

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078990.D
 Acq On : 22 Aug 2023 13:35
 Operator : JC\MD
 Sample : PB154968ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:01:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

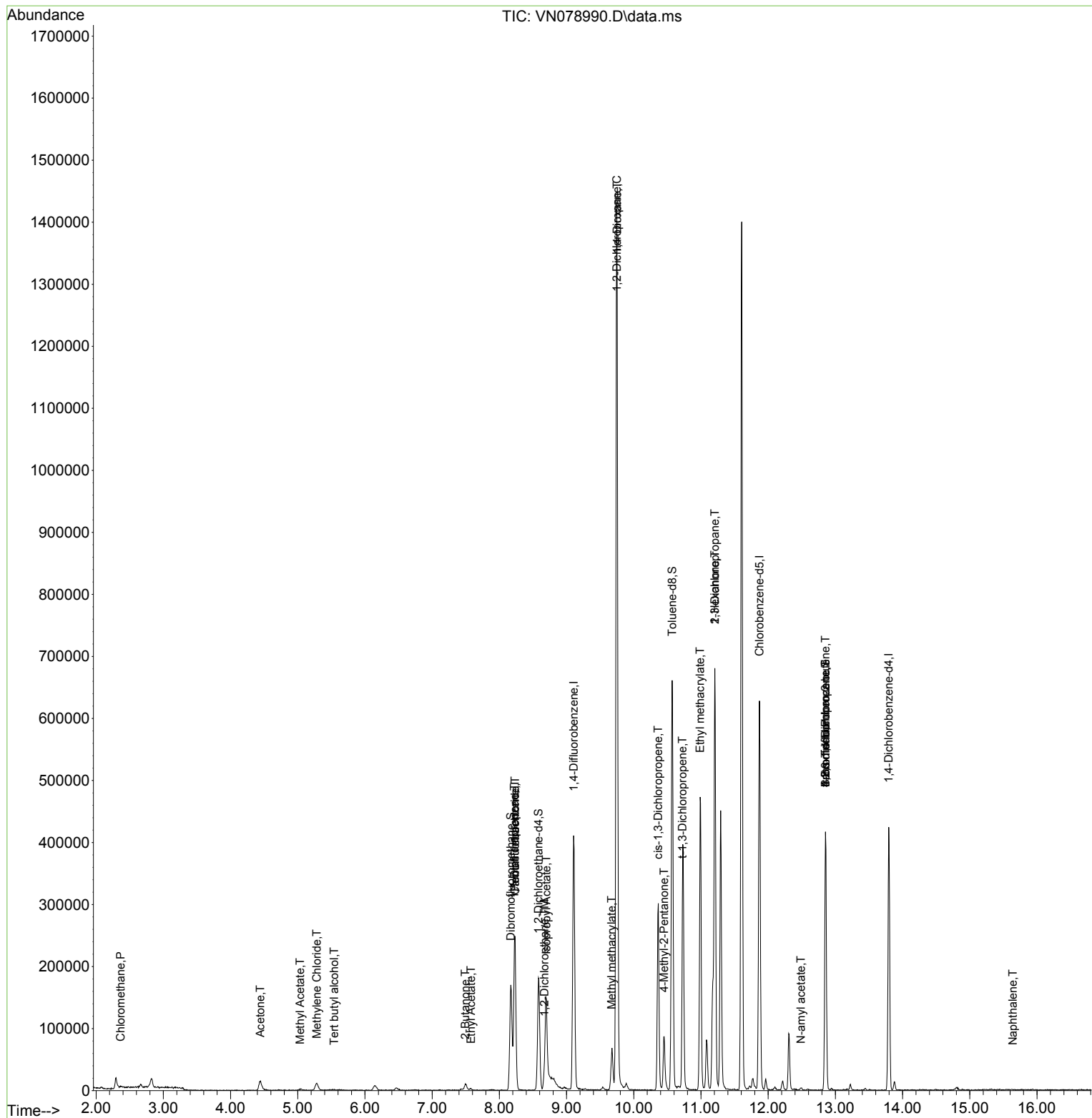
Internal Standards						
1) Pentafluorobenzene	8.230	168	175667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	343370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	348237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	143419	52.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.940%			
35) Dibromofluoromethane	8.171	113	121032	52.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.720%			
50) Toluene-d8	10.571	98	444751	51.821	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.853	95	139958	49.892	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.780%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	758	0.223	ug/l	97
11) Tert butyl alcohol	5.542	59	138	0.301	ug/l #	72
16) Acetone	4.442	43	29132	25.829	ug/l #	78
18) Methyl Acetate	5.036	43	3854	0.809	ug/l #	62
20) Methylene Chloride	5.283	84	8220	3.420	ug/l #	78
25) 2-Butanone	7.494	43	17167	9.493	ug/l #	70
31) Cyclohexane	8.224	56	4612	Below Cal	#	46
36) 1,1-Dichloropropene	8.224	75	16490	4.743	ug/l #	48
37) Ethyl Acetate	7.577	43	4209	1.082	ug/l #	74
38) Carbon Tetrachloride	8.236	117	18859	5.413	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	1040	0.271	ug/l #	73
43) Isopropyl Acetate	8.700	43	196320	28.552	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1896	0.693	ug/l #	45
48) Methyl methacrylate	9.671	41	4287	1.376	ug/l #	33
49) 1,4-Dioxane	9.753	88	94	1.771	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	65714	16.114	ug/l #	80
53) t-1,3-Dichloropropene	10.724	75	842	0.212	ug/l #	1
54) cis-1,3-Dichloropropene	10.365	75	50228	11.605	ug/l #	74
56) Ethyl methacrylate	10.988	69	1915	0.488	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6229	1.377	ug/l #	42
59) 2-Hexanone	11.206	43	93118	31.525	ug/l #	44
71) Bromoform	12.853	173	1674	0.822	ug/l #	1
74) N-amyl acetate	12.488	43	1978	0.433	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	78349	29.934	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78349	76.467	ug/l #	15
95) Naphthalene	15.641	128	242	2.620	ug/l #	70

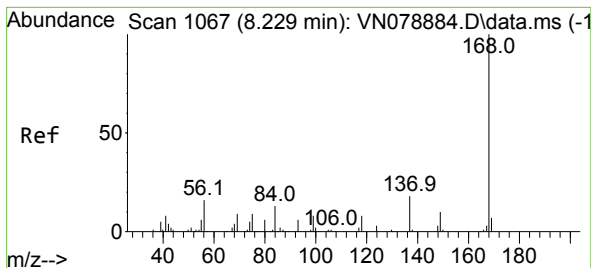
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

Instrument :

MSVOA_N

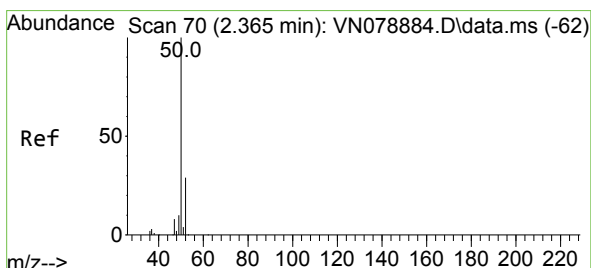
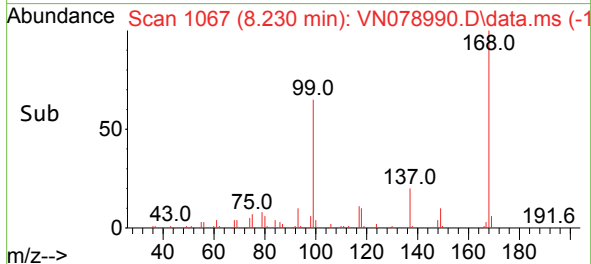
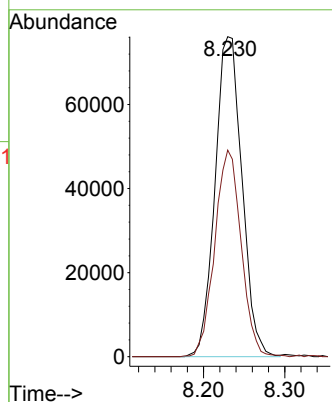
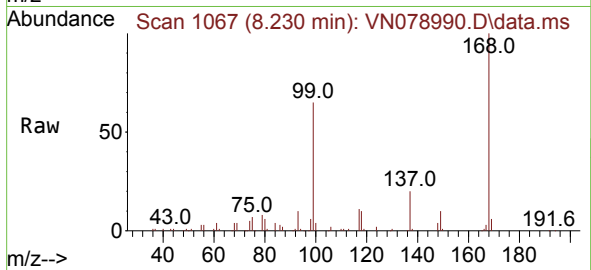
ClientSampleId :

Tgt Ion:168 Resp: 175667

Ion Ratio Lower Upper

168 100

99 64.5 53.0 79.6



#3

Chloromethane

Concen: 0.223 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN078990.D

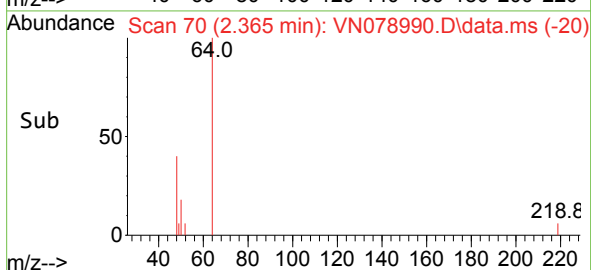
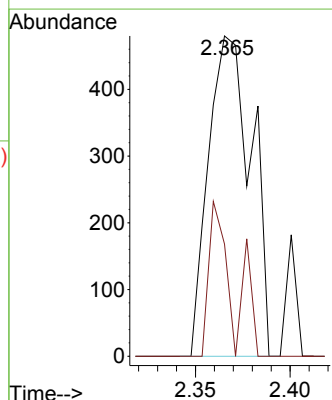
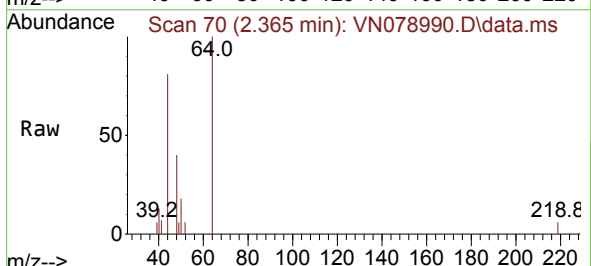
Acq: 22 Aug 2023 13:35

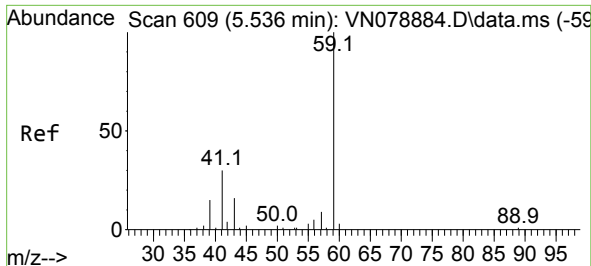
Tgt Ion: 50 Resp: 758

Ion Ratio Lower Upper

50 100

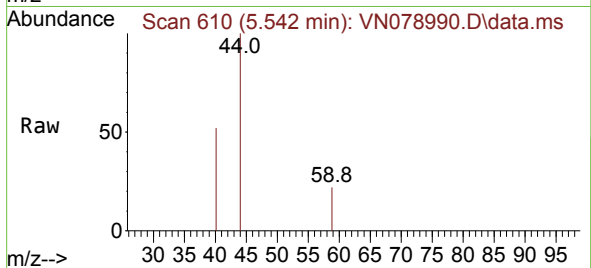
52 35.0 26.5 39.7



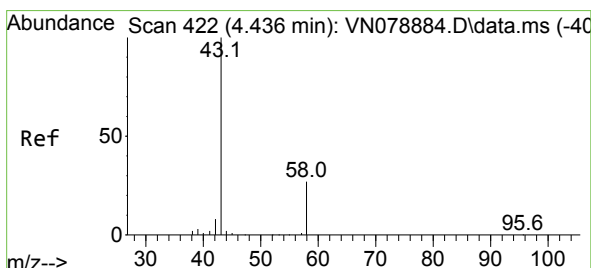
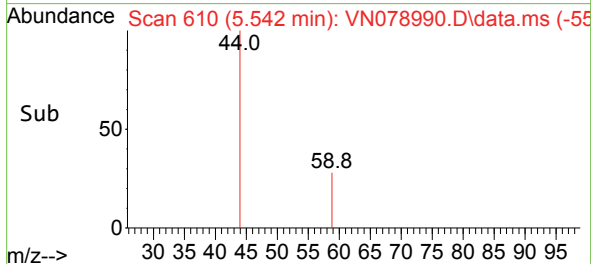
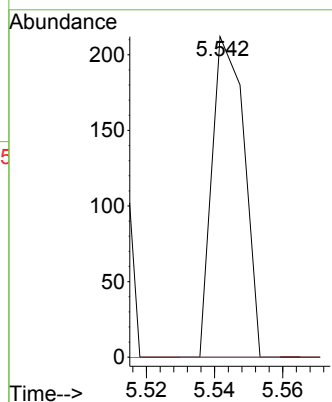


#11
Tert butyl alcohol
Concen: 0.301 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :

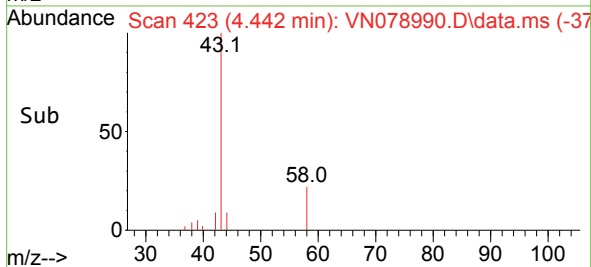
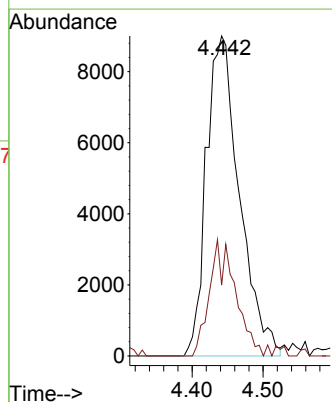
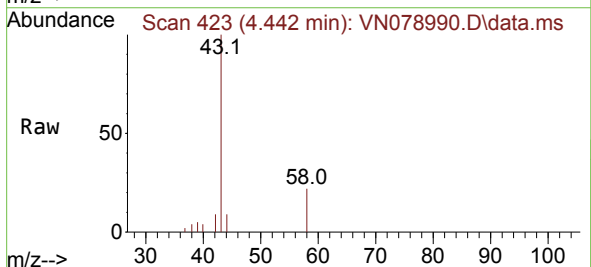


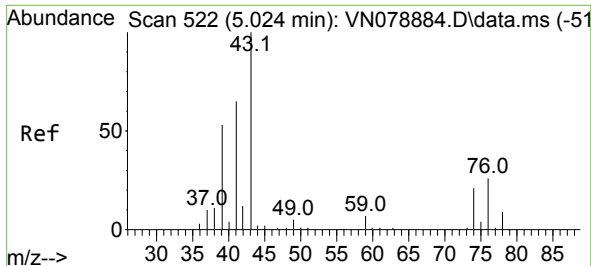
Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 25.829 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion: 43 Resp: 29132
Ion Ratio Lower Upper
43 100
58 22.2 28.0 42.0#

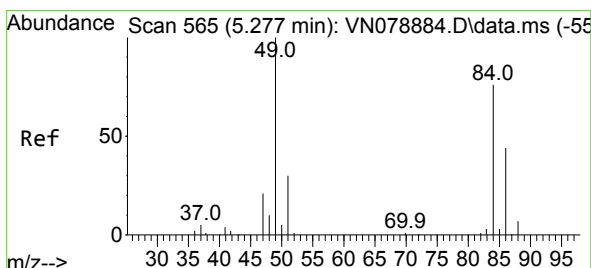
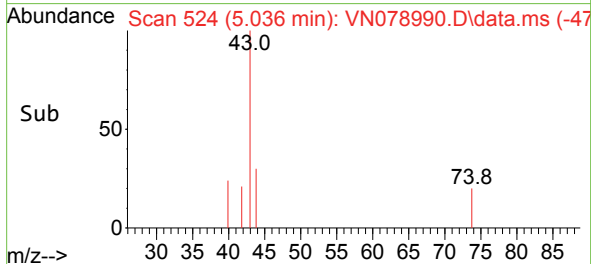
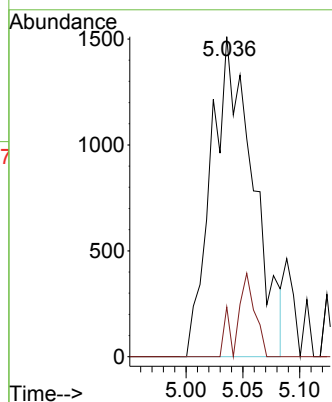
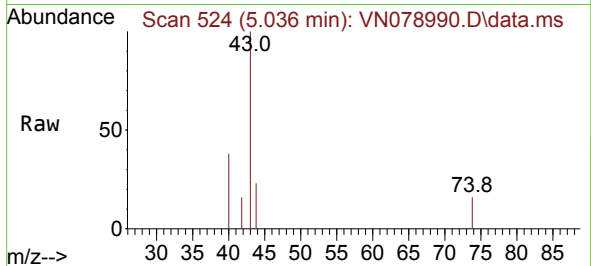




#18
Methyl Acetate
Concen: 0.809 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

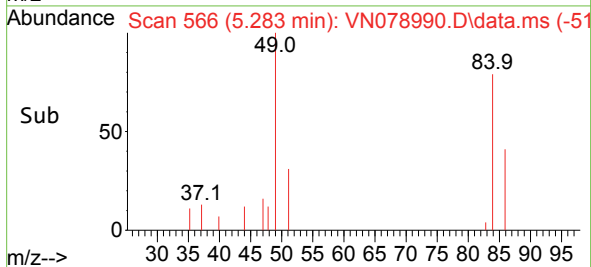
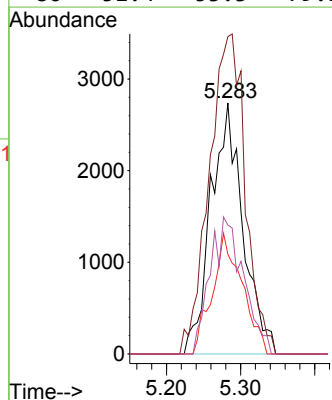
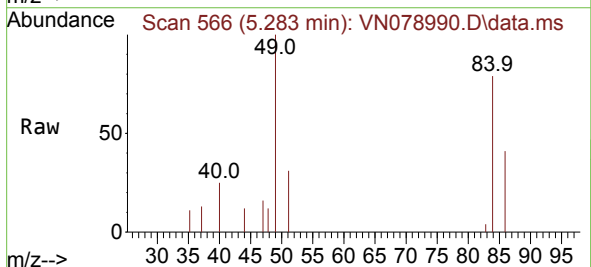
Instrument :
MSVOA_N
ClientSampleId :

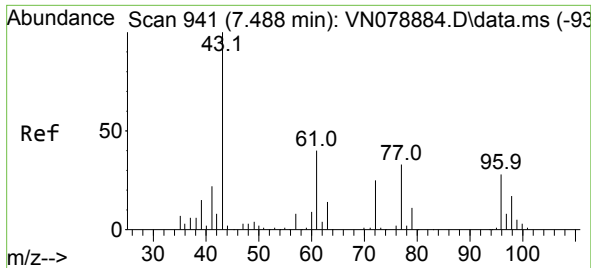
Tgt Ion: 43 Resp: 3854
Ion Ratio Lower Upper
43 100
74 11.4 26.2 39.4#



#20
Methylene Chloride
Concen: 3.420 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion: 84 Resp: 8220
Ion Ratio Lower Upper
84 100
49 126.4 79.7 119.5#
51 39.7 25.2 37.8#
86 51.4 53.3 79.9#

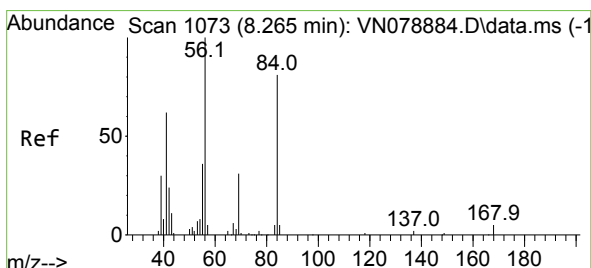
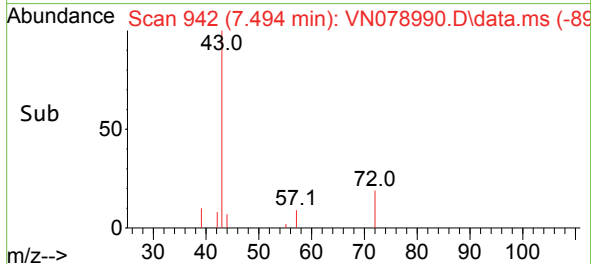
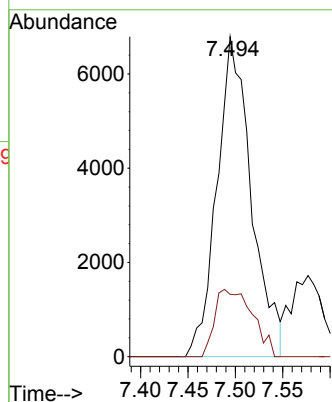
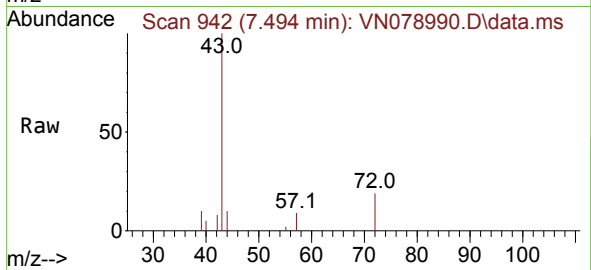




#25
2-Butanone
Concen: 9.493 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

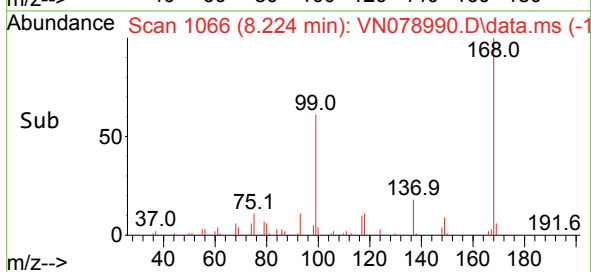
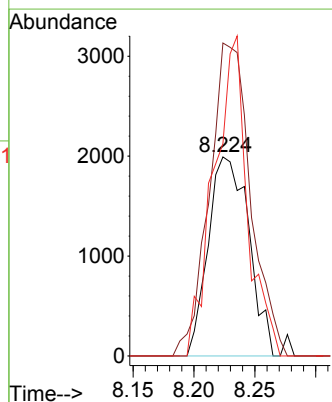
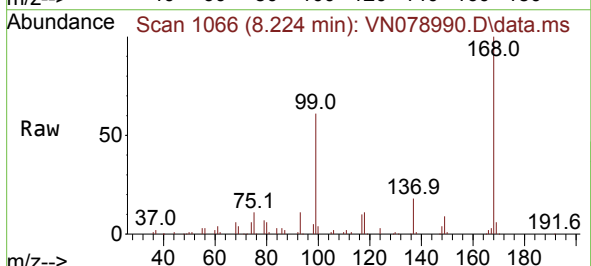
Instrument :
MSVOA_N
ClientSampleId :

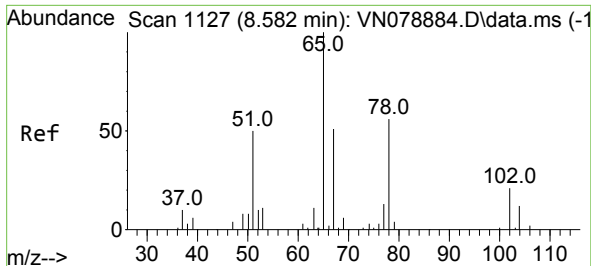
Tgt Ion: 43 Resp: 17167
Ion Ratio Lower Upper
43 100
72 19.5 30.2 45.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion: 56 Resp: 4612
Ion Ratio Lower Upper
56 100
69 149.6 26.8 40.2#
84 106.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.467 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

Instrument :

MSVOA_N

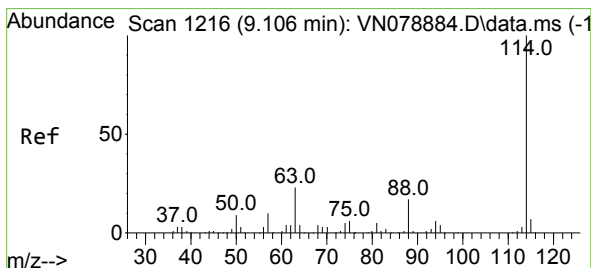
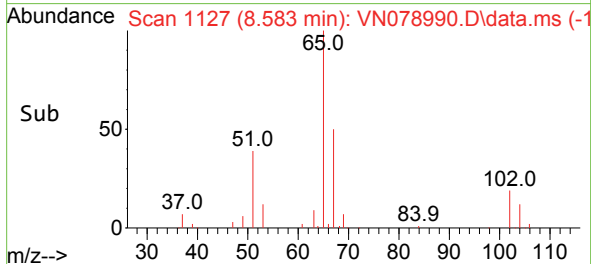
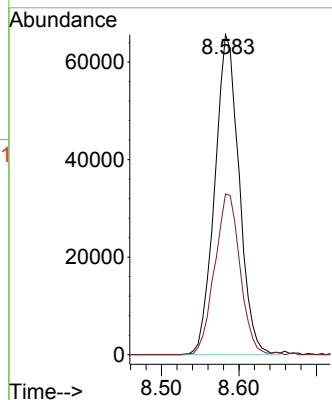
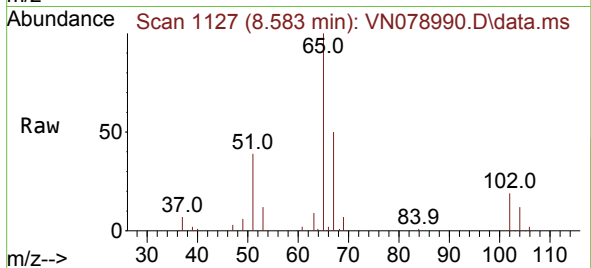
ClientSampleId :

Tgt Ion: 65 Resp: 143419

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

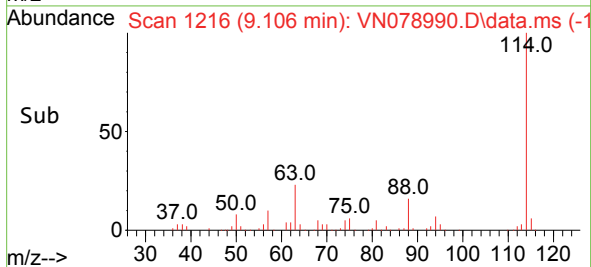
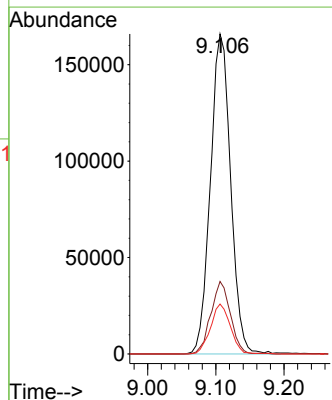
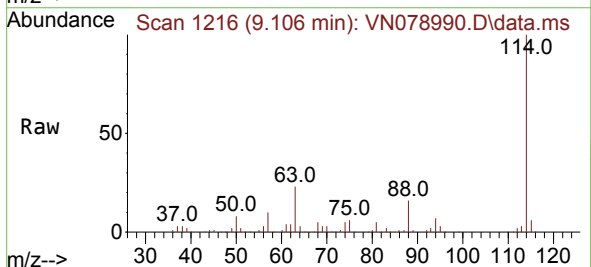
Tgt Ion: 114 Resp: 343370

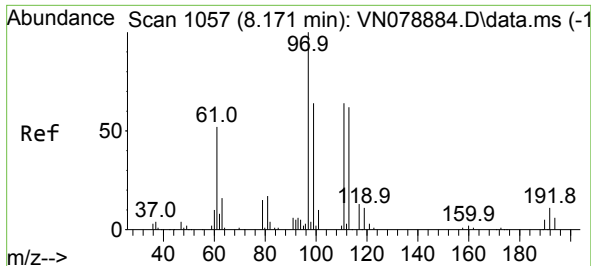
Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.363 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

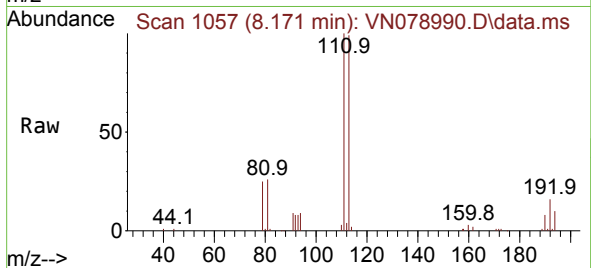
Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :



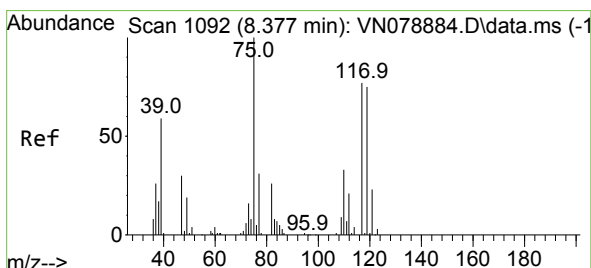
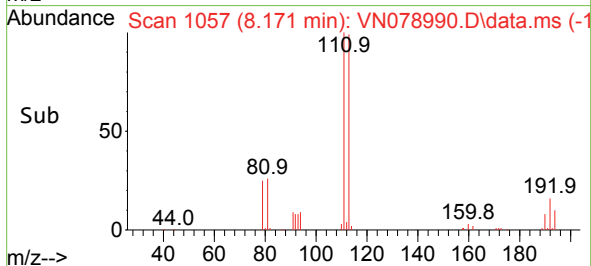
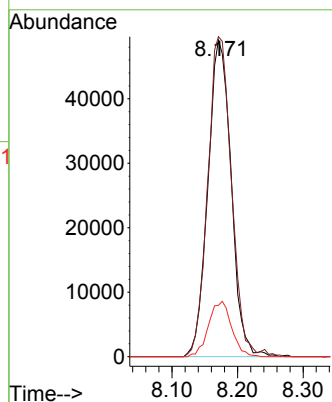
Tgt Ion:113 Resp: 121032

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 17.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

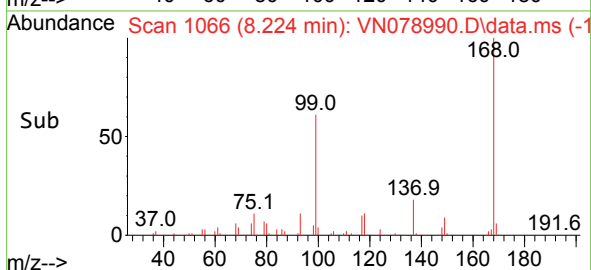
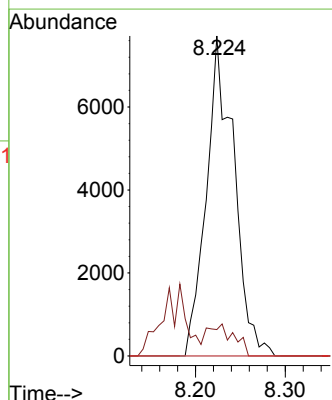
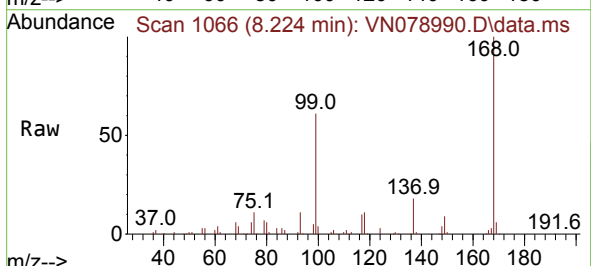
Tgt Ion: 75 Resp: 16490

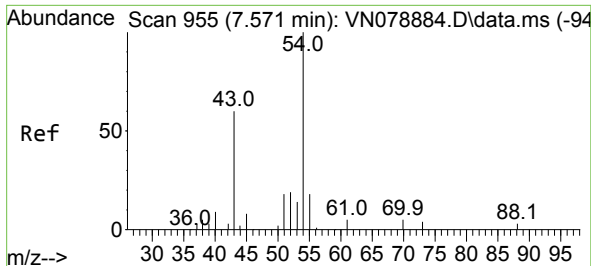
Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.082 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

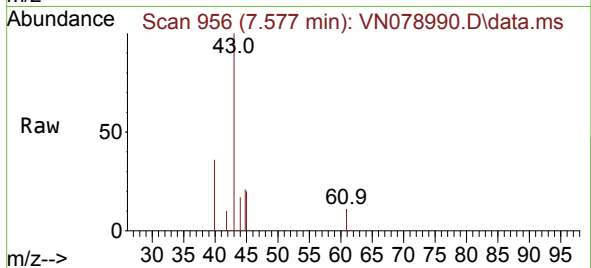
Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :



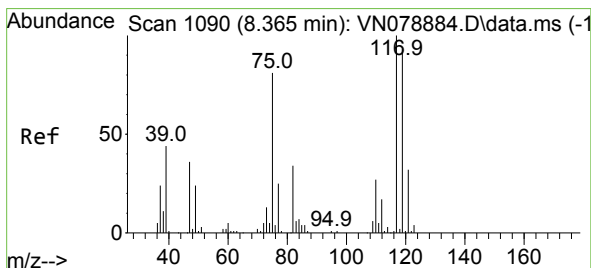
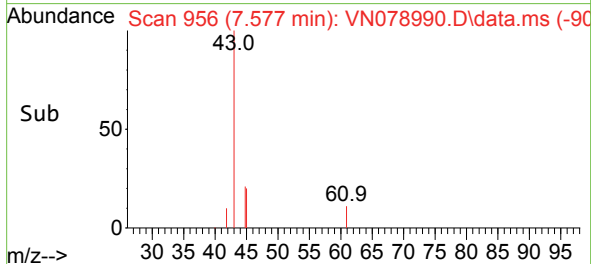
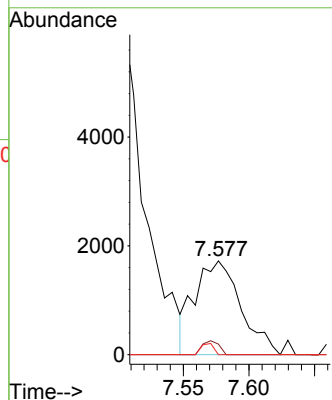
Tgt Ion: 43 Resp: 4209

Ion Ratio Lower Upper

43 100

61 5.4 13.2 19.8#

70 3.3 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.413 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

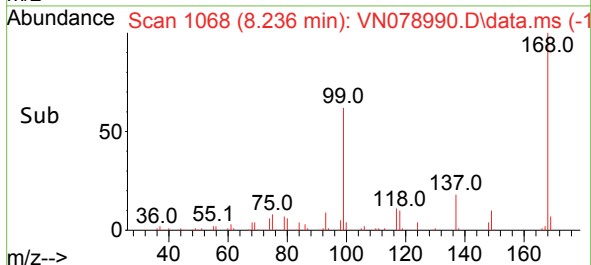
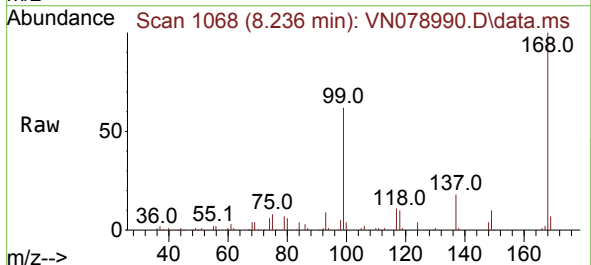
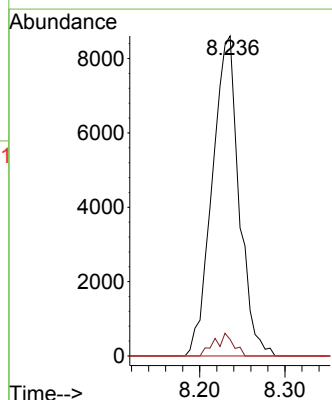
Tgt Ion: 117 Resp: 18859

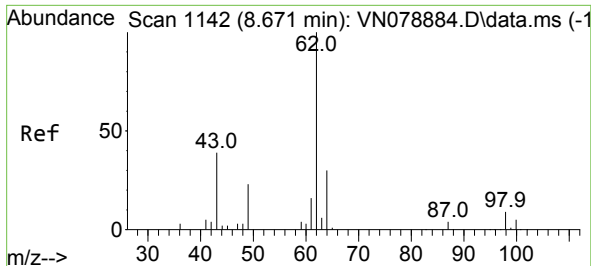
Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.271 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

Instrument :

MSVOA_N

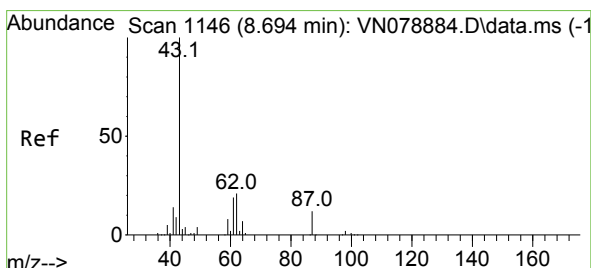
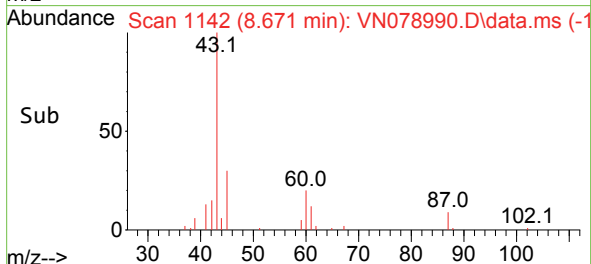
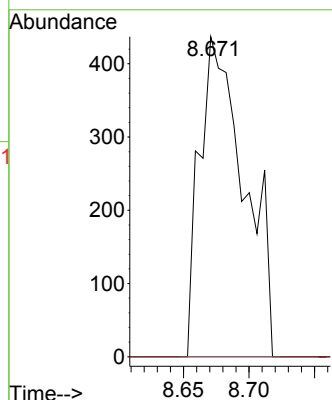
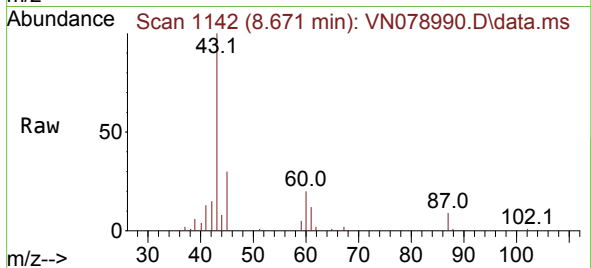
ClientSampleId :

Tgt Ion: 62 Resp: 1040

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 28.552 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

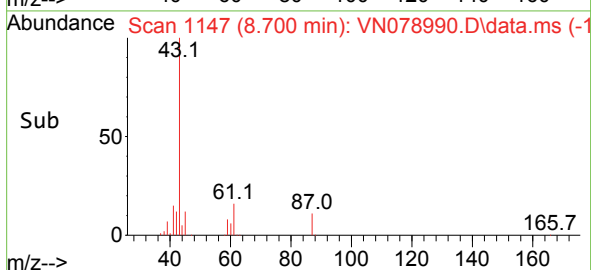
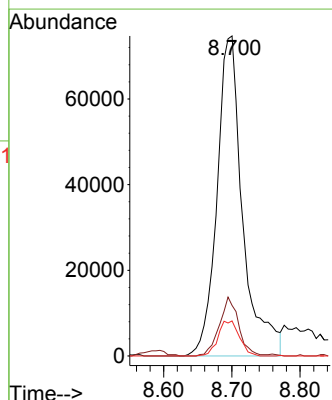
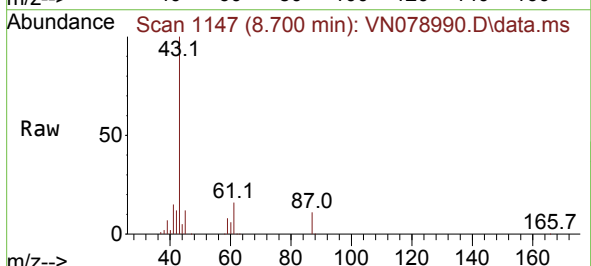
Tgt Ion: 43 Resp: 196320

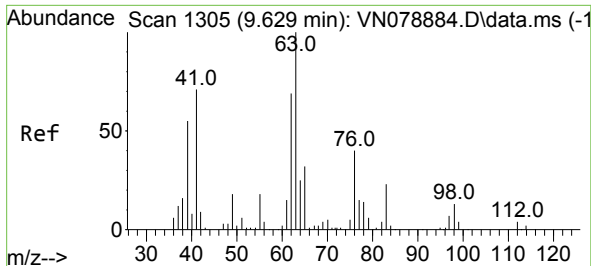
Ion Ratio Lower Upper

43 100

61 13.9 24.7 37.1#

87 9.1 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.693 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

Instrument :

MSVOA_N

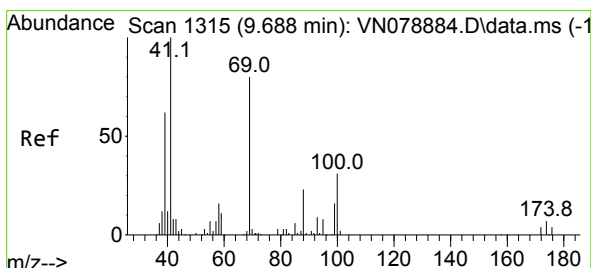
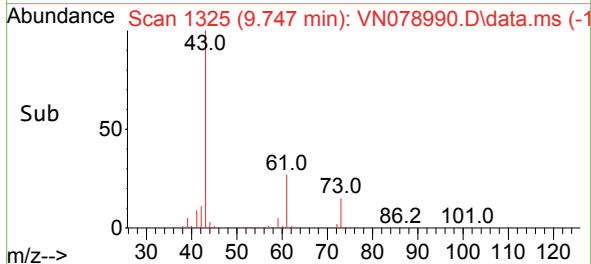
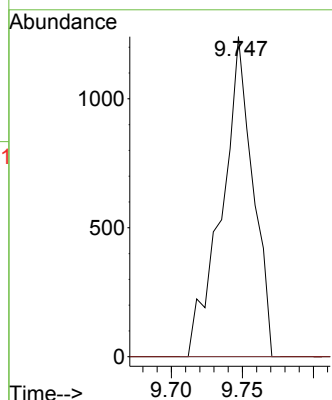
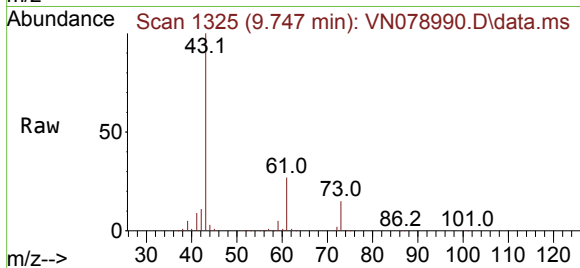
ClientSampleId :

Tgt Ion: 63 Resp: 1896

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.376 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.017 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

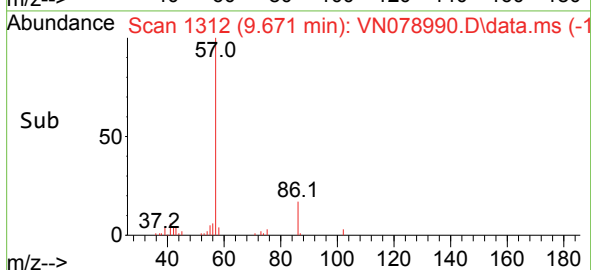
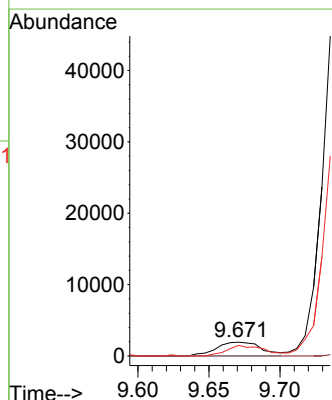
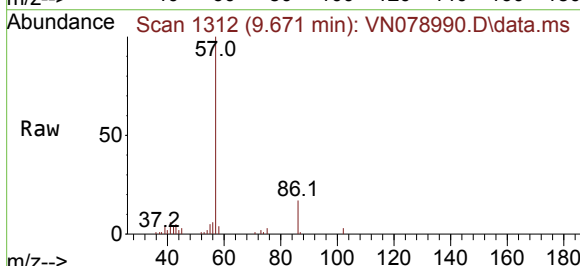
Tgt Ion: 41 Resp: 4287

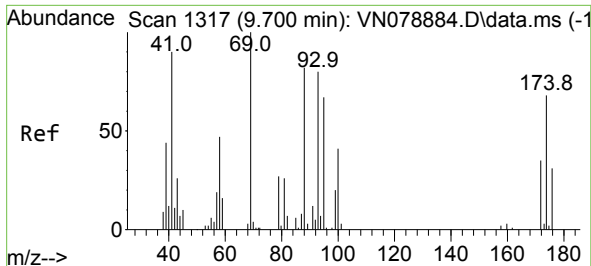
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

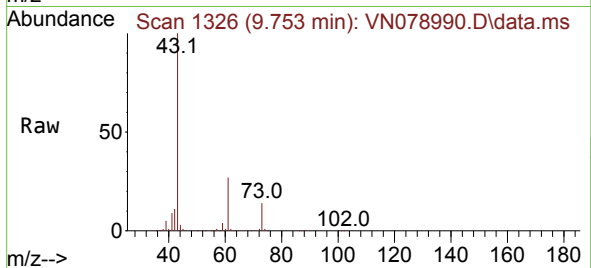
39 66.3 54.6 81.8



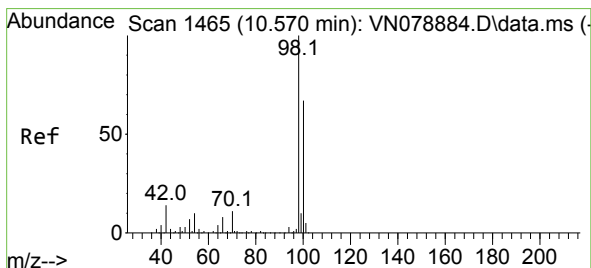
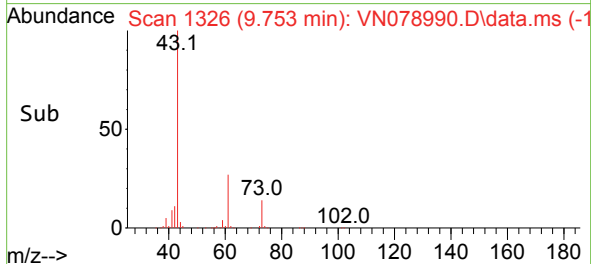
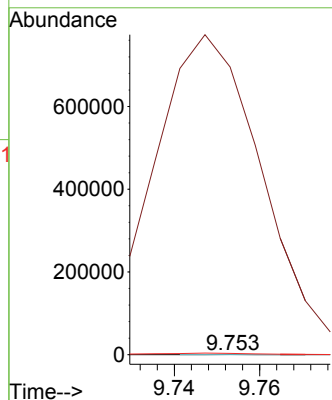


#49
1,4-Dioxane
Concen: 1.771 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :

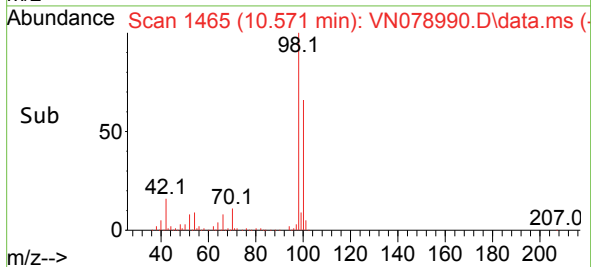
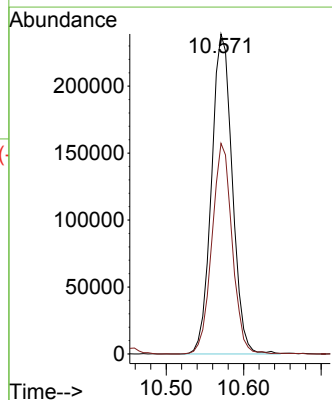
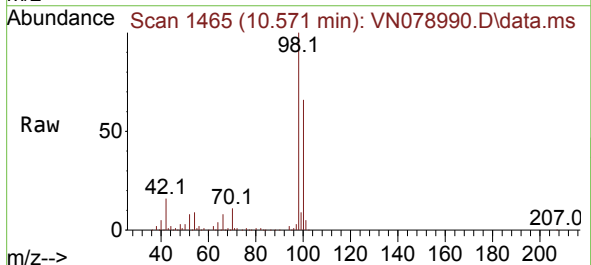


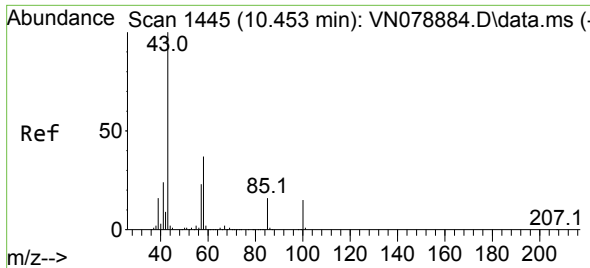
Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 1512762.8 17.0 25.6#
58 7560.6 47.0 70.4#



#50
Toluene-d8
Concen: 51.821 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion: 98 Resp: 444751
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

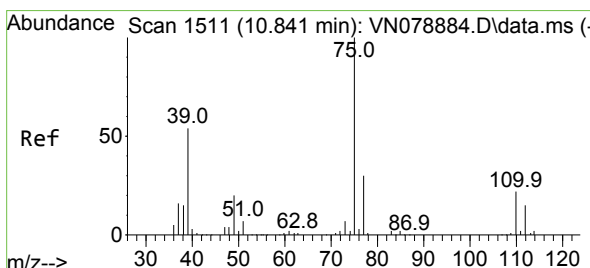
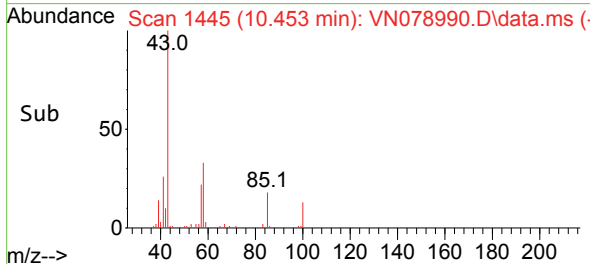
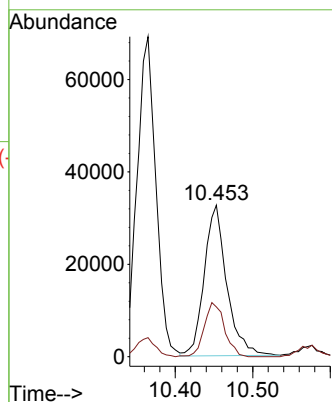
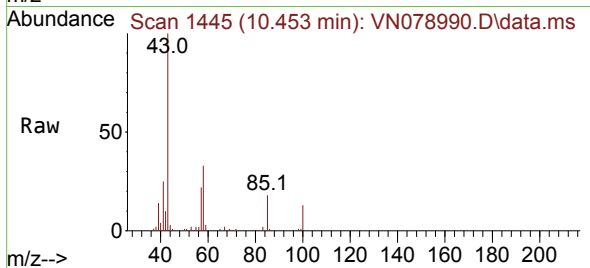




#51
4-Methyl-2-Pentanone
Concen: 16.114 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

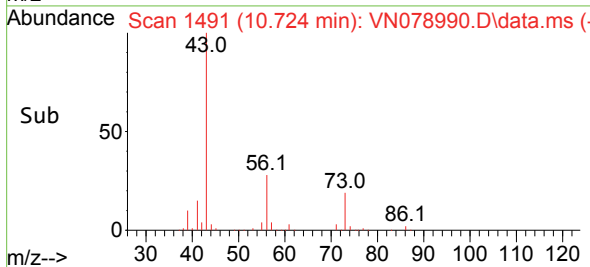
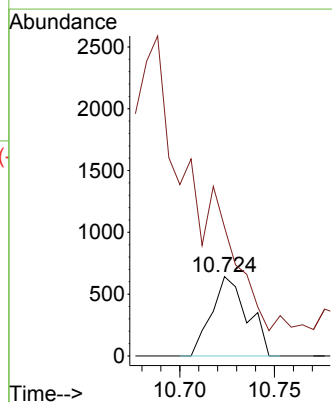
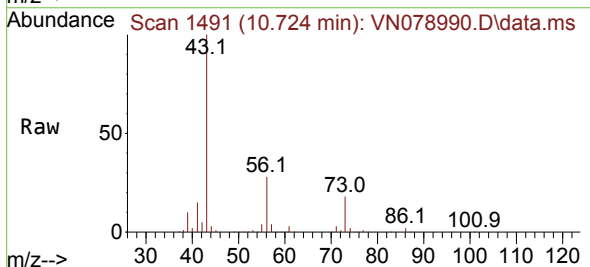
Instrument :
MSVOA_N
ClientSampleId :

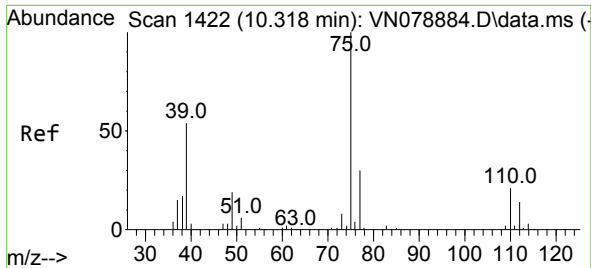
Tgt Ion: 43 Resp: 65714
Ion Ratio Lower Upper
43 100
58 32.3 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.117 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion: 75 Resp: 842
Ion Ratio Lower Upper
75 100
77 111.5 25.4 38.0#

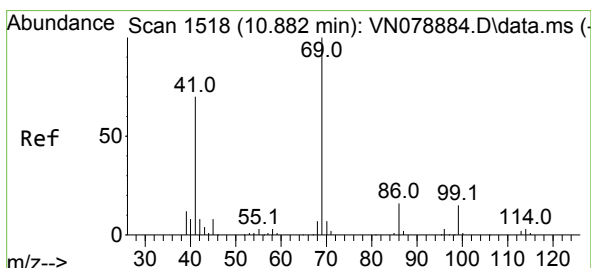
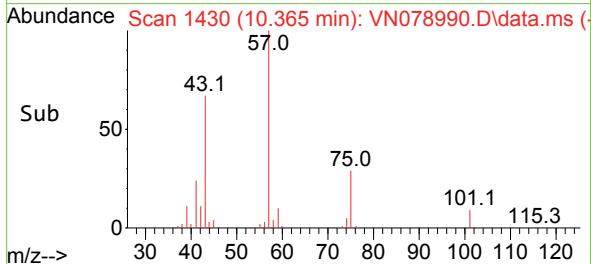
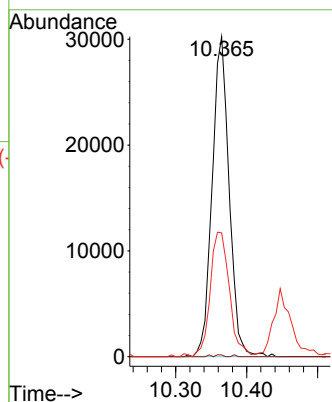
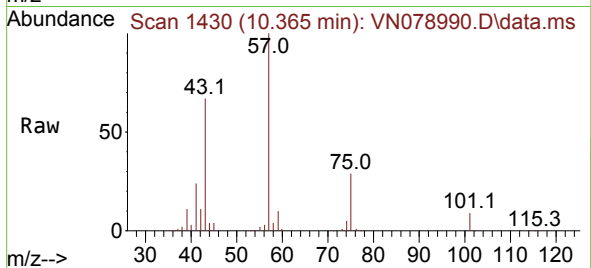




#54
 cis-1,3-Dichloropropene
 Concen: 11.605 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078990.D
 Acq: 22 Aug 2023 13:35

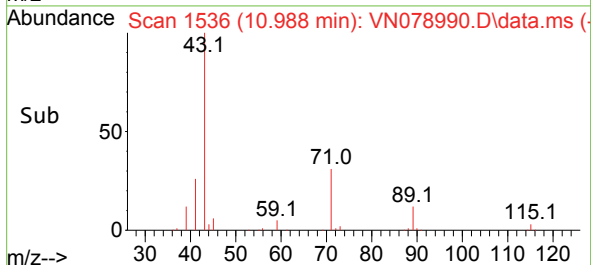
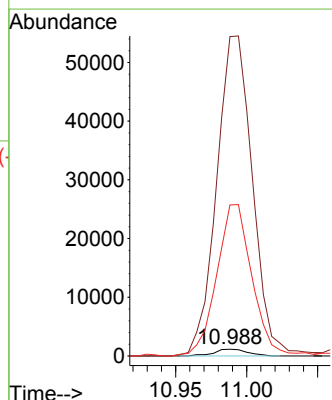
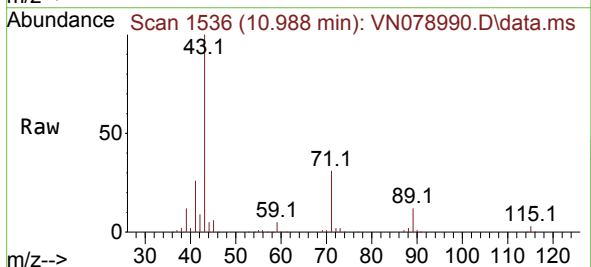
Instrument :
 MSVOA_N
 ClientSampleId :

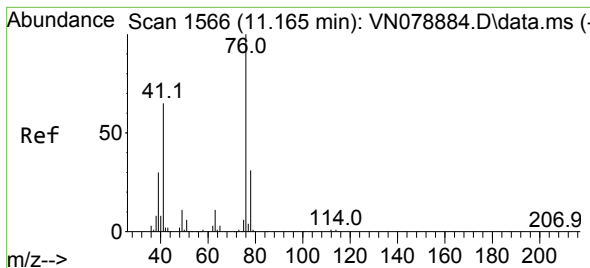
Tgt Ion: 75 Resp: 50228
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 38.7 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.488 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.111 min
 Lab File: VN078990.D
 Acq: 22 Aug 2023 13:35

Tgt Ion: 69 Resp: 1915
 Ion Ratio Lower Upper
 69 100
 41 5020.8 39.6 59.4#
 39 2333.9 28.6 43.0#

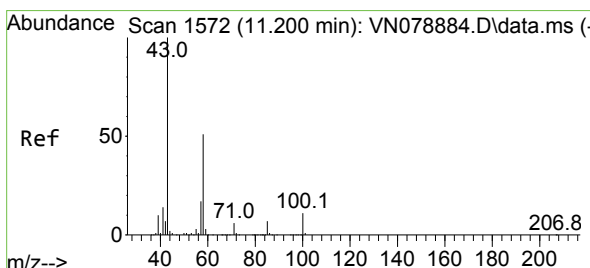
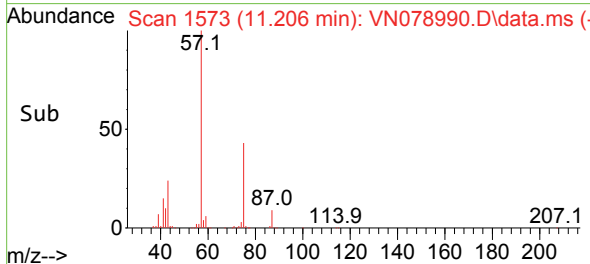
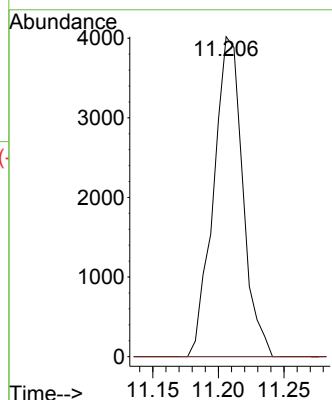
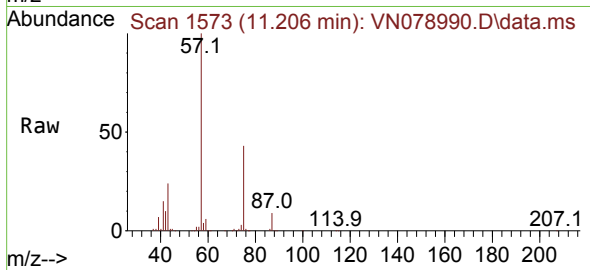




#57
1,3-Dichloropropane
Concen: 1.377 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

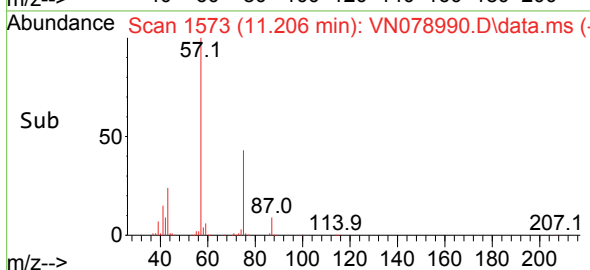
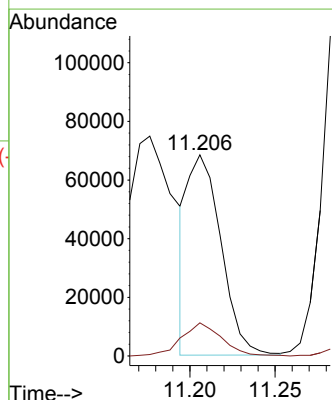
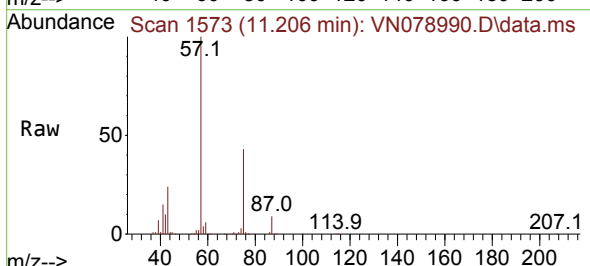
Instrument :
MSVOA_N
ClientSampleId :

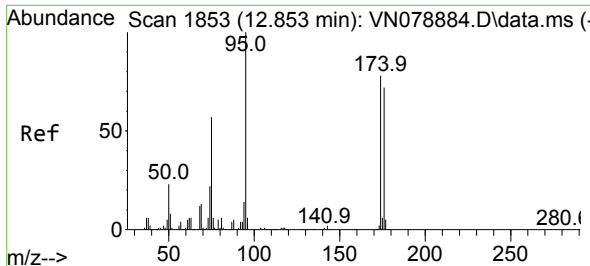
Tgt Ion: 76 Resp: 6229
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 31.525 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion: 43 Resp: 93118
Ion Ratio Lower Upper
43 100
58 20.0 31.7 95.1#

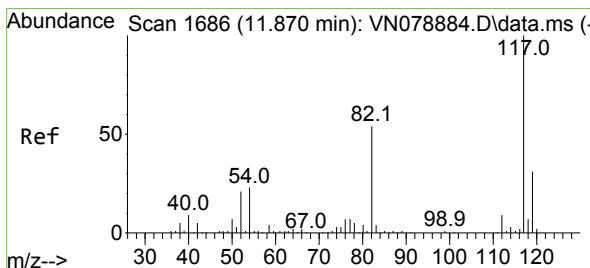
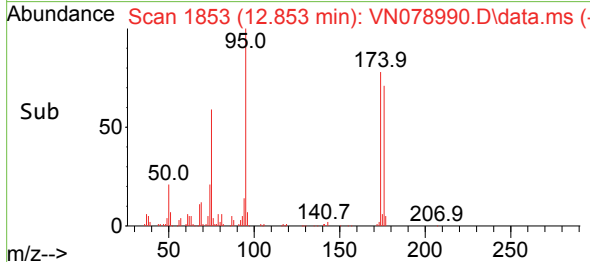
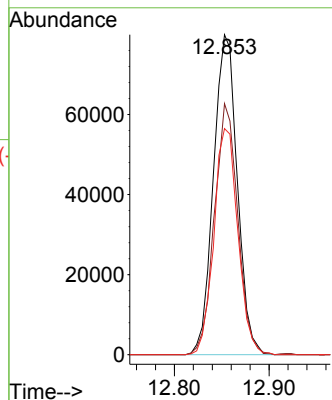
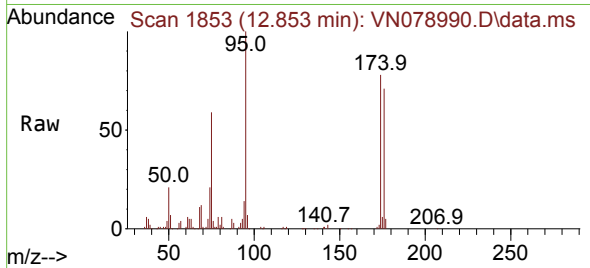




#62
4-Bromofluorobenzene
Concen: 49.892 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

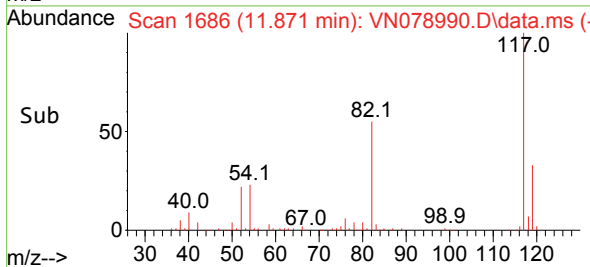
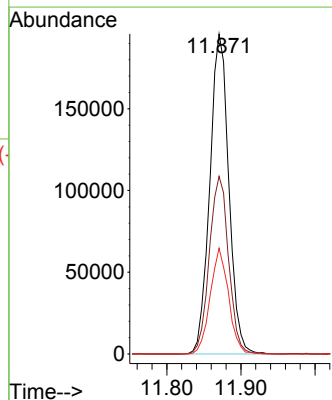
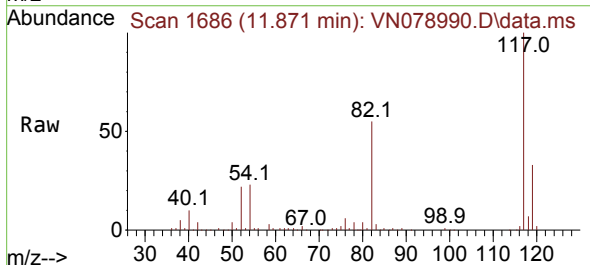
Instrument :
MSVOA_N
ClientSampleId :

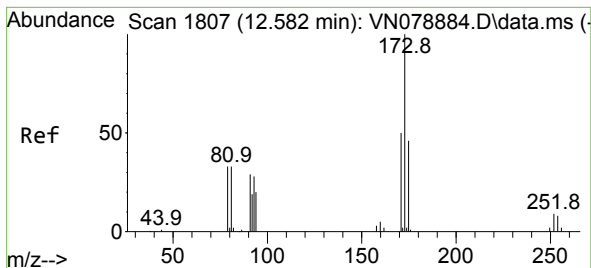
Tgt Ion: 95 Resp: 139958
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion: 117 Resp: 348237
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 33.1 25.6 38.4





#71

Bromoform

Concen: 0.822 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

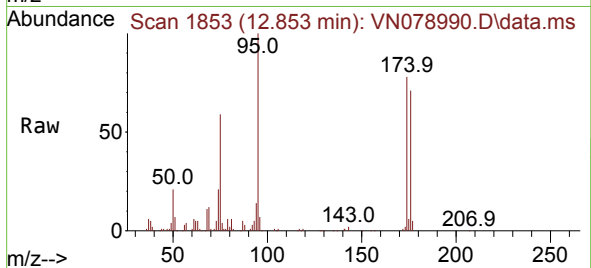
Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

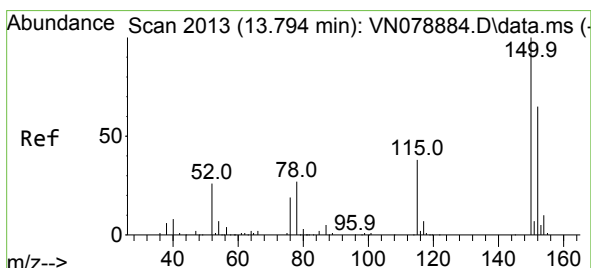
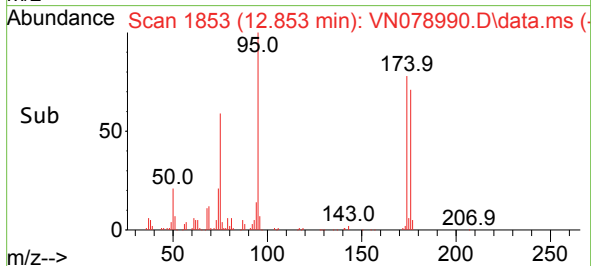
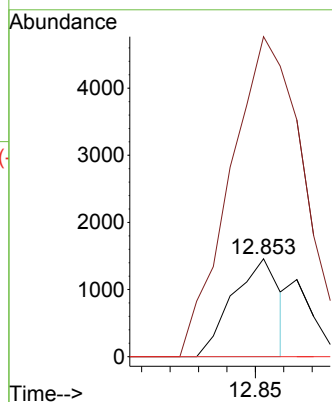
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1674
Ion Ratio	Lower	Upper	
173	100		
175	375.9	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

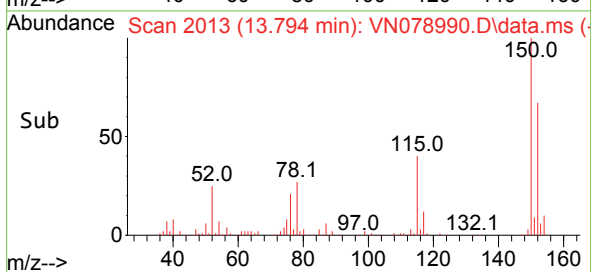
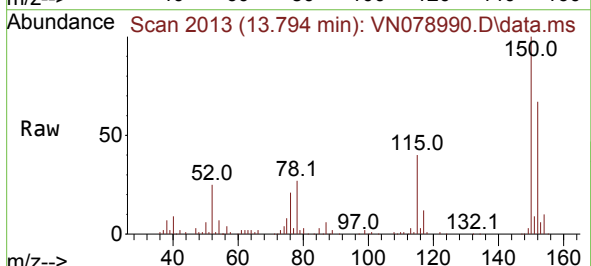
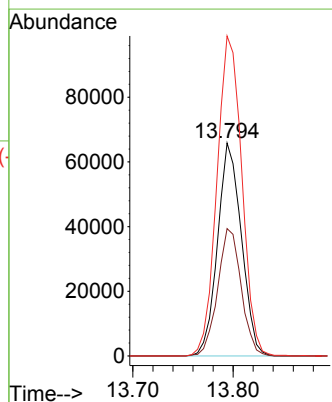
RT: 13.794 min Scan# 2013

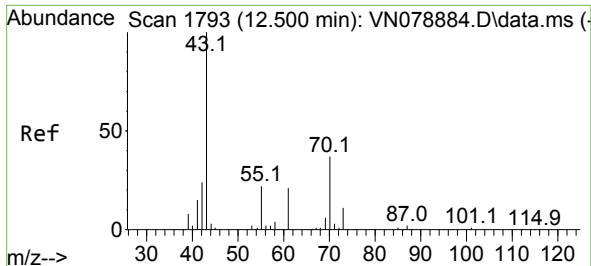
Delta R.T. -0.000 min

Lab File: VN078990.D

Acq: 22 Aug 2023 13:35

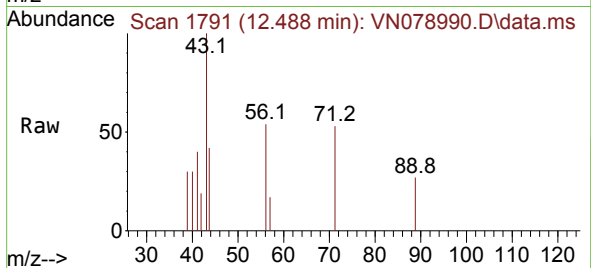
Tgt Ion:	152	Resp:	108629
Ion Ratio	Lower	Upper	
152	100		
115	59.1	32.3	96.8
150	157.2	0.0	355.8



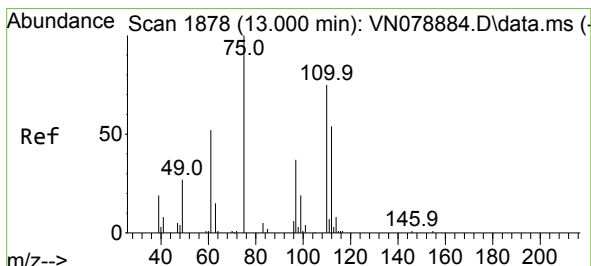
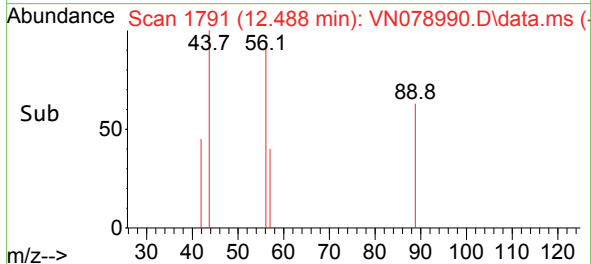
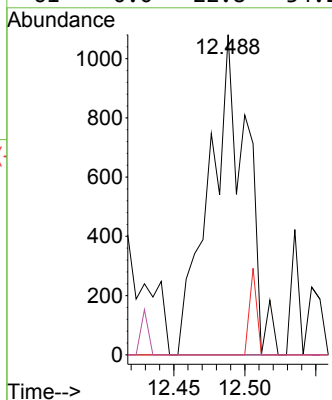


#74
N-amy1 acetate
Concen: 0.433 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :

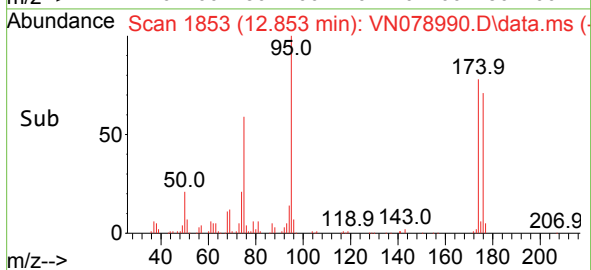
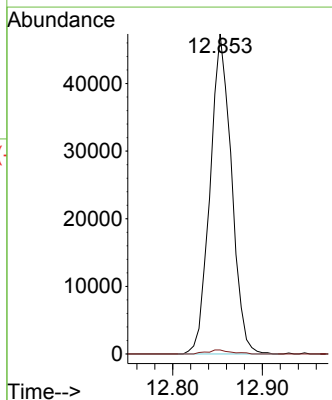
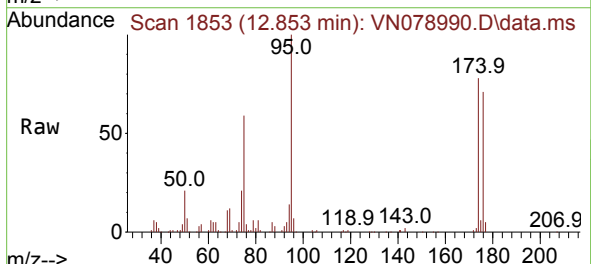


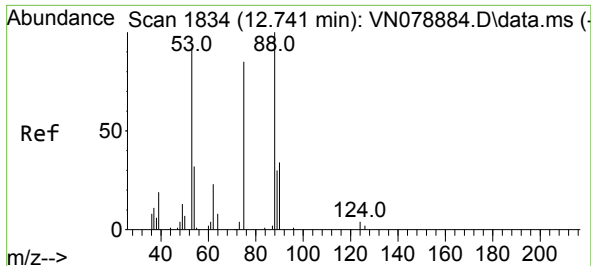
Tgt Ion:	43	Resp:	1978
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	5.2	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 29.934 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion:	75	Resp:	78349
Ion	Ratio	Lower	Upper
75	100		
77	1.4	84.5	253.5#

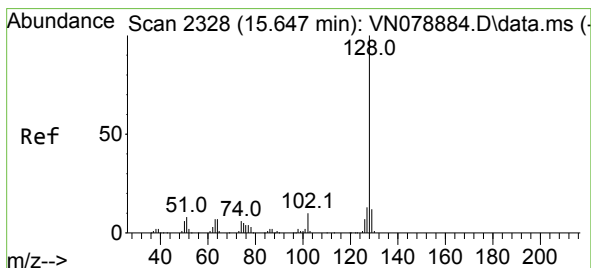
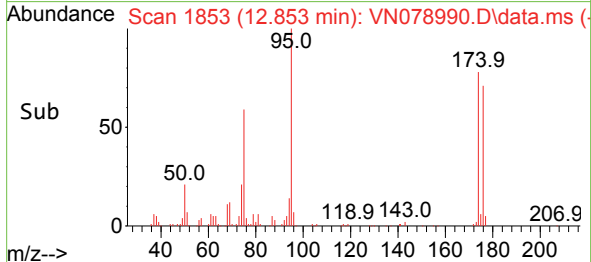
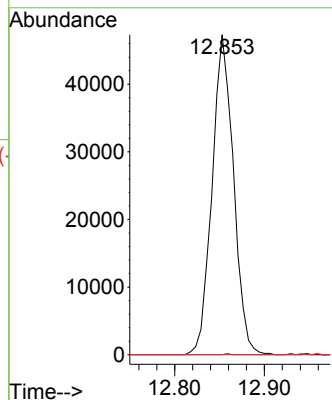
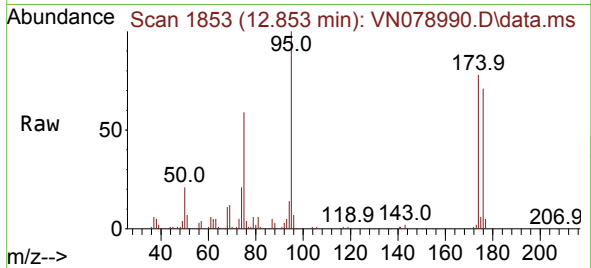




#81
trans-1,4-Dichloro-2-butene
Concen: 76.467 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 78349
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.620 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078990.D
Acq: 22 Aug 2023 13:35

Tgt Ion:128 Resp: 242
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

