

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052623\  
 Data File : VN077922.D  
 Acq On : 26 May 2023 13:06  
 Operator : JC\MD  
 Sample : 02898-04DL 400X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP01-20230522DL

Quant Time: May 29 00:27:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

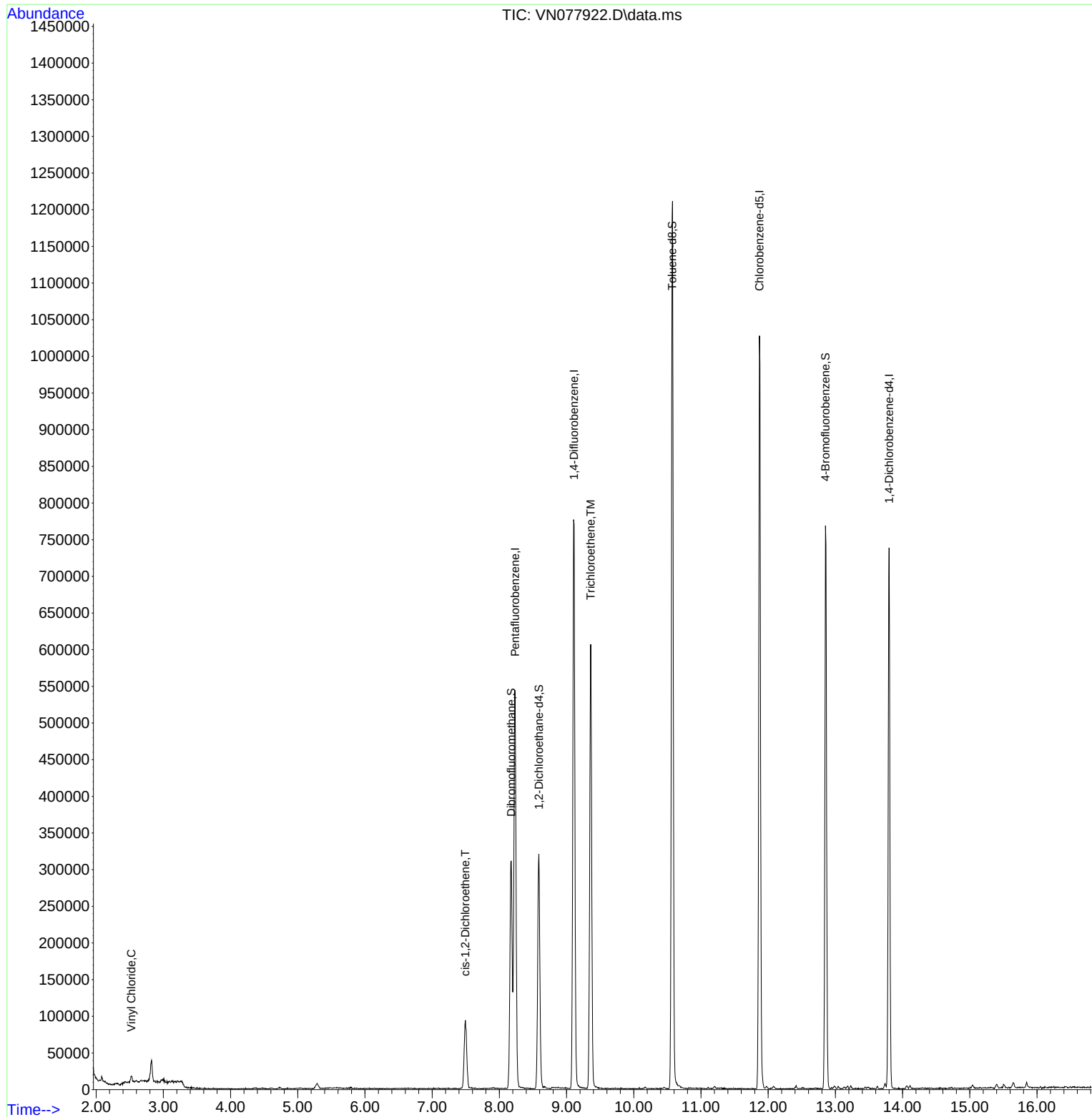
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.236  | 168   | 392663   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.112  | 114   | 705890   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 615475   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 193161   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 260463   | 44.332   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 88.660%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 229793   | 49.922   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 99.840%  |
| 50) Toluene-d8              | 10.571 | 98    | 878687   | 49.595   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 99.180%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 283129   | 45.247   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 90.500%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride           | 2.524  | 62    | 7048     | 1.251    | ug/l # | 81       |
| 27) cis-1,2-Dichloroethene  | 7.494  | 96    | 58297    | 10.480   | ug/l   | 95       |
| 44) Trichloroethene         | 9.359  | 130   | 218704   | 43.474   | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

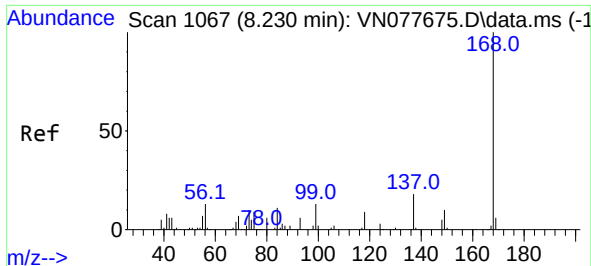
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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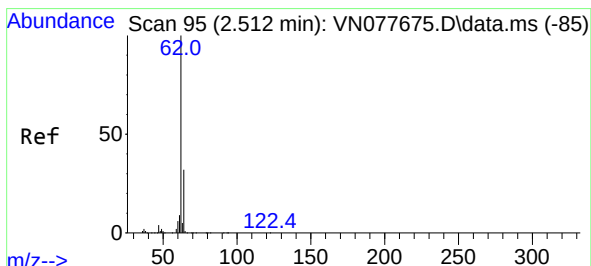
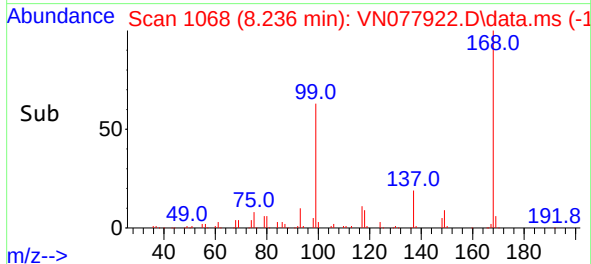
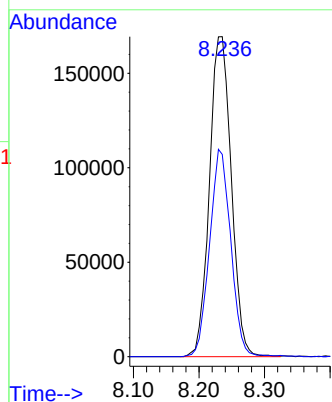
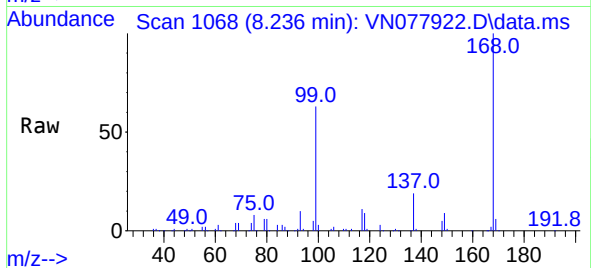




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1067  
Delta R.T. 0.006 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

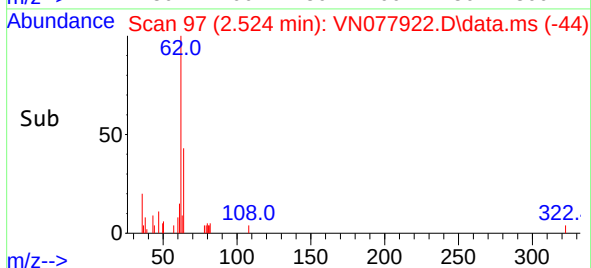
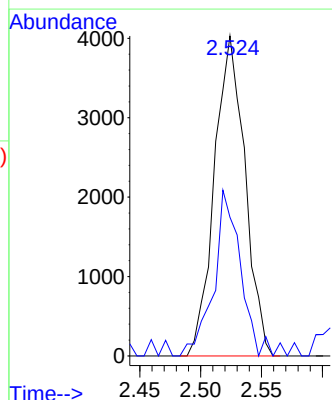
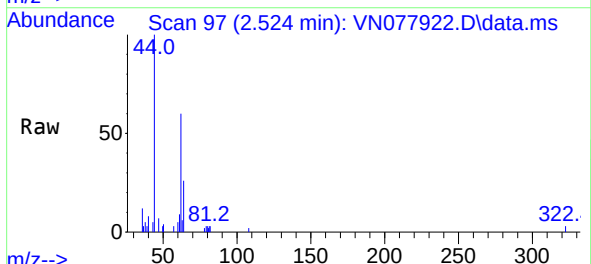
Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP01-20230522DL

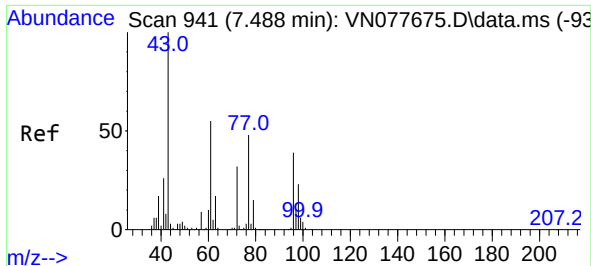
Tgt Ion:168 Resp: 392663  
Ion Ratio Lower Upper  
168 100  
99 63.2 53.0 79.6



#4  
Vinyl Chloride  
Concen: 1.251 ug/l  
RT: 2.524 min Scan# 97  
Delta R.T. 0.012 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

Tgt Ion: 62 Resp: 7048  
Ion Ratio Lower Upper  
62 100  
64 43.4 26.2 39.2#

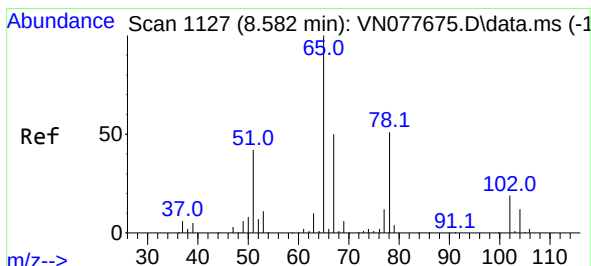
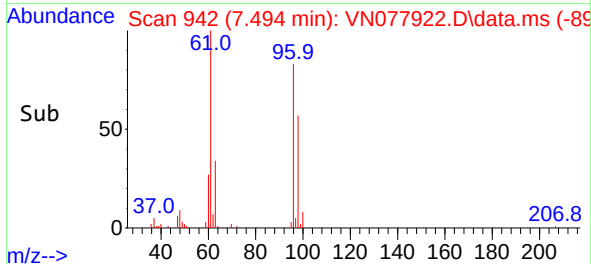
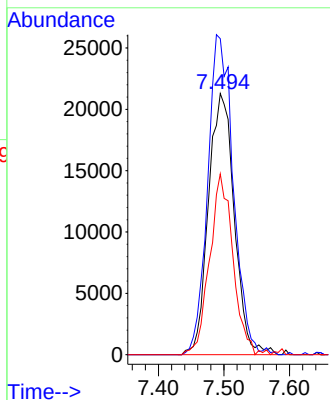
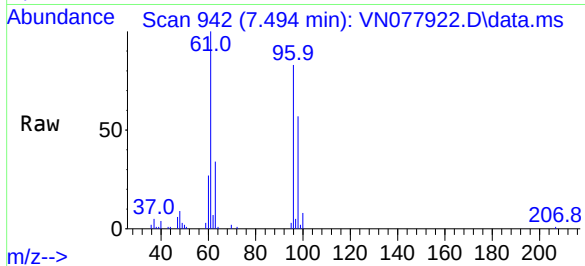




#27  
cis-1,2-Dichloroethene  
Concen: 10.480 ug/l  
RT: 7.494 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

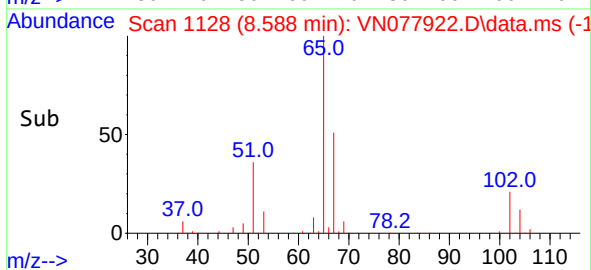
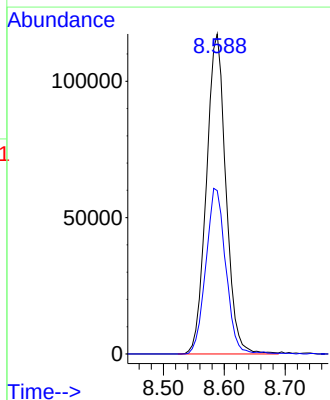
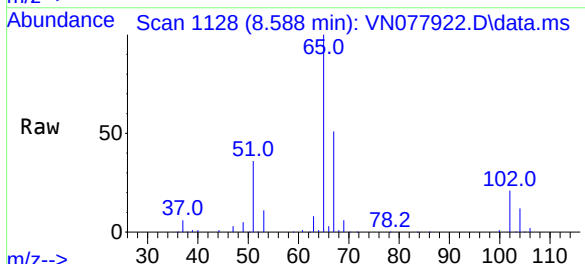
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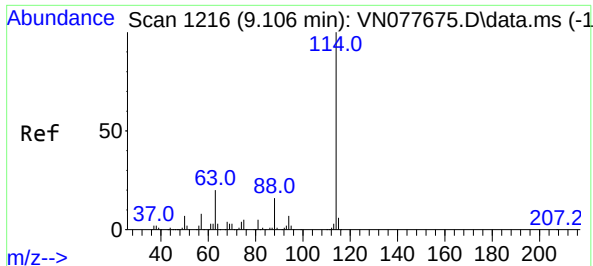
Tgt Ion: 96 Resp: 58297  
Ion Ratio Lower Upper  
96 100  
61 121.0 0.0 255.2  
98 62.3 0.0 128.8



#33  
1,2-Dichloroethane-d4  
Concen: 44.332 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

Tgt Ion: 65 Resp: 260463  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077922.D

Acq: 26 May 2023 13:06

Instrument :

MSVOA\_N

ClientSampleId :

DUP01-20230522DL

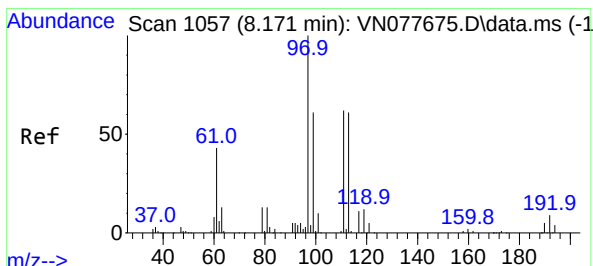
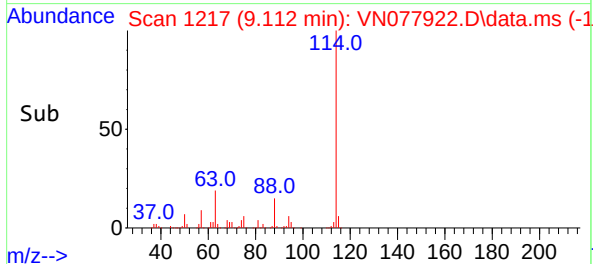
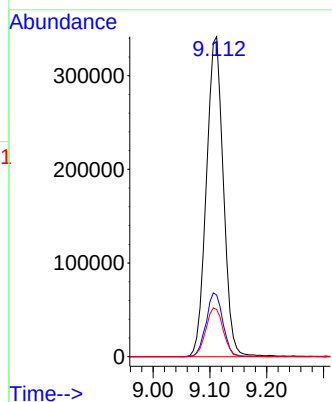
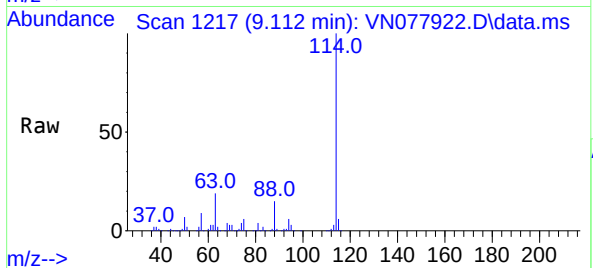
Tgt Ion:114 Resp: 705890

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.922 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077922.D

Acq: 26 May 2023 13:06

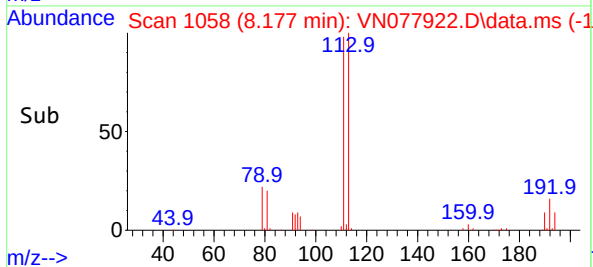
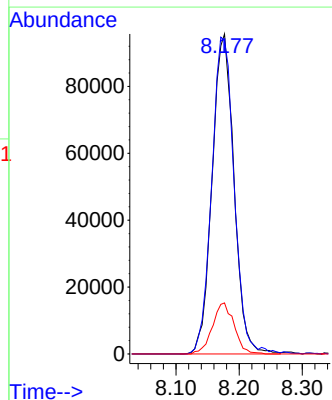
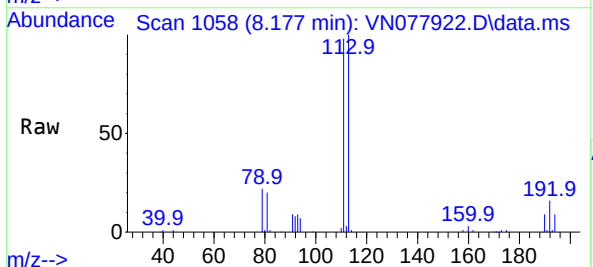
Tgt Ion:113 Resp: 229793

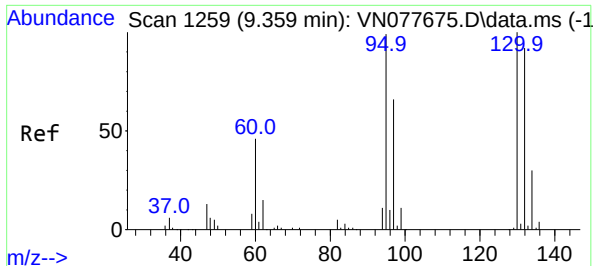
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 15.9 12.7 19.1

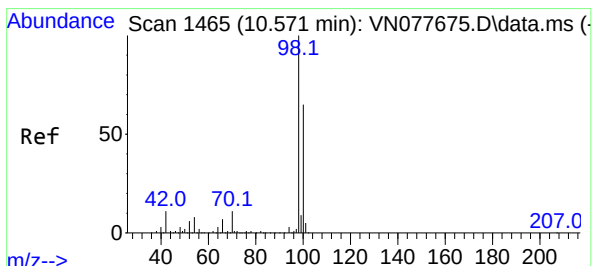
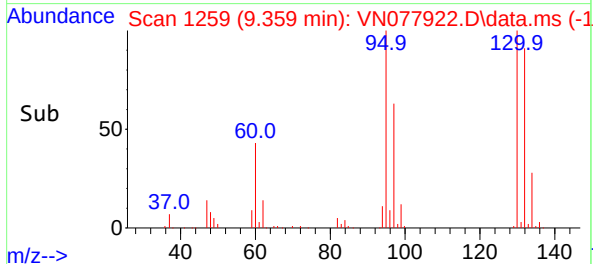
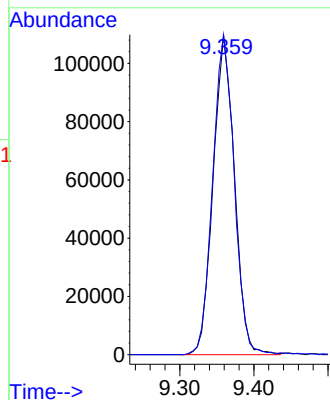
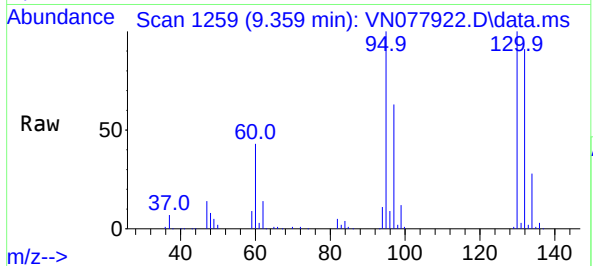




#44  
Trichloroethene  
Concen: 43.474 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

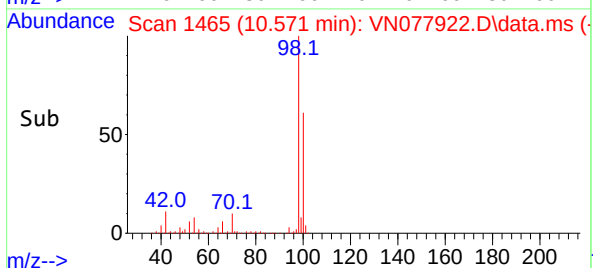
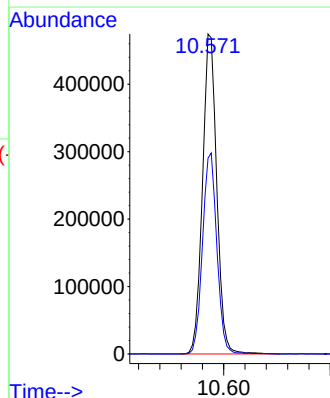
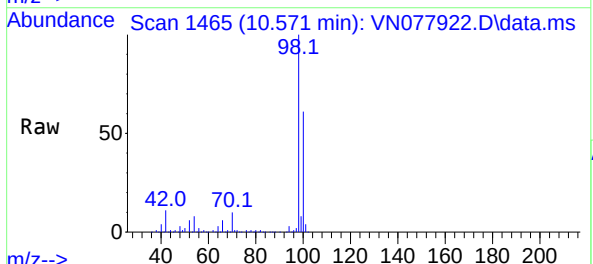
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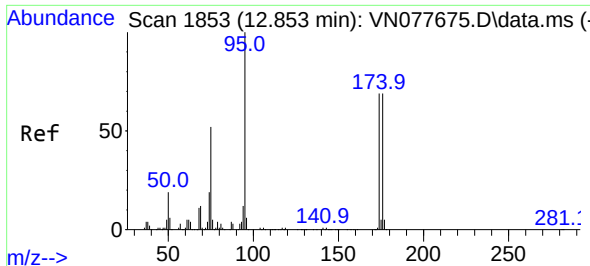
Tgt Ion:130 Resp: 218704  
Ion Ratio Lower Upper  
130 100  
95 100.1 0.0 204.6



#50  
Toluene-d8  
Concen: 49.595 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

Tgt Ion: 98 Resp: 878687  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.0 78.0

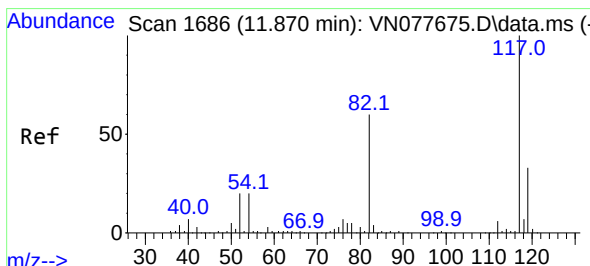
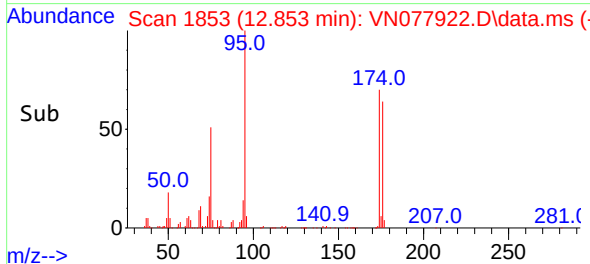
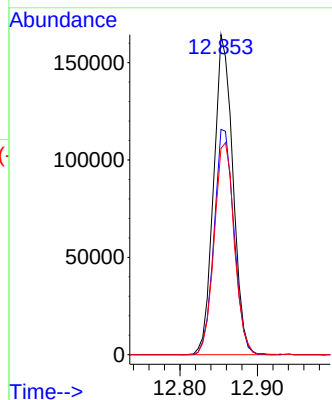
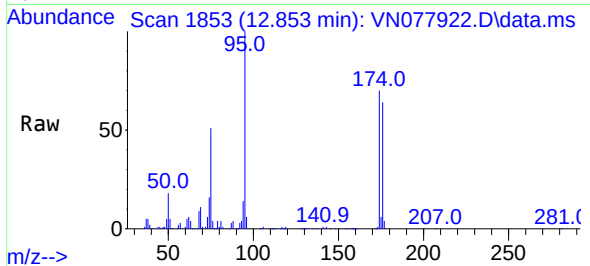




#62  
4-Bromofluorobenzene  
Concen: 45.247 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

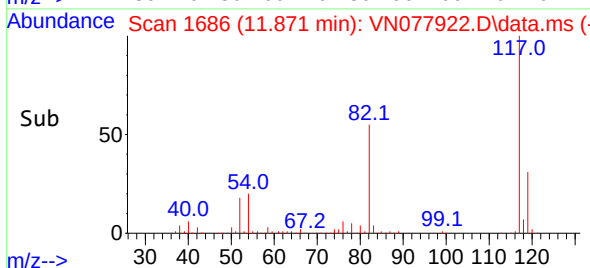
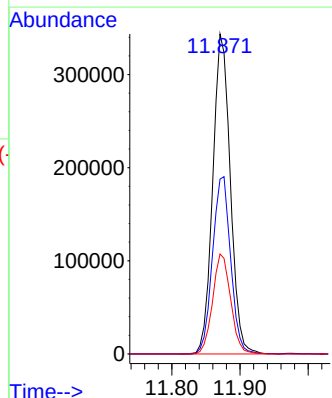
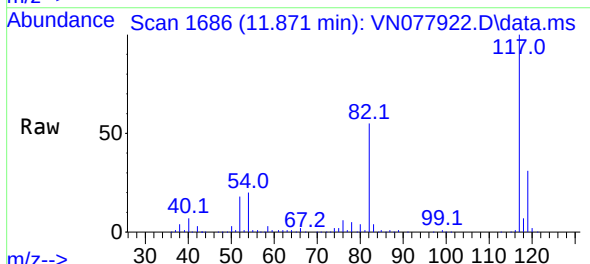
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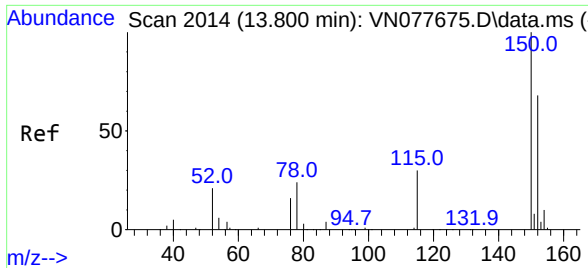
Tgt Ion: 95 Resp: 283129  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 143.8  
176 69.4 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.001 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

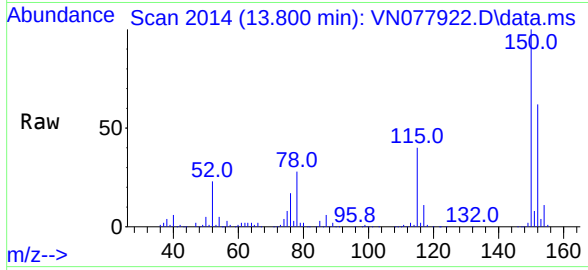
Tgt Ion: 117 Resp: 615475  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.0 66.0  
119 31.2 25.6 38.4





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VN077922.D  
Acq: 26 May 2023 13:06

Instrument :  
MSVOA\_N  
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Tgt Ion:152 Resp: 193161  
Ion Ratio Lower Upper  
152 100  
115 62.7 32.3 96.8  
150 159.9 0.0 355.8

