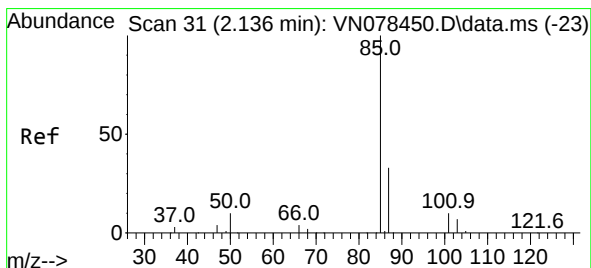
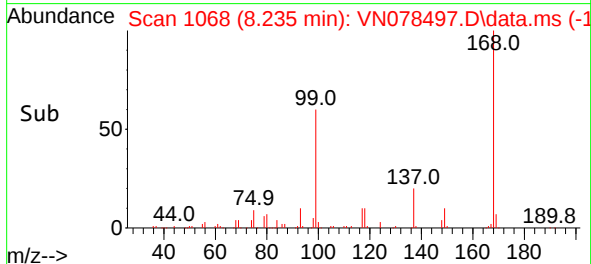
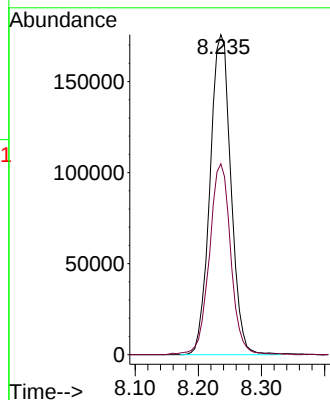
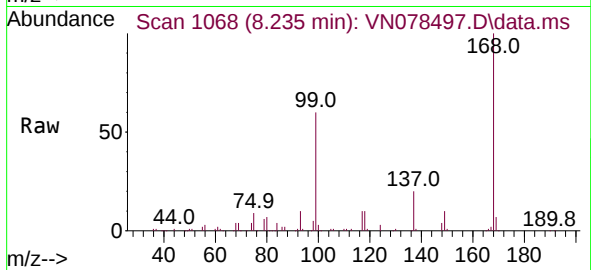




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1067  
Delta R.T. 0.005 min  
Lab File: VN078497.D  
Acq: 13 Jul 2023 14:35

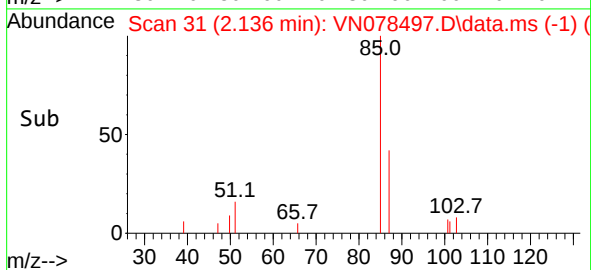
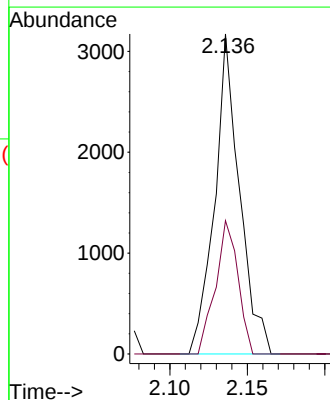
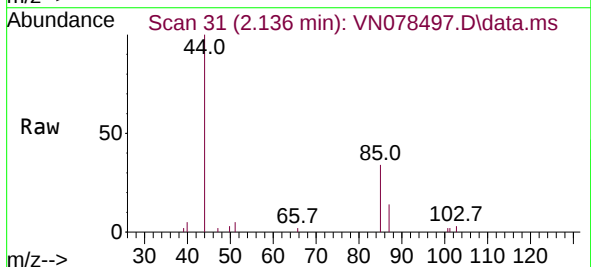
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-RW5A-20230712

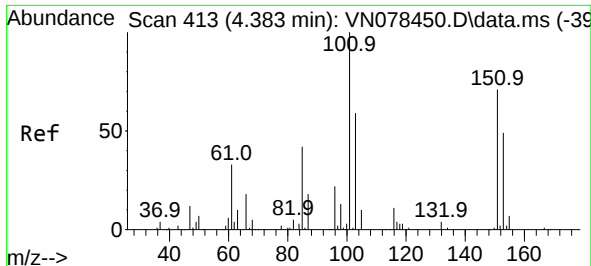
Tgt Ion:168 Resp: 404884  
Ion Ratio Lower Upper  
168 100  
99 59.3 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 0.713 ug/l  
RT: 2.136 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN078497.D  
Acq: 13 Jul 2023 14:35

Tgt Ion: 85 Resp: 3540  
Ion Ratio Lower Upper  
85 100  
87 41.7 15.8 47.4

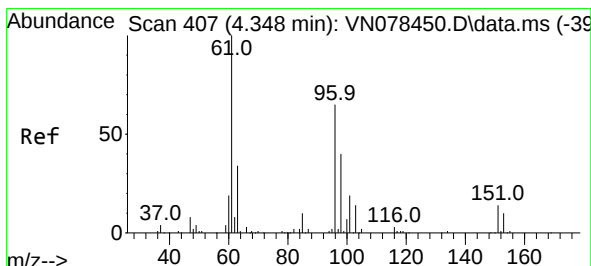
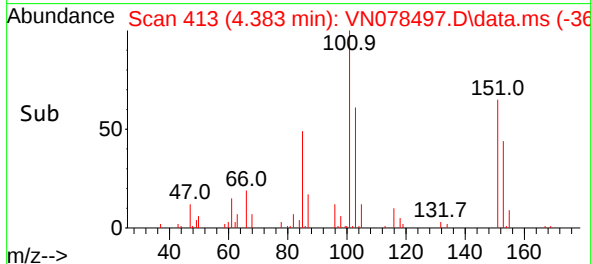
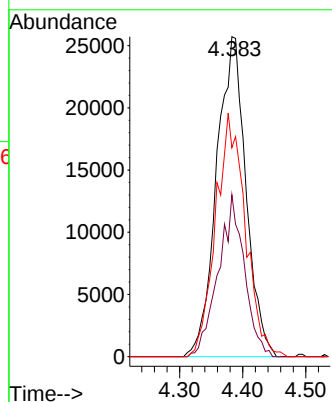
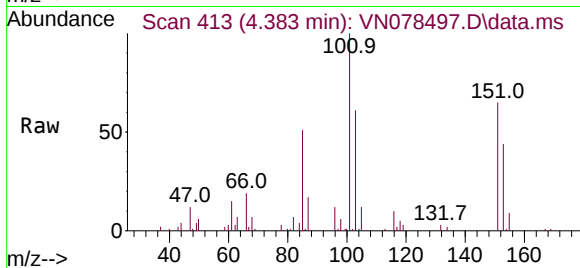




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.796 ug/l  
 RT: 4.383 min Scan# 413  
 Delta R.T. -0.000 min  
 Lab File: VN078497.D  
 Acq: 13 Jul 2023 14:35

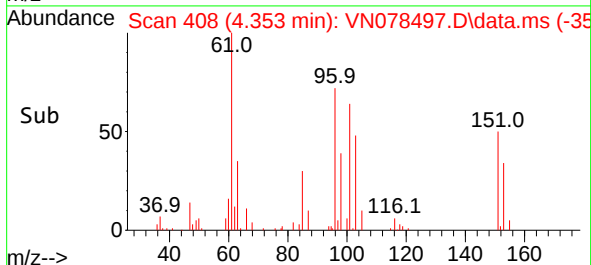
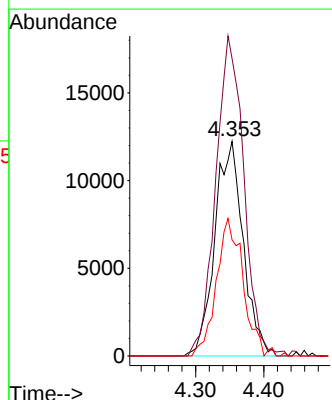
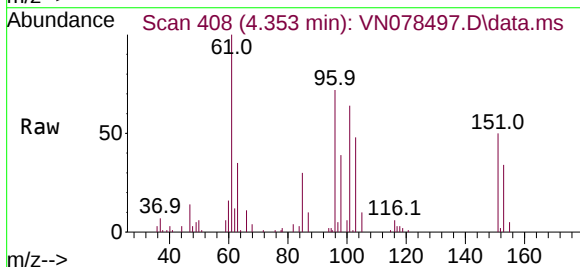
Instrument :  
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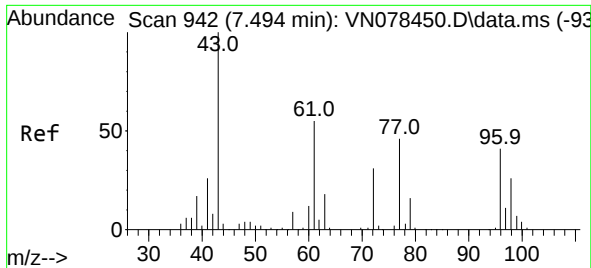
Tgt Ion:101 Resp: 83016  
 Ion Ratio Lower Upper  
 101 100  
 85 44.8 36.6 55.0  
 151 76.8 57.6 86.4



#12  
 1,1-Dichloroethene  
 Concen: 8.302 ug/l  
 RT: 4.353 min Scan# 408  
 Delta R.T. 0.005 min  
 Lab File: VN078497.D  
 Acq: 13 Jul 2023 14:35

Tgt Ion: 96 Resp: 35467  
 Ion Ratio Lower Upper  
 96 100  
 61 138.6 112.7 169.1  
 98 54.2 51.2 76.8

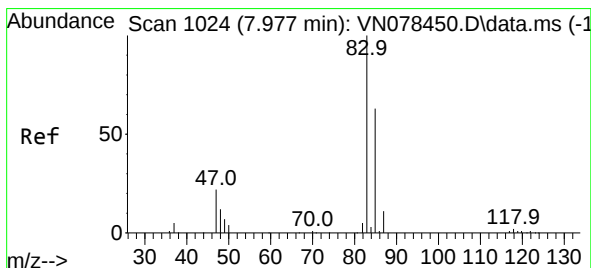
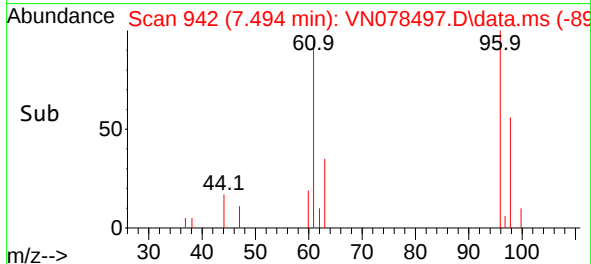
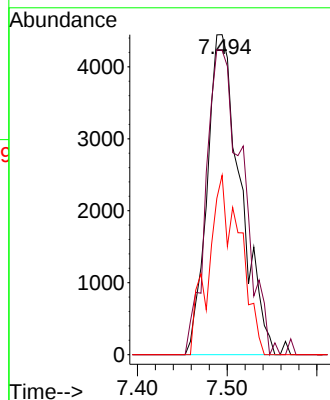
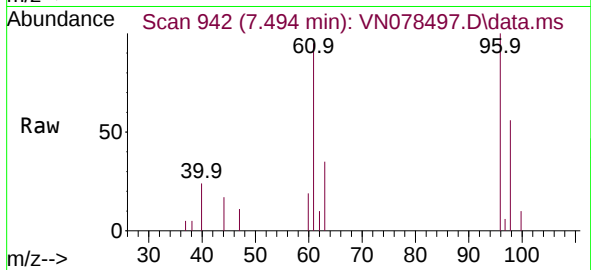




#27  
 cis-1,2-Dichloroethene  
 Concen: 2.053 ug/l  
 RT: 7.494 min Scan# 94  
 Delta R.T. 0.000 min  
 Lab File: VN078497.D  
 Acq: 13 Jul 2023 14:35

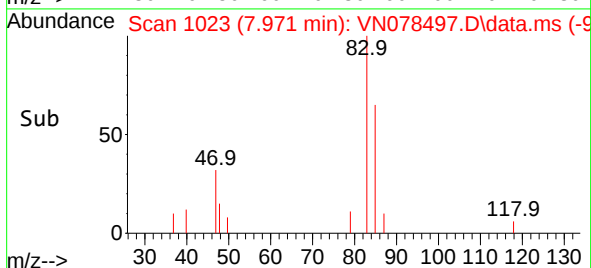
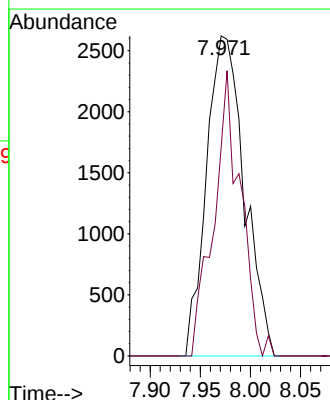
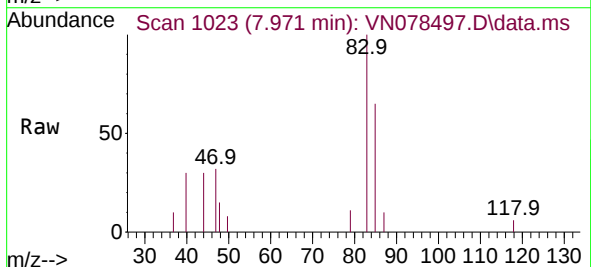
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-RW5A-20230712

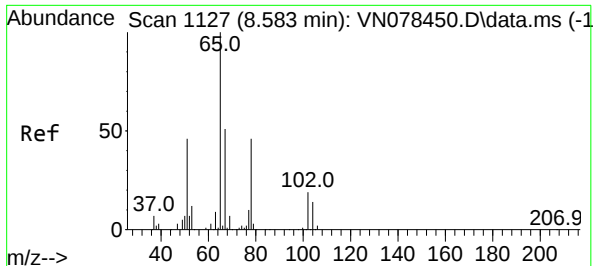
Tgt Ion: 96 Resp: 11434  
 Ion Ratio Lower Upper  
 96 100  
 61 104.5 0.0 255.2  
 98 53.8 0.0 128.8



#30  
 Chloroform  
 Concen: 0.752 ug/l  
 RT: 7.971 min Scan# 1023  
 Delta R.T. -0.006 min  
 Lab File: VN078497.D  
 Acq: 13 Jul 2023 14:35

Tgt Ion: 83 Resp: 6896  
 Ion Ratio Lower Upper  
 83 100  
 85 65.1 55.4 83.0





#33

1,2-Dichloroethane-d4

Concen: 48.905 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078497.D

Acq: 13 Jul 2023 14:35

Instrument :

MSVOA\_N

ClientSampleId :

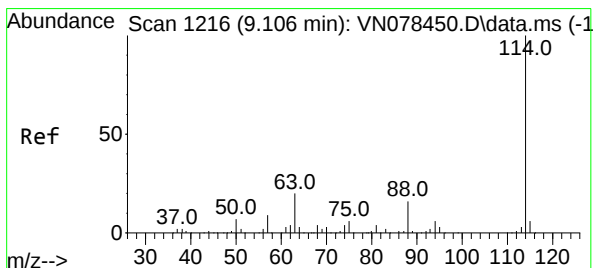
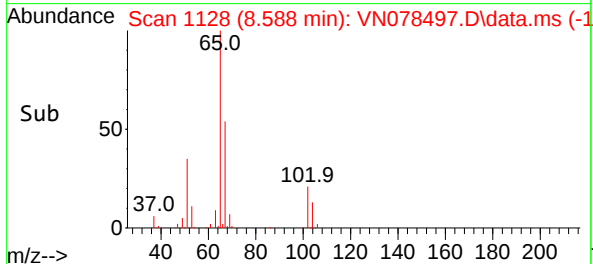
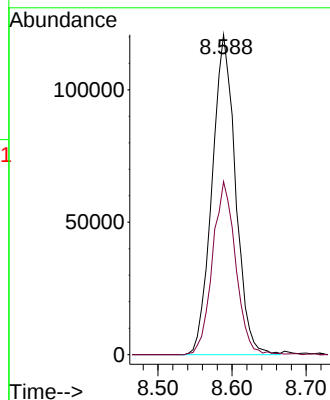
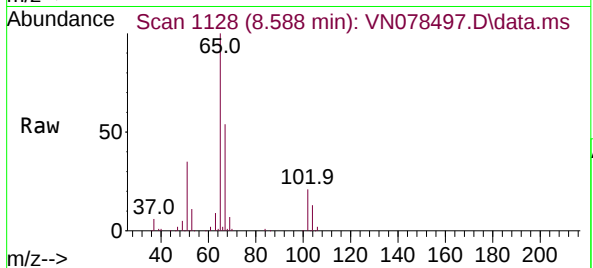
BP-TT-RW5A-20230712

Tgt Ion: 65 Resp: 265451

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078497.D

Acq: 13 Jul 2023 14:35

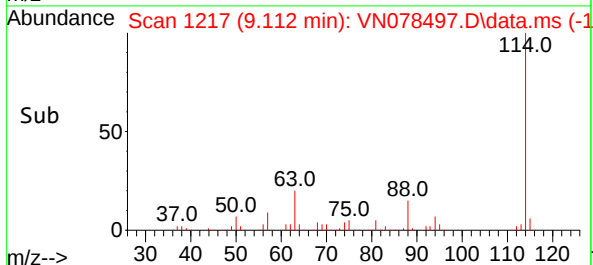
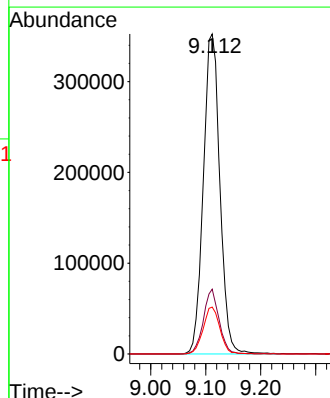
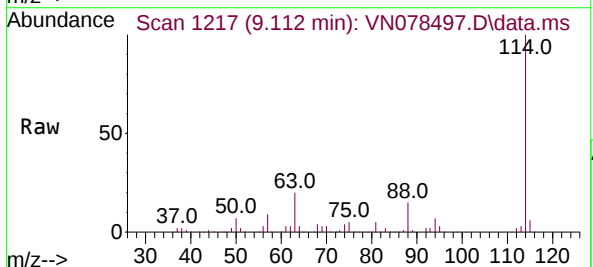
Tgt Ion: 114 Resp: 736695

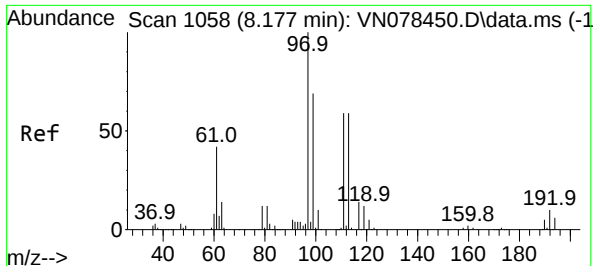
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.674 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078497.D

Acq: 13 Jul 2023 14:35

Instrument :

MSVOA\_N

ClientSampleId :

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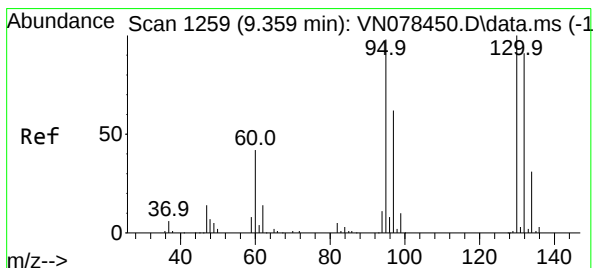
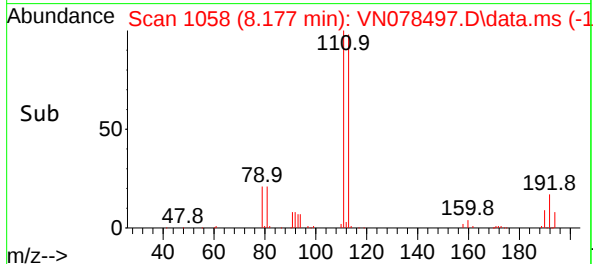
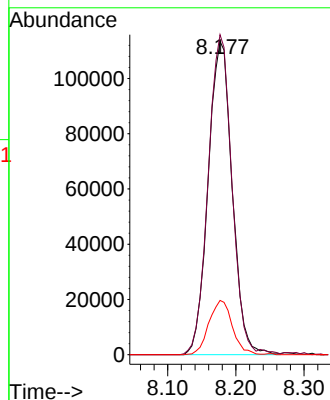
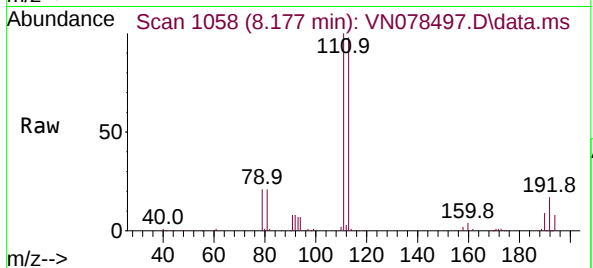
Tgt Ion:113 Resp: 278422

Ion Ratio Lower Upper

113 100

111 101.1 82.6 123.8

192 16.9 12.7 19.1



#44

Trichloroethene

Concen: 266.166 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN078497.D

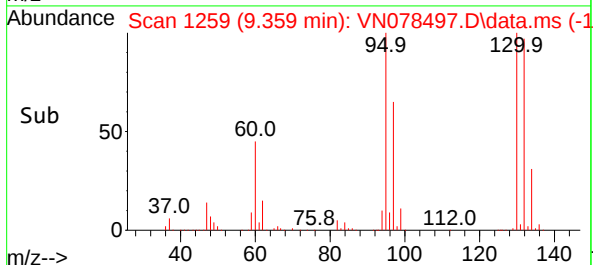
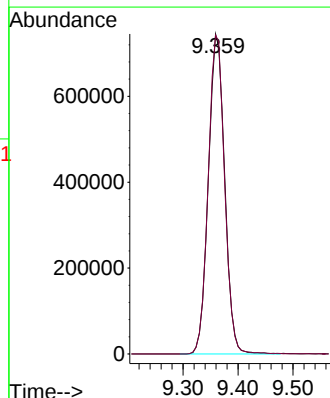
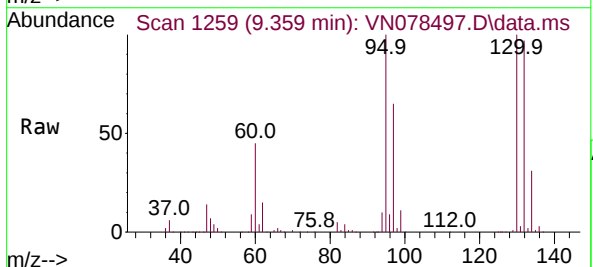
Acq: 13 Jul 2023 14:35

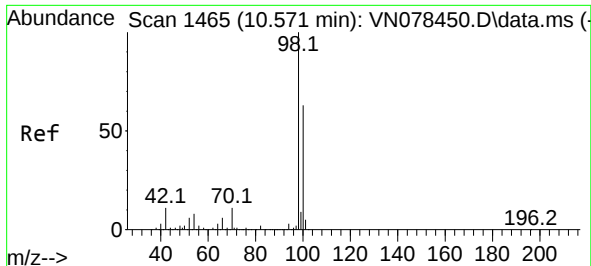
Tgt Ion:130 Resp: 1534628

Ion Ratio Lower Upper

130 100

95 99.6 0.0 204.6

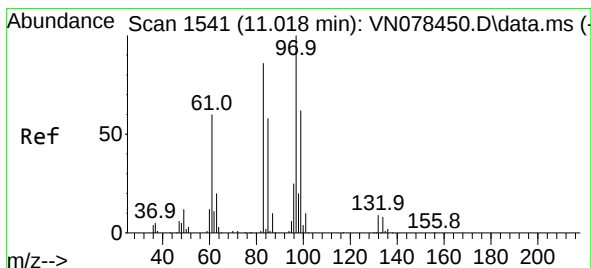
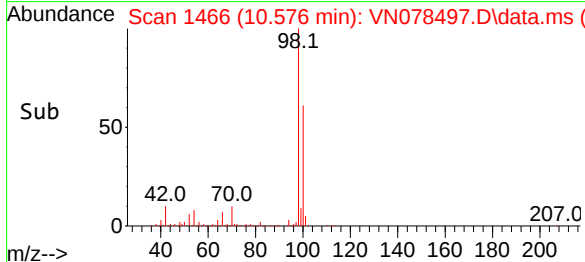
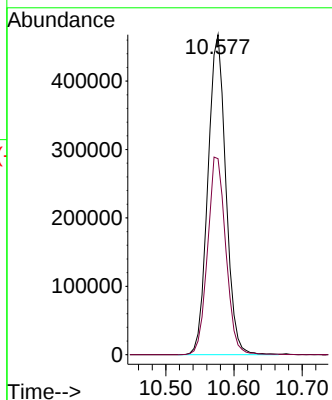
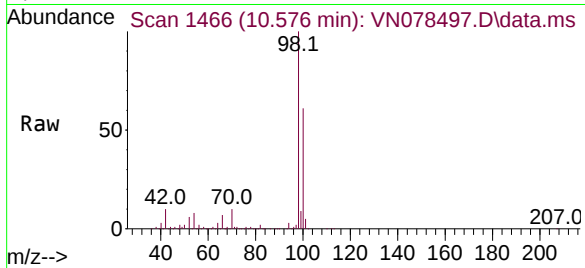




#50  
Toluene-d8  
Concen: 45.344 ug/l  
RT: 10.576 min Scan# 1465  
Delta R.T. 0.005 min  
Lab File: VN078497.D  
Acq: 13 Jul 2023 14:35

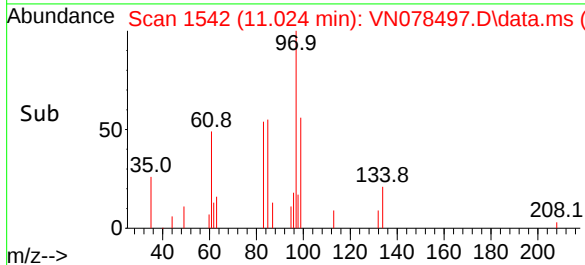
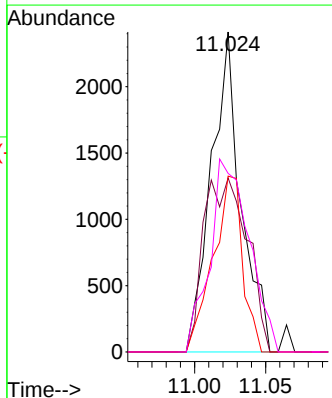
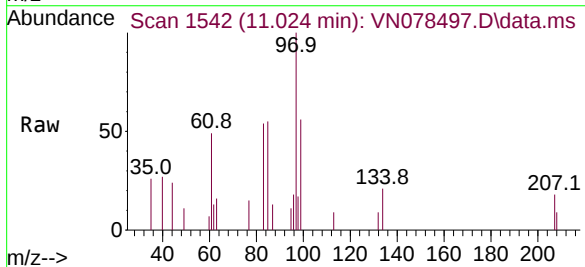
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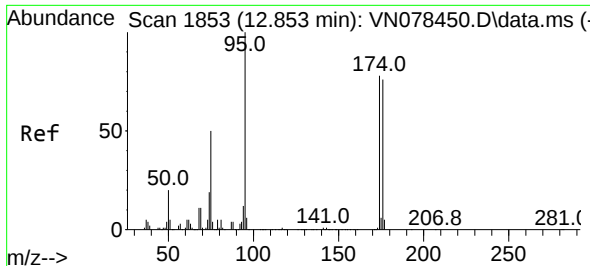
Tgt Ion: 98 Resp: 856644  
Ion Ratio Lower Upper  
98 100  
100 62.9 52.0 78.0



#55  
1,1,2-Trichloroethane  
Concen: 0.672 ug/l  
RT: 11.024 min Scan# 1542  
Delta R.T. 0.006 min  
Lab File: VN078497.D  
Acq: 13 Jul 2023 14:35

Tgt Ion: 97 Resp: 3512  
Ion Ratio Lower Upper  
97 100  
83 54.4 65.1 97.7#  
85 55.0 43.4 65.2  
99 55.8 49.2 73.8

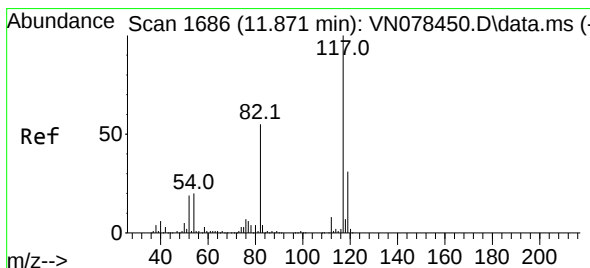
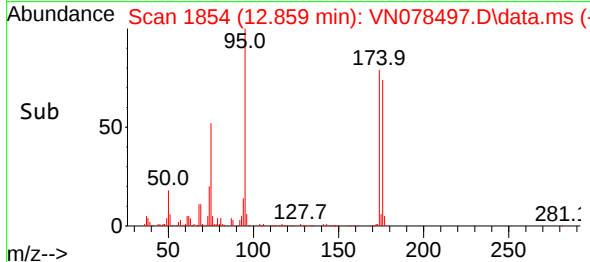
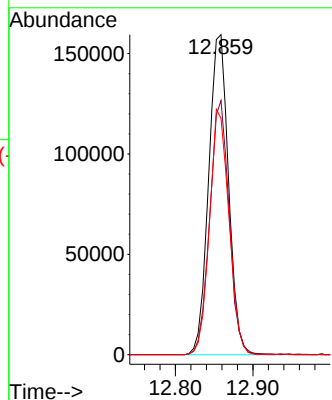
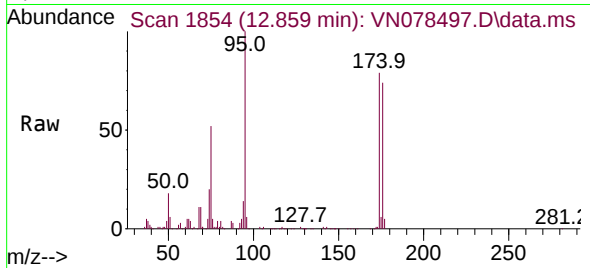




#62  
4-Bromofluorobenzene  
Concen: 48.713 ug/l  
RT: 12.859 min Scan# 1185  
Delta R.T. 0.006 min  
Lab File: VN078497.D  
Acq: 13 Jul 2023 14:35

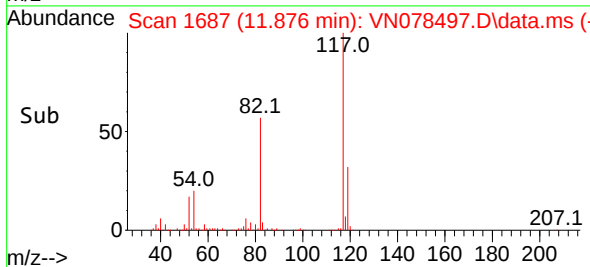
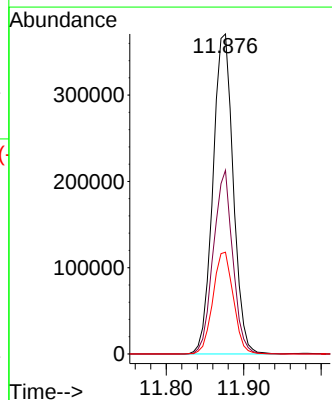
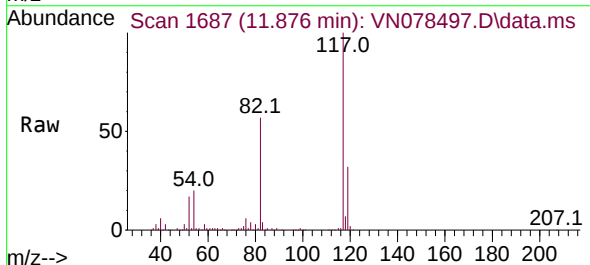
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-RW5A-20230712

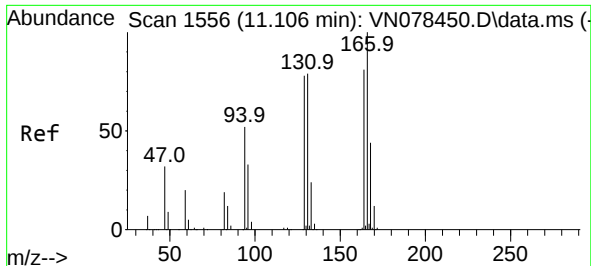
Tgt Ion: 95 Resp: 283465  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 143.8  
176 75.0 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.876 min Scan# 1687  
Delta R.T. 0.005 min  
Lab File: VN078497.D  
Acq: 13 Jul 2023 14:35

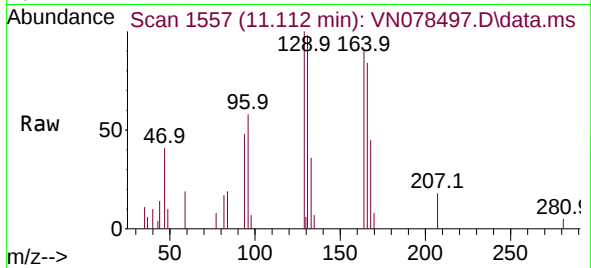
Tgt Ion: 117 Resp: 675513  
Ion Ratio Lower Upper  
117 100  
82 57.4 44.0 66.0  
119 31.8 25.6 38.4



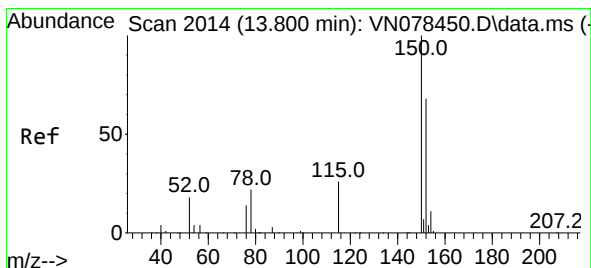
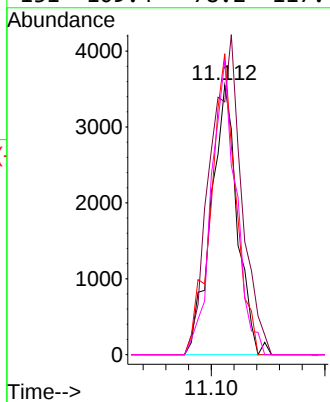
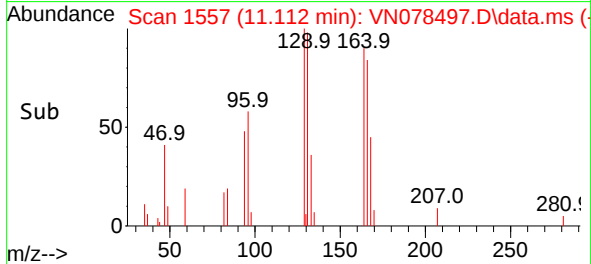


#64  
Tetrachloroethene  
Concen: 1.129 ug/l  
RT: 11.112 min Scan# 1557  
Delta R.T. 0.006 min  
Lab File: VN078497.D  
Acq: 13 Jul 2023 14:35

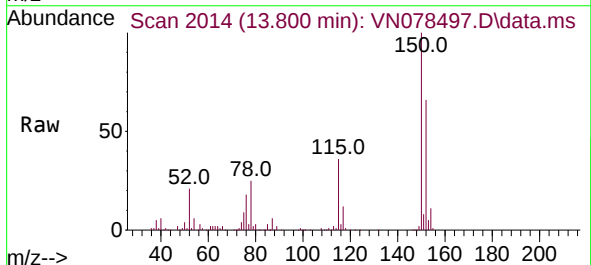
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-RW5A-20230712



Tgt Ion:164 Resp: 5734  
Ion Ratio Lower Upper  
164 100  
166 93.9 101.4 152.0#  
129 111.7 82.4 123.6  
131 109.4 78.2 117.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: VN078497.D  
Acq: 13 Jul 2023 14:35



Tgt Ion:152 Resp: 212893  
Ion Ratio Lower Upper  
152 100  
115 59.7 32.3 96.8  
150 155.5 0.0 355.8

