

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077976.D
 Acq On : 30 May 2023 17:51
 Operator : JC\MD
 Sample : 02911-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D1-20230523

Quant Time: May 31 02:10:29 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)

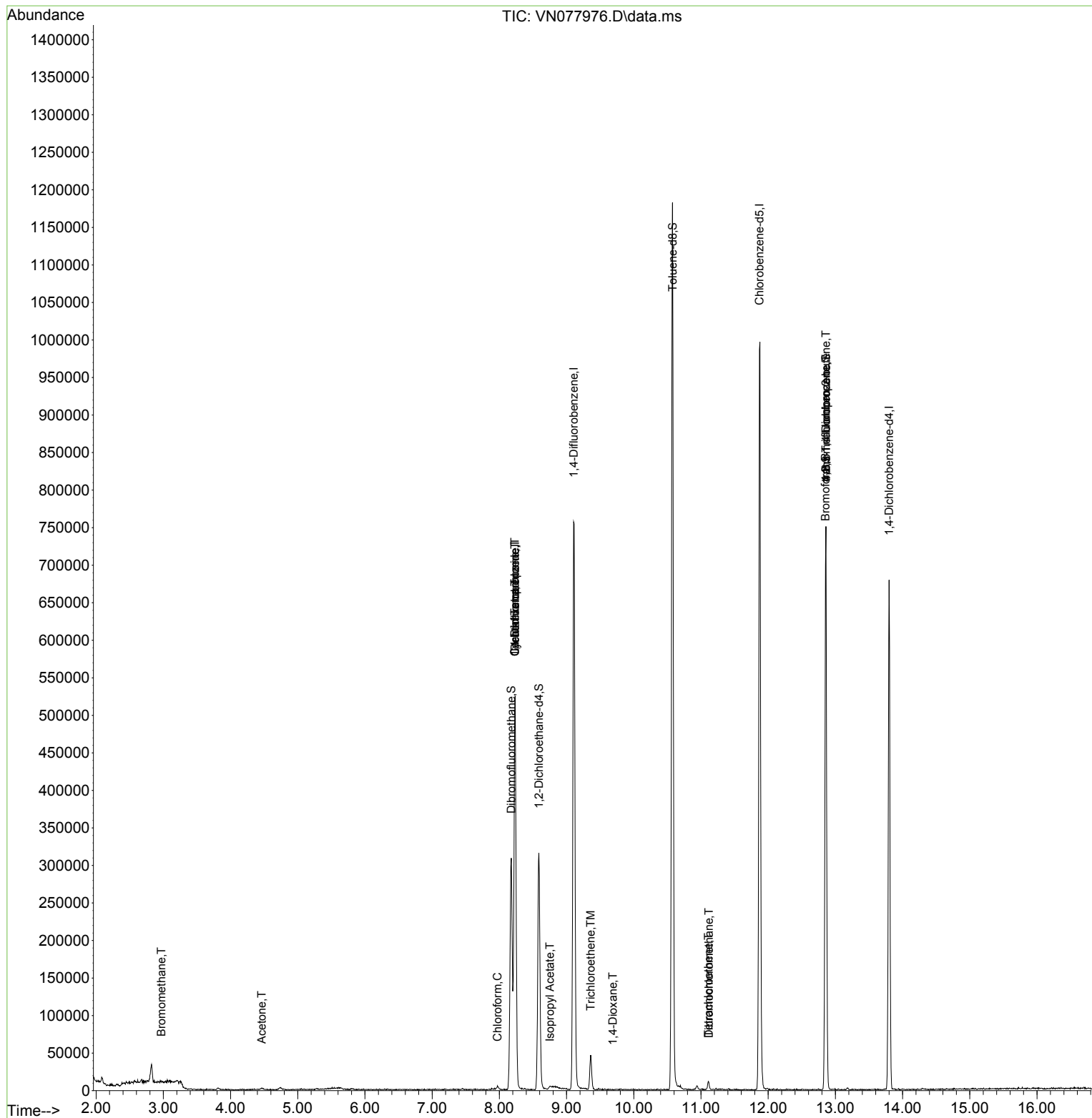
Internal Standards						
1) Pentafluorobenzene	8.235	168	369686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	688765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	595180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	179780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	262262	47.413	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.820%		
35) Dibromofluoromethane	8.177	113	221936	49.414	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.820%		
50) Toluene-d8	10.576	98	842690	48.745	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.859	95	265983	43.564	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.120%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1515	Below Cal	#	84
5) Bromomethane	2.971	94	1182	0.301	ug/l #	80
16) Acetone	4.465	43	2443	1.404	ug/l #	40
20) Methylene Chloride	5.294	84	379	Below Cal	#	13
30) Chloroform	7.971	83	4737	0.525	ug/l #	76
31) Cyclohexane	8.230	56	9216	1.226	ug/l #	57
36) 1,1-Dichloropropene	8.230	75	33629	5.119	ug/l #	48
38) Carbon Tetrachloride	8.230	117	42055	6.340	ug/l #	18
43) Isopropyl Acetate	8.753	43	2165	0.226	ug/l #	49
44) Trichloroethene	9.359	130	15117	3.080	ug/l	99
49) 1,4-Dioxane	9.688	88	53	0.619	ug/l #	30
60) Dibromochloromethane	11.118	129	2451	0.495	ug/l #	11
64) Tetrachloroethene	11.112	164	2669	0.641	ug/l #	88
71) Bromoform	12.853	173	1081	0.364	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	143166	31.798	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	143166	101.643	ug/l #	15

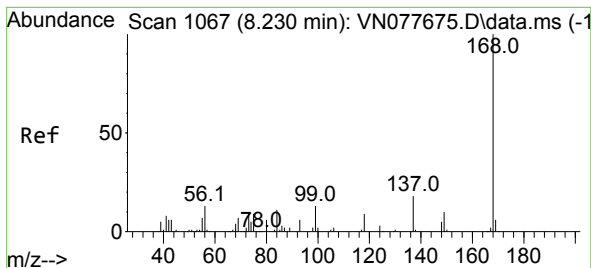
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN077976.D

Acq: 30 May 2023 17:51

Instrument :

MSVOA_N

ClientSampleId :

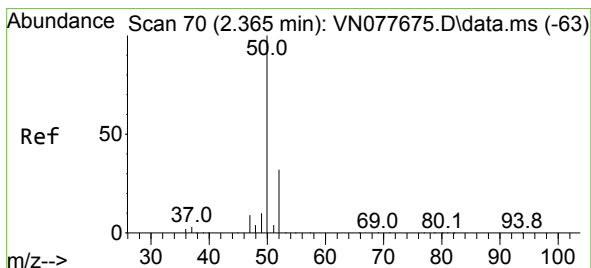
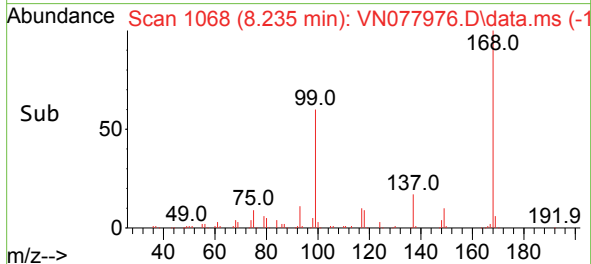
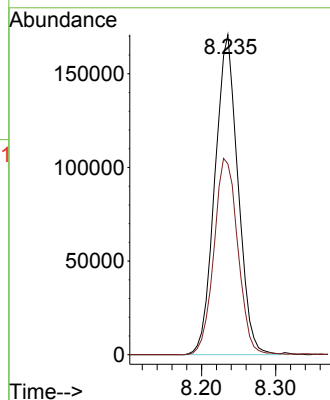
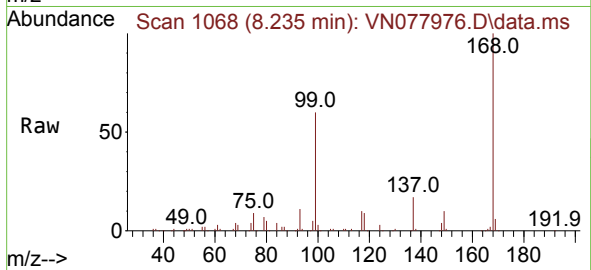
RE134D1-20230523

Tgt Ion:168 Resp: 369686

Ion Ratio Lower Upper

168 100

99 59.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN077976.D

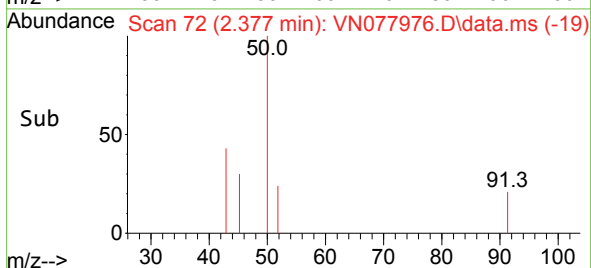
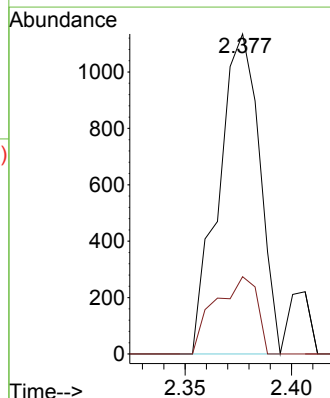
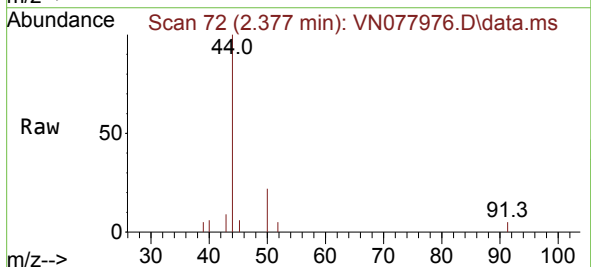
Acq: 30 May 2023 17:51

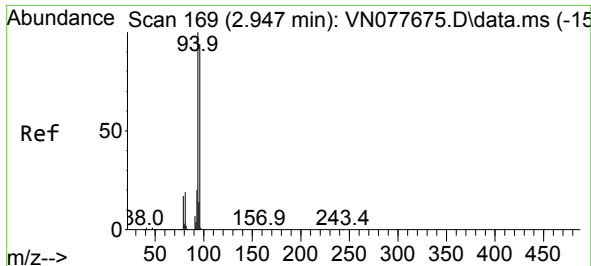
Tgt Ion: 50 Resp: 1515

Ion Ratio Lower Upper

50 100

52 24.1 26.5 39.7#

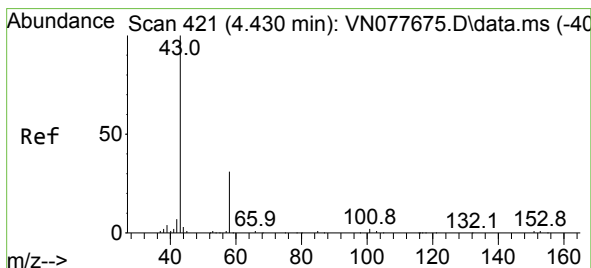
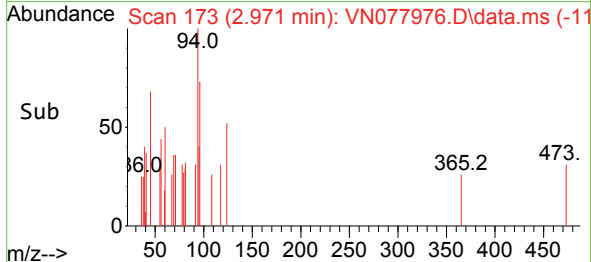
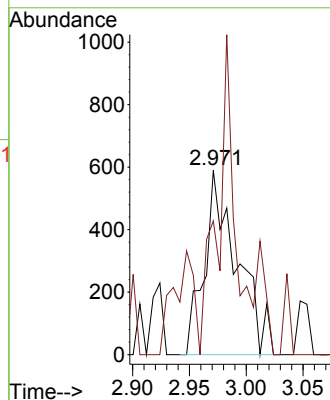
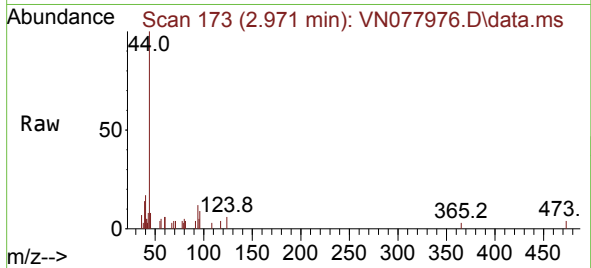




#5
Bromomethane
Concen: 0.301 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

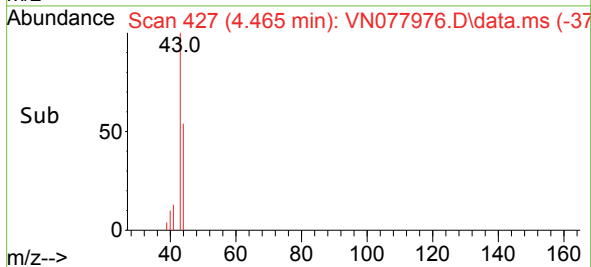
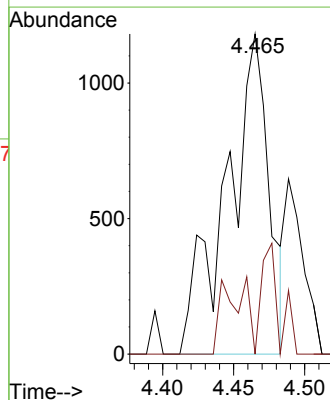
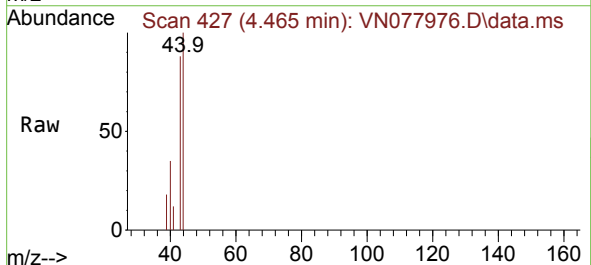
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20230523

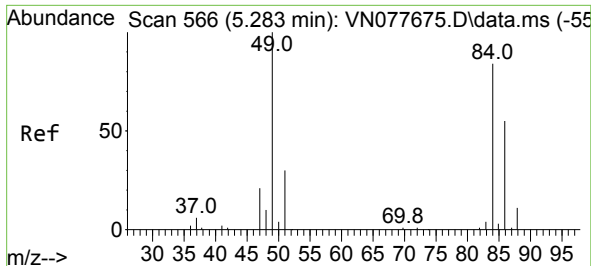
Tgt Ion: 94 Resp: 1182
Ion Ratio Lower Upper
94 100
96 72.5 73.1 109.7#



#16
Acetone
Concen: 1.404 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.035 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Tgt Ion: 43 Resp: 2443
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

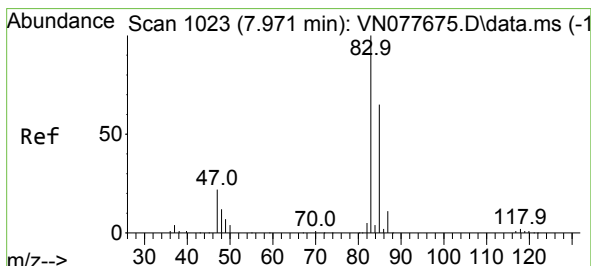
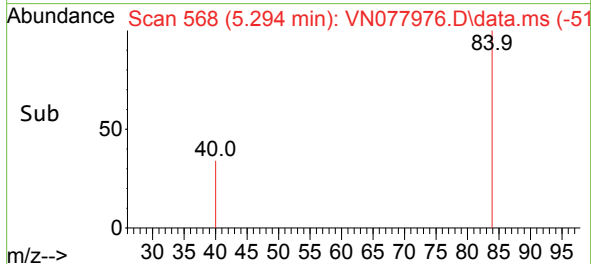
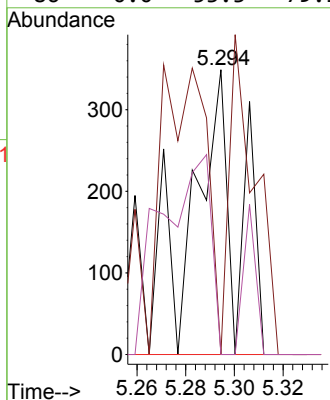
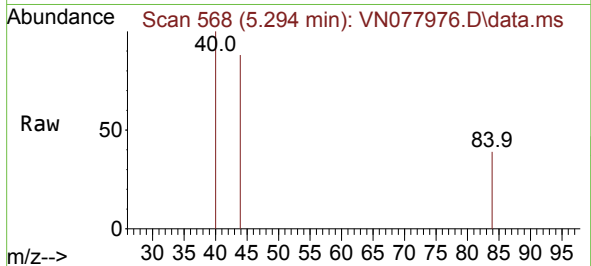




#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 50
Delta R.T. 0.011 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

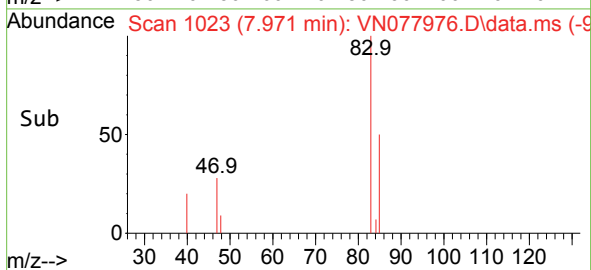
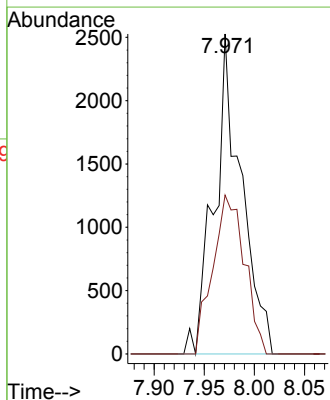
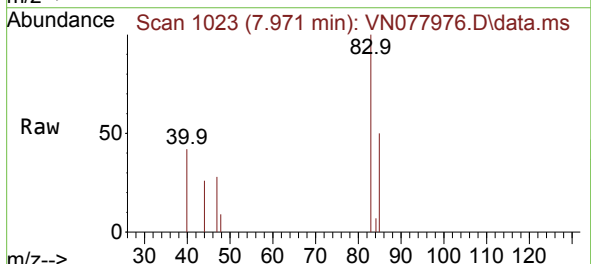
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20230523

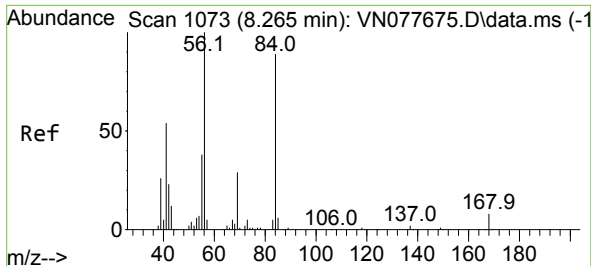
Tgt Ion: 84 Resp: 379
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#



#30
Chloroform
Concen: 0.525 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Tgt Ion: 83 Resp: 4737
Ion Ratio Lower Upper
83 100
85 49.7 55.4 83.0#

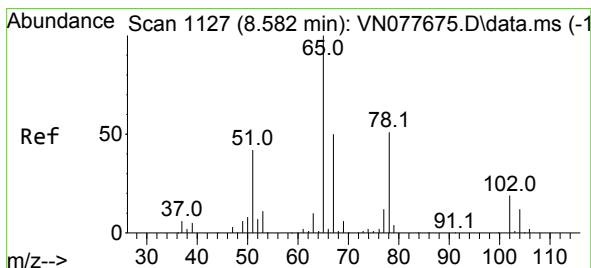
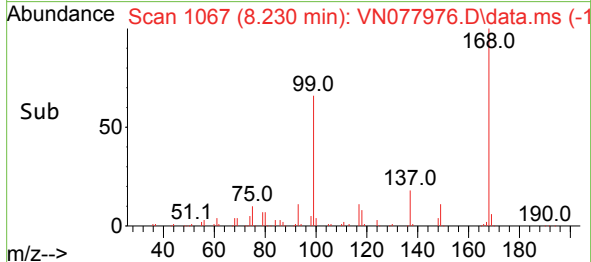
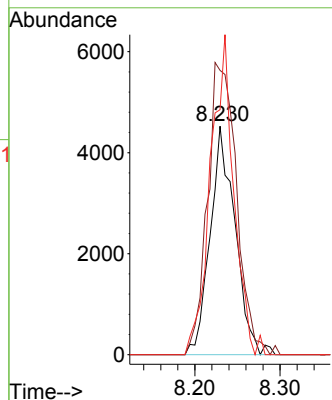
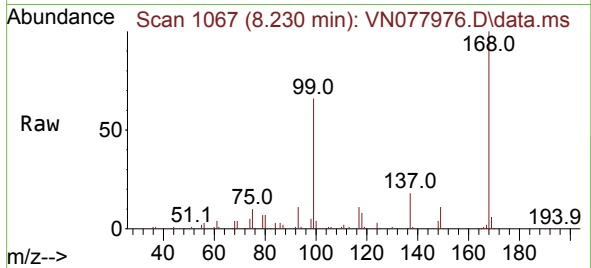




#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

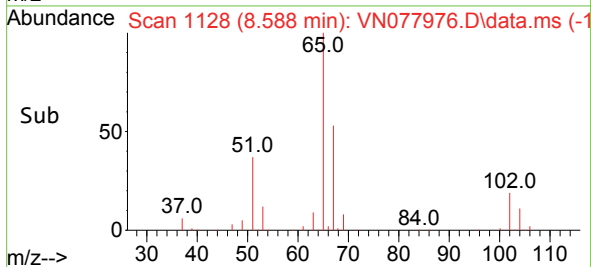
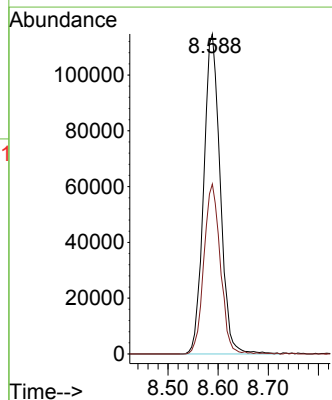
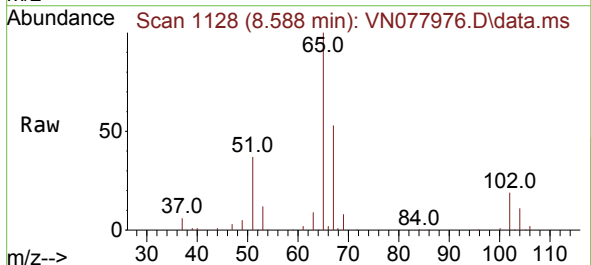
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20230523

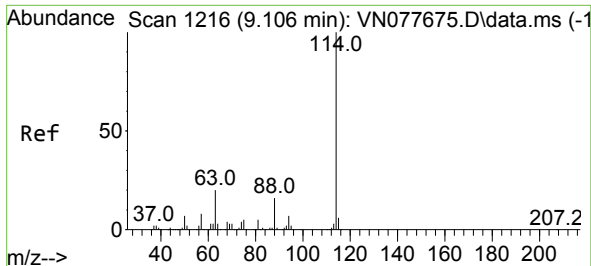
Tgt Ion: 56 Resp: 9216
Ion Ratio Lower Upper
56 100
69 124.4 26.8 40.2#
84 107.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.413 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

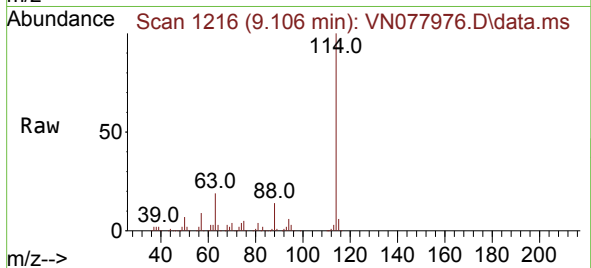
Tgt Ion: 65 Resp: 262262
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6



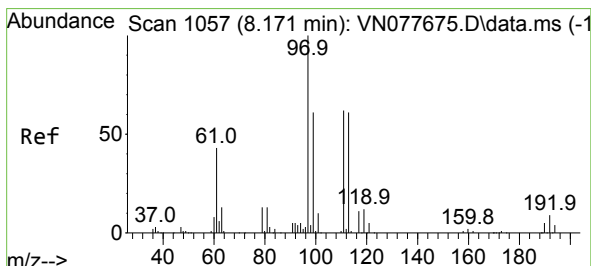
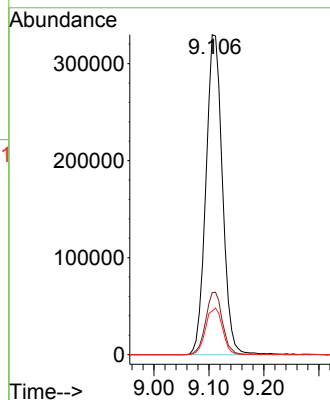
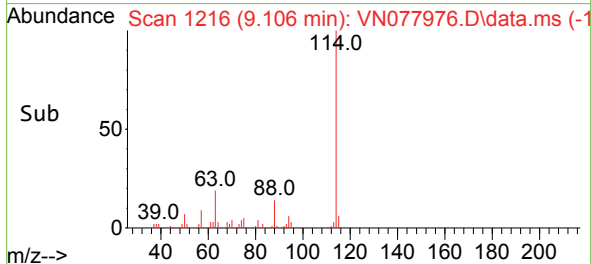


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20230523

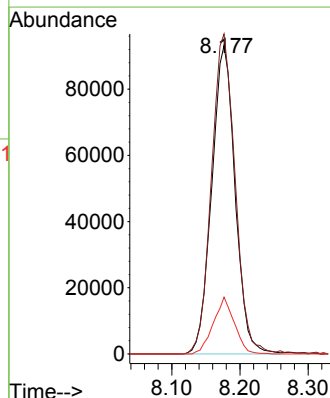
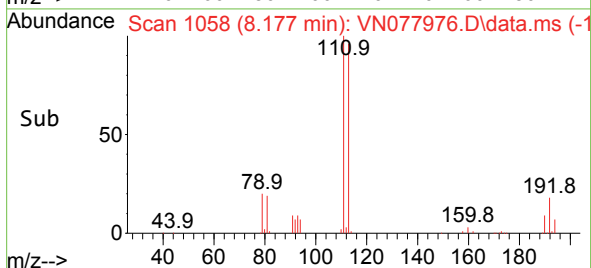
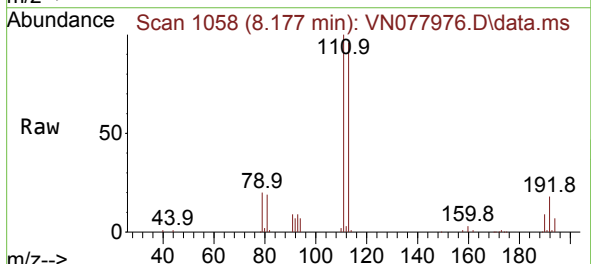


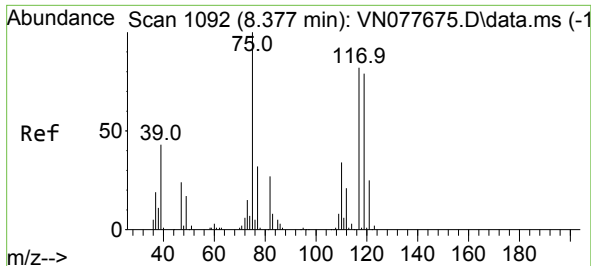
Tgt Ion:114 Resp: 688765
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.4
88 13.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.414 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Tgt Ion:113 Resp: 221936
Ion Ratio Lower Upper
113 100
111 105.1 82.6 123.8
192 16.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.119 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077976.D

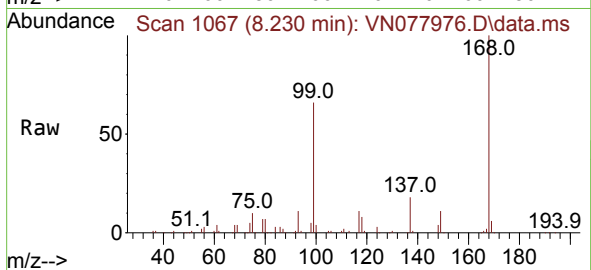
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Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20230523



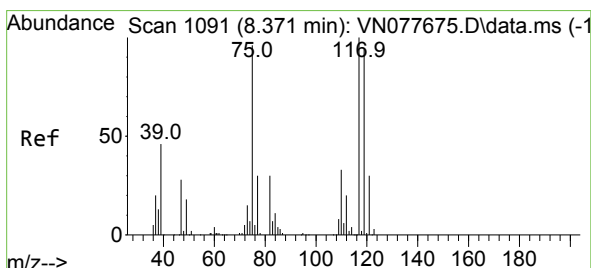
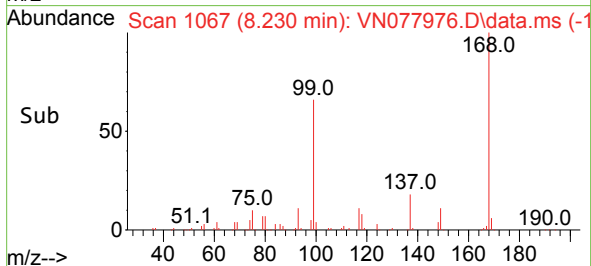
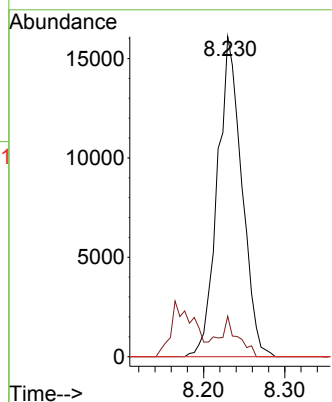
Tgt Ion: 75 Resp: 33629

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.340 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077976.D

Acq: 30 May 2023 17:51

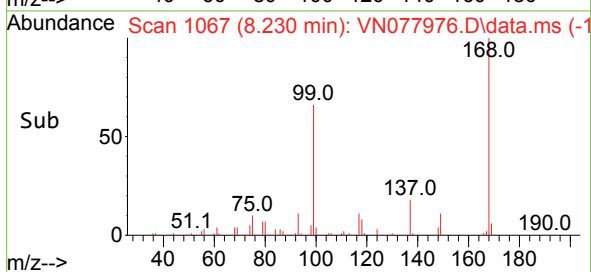
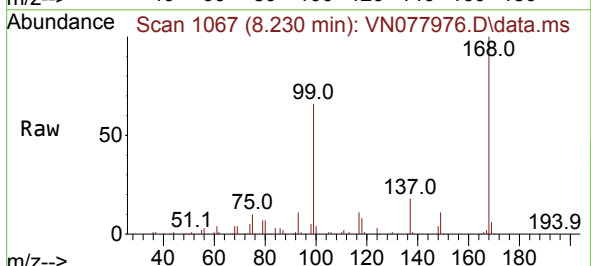
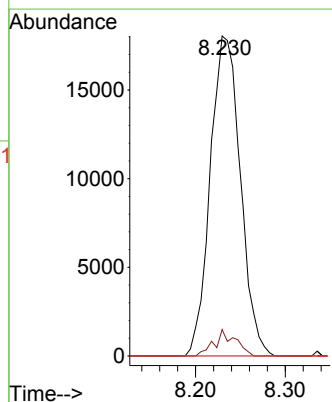
Tgt Ion: 117 Resp: 42055

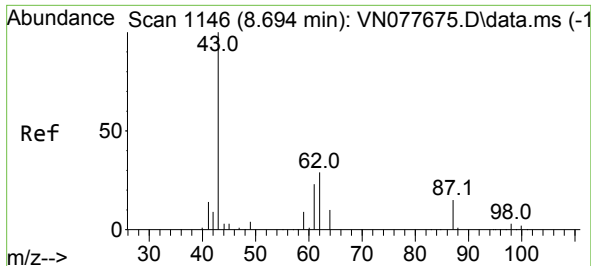
Ion Ratio Lower Upper

117 100

119 8.3 77.3 115.9#

121 0.0 23.3 34.9#

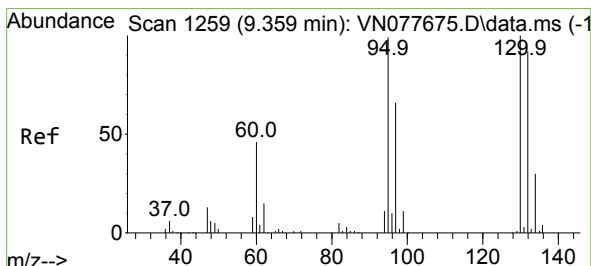
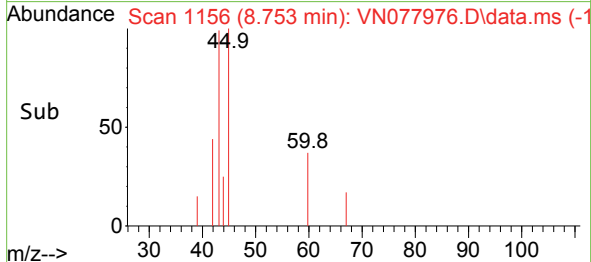
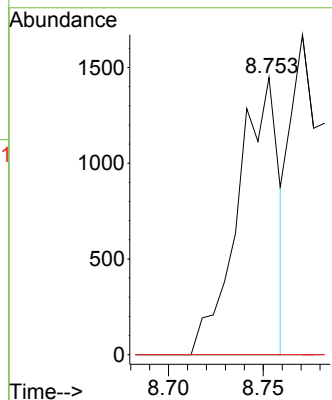
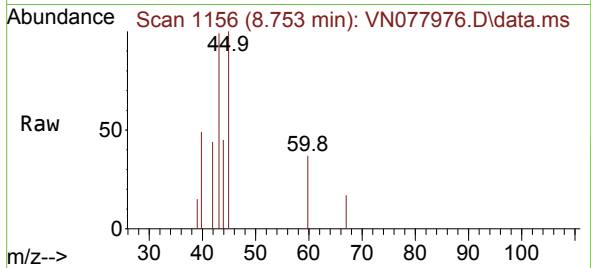




#43
Isopropyl Acetate
Concen: 0.226 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

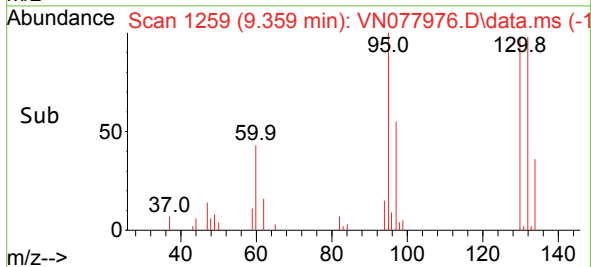
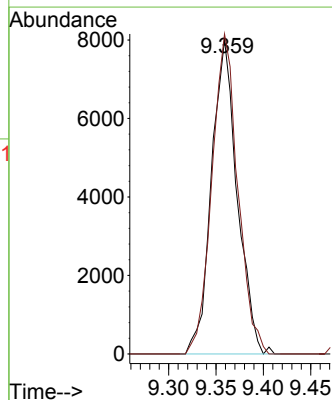
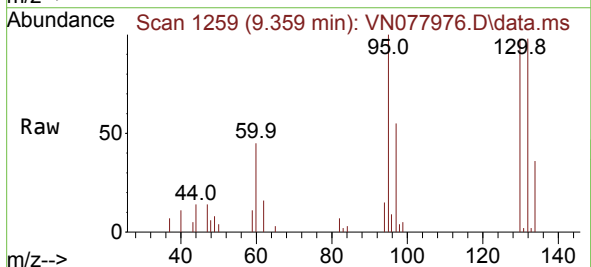
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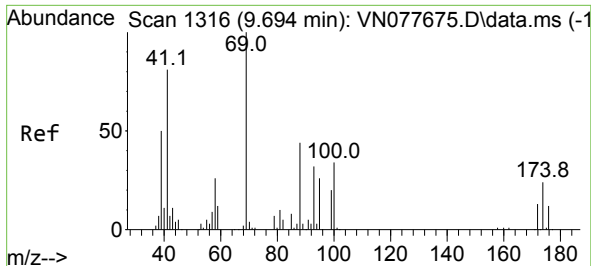
Tgt Ion: 43 Resp: 2165
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 3.080 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Tgt Ion:130 Resp: 15117
Ion Ratio Lower Upper
130 100
95 101.8 0.0 204.6





#49

1,4-Dioxane

Concen: 0.619 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN077976.D

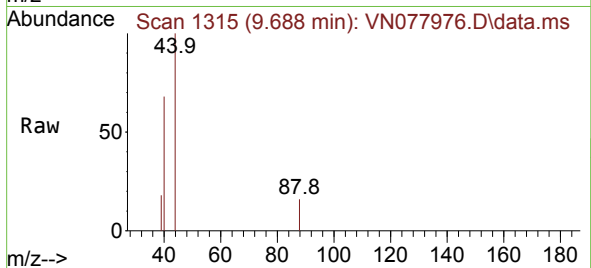
Acq: 30 May 2023 17:51

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20230523



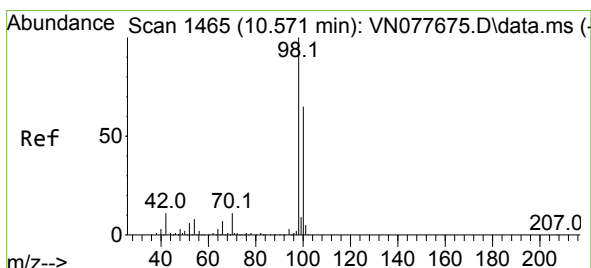
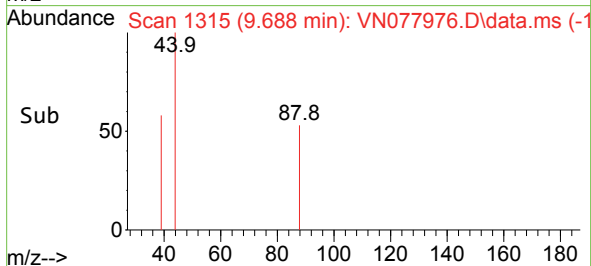
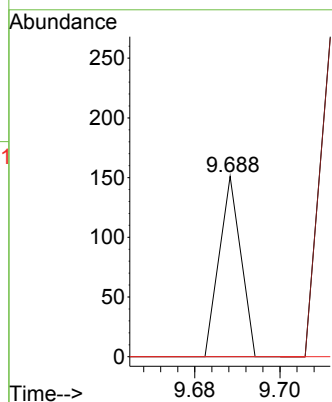
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 48.745 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN077976.D

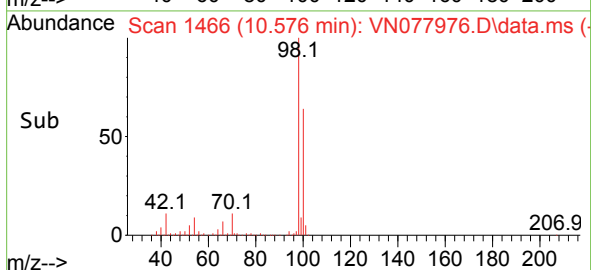
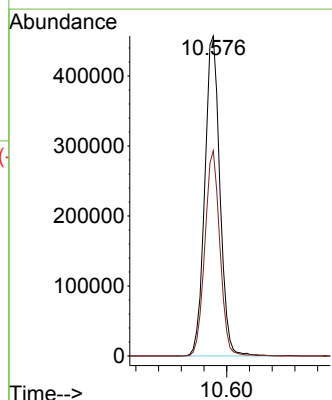
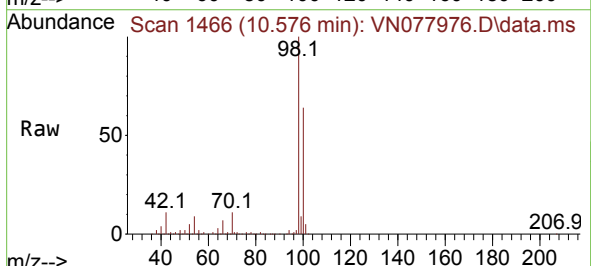
Acq: 30 May 2023 17:51

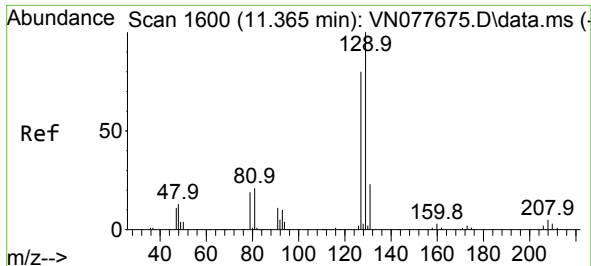
Tgt Ion: 98 Resp: 842690

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0

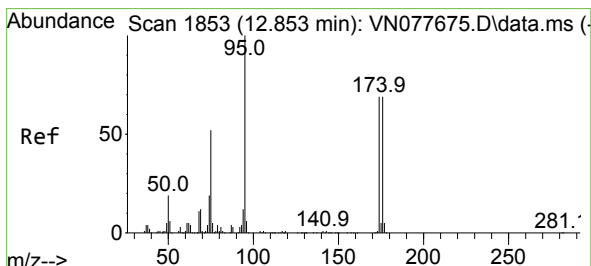
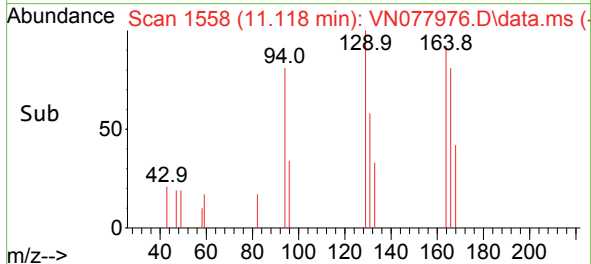
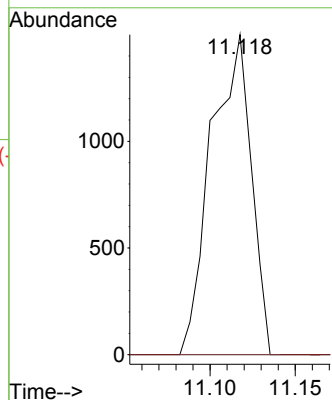
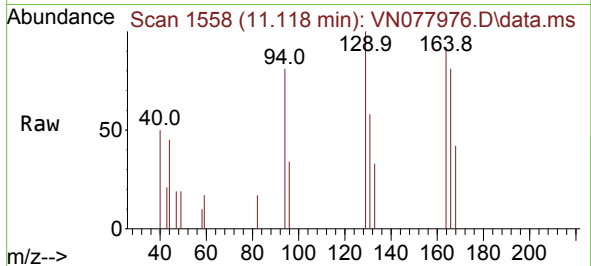




#60
Dibromochloromethane
Concen: 0.495 ug/l
RT: 11.118 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

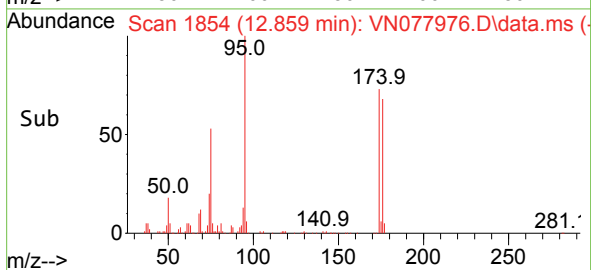
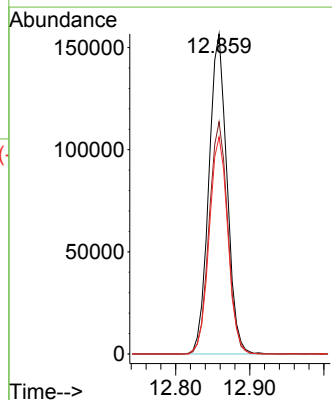
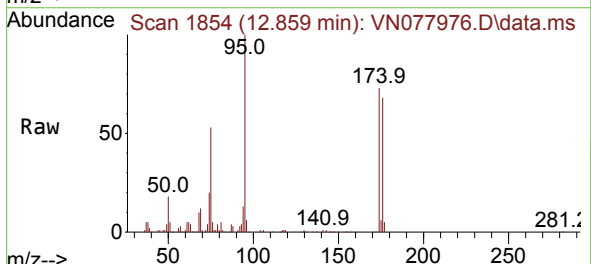
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20230523

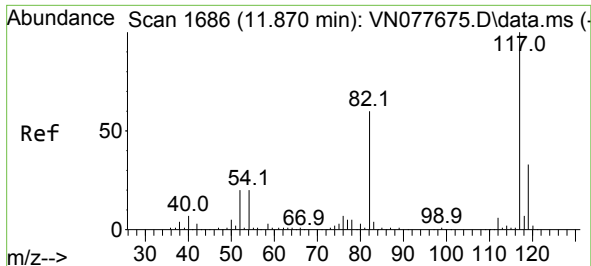
Tgt Ion:129 Resp: 2451
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.564 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Tgt Ion: 95 Resp: 265983
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 69.8 0.0 135.8

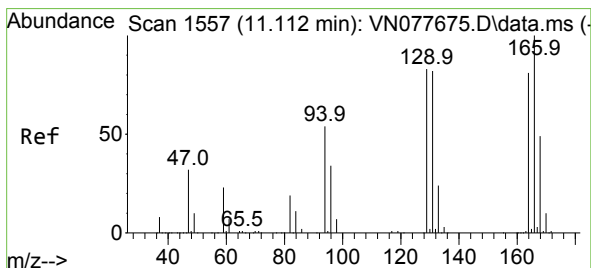
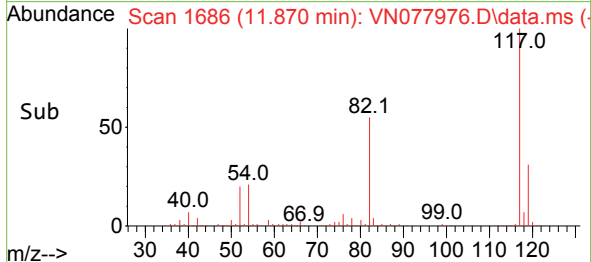
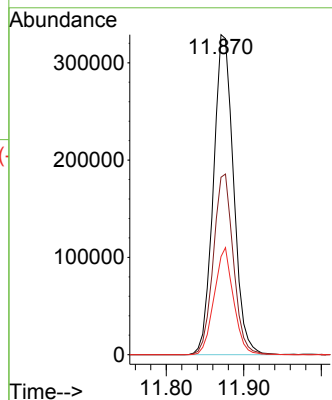
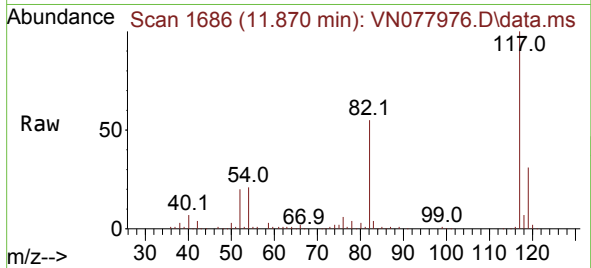




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

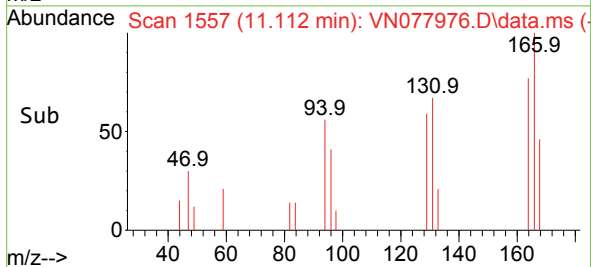
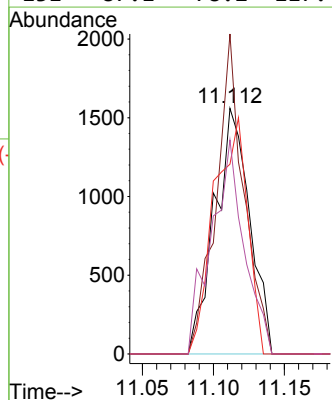
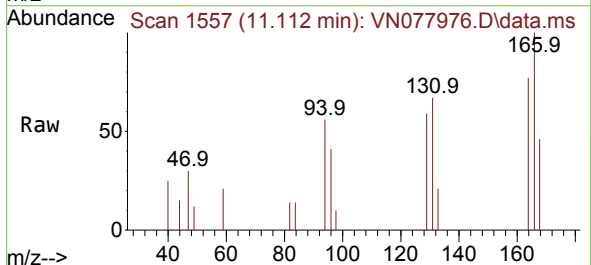
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20230523

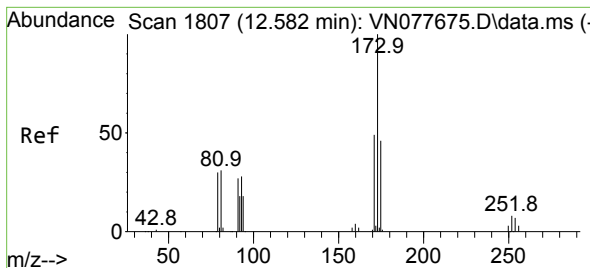
Tgt Ion:117 Resp: 595180
Ion Ratio Lower Upper
117 100
82 55.4 44.0 66.0
119 30.7 25.6 38.4



#64
Tetrachloroethene
Concen: 0.641 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Tgt Ion:164 Resp: 2669
Ion Ratio Lower Upper
164 100
166 130.3 101.4 152.0
129 77.2 82.4 123.6#
131 87.1 78.2 117.4





#71

Bromoform

Concen: 0.364 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN077976.D

Acq: 30 May 2023 17:51

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20230523

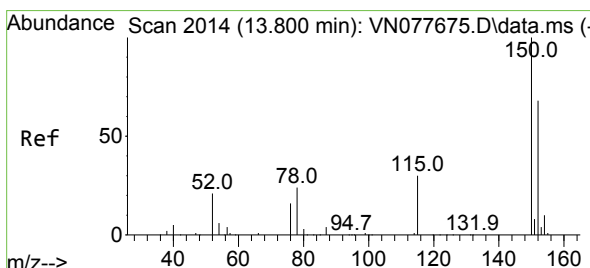
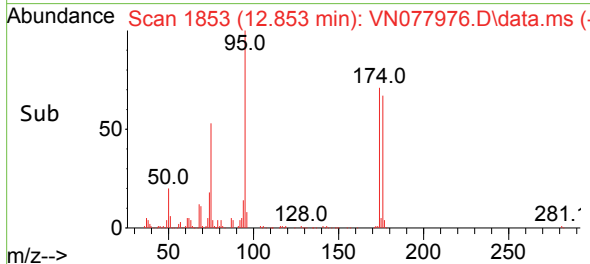
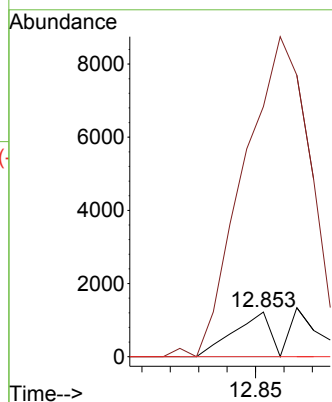
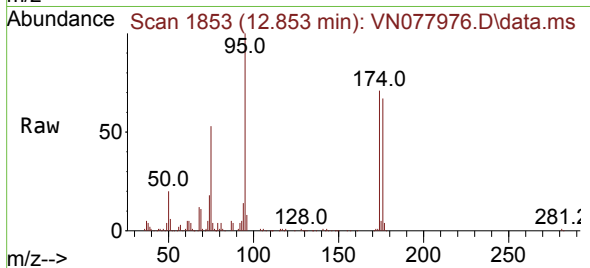
Tgt Ion:173 Resp: 1081

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077976.D

Acq: 30 May 2023 17:51

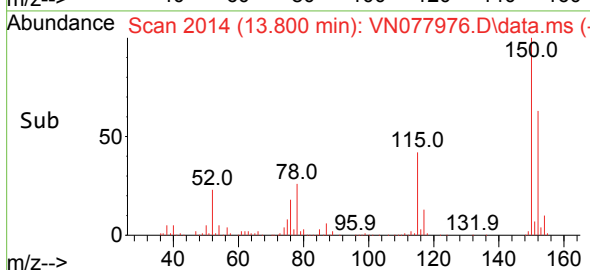
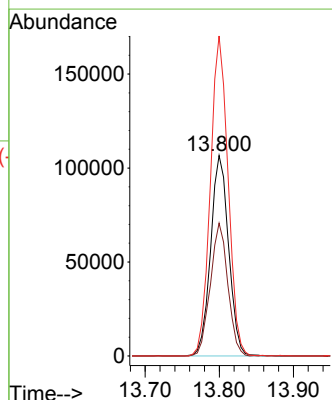
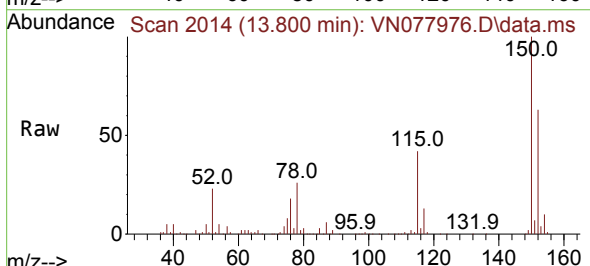
Tgt Ion:152 Resp: 179780

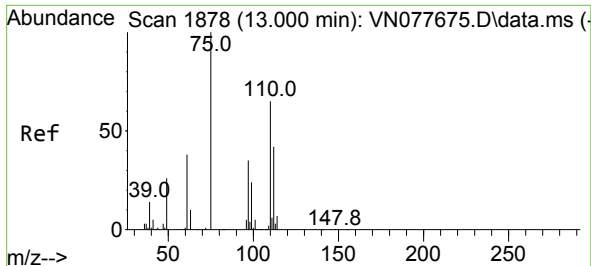
Ion Ratio Lower Upper

152 100

115 64.4 32.3 96.8

150 156.9 0.0 355.8

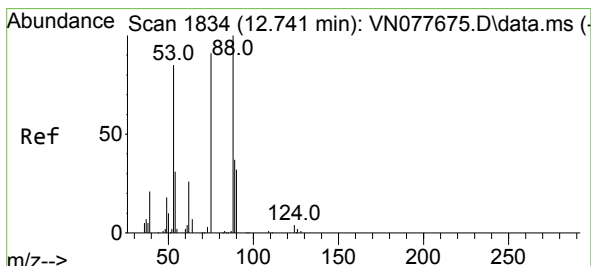
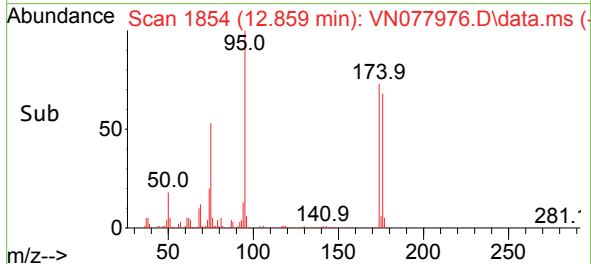
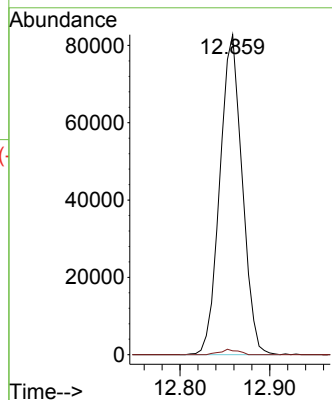
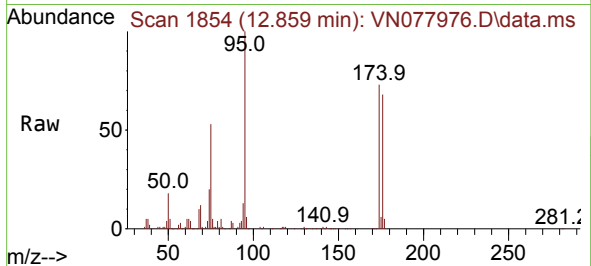




#76
1,2,3-Trichloropropane
Concen: 31.798 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20230523

Tgt Ion: 75 Resp: 143166
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.643 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077976.D
Acq: 30 May 2023 17:51

Tgt Ion: 75 Resp: 143166
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

