

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074954.D
 Acq On : 21 Oct 2022 11:30
 Operator : JC\MD
 Sample : VN1021WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBL01

Quant Time: Oct 22 02:51:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

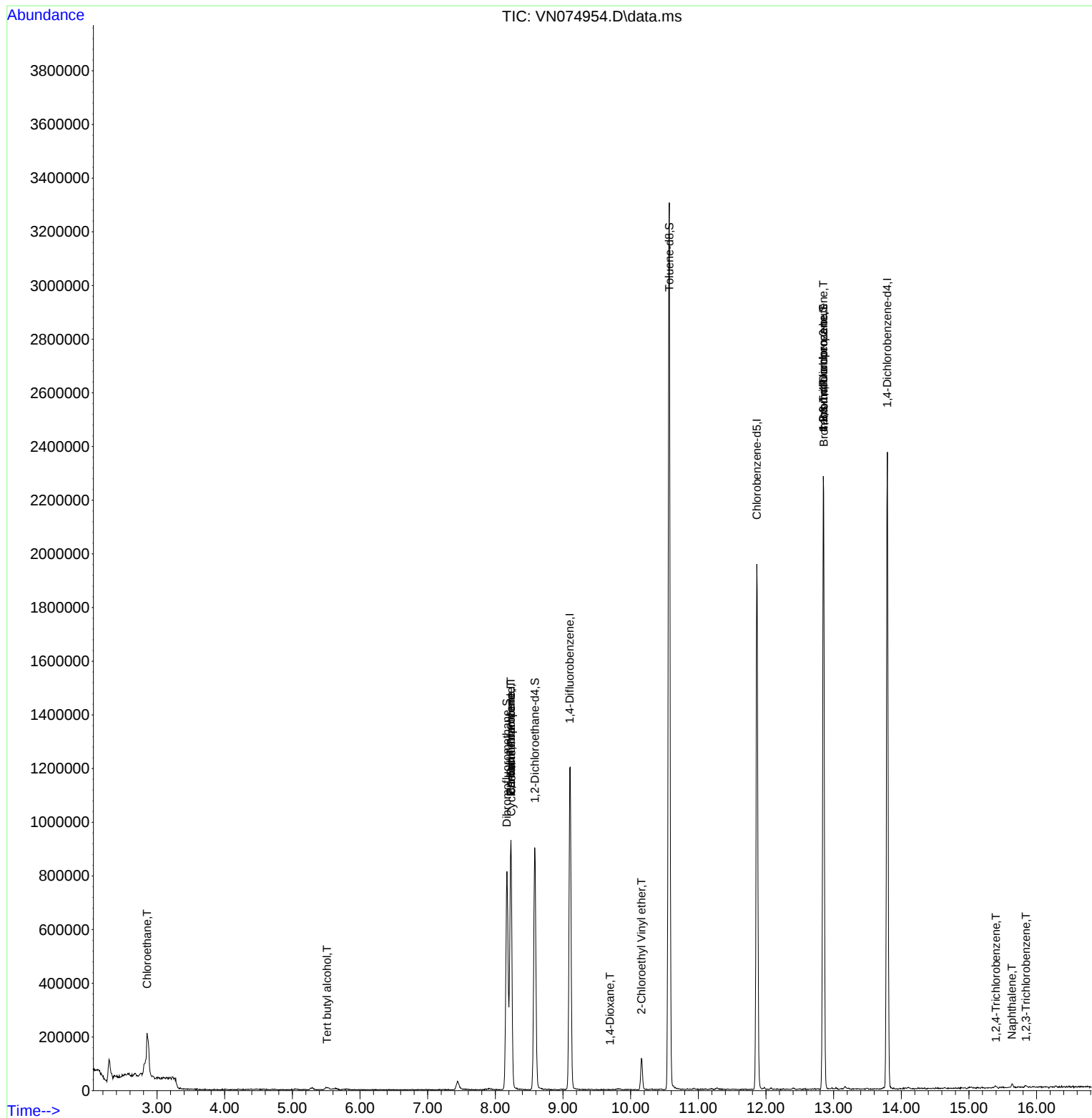
Internal Standards						
1) Pentafluorobenzene	8.230	168	640755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	1071206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1103094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	610340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	739491	43.437	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.880%		
35) Dibromofluoromethane	8.171	113	556488	43.646	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.300%		
50) Toluene-d8	10.571	98	2322975	47.486	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.980%		
62) 4-Bromofluorobenzene	12.847	95	765207	44.345	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.700%		
Target Compounds						Qvalue
3) Chloromethane	2.377	50	2847	Below Cal	#	51
4) Vinyl Chloride	2.542	62	733	Below Cal	#	44
5) Bromomethane	2.953	94	4675	Below Cal	#	37
6) Chloroethane	2.853	64	85550	5.292	ug/l #	47
7) Trichlorofluoromethane	3.595	101	86	Below Cal	#	18
9) 1,1,2-Trichlorotrifluo...	4.365	101	59	Below Cal	#	19
11) Tert butyl alcohol	5.512	59	3337	0.927	ug/l #	72
12) 1,1-Dichloroethene	4.359	96	104	Below Cal	#	1
13) Acrolein	4.194	56	757	Below Cal	#	77
16) Acetone	4.465	43	4208	Below Cal	#	65
17) Carbon Disulfide	4.730	76	1571	Below Cal	#	74
20) Methylene Chloride	5.277	84	5053	Below Cal	#	83
21) trans-1,2-Dichloroethene	5.800	96	377	Below Cal	#	1
31) Cyclohexane	8.235	56	15948	0.917	ug/l #	56
36) 1,1-Dichloropropene	8.230	75	57565	3.585	ug/l #	50
38) Carbon Tetrachloride	8.230	117	71172	4.072	ug/l #	15
49) 1,4-Dioxane	9.694	88	209	0.564	ug/l #	46
58) 2-Chloroethyl Vinyl ether	10.159	63	52488	9.244	ug/l	99
71) Bromoform	12.853	173	5210	0.549	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	432807	26.149	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	432807	83.838	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.400	180	2245	0.230	ug/l	81
95) Naphthalene	15.635	128	11655	0.314	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	2123	0.216	ug/l #	22

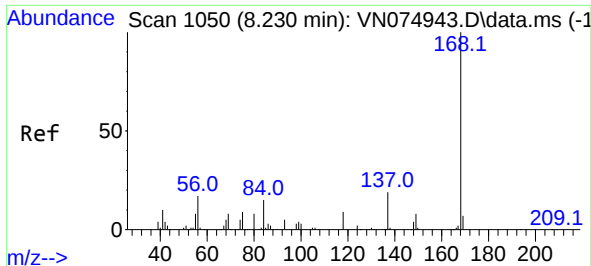
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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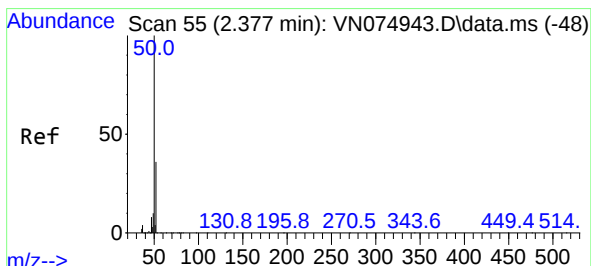
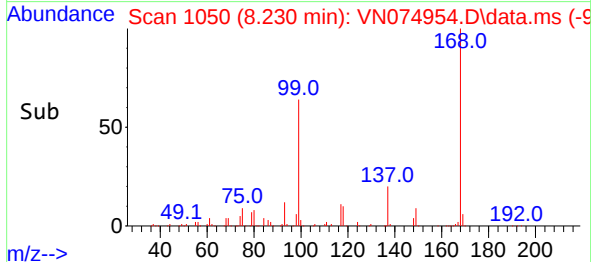
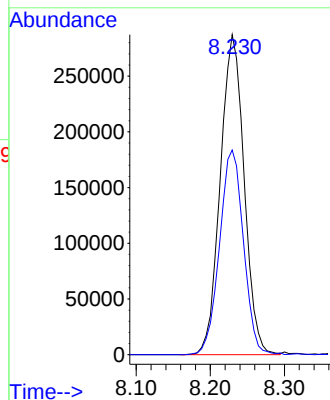
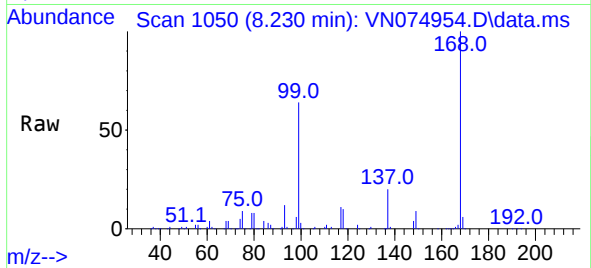




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

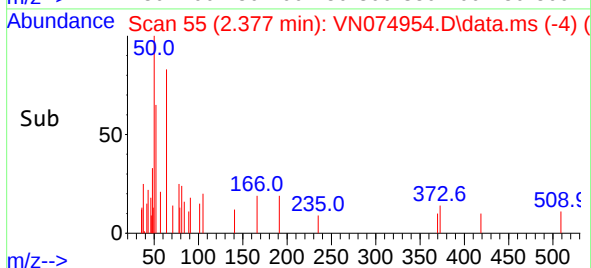
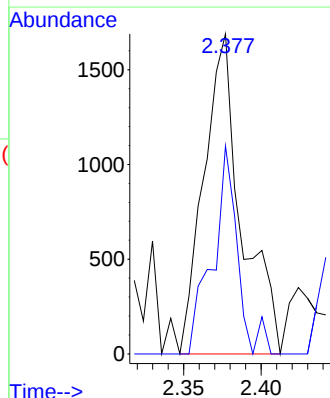
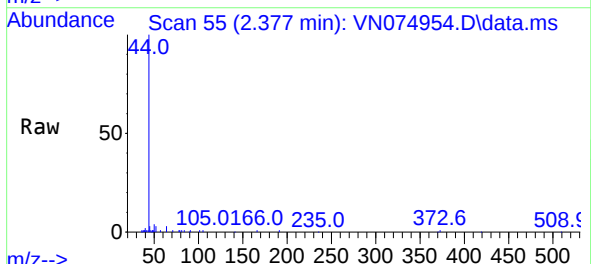
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

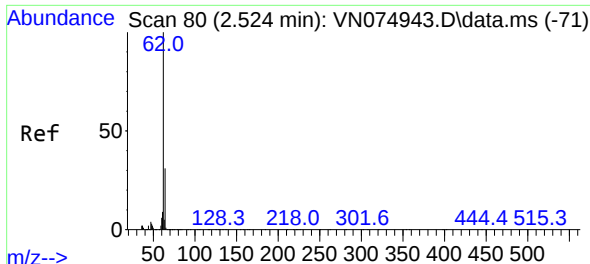
Tgt Ion:168 Resp: 640755
Ion Ratio Lower Upper
168 100
99 64.0 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 55
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion: 50 Resp: 2847
Ion Ratio Lower Upper
50 100
52 65.0 28.8 43.2#

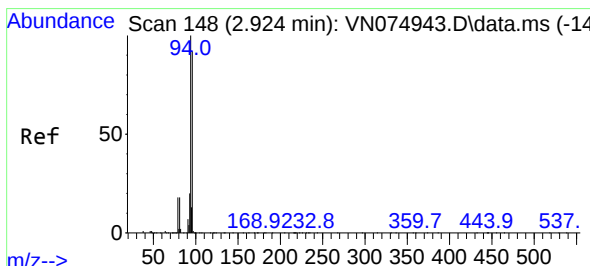
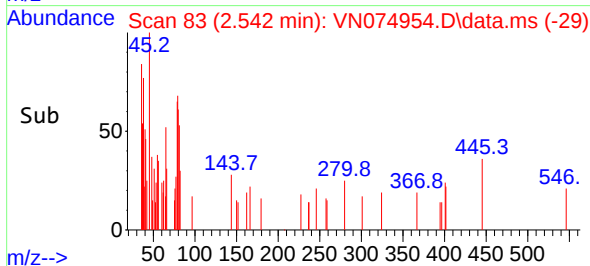
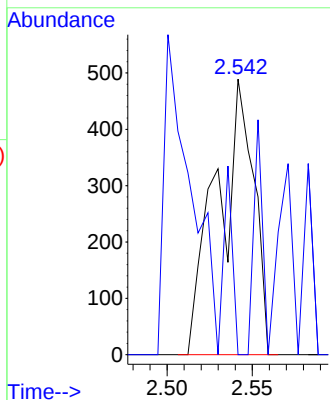
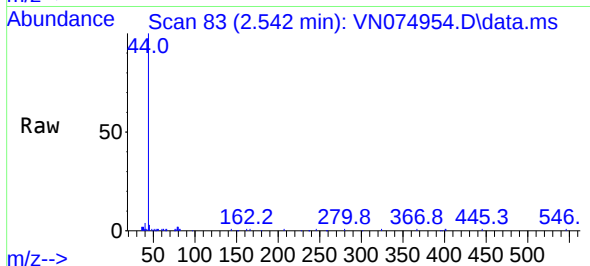




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.542 min Scan# 81
 Delta R.T. 0.018 min
 Lab File: VN074954.D
 Acq: 21 Oct 2022 11:30

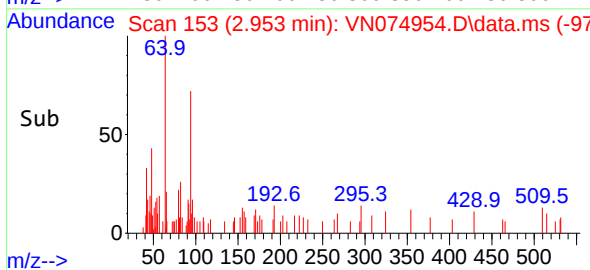
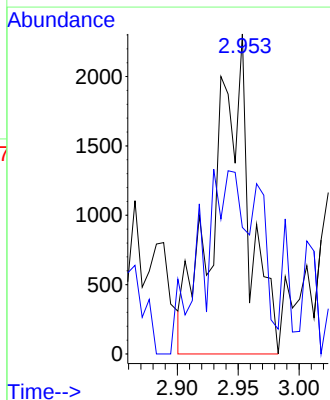
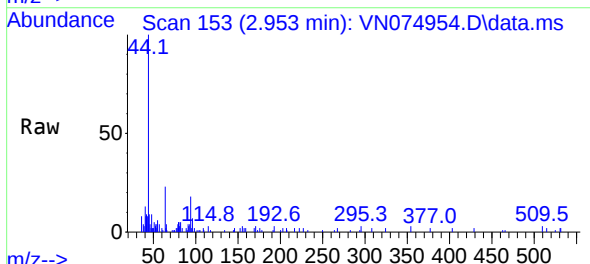
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBL01

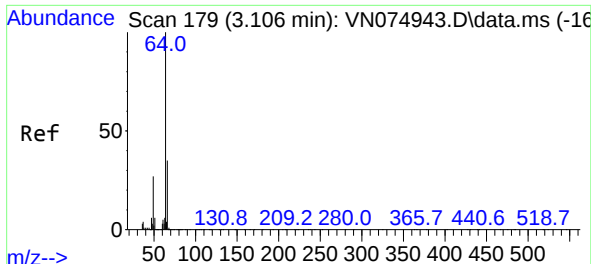
Tgt Ion: 62 Resp: 733
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.953 min Scan# 153
 Delta R.T. 0.029 min
 Lab File: VN074954.D
 Acq: 21 Oct 2022 11:30

Tgt Ion: 94 Resp: 4675
 Ion Ratio Lower Upper
 94 100
 96 31.8 73.5 110.3#

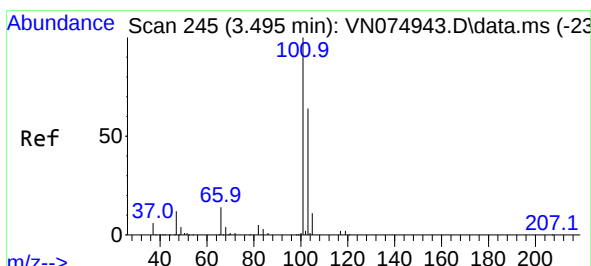
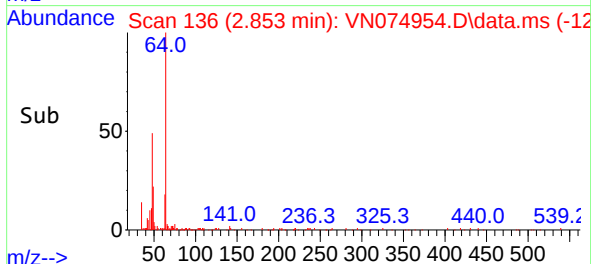
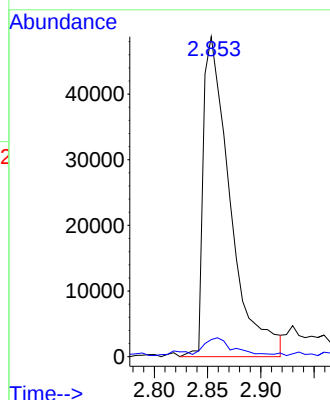
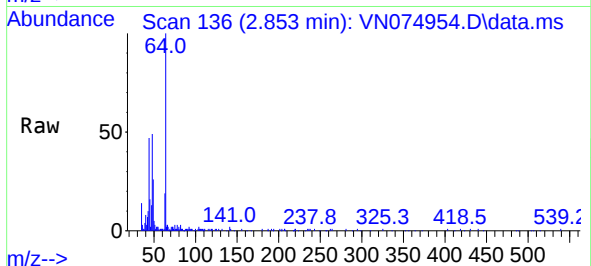




#6
Chloroethane
Concen: 5.292 ug/l
RT: 2.853 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

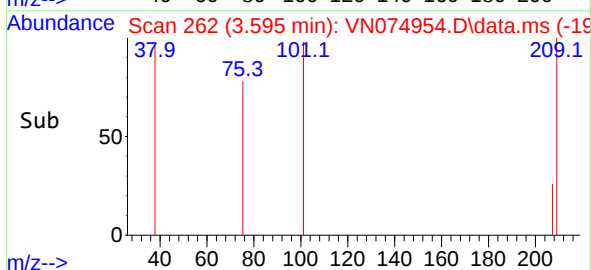
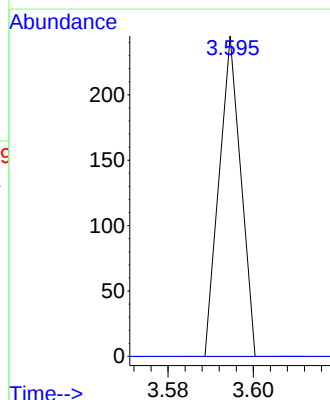
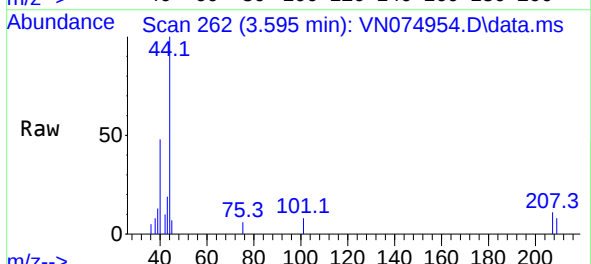
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

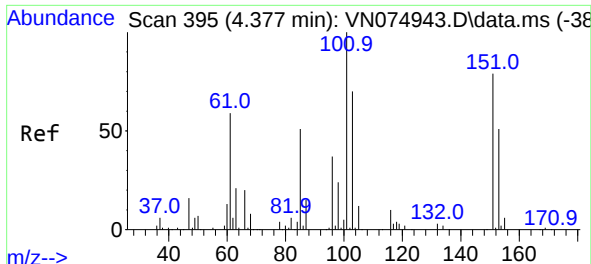
Tgt Ion: 64 Resp: 85550
Ion Ratio Lower Upper
64 100
66 4.2 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.595 min Scan# 262
Delta R.T. 0.100 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion:101 Resp: 86
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#

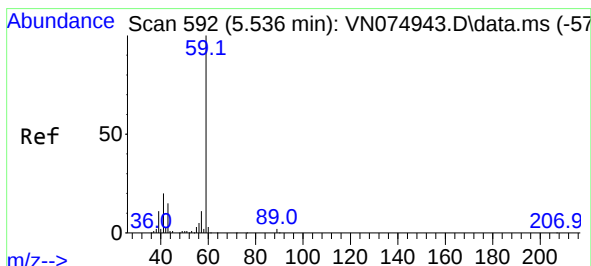
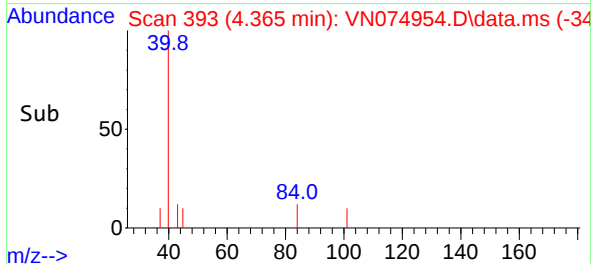
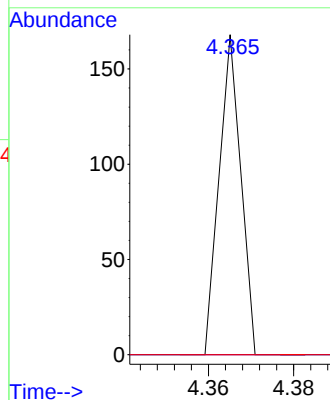
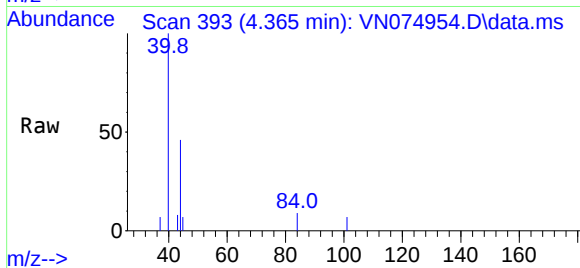




#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.365 min Scan# 39
Delta R.T. -0.012 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

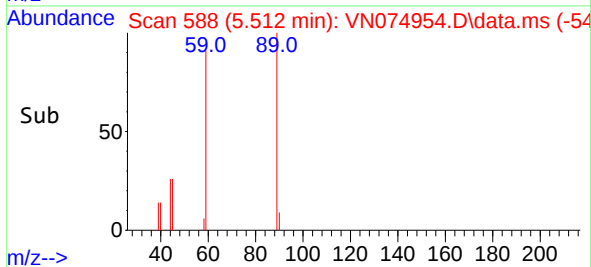
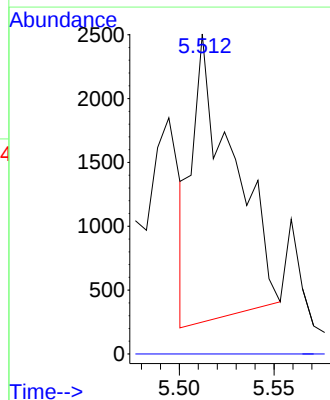
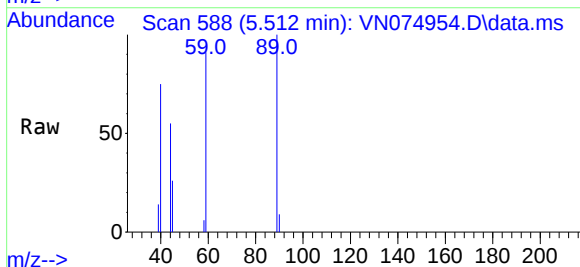
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

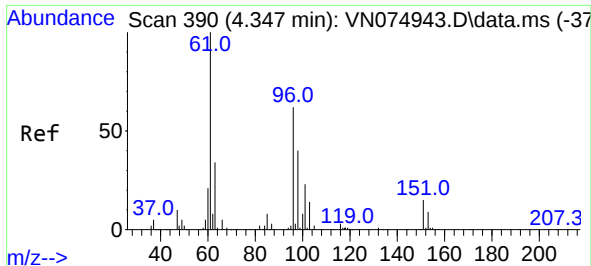
Tgt Ion:101 Resp: 59
Ion Ratio Lower Upper
101 100
85 0.0 37.8 56.8#
151 0.0 58.5 87.7#



#11
Tert butyl alcohol
Concen: 0.927 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.024 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion: 59 Resp: 3337
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 4.359 min Scan# 391

Delta R.T. 0.012 min

Lab File: VN074954.D

Acq: 21 Oct 2022 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBL01

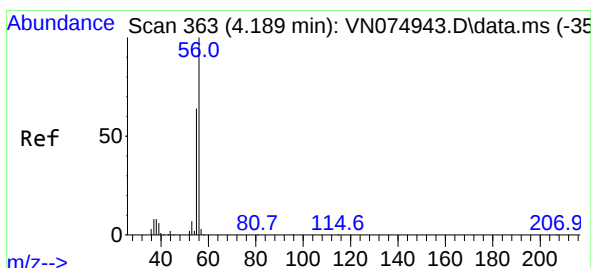
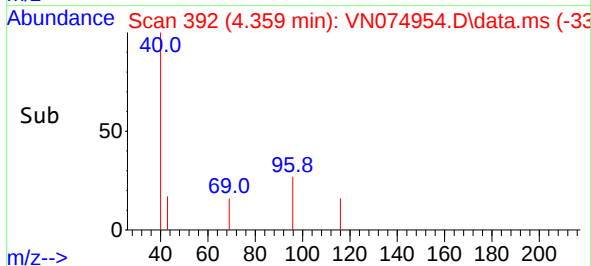
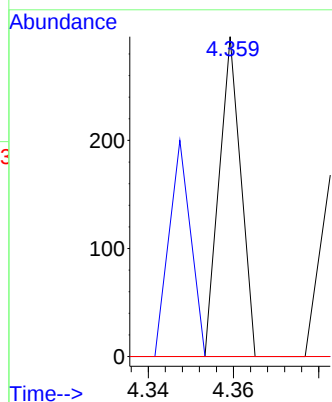
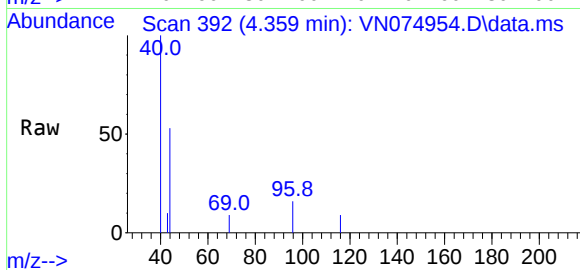
Tgt Ion: 96 Resp: 104

Ion Ratio Lower Upper

96 100

61 0.0 128.9 193.3#

98 0.0 51.8 77.8#



#13

Acrolein

Concen: Below Cal

RT: 4.194 min Scan# 364

Delta R.T. 0.005 min

Lab File: VN074954.D

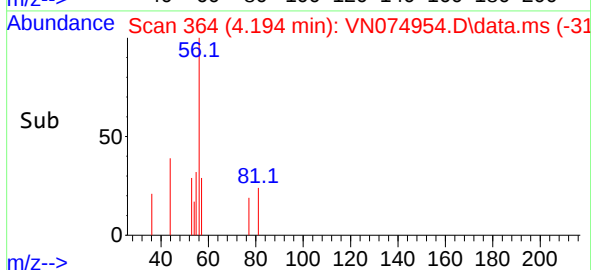
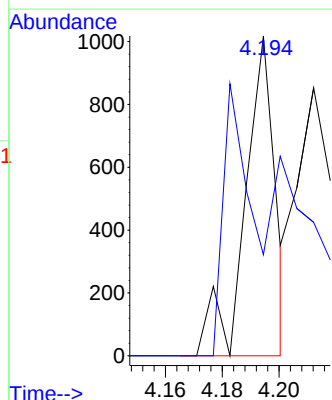
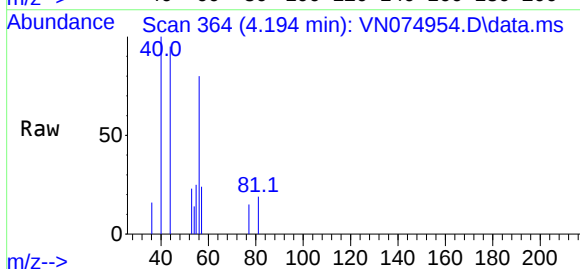
Acq: 21 Oct 2022 11:30

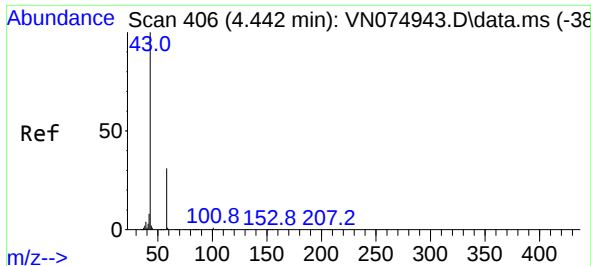
Tgt Ion: 56 Resp: 757

Ion Ratio Lower Upper

56 100

55 85.5 53.7 80.5#

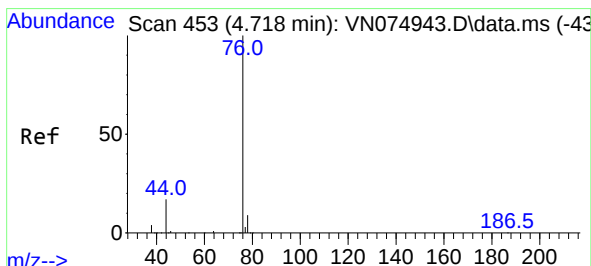
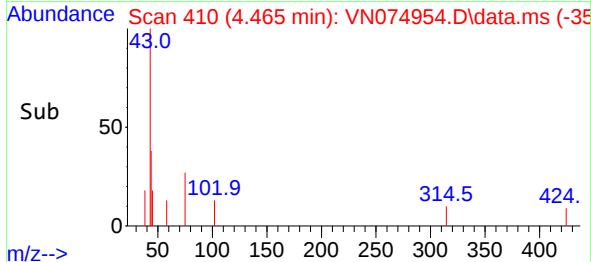
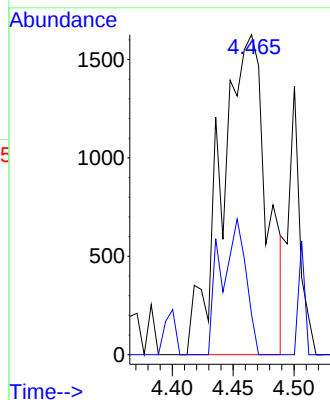
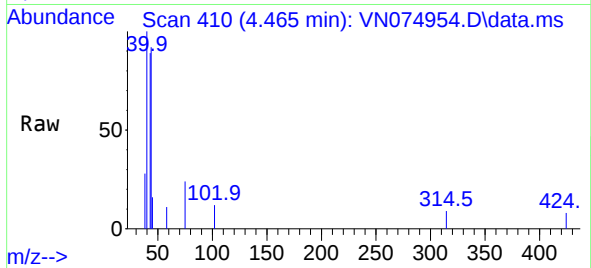




#16
Acetone
Concen: Below Cal
RT: 4.465 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

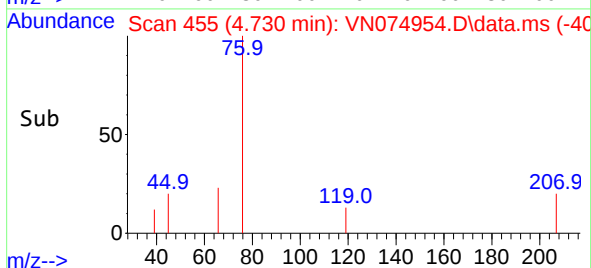
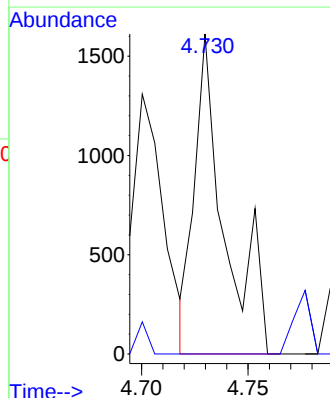
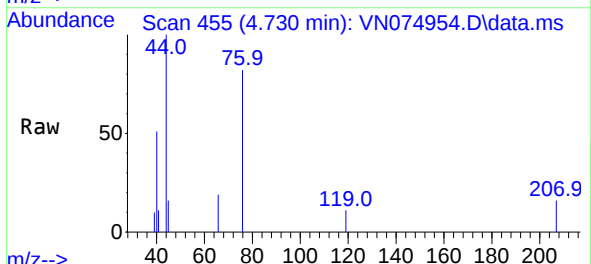
Instrument :
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VN1021WBL01

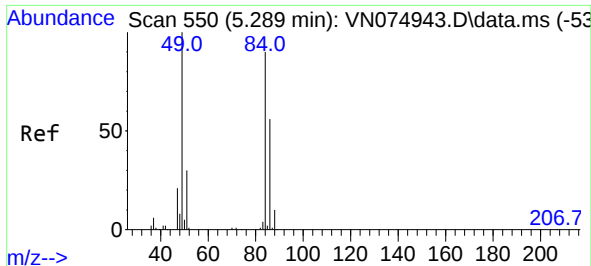
Tgt Ion: 43 Resp: 4208
Ion Ratio Lower Upper
43 100
58 12.5 25.7 38.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.730 min Scan# 455
Delta R.T. 0.012 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion: 76 Resp: 1571
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



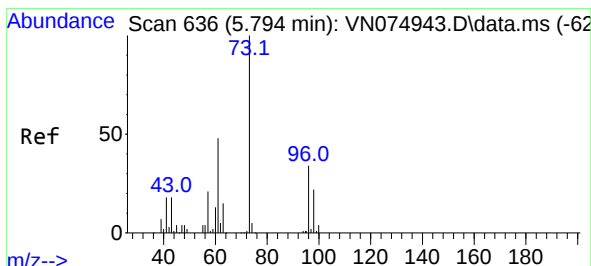
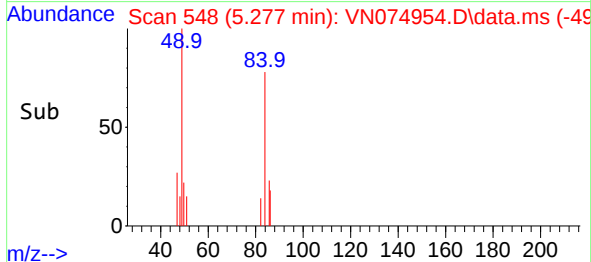
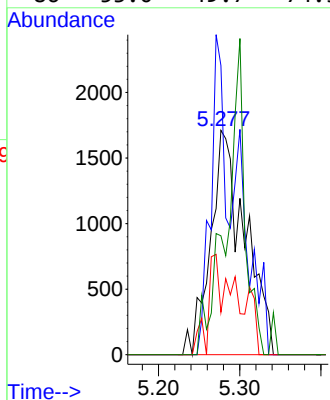
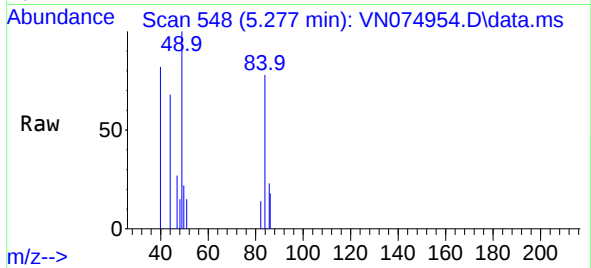


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion: 84 Resp: 5053

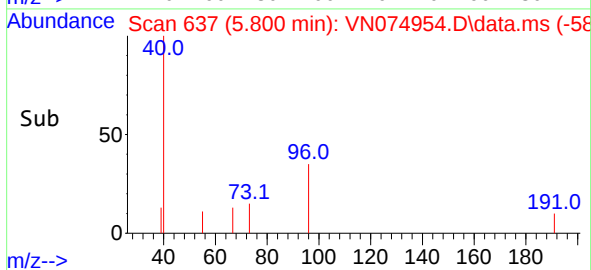
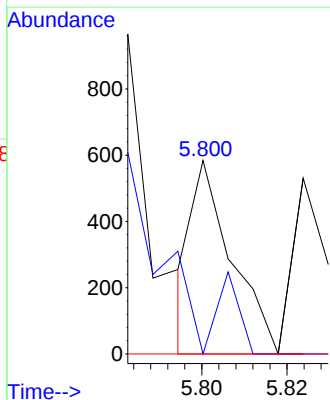
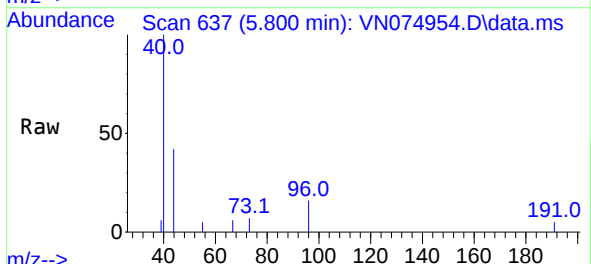
Ion	Ratio	Lower	Upper
84	100		
49	128.9	88.6	133.0
51	18.9	26.7	40.1#
86	53.0	49.7	74.5

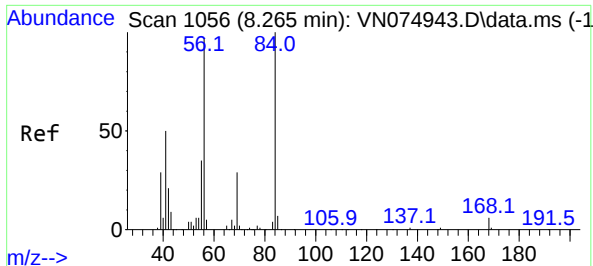


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.800 min Scan# 637
Delta R.T. 0.006 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion: 96 Resp: 377

Ion	Ratio	Lower	Upper
96	100		
61	0.0	112.6	169.0#
98	0.0	52.4	78.6#

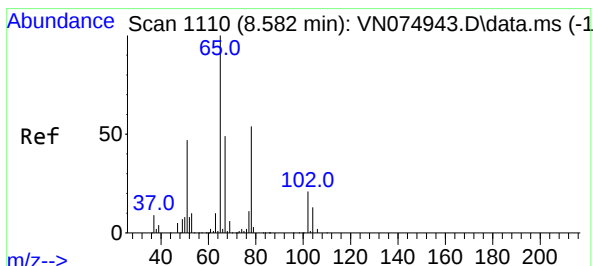
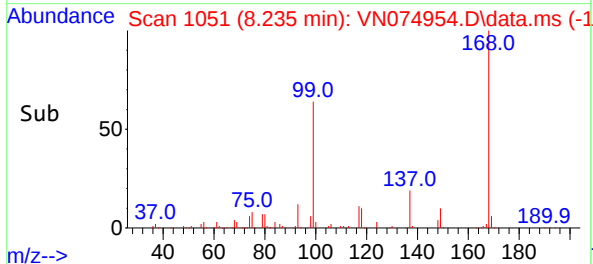
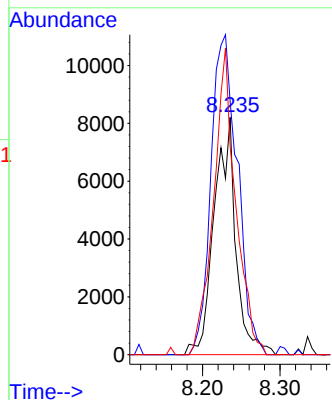
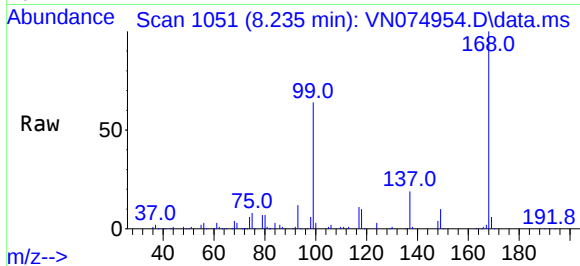




#31
Cyclohexane
Concen: 0.917 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

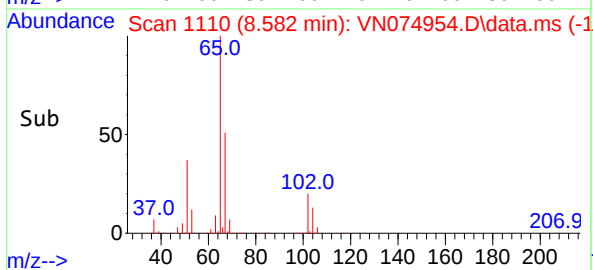
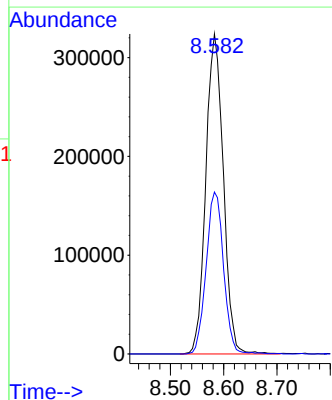
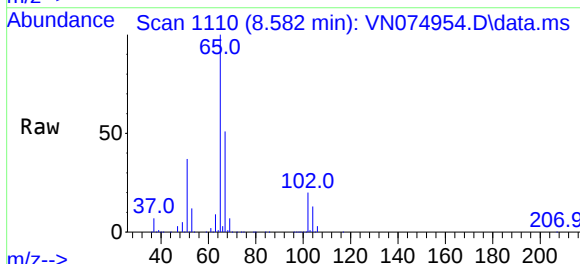
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

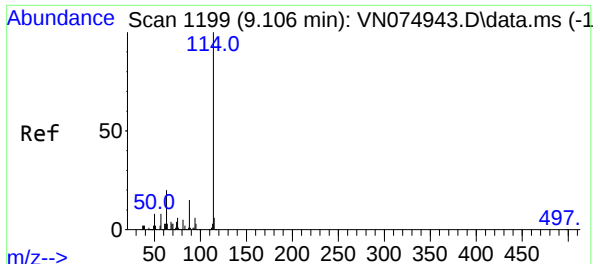
Tgt Ion: 56 Resp: 15948
Ion Ratio Lower Upper
56 100
69 106.8 24.2 36.2#
84 87.8 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 43.437 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion: 65 Resp: 739491
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.6

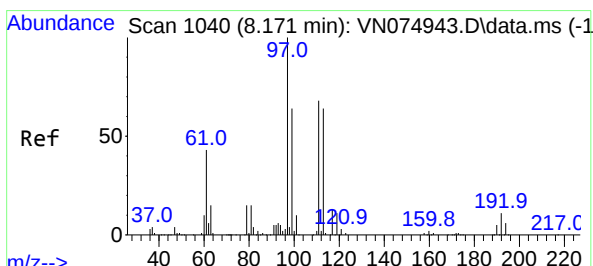
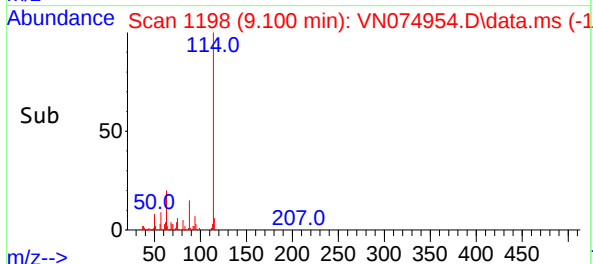
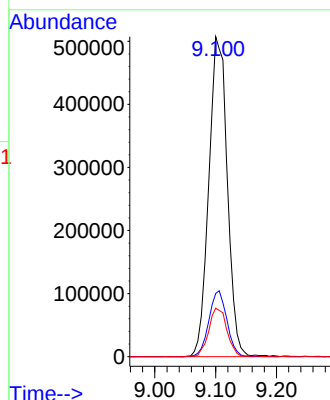
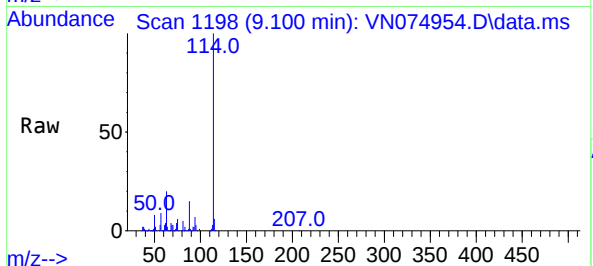




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

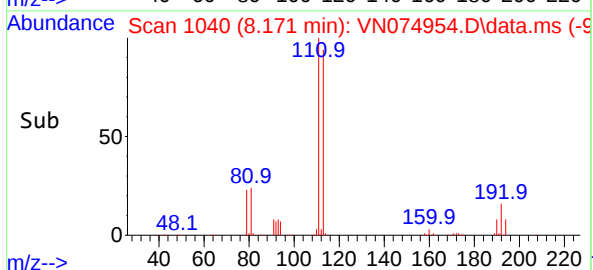
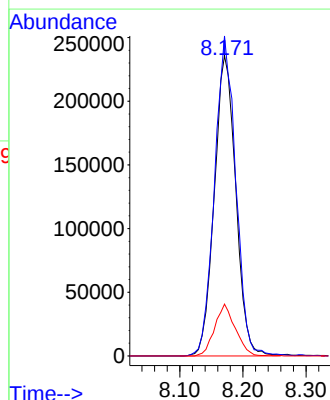
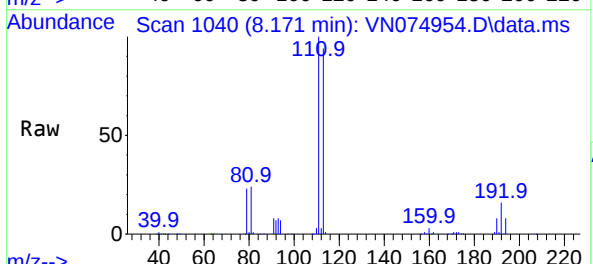
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

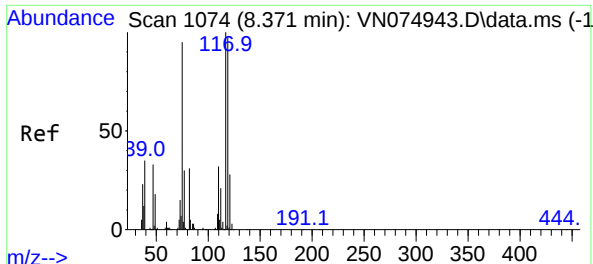
Tgt Ion:114 Resp: 1071206
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.8
88 15.2 0.0 30.4



#35
Dibromofluoromethane
Concen: 43.646 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion:113 Resp: 556488
Ion Ratio Lower Upper
113 100
111 105.7 83.4 125.2
192 16.5 13.3 19.9

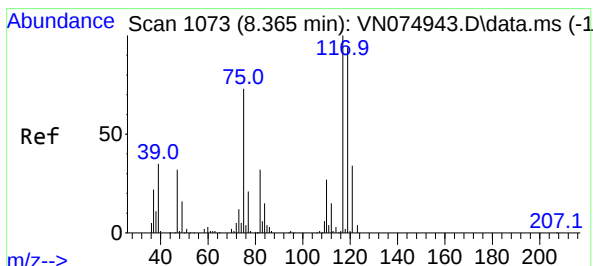
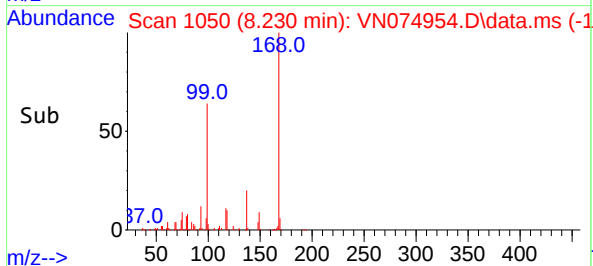
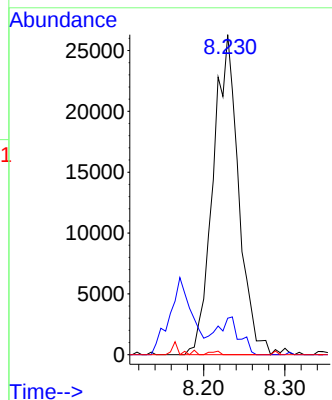
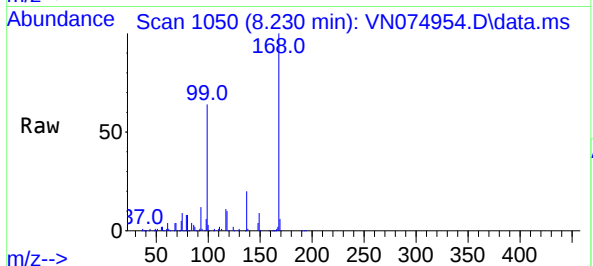




#36
1,1-Dichloropropene
Concen: 3.585 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

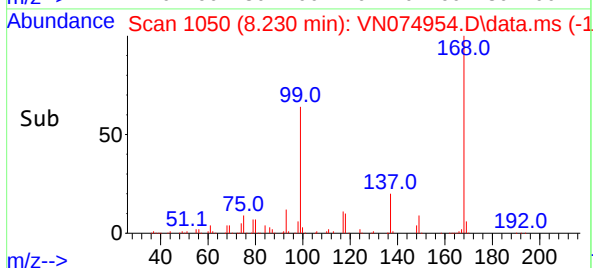
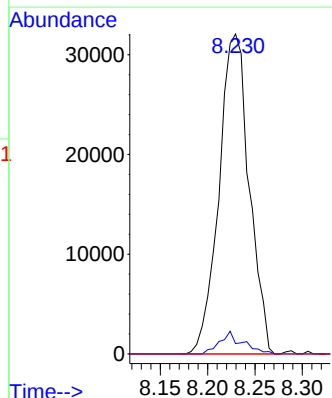
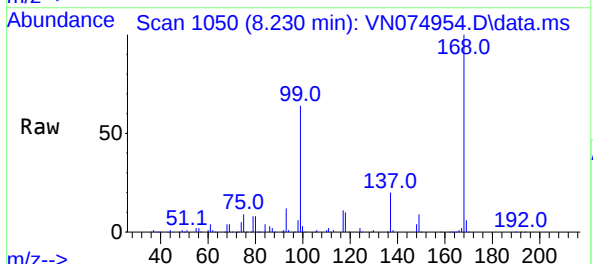
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

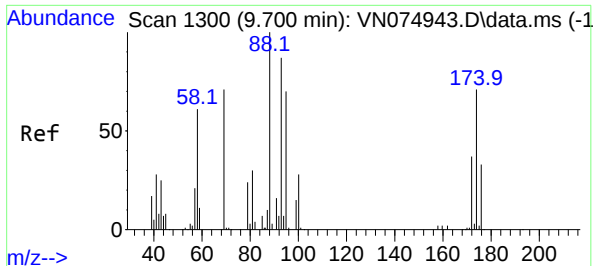
Tgt Ion: 75 Resp: 57565
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.4 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.072 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion: 117 Resp: 71172
Ion Ratio Lower Upper
117 100
119 3.2 75.2 112.8#
121 0.0 27.0 40.6#

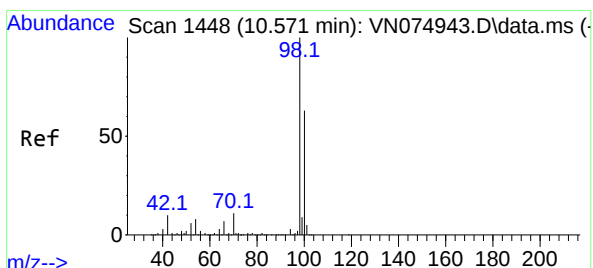
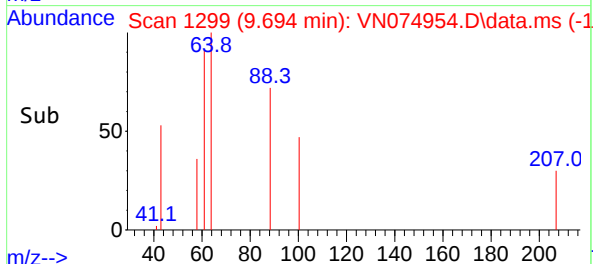
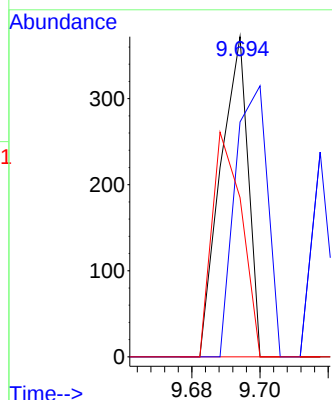
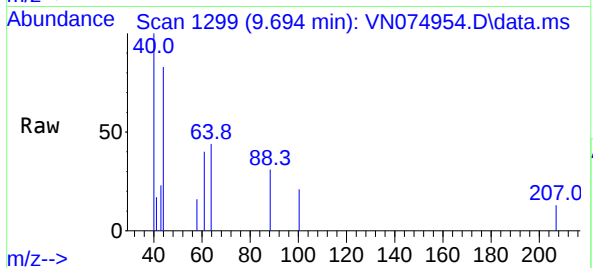




#49
1,4-Dioxane
Concen: 0.564 ug/l
RT: 9.694 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

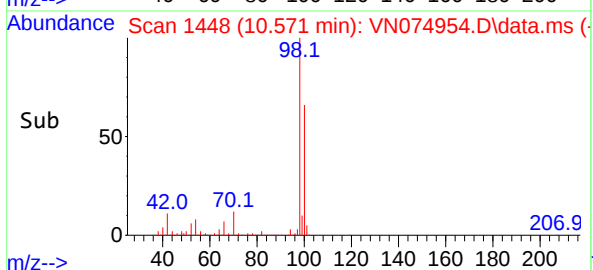
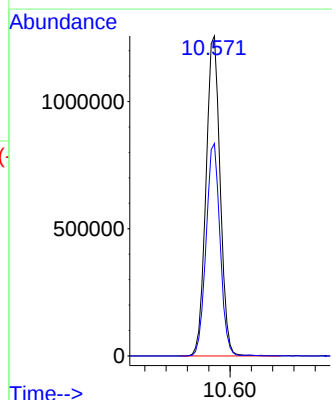
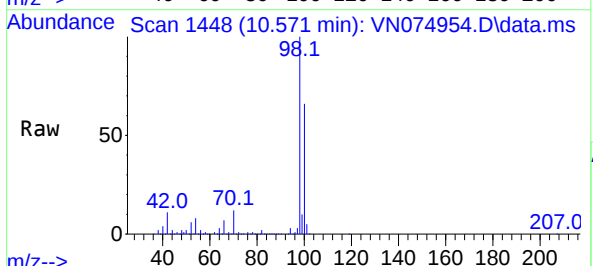
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

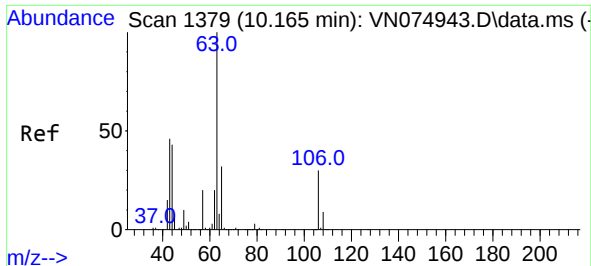
Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
43 99.5 21.1 31.7#
58 75.1 49.8 74.8#



#50
Toluene-d8
Concen: 47.486 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion: 98 Resp: 2322975
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.2

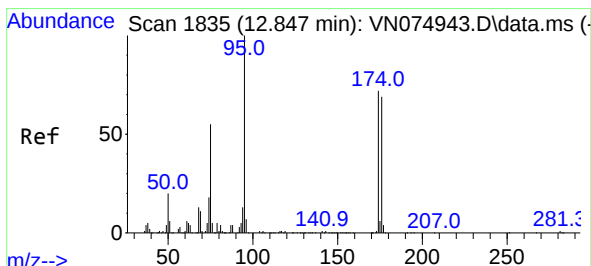
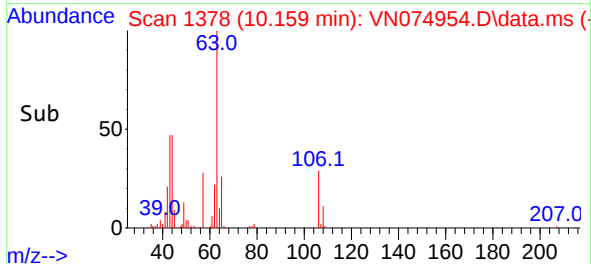
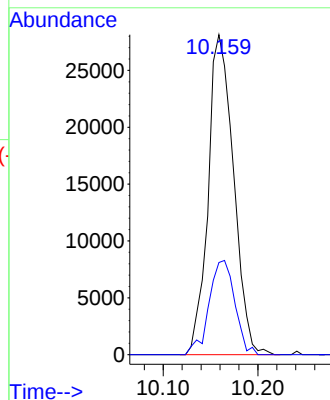
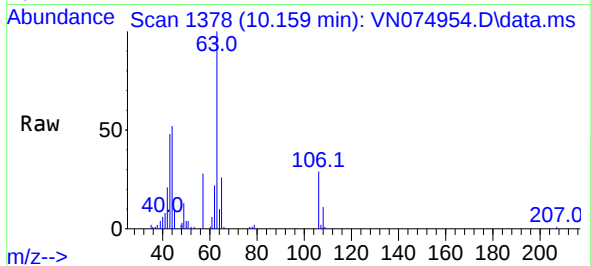




#58
2-Chloroethyl Vinyl ether
Concen: 9.244 ug/l
RT: 10.159 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

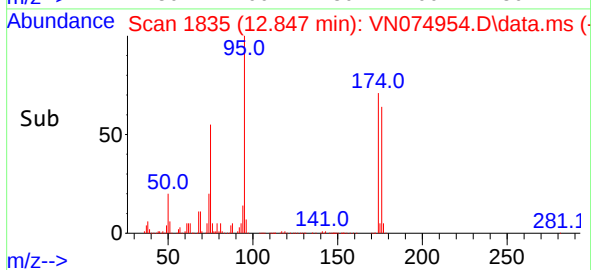
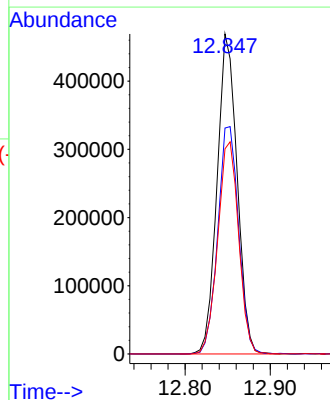
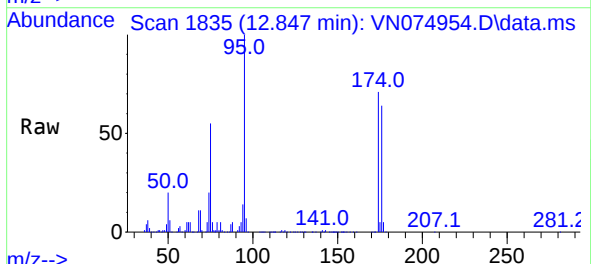
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

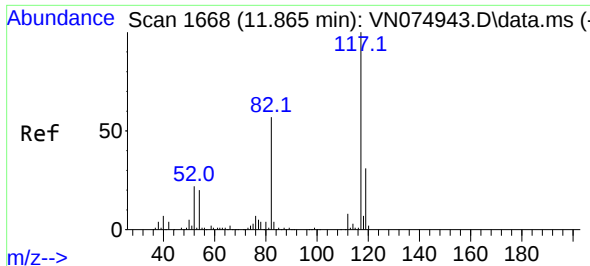
Tgt Ion: 63 Resp: 52488
Ion Ratio Lower Upper
63 100
106 29.8 24.1 36.1



#62
4-Bromofluorobenzene
Concen: 44.345 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

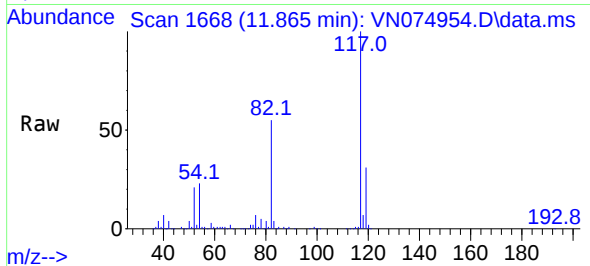
Tgt Ion: 95 Resp: 765207
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.0
176 69.3 0.0 138.2



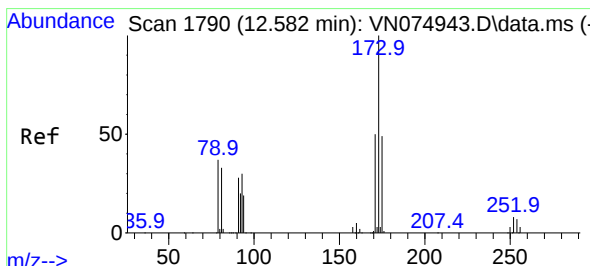
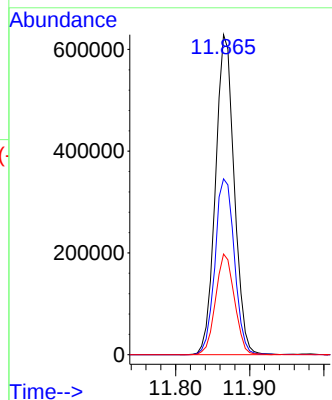
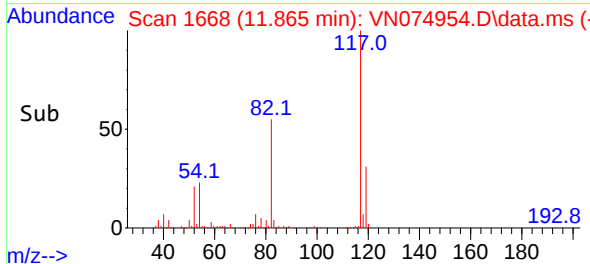


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

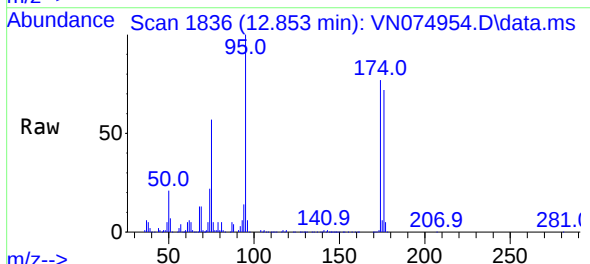
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01



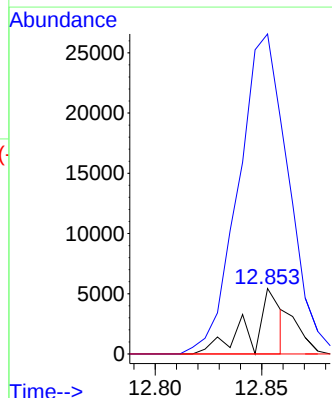
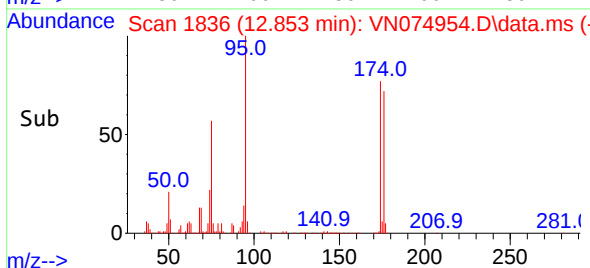
Tgt Ion:117 Resp: 1103094
Ion Ratio Lower Upper
117 100
82 55.0 45.6 68.4
119 31.4 25.1 37.7

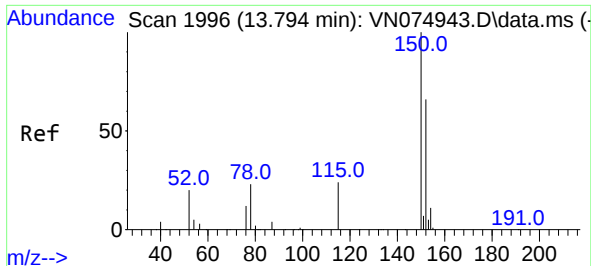


#71
Bromoform
Concen: 0.549 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30



Tgt Ion:173 Resp: 5210
Ion Ratio Lower Upper
173 100
175 696.9 24.8 74.3#
254 0.0 0.1 0.1#

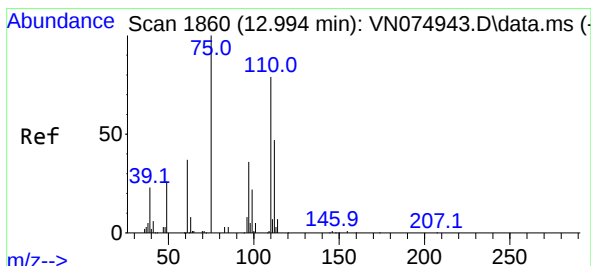
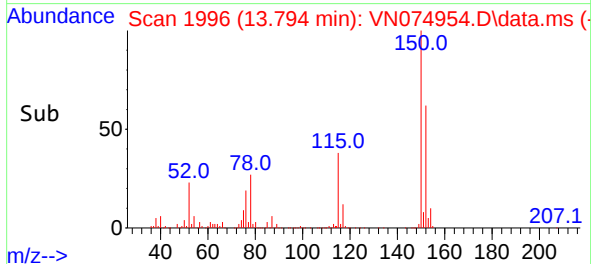
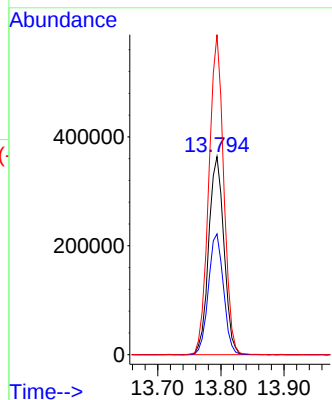
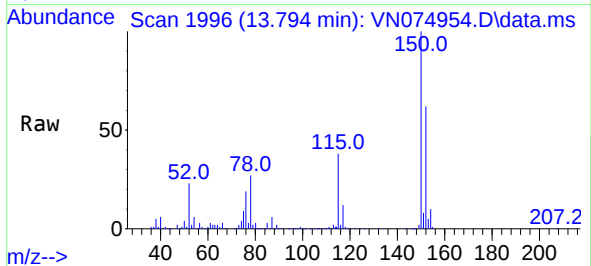




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

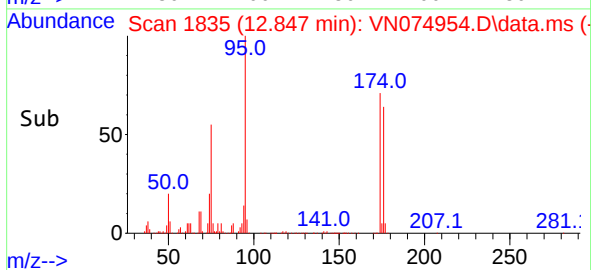
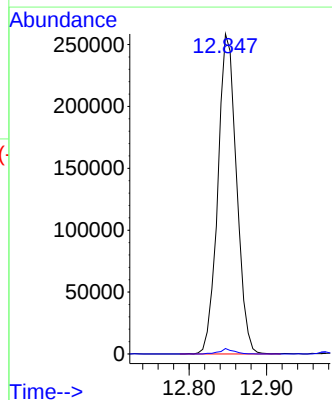
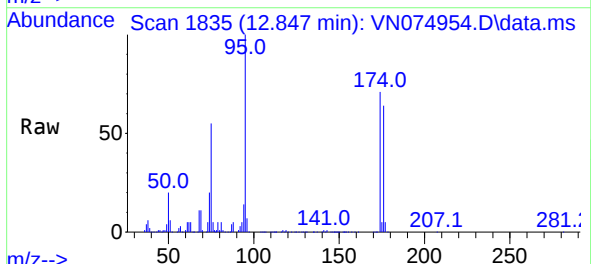
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

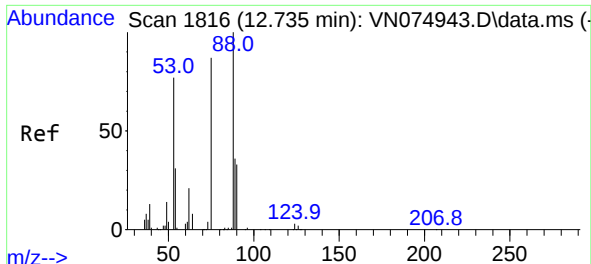
Tgt Ion:152 Resp: 610340
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 157.5 0.0 349.6



#76
1,2,3-Trichloropropane
Concen: 26.149 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion: 75 Resp: 432807
Ion Ratio Lower Upper
75 100
77 1.3 81.0 243.0#

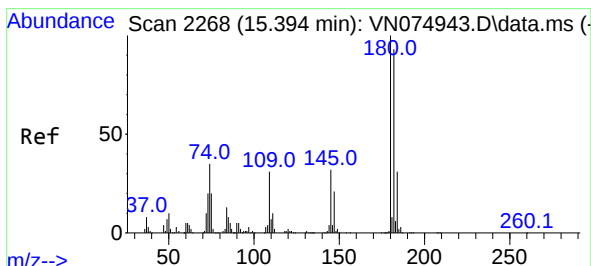
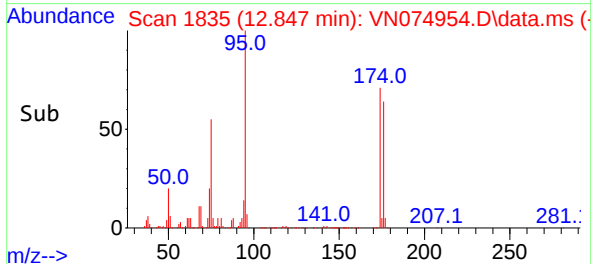
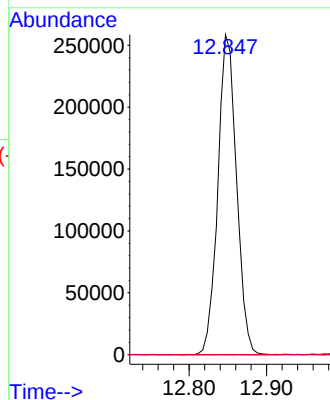
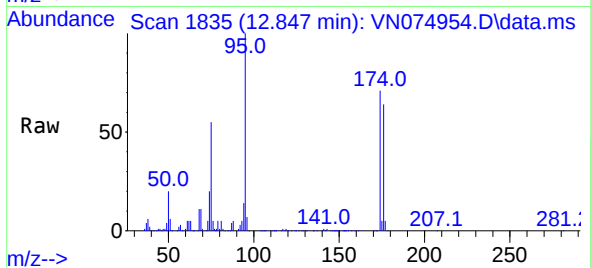




#81
trans-1,4-Dichloro-2-butene
Concen: 83.838 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

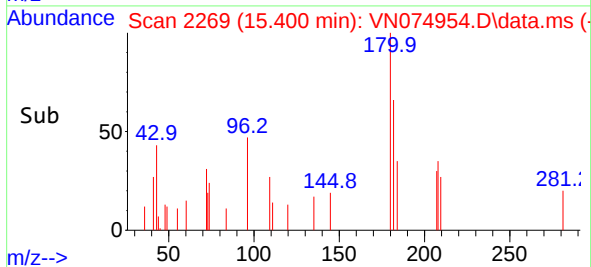
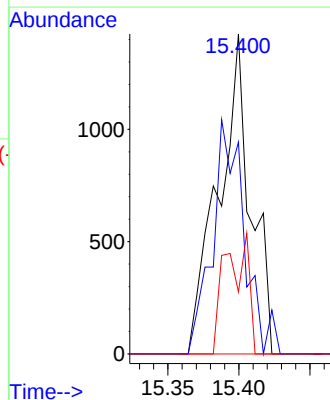
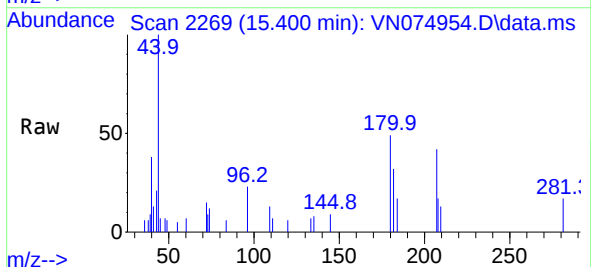
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

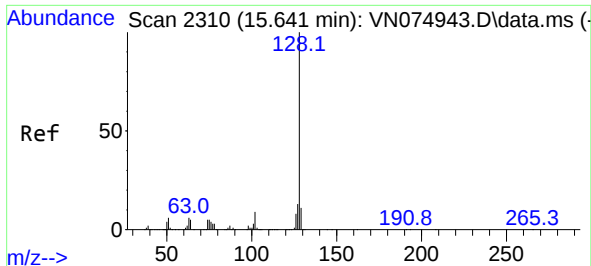
Tgt Ion: 75 Resp: 432807
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.230 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion:180 Resp: 2245
Ion Ratio Lower Upper
180 100
182 72.1 46.6 139.7
145 26.7 16.7 50.0

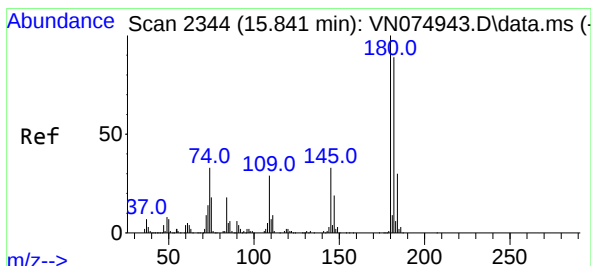
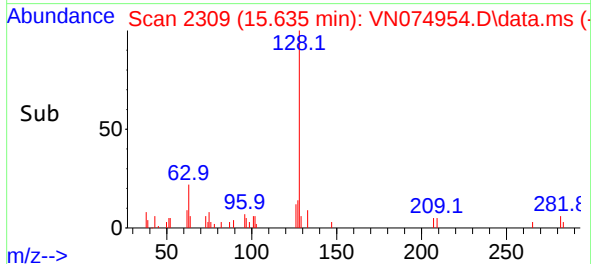
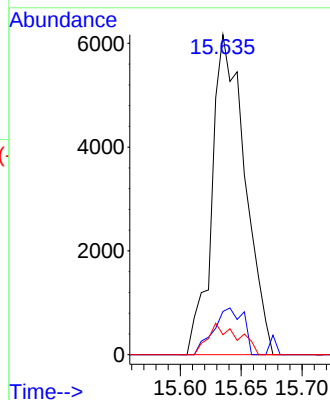
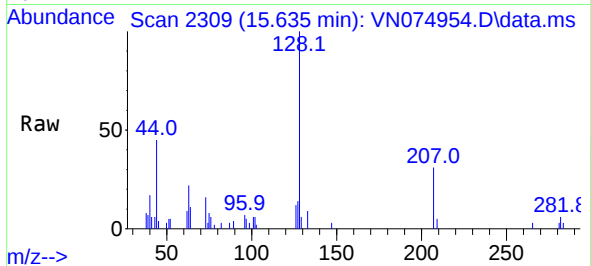




#95
Naphthalene
Concen: 0.314 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:	128	Resp:	11655
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	8.9	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.216 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN074954.D
Acq: 21 Oct 2022 11:30

Tgt Ion:	180	Resp:	2123
Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.7	140.1#
145	19.8	17.2	51.5

