

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076971.D
 Acq On : 13 Mar 2023 18:57
 Operator : JC\MD
 Sample : 01880-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20230310

Quant Time: Mar 14 07:06:24 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)

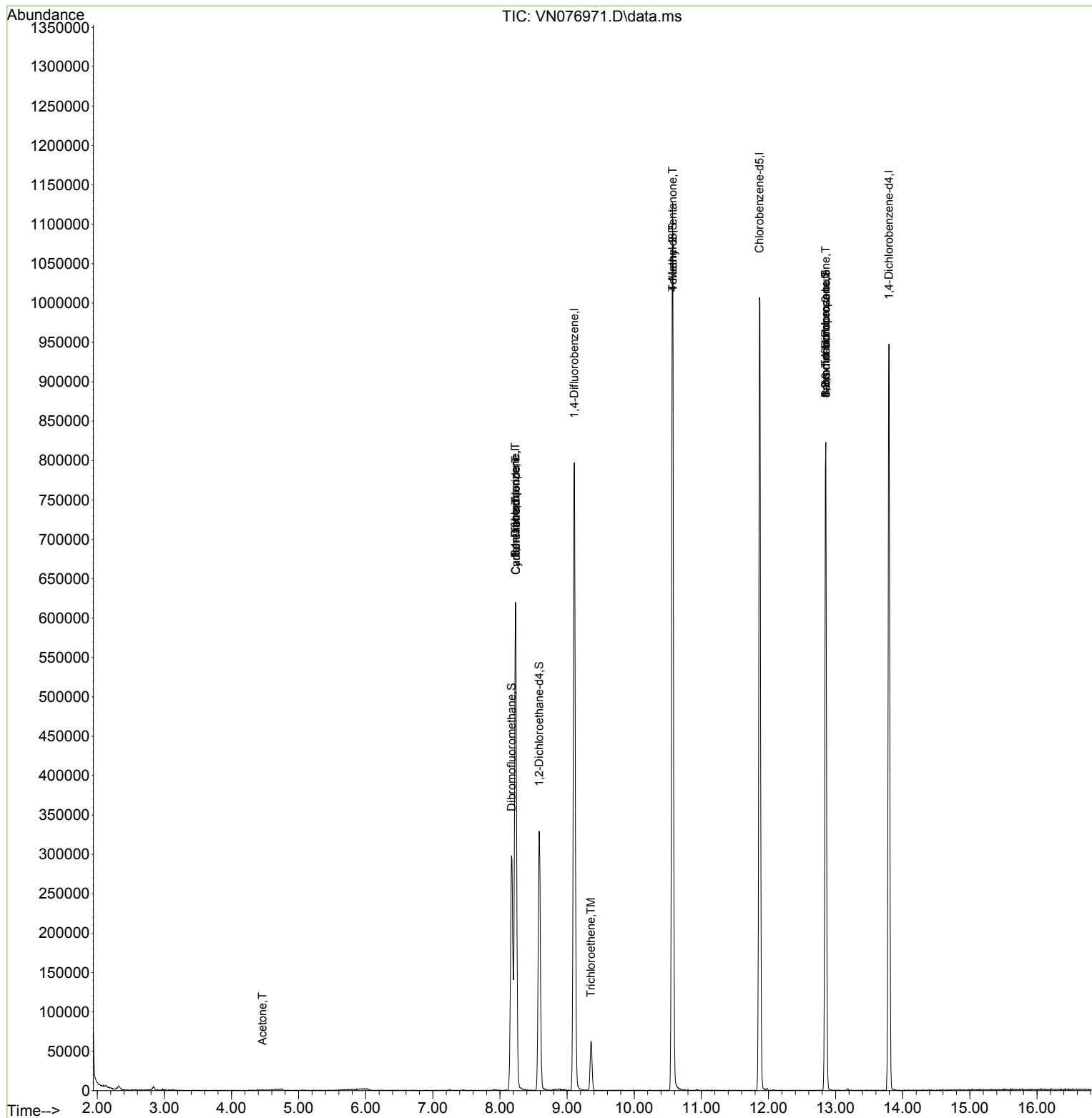
Internal Standards						
1) Pentafluorobenzene	8.231	168	426453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	669973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	583767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	247383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	302784	47.579	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.160%		
35) Dibromofluoromethane	8.172	113	215902	48.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.700%		
50) Toluene-d8	10.572	98	785083	47.707	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.420%		
62) 4-Bromofluorobenzene	12.854	95	287686	47.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.600%		
Target Compounds					Qvalue	
16) Acetone	4.460	43	603	0.273	ug/l #	40
31) Cyclohexane	8.236	56	9859	1.080	ug/l #	42
36) 1,1-Dichloropropene	8.231	75	35546	5.147	ug/l #	50
38) Carbon Tetrachloride	8.236	117	49661	6.144	ug/l #	17
44) Trichloroethene	9.354	130	22153	4.211	ug/l	84
51) 4-Methyl-2-Pentanone	10.572	43	3534	0.603	ug/l #	1
71) Bromoform	12.854	173	1156	0.313	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	165004	27.511	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	165004	89.866	ug/l #	15

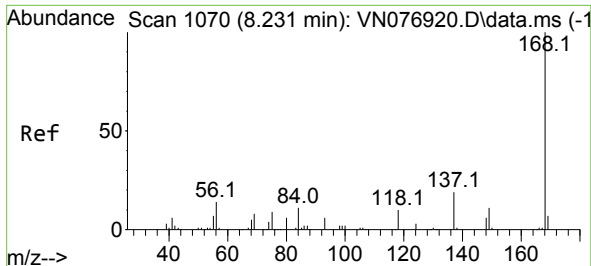
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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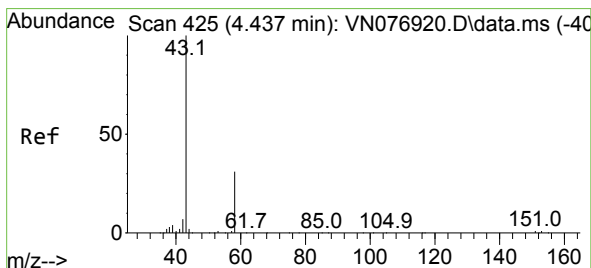
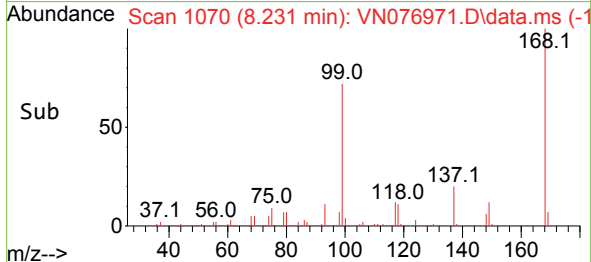
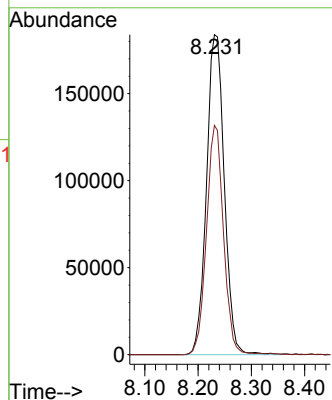
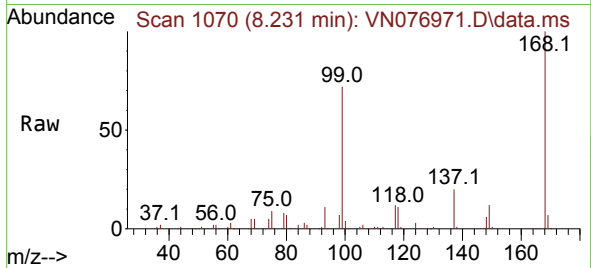




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076971.D
Acq: 13 Mar 2023 18:57

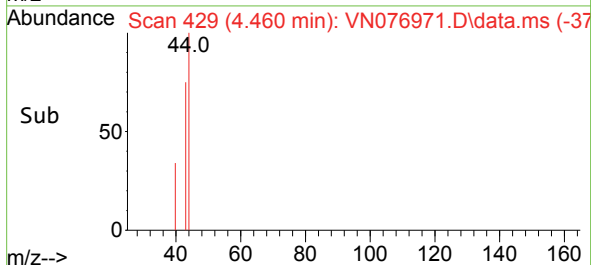
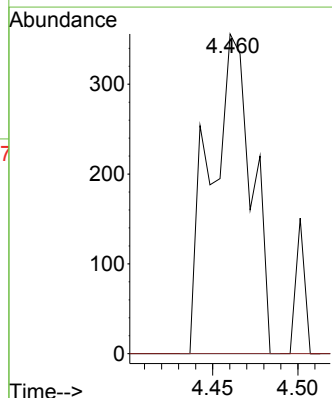
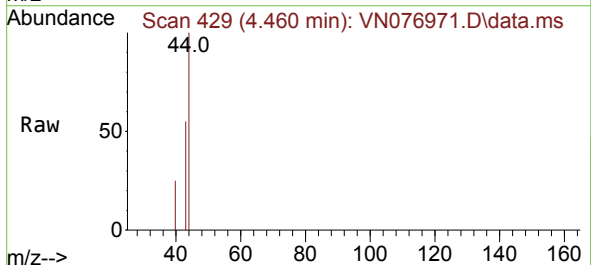
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20230310

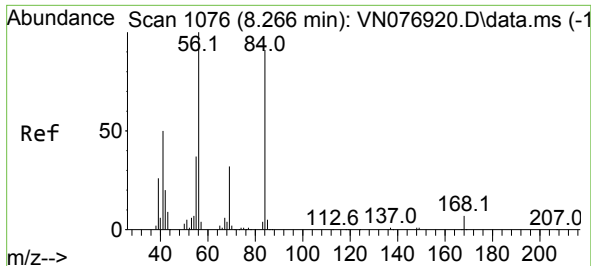
Tgt Ion:168 Resp: 426453
Ion Ratio Lower Upper
168 100
99 71.6 48.6 73.0



#16
Acetone
Concen: 0.273 ug/l
RT: 4.460 min Scan# 429
Delta R.T. 0.023 min
Lab File: VN076971.D
Acq: 13 Mar 2023 18:57

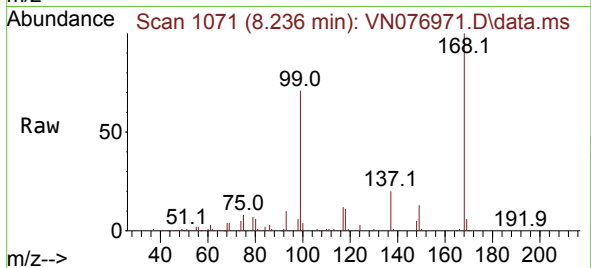
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



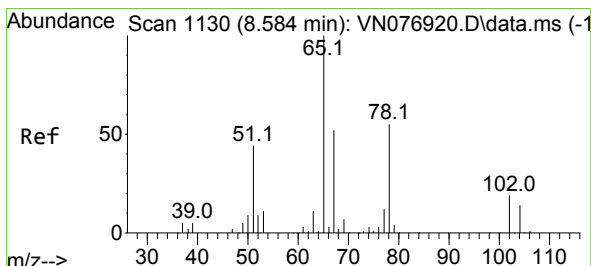
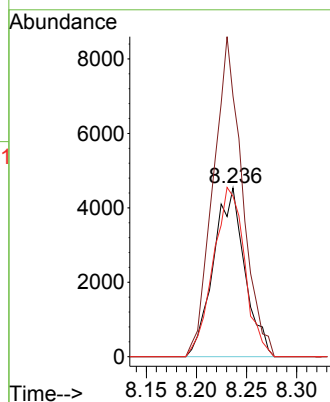
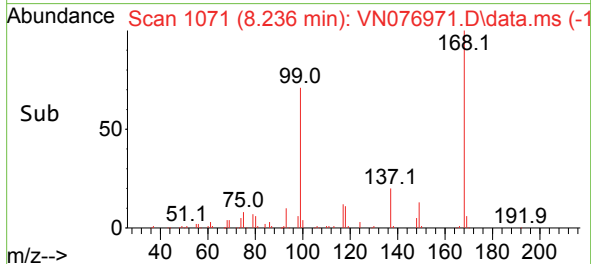


#31
Cyclohexane
Concen: 1.080 ug/l
RT: 8.236 min Scan# 1076
Delta R.T. -0.030 min
Lab File: VN076971.D
Acq: 13 Mar 2023 18:57

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20230310

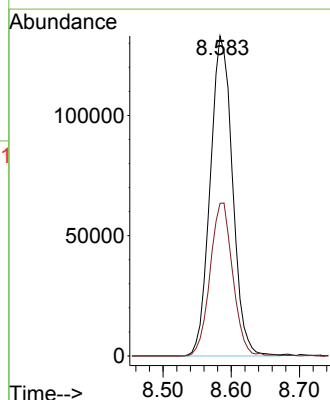
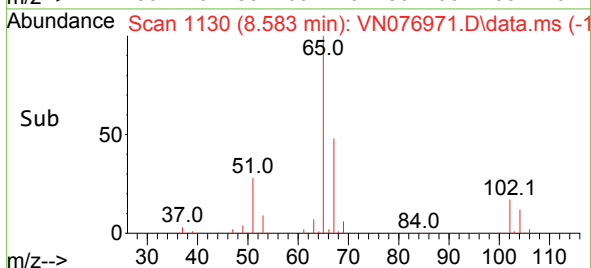
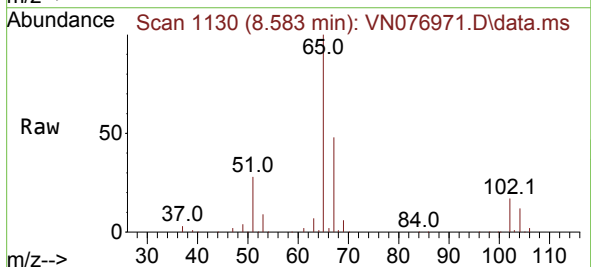


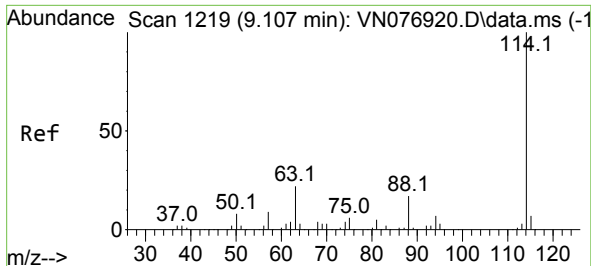
Tgt Ion: 56 Resp: 9859
Ion Ratio Lower Upper
56 100
69 154.5 27.0 40.6#
84 95.1 82.9 124.3



#33
1,2-Dichloroethane-d4
Concen: 47.579 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076971.D
Acq: 13 Mar 2023 18:57

Tgt Ion: 65 Resp: 302784
Ion Ratio Lower Upper
65 100
67 48.7 0.0 107.2

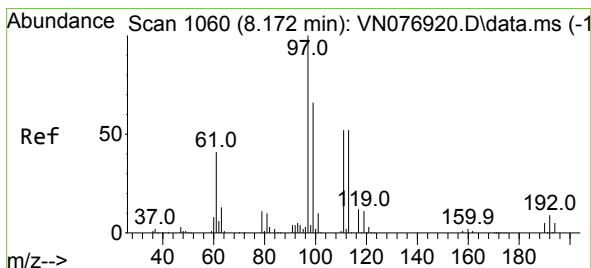
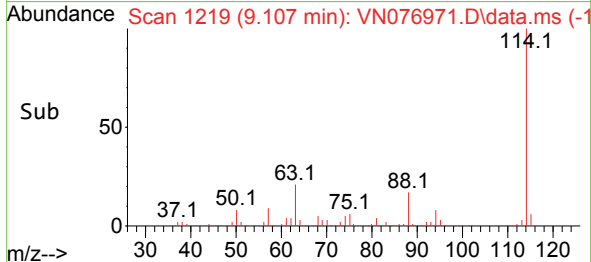
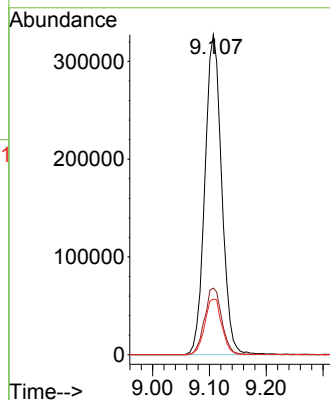
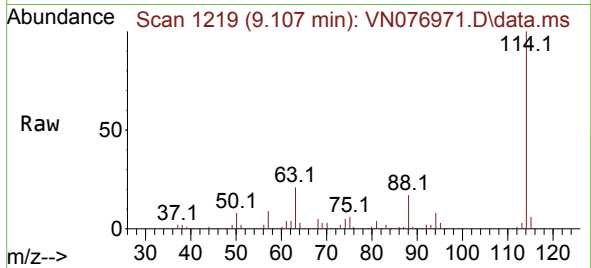




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076971.D
Acq: 13 Mar 2023 18:57

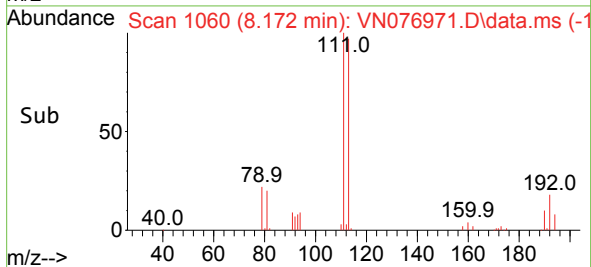
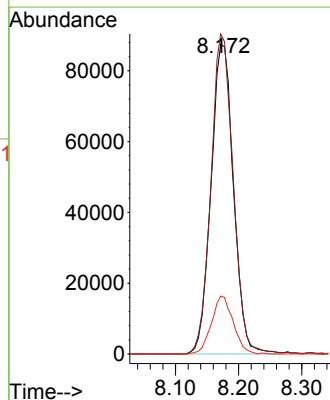
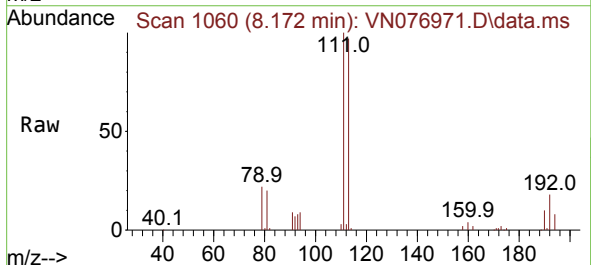
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20230310

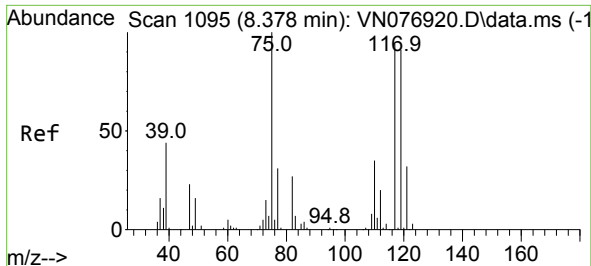
Tgt Ion:114 Resp: 669973
Ion Ratio Lower Upper
114 100
63 20.8 0.0 36.6
88 17.4 0.0 28.6



#35
Dibromofluoromethane
Concen: 48.353 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076971.D
Acq: 13 Mar 2023 18:57

Tgt Ion:113 Resp: 215902
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 18.0 13.9 20.9





#36

1,1-Dichloropropene

Concen: 5.147 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN076971.D

Acq: 13 Mar 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20230310

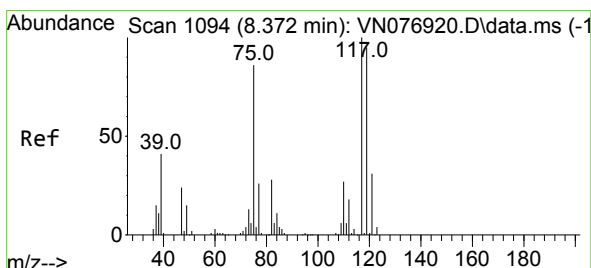
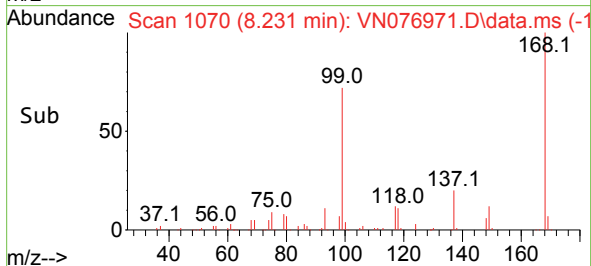
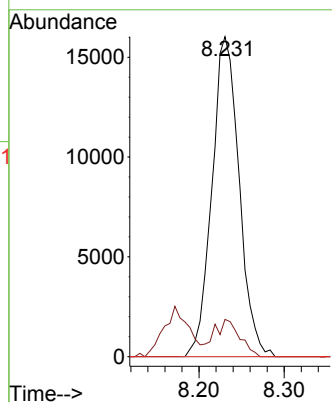
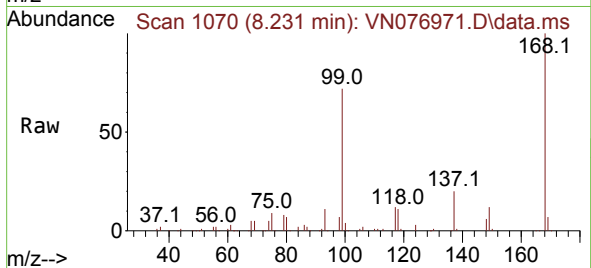
Tgt Ion: 75 Resp: 35546

Ion Ratio Lower Upper

75 100

110 11.2 18.9 56.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.144 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.136 min

Lab File: VN076971.D

Acq: 13 Mar 2023 18:57

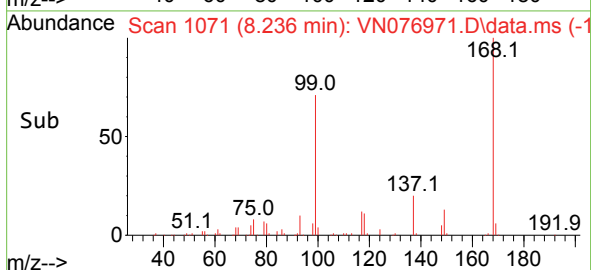
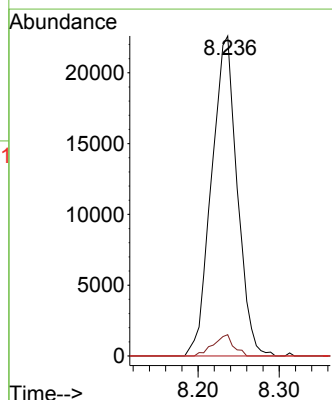
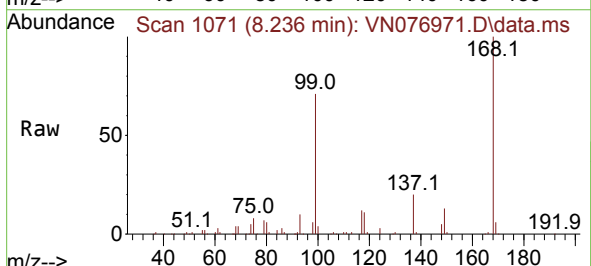
Tgt Ion: 117 Resp: 49661

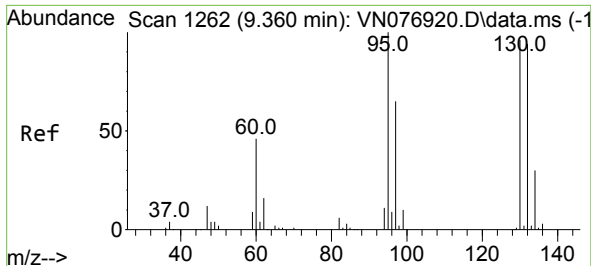
Ion Ratio Lower Upper

117 100

119 6.6 76.9 115.3#

121 0.0 23.2 34.8#

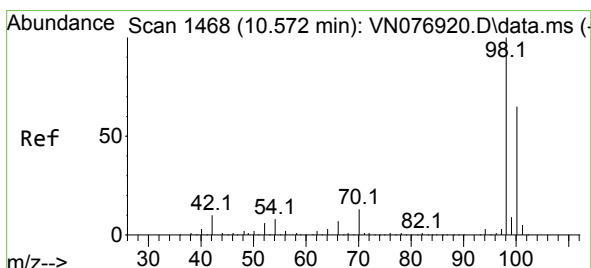
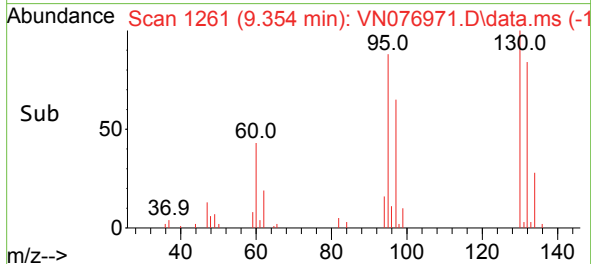
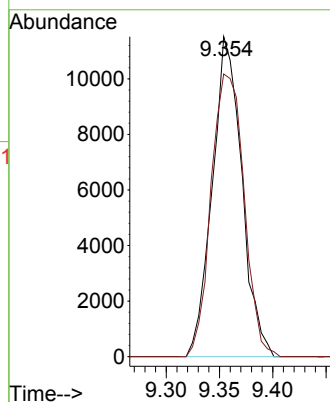
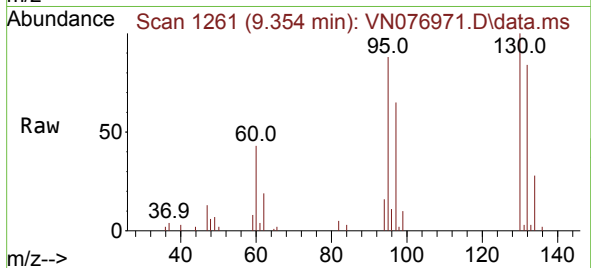




#44
Trichloroethene
Concen: 4.211 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VN076971.D
Acq: 13 Mar 2023 18:57

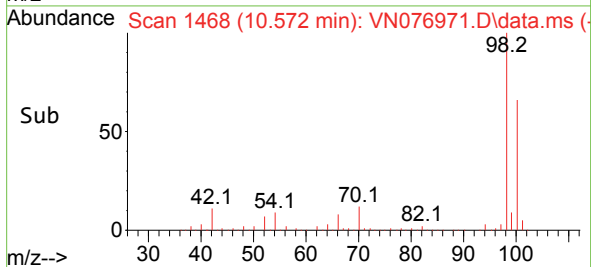
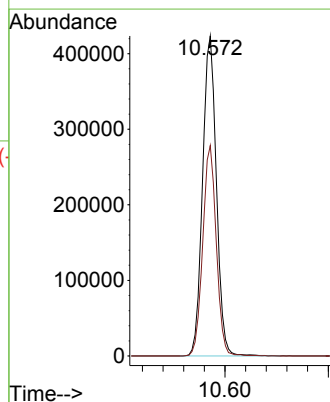
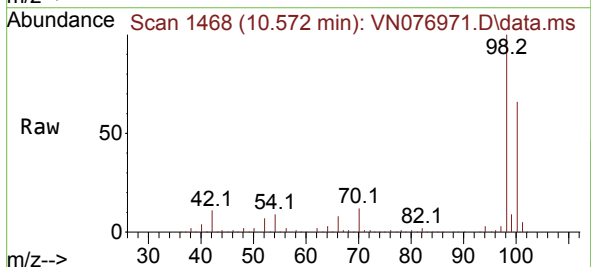
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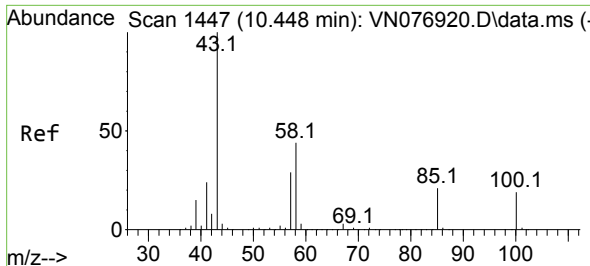
Tgt Ion:130 Resp: 22153
Ion Ratio Lower Upper
130 100
95 88.3 0.0 208.6



#50
Toluene-d8
Concen: 47.707 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076971.D
Acq: 13 Mar 2023 18:57

Tgt Ion: 98 Resp: 785083
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 0.603 ug/l

RT: 10.572 min Scan# 1447

Delta R.T. 0.124 min

Lab File: VN076971.D

Acq: 13 Mar 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

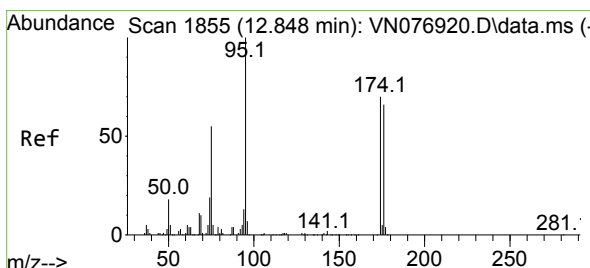
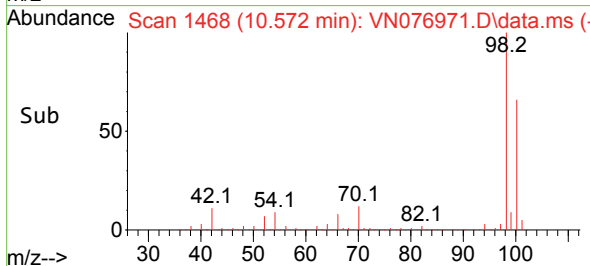
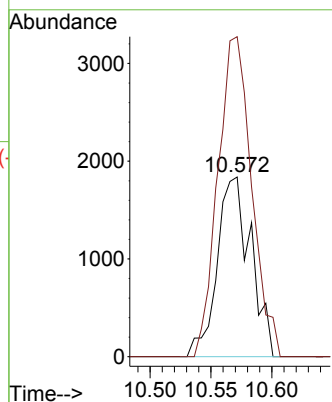
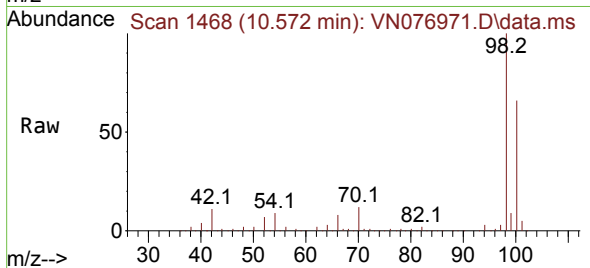
RE120D3-20230310

Tgt Ion: 43 Resp: 3534

Ion Ratio Lower Upper

43 100

58 178.7 37.4 56.0#



#62

4-Bromofluorobenzene

Concen: 47.795 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN076971.D

Acq: 13 Mar 2023 18:57

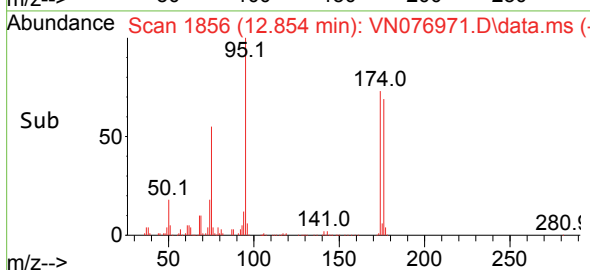
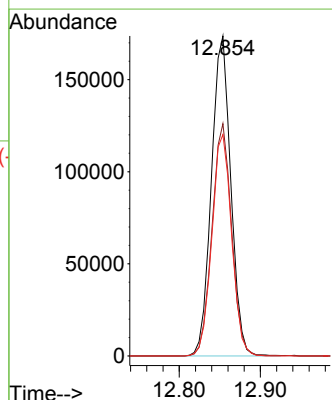
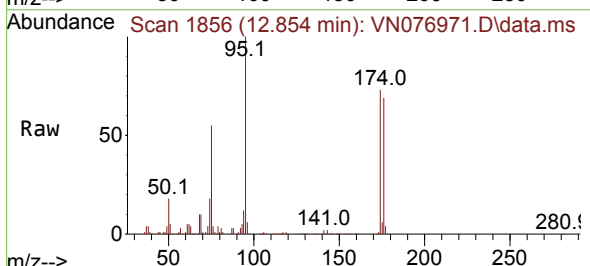
Tgt Ion: 95 Resp: 287686

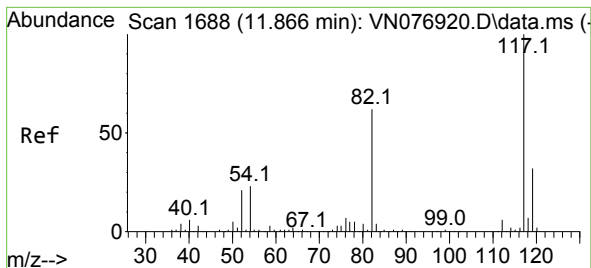
Ion Ratio Lower Upper

95 100

174 73.6 0.0 162.4

176 70.6 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076971.D

Acq: 13 Mar 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20230310

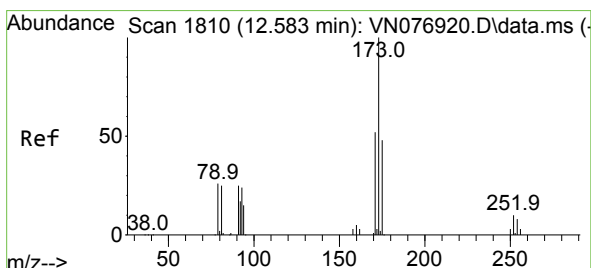
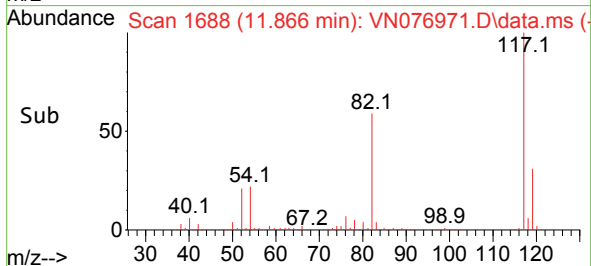
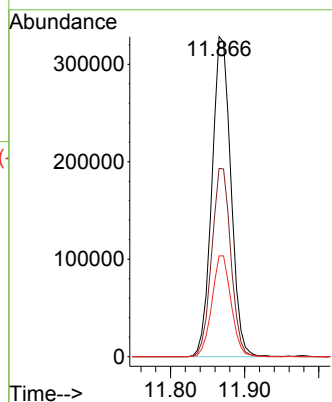
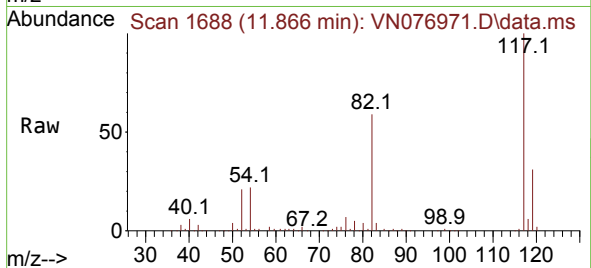
Tgt Ion:117 Resp: 583767

Ion Ratio Lower Upper

117 100

82 58.9 43.5 65.3

119 31.5 25.5 38.3



#71

Bromoform

Concen: 0.313 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.271 min

Lab File: VN076971.D

Acq: 13 Mar 2023 18:57

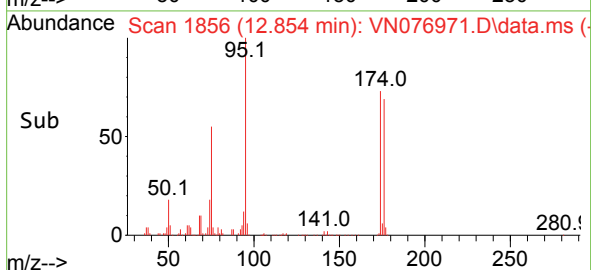
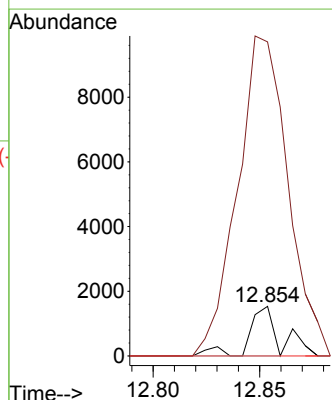
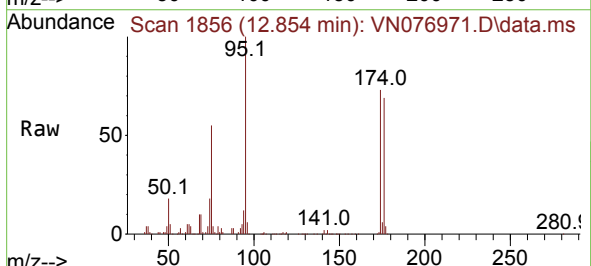
Tgt Ion:173 Resp: 1156

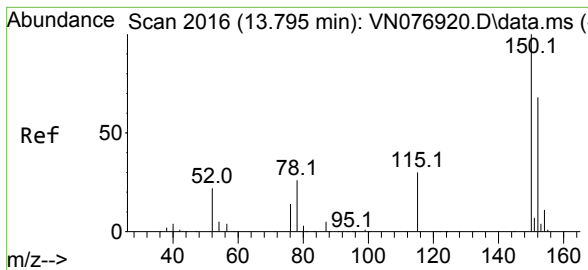
Ion Ratio Lower Upper

173 100

175 1197.3 24.9 74.6#

254 0.0 0.0 0.0

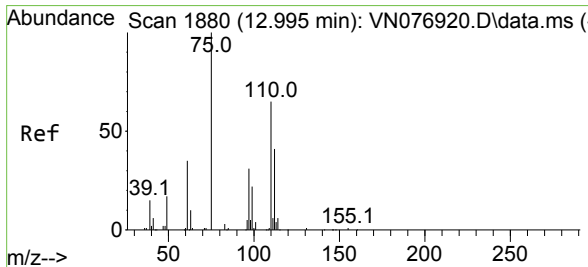
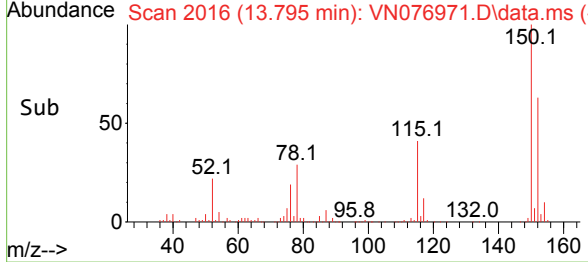
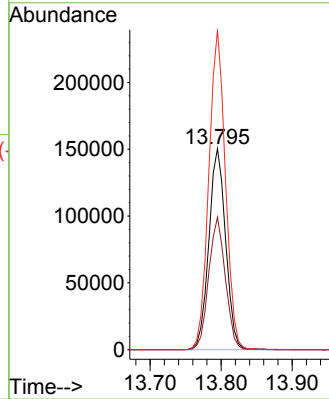
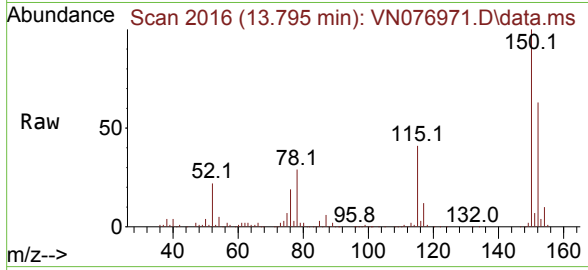




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN076971.D
 Acq: 13 Mar 2023 18:57

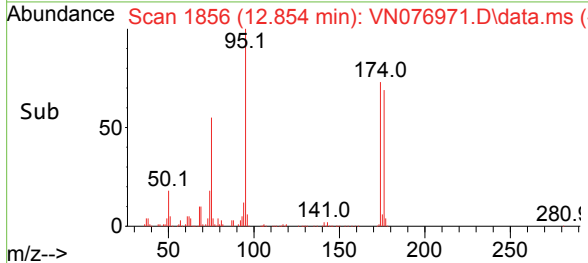
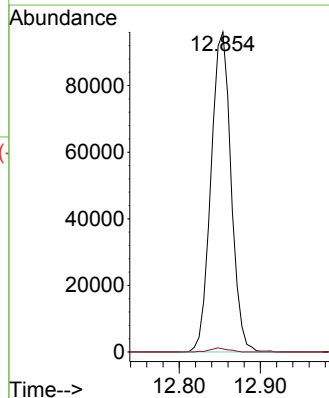
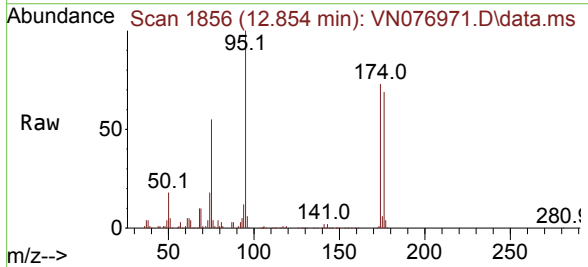
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20230310

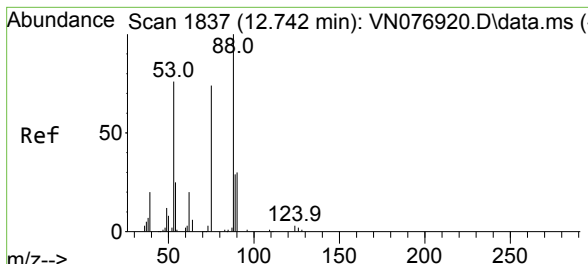
Tgt Ion:152 Resp: 247383
 Ion Ratio Lower Upper
 152 100
 115 65.3 30.3 90.9
 150 156.7 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 27.511 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN076971.D
 Acq: 13 Mar 2023 18:57

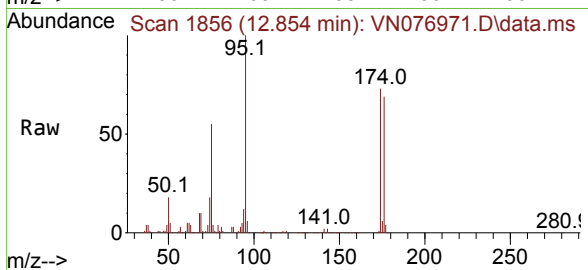
Tgt Ion: 75 Resp: 165004
 Ion Ratio Lower Upper
 75 100
 77 1.1 93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.866 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN076971.D
 Acq: 13 Mar 2023 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20230310



Tgt Ion: 75 Resp: 165004
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

