

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031023\  
 Data File : VN076928.D  
 Acq On : 10 Mar 2023 16:39  
 Operator : JC\MD  
 Sample : 01843-04DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE132D4-20230306DL

Quant Time: Mar 10 16:58:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 13:47:39 2023  
 Response via : Initial Calibration

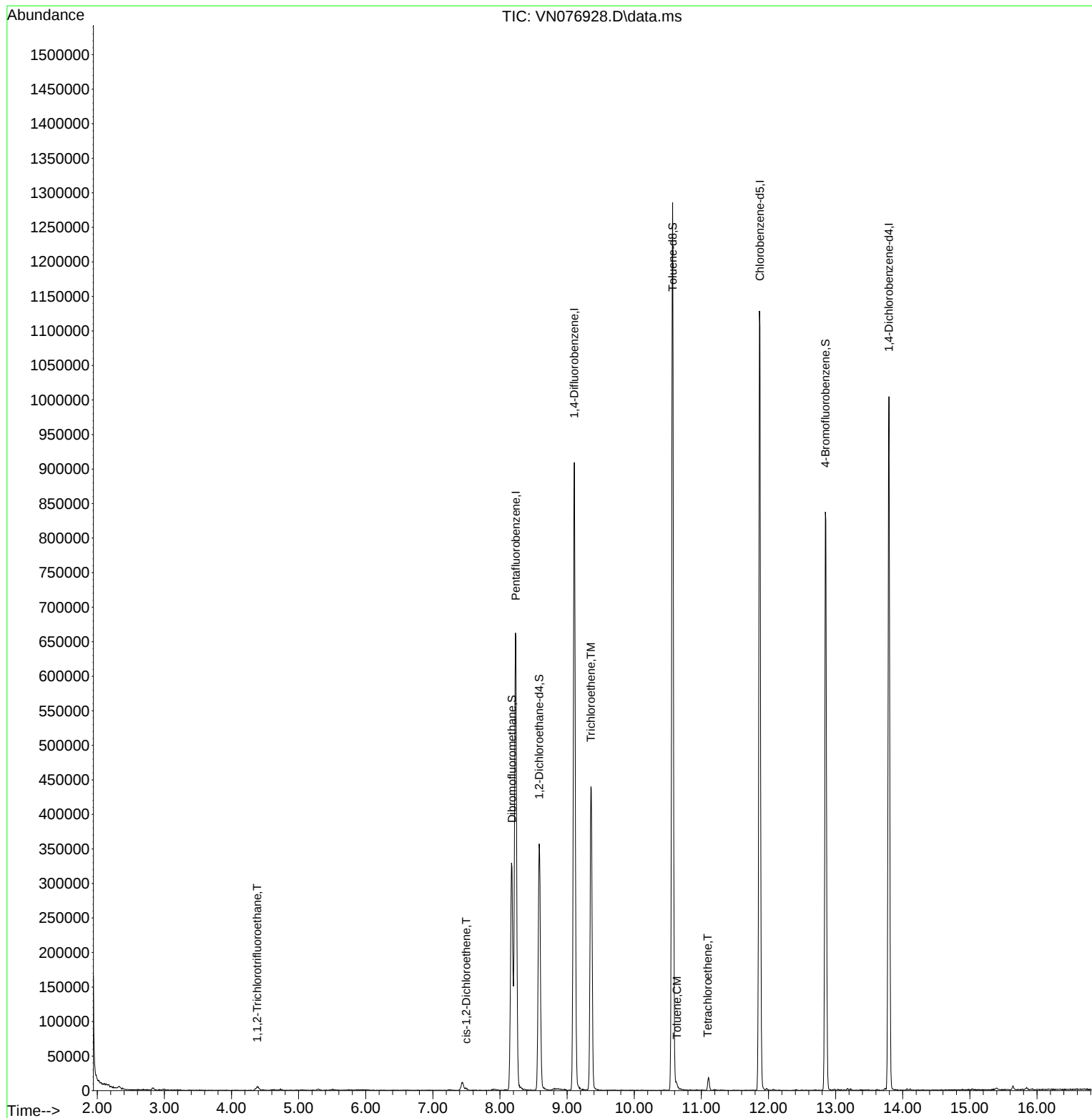
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.236  | 168   | 468746   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.107  | 114   | 764877   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 645350   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.795 | 152   | 261671   | 50.000   | ug/l   | 0.00     |
|                              |        |       |          |          |        |          |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583  | 65    | 322706   | 46.134   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 92.260%  |
| 35) Dibromofluoromethane     | 8.178  | 113   | 234816   | 46.064   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 92.120%  |
| 50) Toluene-d8               | 10.572 | 98    | 888165   | 47.275   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 94.540%  |
| 62) 4-Bromofluorobenzene     | 12.848 | 95    | 302592   | 44.034   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 88.060%  |
|                              |        |       |          |          |        |          |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.384  | 101   | 3455     | 0.615    | ug/l # | 79       |
| 27) cis-1,2-Dichloroethene   | 7.495  | 96    | 1486     | 0.234    | ug/l   | 97       |
| 44) Trichloroethene          | 9.354  | 130   | 160445   | 26.715   | ug/l   | 96       |
| 52) Toluene                  | 10.636 | 92    | 2983     | 0.209    | ug/l   | 80       |
| 64) Tetrachloroethene        | 11.095 | 164   | 4148     | 0.794    | ug/l # | 70       |
| -----                        |        |       |          |          |        |          |

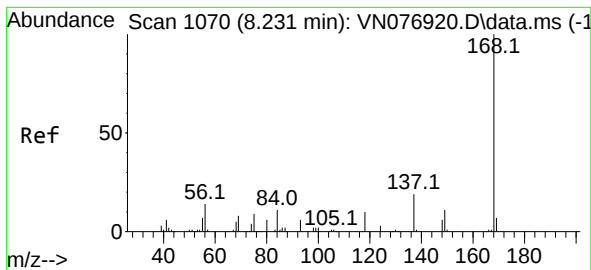
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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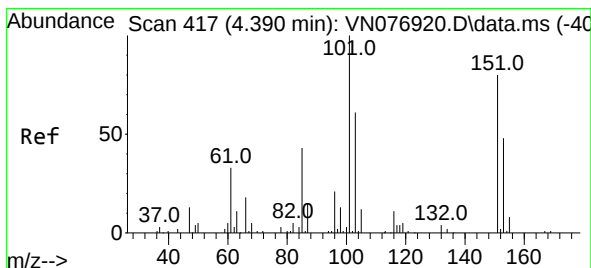
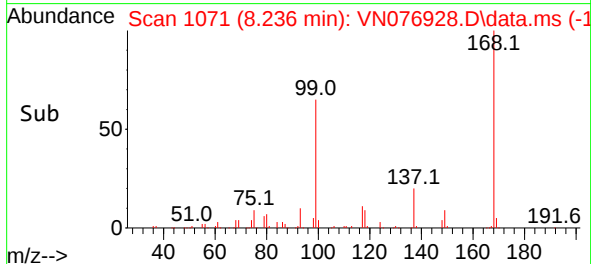
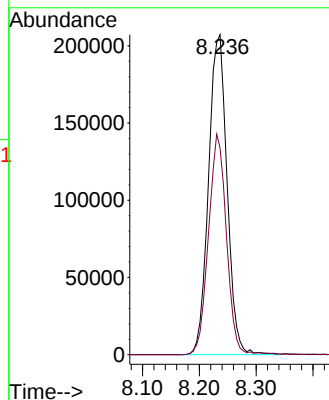
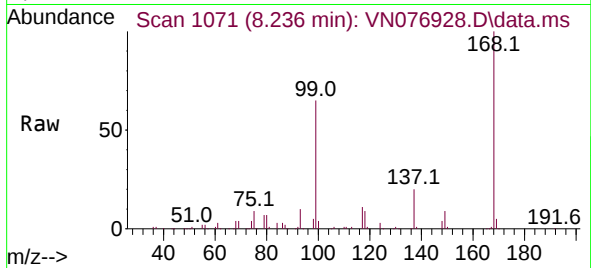




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1071  
Delta R.T. 0.005 min  
Lab File: VN076928.D  
Acq: 10 Mar 2023 16:39

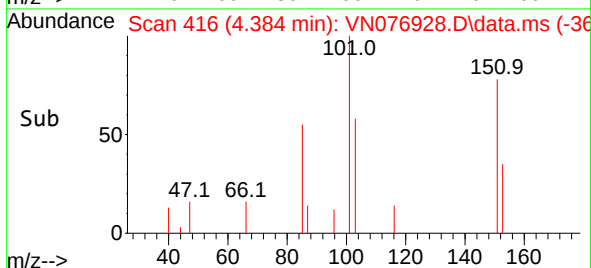
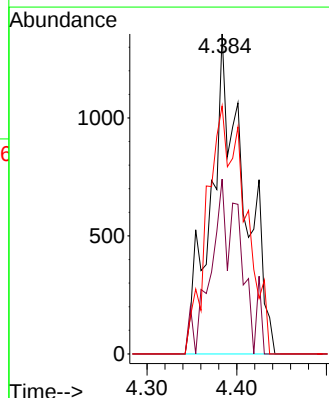
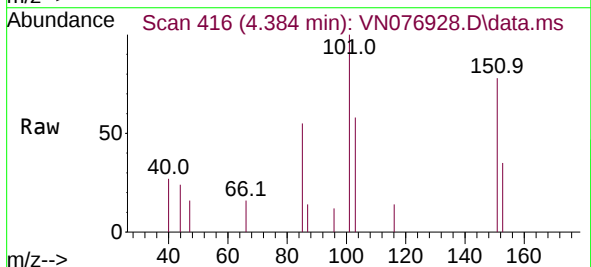
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE132D4-20230306DL

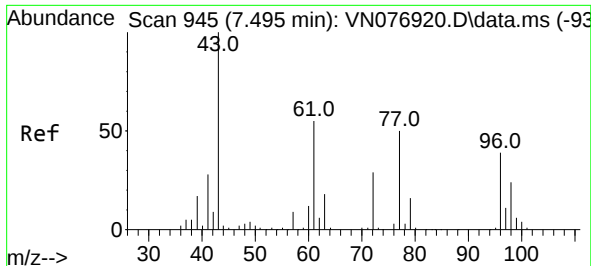
Tgt Ion:168 Resp: 468746  
Ion Ratio Lower Upper  
168 100  
99 64.6 48.6 73.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.615 ug/l  
RT: 4.384 min Scan# 416  
Delta R.T. -0.006 min  
Lab File: VN076928.D  
Acq: 10 Mar 2023 16:39

Tgt Ion:101 Resp: 3455  
Ion Ratio Lower Upper  
101 100  
85 27.5 35.2 52.8#  
151 88.6 58.9 88.3#





#27

cis-1,2-Dichloroethene

Concen: 0.234 ug/l

RT: 7.495 min Scan# 945

Delta R.T. -0.000 min

Lab File: VN076928.D

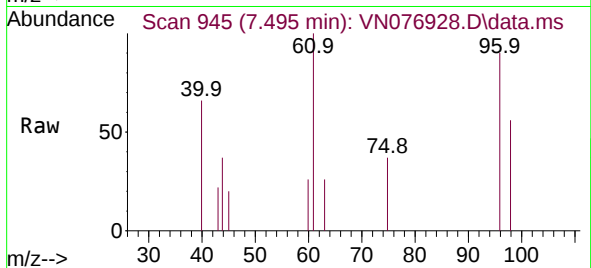
Acq: 10 Mar 2023 16:39

Instrument :

MSVOA\_N

ClientSampleId :

RE132D4-20230306DL



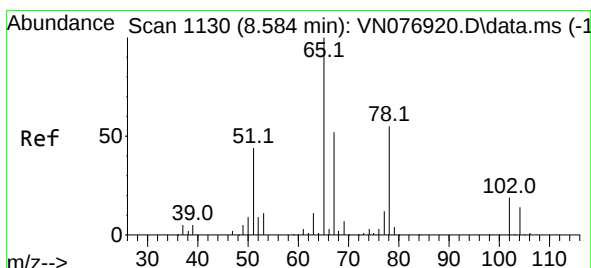
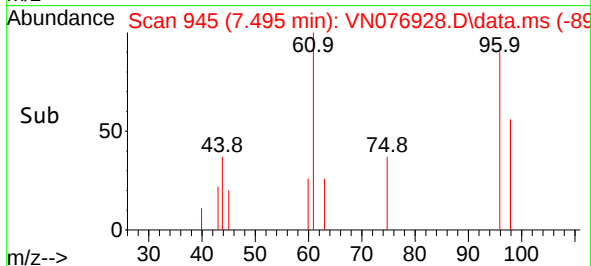
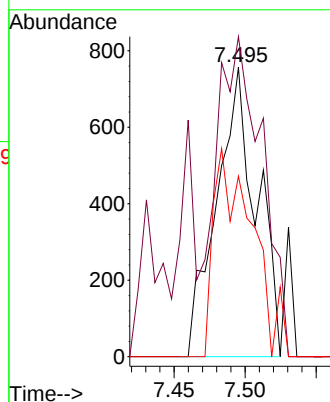
Tgt Ion: 96 Resp: 1486

Ion Ratio Lower Upper

96 100

61 127.7 0.0 255.6

98 69.7 0.0 127.4



#33

1,2-Dichloroethane-d4

Concen: 46.134 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076928.D

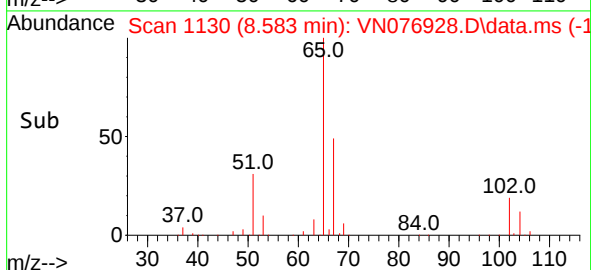
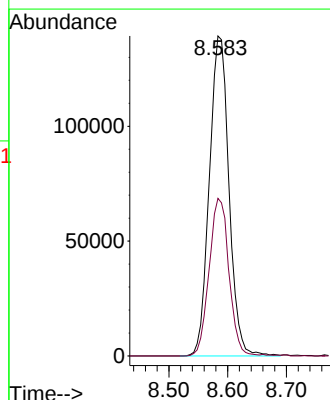
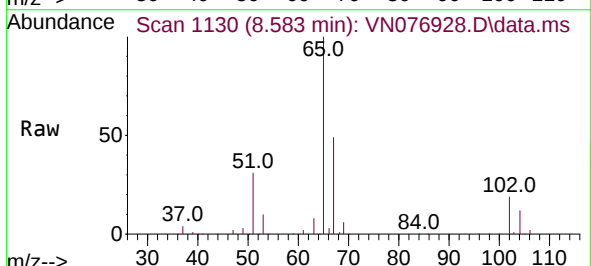
Acq: 10 Mar 2023 16:39

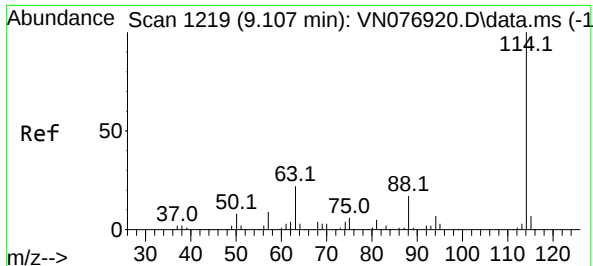
Tgt Ion: 65 Resp: 322706

Ion Ratio Lower Upper

65 100

67 49.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076928.D

Acq: 10 Mar 2023 16:39

Instrument :

MSVOA\_N

ClientSampleId :

RE132D4-20230306DL

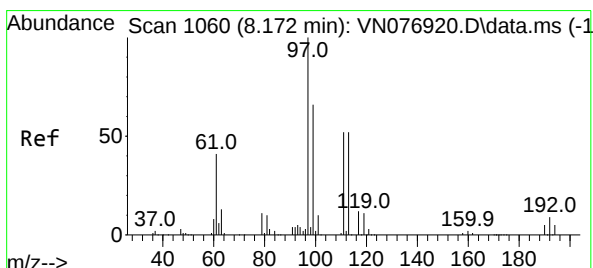
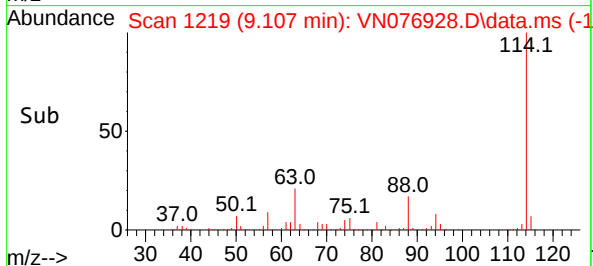
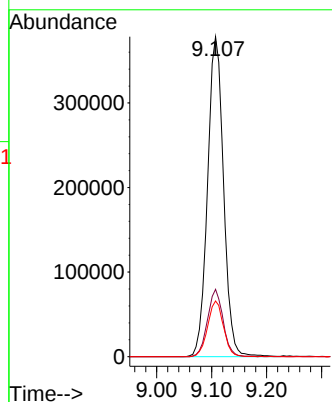
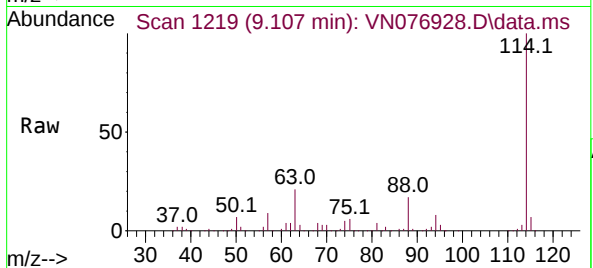
Tgt Ion:114 Resp: 764877

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.6

88 17.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.064 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076928.D

Acq: 10 Mar 2023 16:39

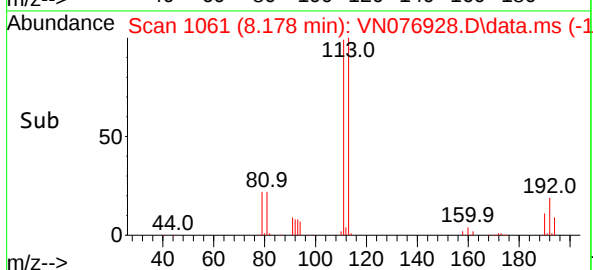
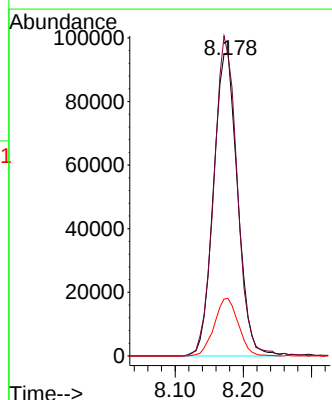
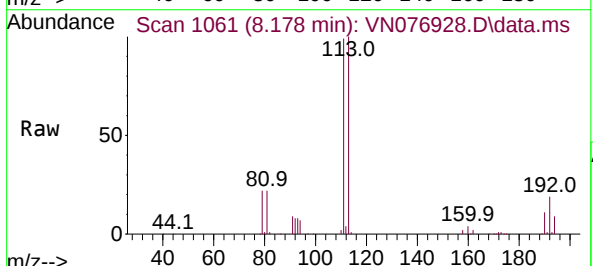
Tgt Ion:113 Resp: 234816

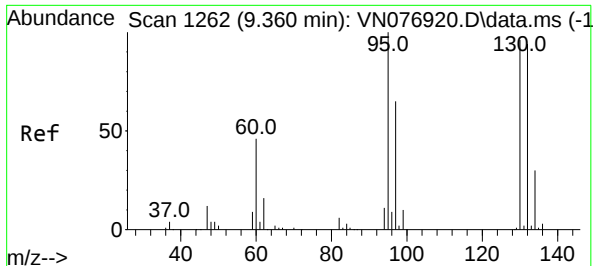
Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

192 19.0 13.9 20.9

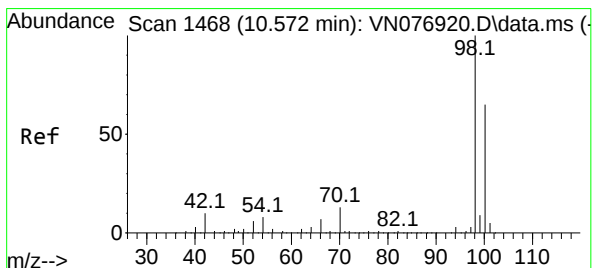
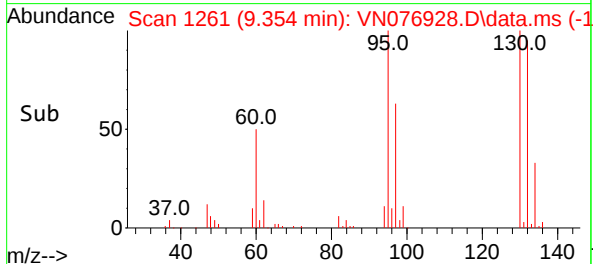
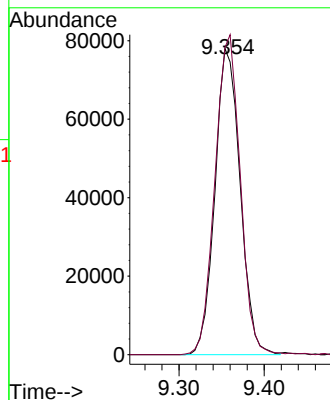
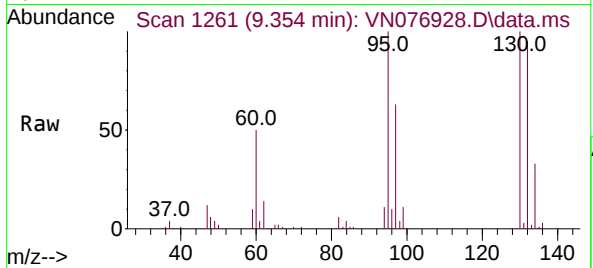




#44  
Trichloroethene  
Concen: 26.715 ug/l  
RT: 9.354 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN076928.D  
Acq: 10 Mar 2023 16:39

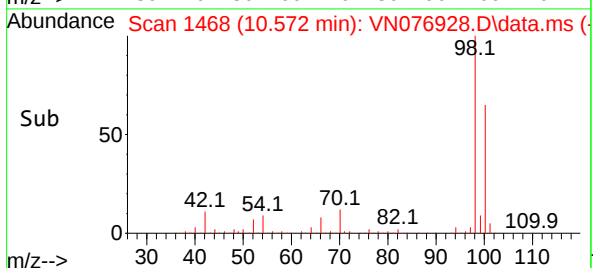
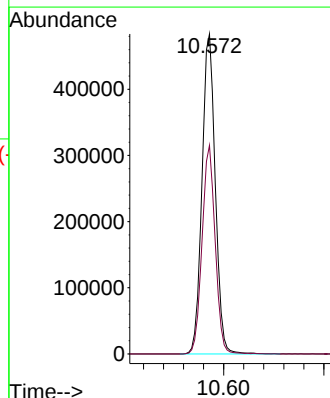
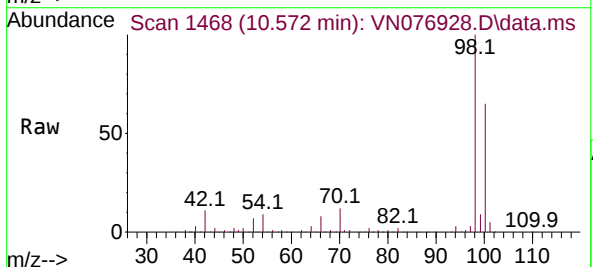
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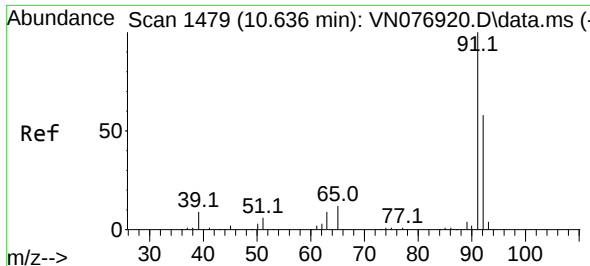
Tgt Ion:130 Resp: 160445  
Ion Ratio Lower Upper  
130 100  
95 100.3 0.0 208.6



#50  
Toluene-d8  
Concen: 47.275 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN076928.D  
Acq: 10 Mar 2023 16:39

Tgt Ion: 98 Resp: 888165  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.8 79.2

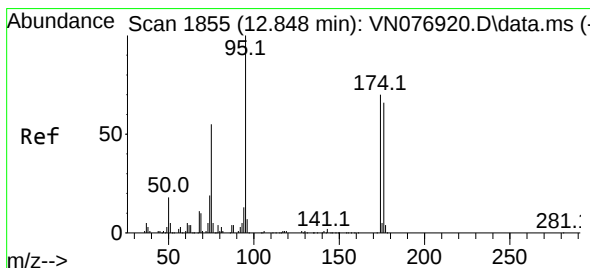
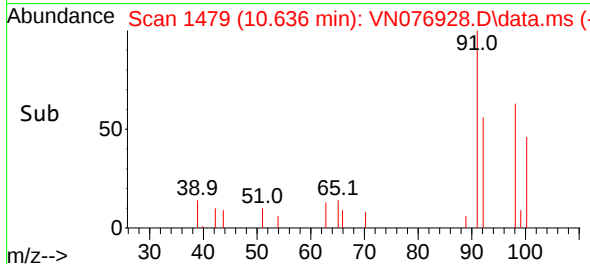
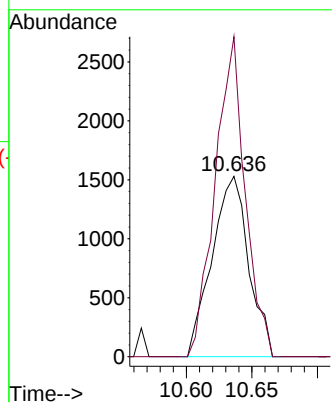
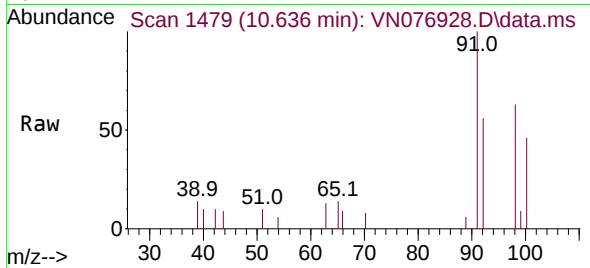




#52  
Toluene  
Concen: 0.209 ug/l  
RT: 10.636 min Scan# 1479  
Delta R.T. -0.000 min  
Lab File: VN076928.D  
Acq: 10 Mar 2023 16:39

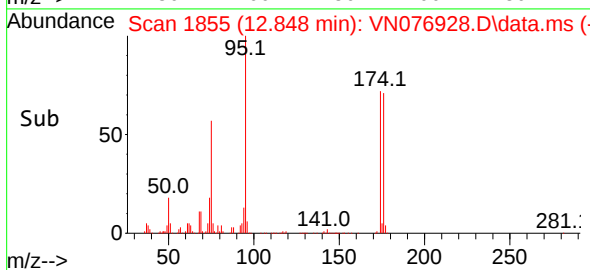
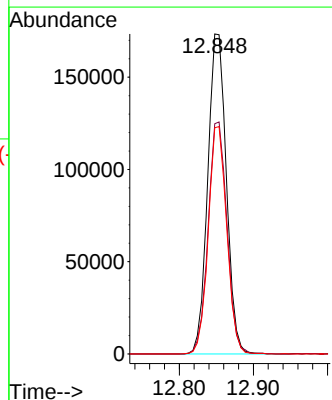
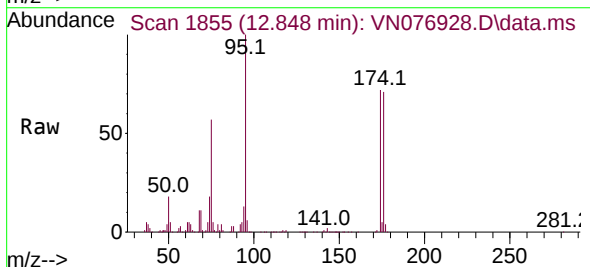
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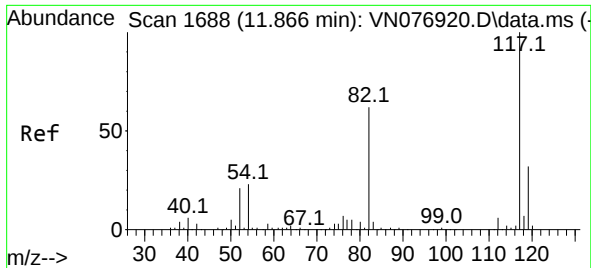
Tgt Ion: 92 Resp: 2983  
Ion Ratio Lower Upper  
92 100  
91 144.9 138.2 207.2



#62  
4-Bromofluorobenzene  
Concen: 44.034 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. -0.000 min  
Lab File: VN076928.D  
Acq: 10 Mar 2023 16:39

Tgt Ion: 95 Resp: 302592  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 162.4  
176 70.5 0.0 157.4

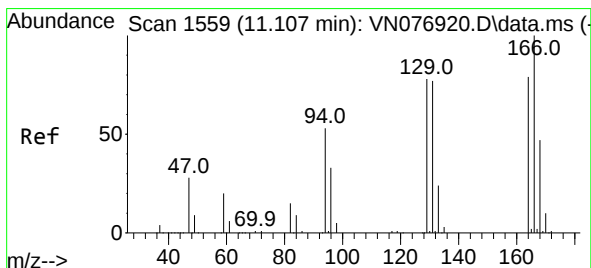
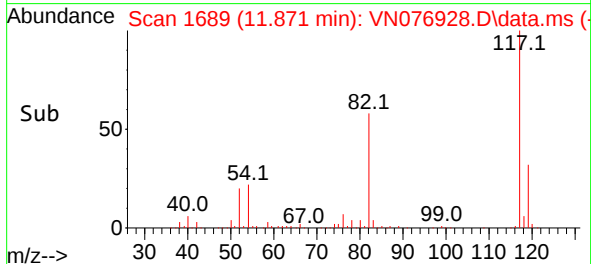
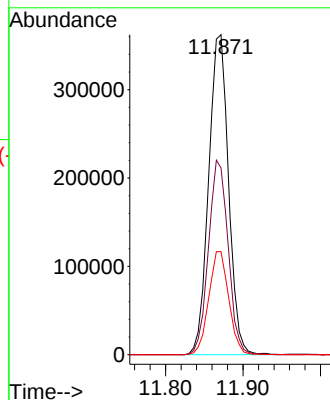
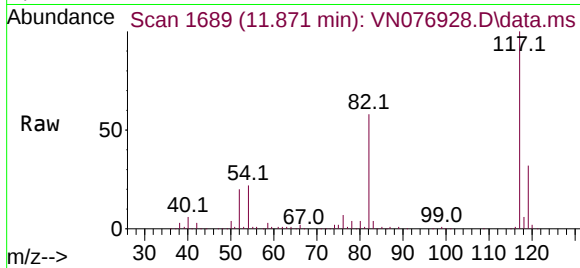




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN076928.D  
Acq: 10 Mar 2023 16:39

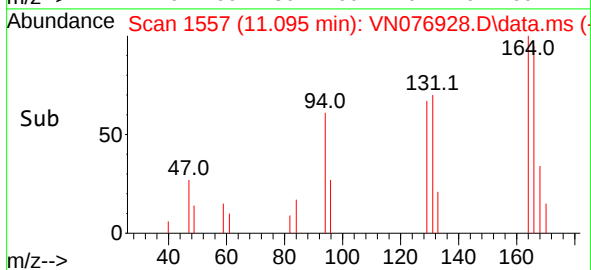
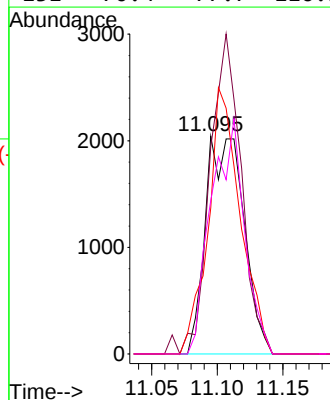
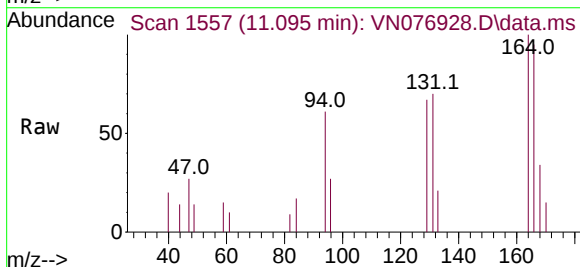
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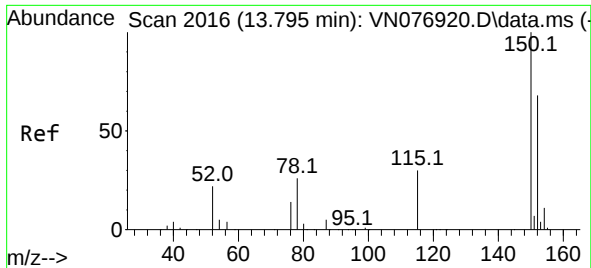
Tgt Ion:117 Resp: 645350  
Ion Ratio Lower Upper  
117 100  
82 58.3 43.5 65.3  
119 32.2 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.794 ug/l  
RT: 11.095 min Scan# 1557  
Delta R.T. -0.012 min  
Lab File: VN076928.D  
Acq: 10 Mar 2023 16:39

Tgt Ion:164 Resp: 4148  
Ion Ratio Lower Upper  
164 100  
166 95.3 102.7 154.1#  
129 67.1 81.5 122.3#  
131 70.4 77.7 116.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN076928.D

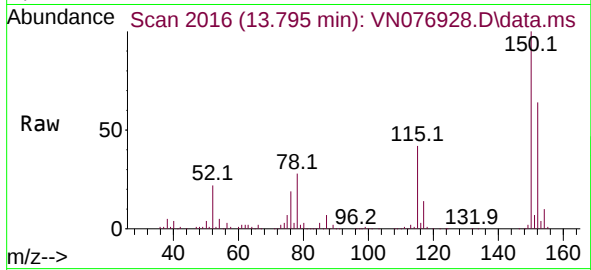
Acq: 10 Mar 2023 16:39

Instrument :

MSVOA\_N

ClientSampleId :

RE132D4-20230306DL



Tgt Ion:152 Resp: 261671

Ion Ratio Lower Upper

152 100

115 66.2 30.3 90.9

150 159.6 0.0 353.6

