

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078838.D
 Acq On : 10 Aug 2023 15:32
 Operator : JC\MD
 Sample : PB154726ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:52:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

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

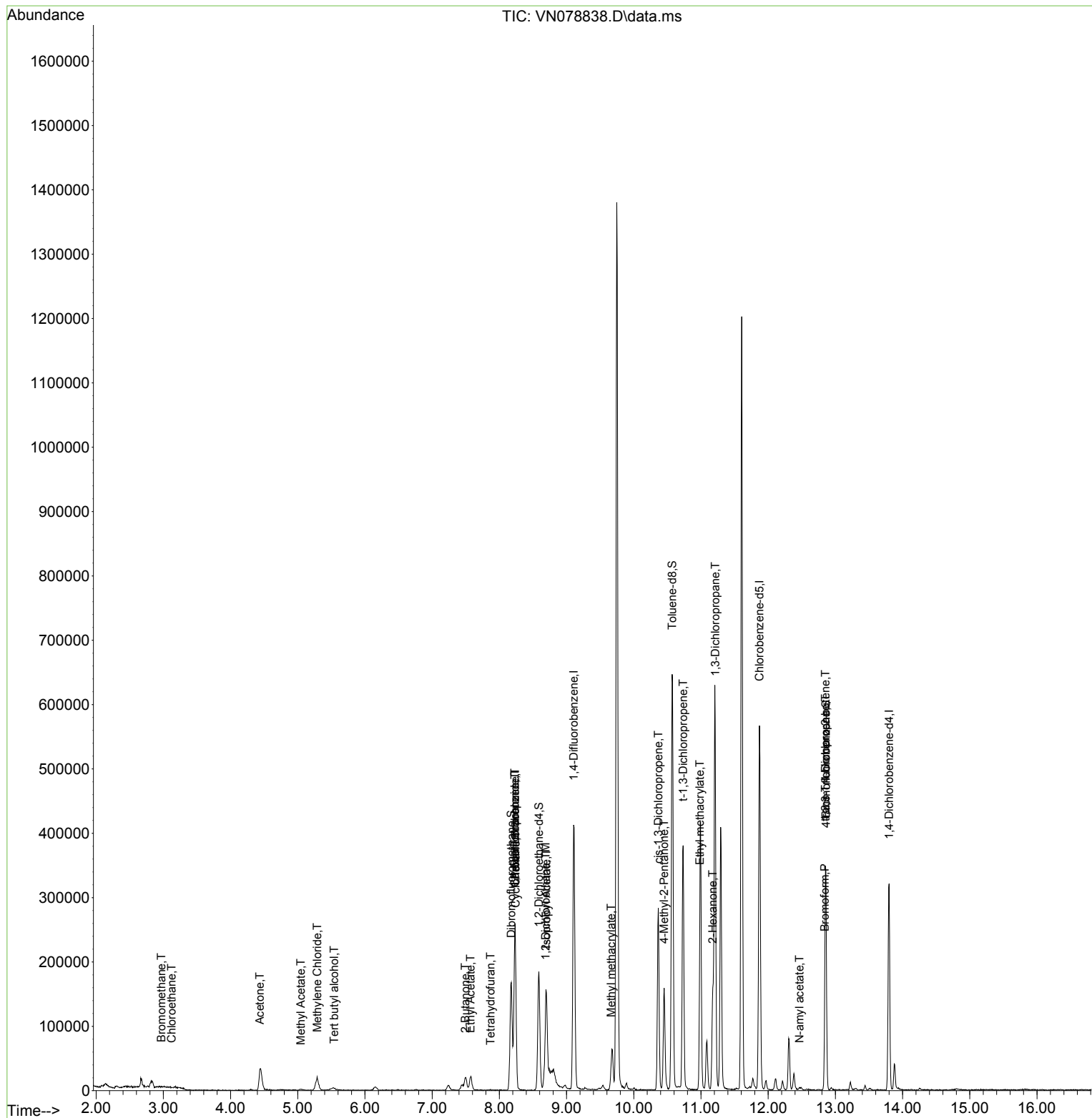
Internal Standards						
1) Pentafluorobenzene	8.235	168	176793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	314921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	82647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	141576	53.417	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.840%			
35) Dibromofluoromethane	8.177	113	115112	50.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.140%			
50) Toluene-d8	10.571	98	436514	51.599	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.200%			
62) 4-Bromofluorobenzene	12.859	95	113507	44.895	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.780%			
Target Compounds					Qvalue	
5) Bromomethane	2.971	94	442	0.217	ug/l	97
6) Chloroethane	3.124	64	484	0.256	ug/l #	43
11) Tert butyl alcohol	5.541	59	5028	10.809	ug/l #	72
16) Acetone	4.436	43	67141	65.840	ug/l #	83
18) Methyl Acetate	5.047	43	3149	0.688	ug/l #	62
20) Methylene Chloride	5.289	84	13628	5.396	ug/l #	91
25) 2-Butanone	7.494	43	32767	18.975	ug/l #	80
29) Tetrahydrofuran	7.871	42	541	0.468	ug/l #	20
31) Cyclohexane	8.241	56	5117	1.314	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	16589	4.651	ug/l #	43
37) Ethyl Acetate	7.571	43	33098	8.728	ug/l	93
38) Carbon Tetrachloride	8.230	117	19722	5.364	ug/l #	14
42) 1,2-Dichloroethane	8.688	62	818	0.211	ug/l #	73
43) Isopropyl Acetate	8.700	43	197463	30.886	ug/l #	74
48) Methyl methacrylate	9.665	41	5111	1.730	ug/l #	27
51) 4-Methyl-2-Pentanone	10.453	43	111589	28.496	ug/l #	85
53) t-1,3-Dichloropropene	10.735	75	929	0.237	ug/l #	56
54) cis-1,3-Dichloropropene	10.365	75	47165	11.091	ug/l #	65
56) Ethyl methacrylate	10.982	69	1947	0.513	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	5968	1.311	ug/l #	42
59) 2-Hexanone	11.176	43	131780	47.525	ug/l #	19
71) Bromoform	12.841	173	409	0.211	ug/l #	1
74) N-amyl acetate	12.465	43	3864	1.047	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	64537	28.882	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64537	77.501	ug/l #	15

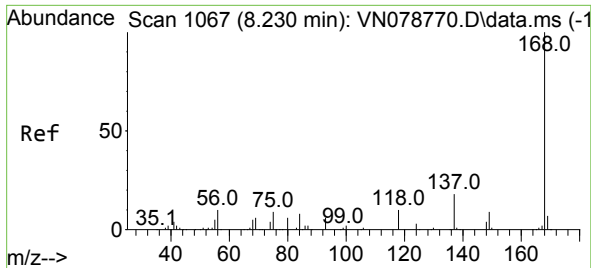
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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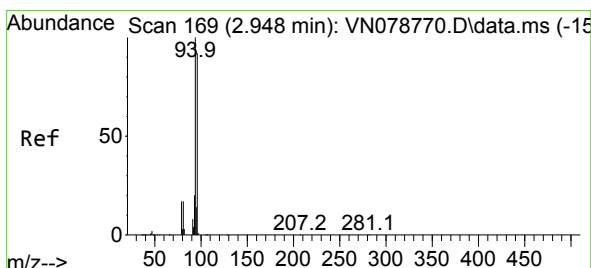
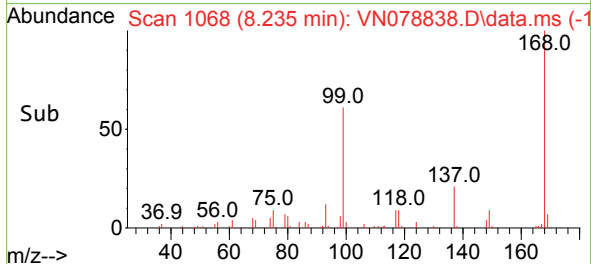
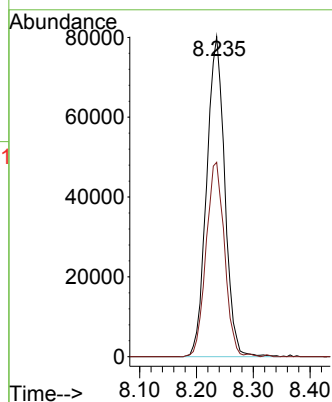
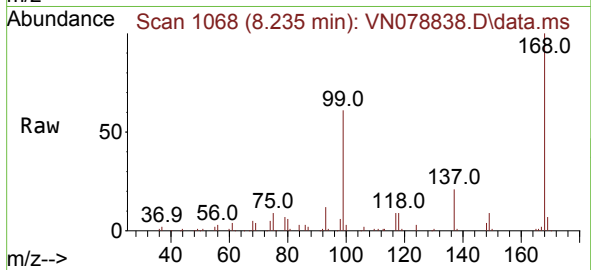




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

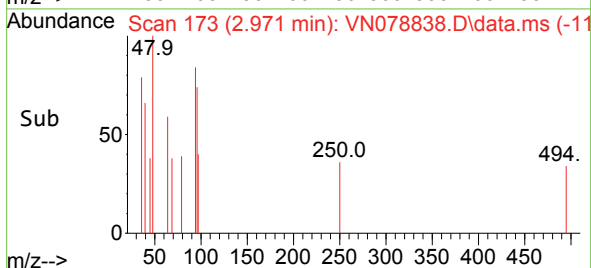
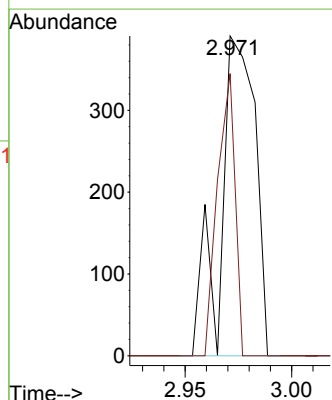
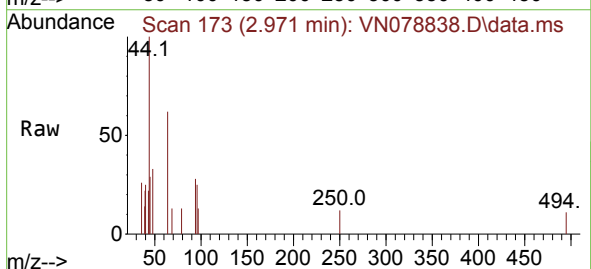
Instrument :
MSVOA_N
ClientSampleId :

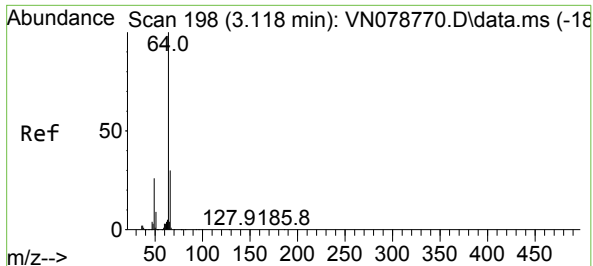
Tgt Ion:168 Resp: 176793
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.023 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Tgt Ion: 94 Resp: 442
Ion Ratio Lower Upper
94 100
96 88.2 73.1 109.7

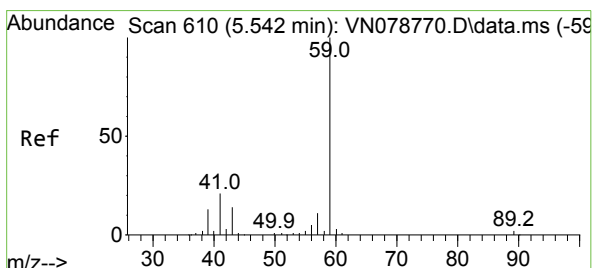
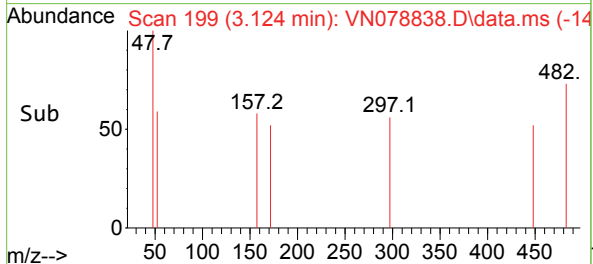
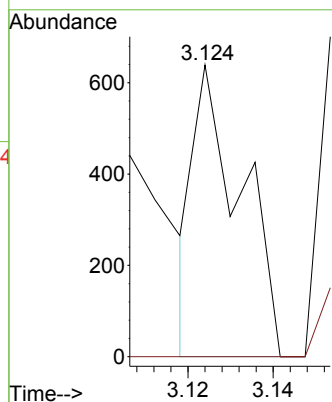
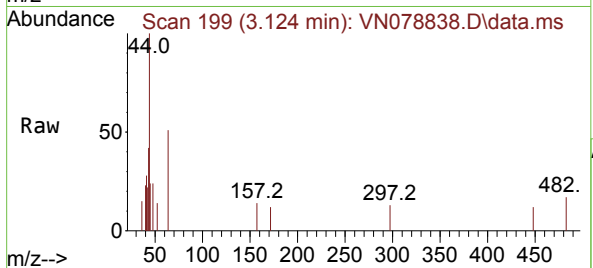




#6
Chloroethane
Concen: 0.256 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

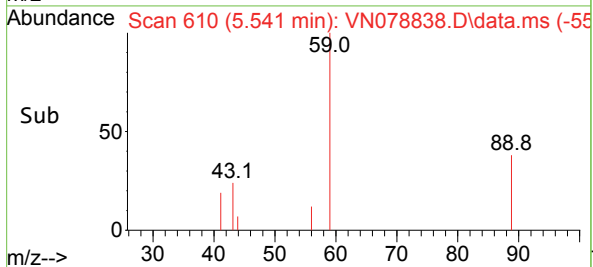
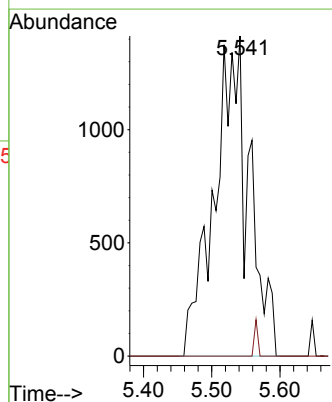
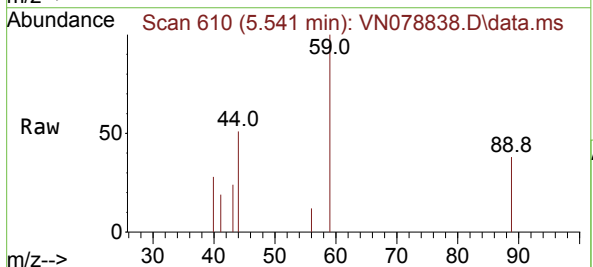
Instrument :
MSVOA_N
ClientSampleId :

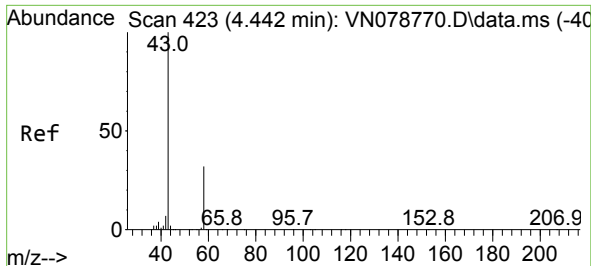
Tgt Ion: 64 Resp: 484
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 10.809 ug/l
RT: 5.541 min Scan# 610
Delta R.T. -0.001 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

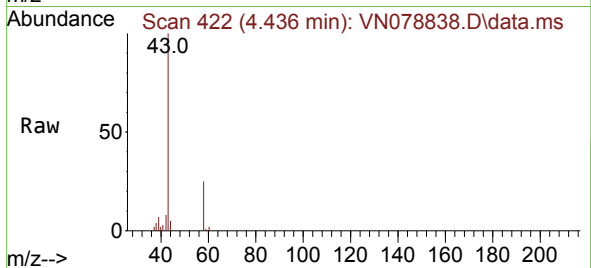
Tgt Ion: 59 Resp: 5028
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



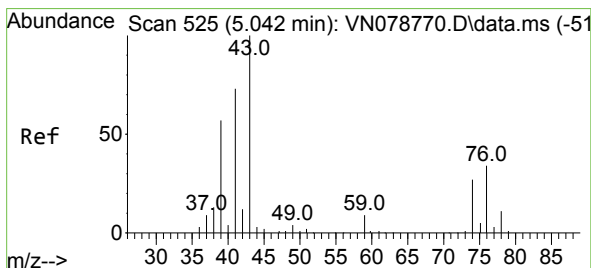
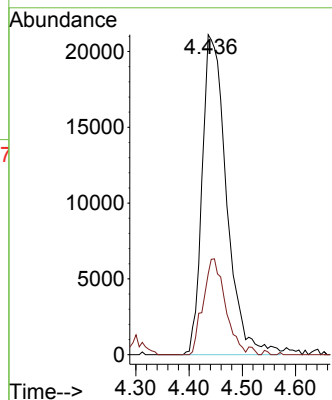
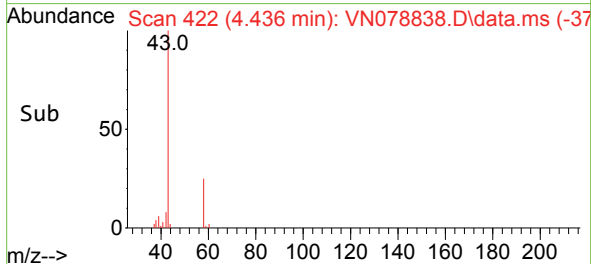


#16
Acetone
Concen: 65.840 ug/l
RT: 4.436 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Instrument :
MSVOA_N
ClientSampleId :

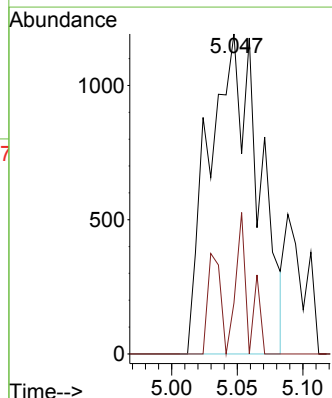
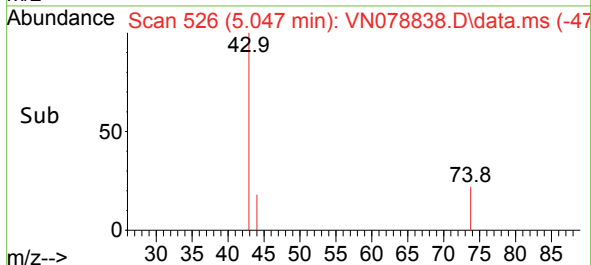
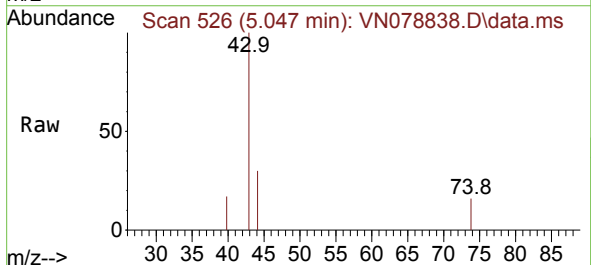


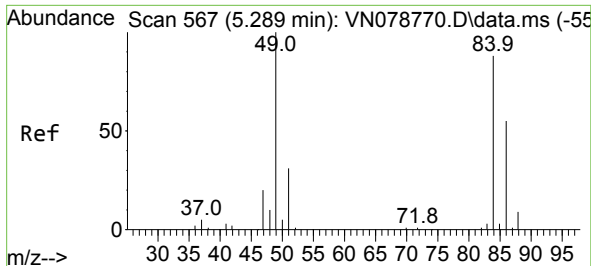
Tgt Ion: 43 Resp: 67141
Ion Ratio Lower Upper
43 100
58 25.3 28.0 42.0#



#18
Methyl Acetate
Concen: 0.688 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

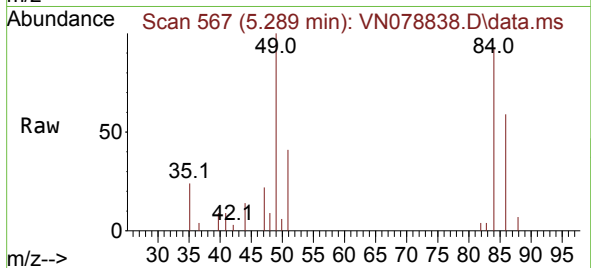
Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
74 11.3 26.2 39.4#



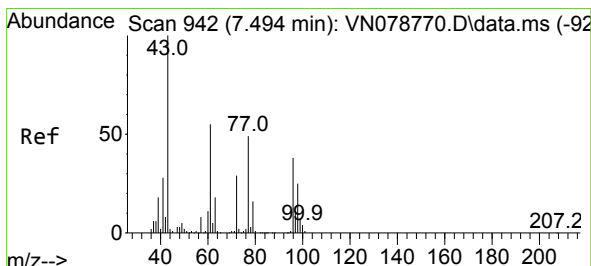
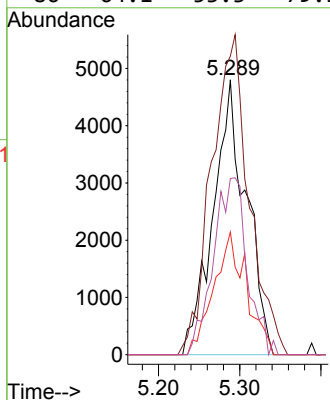
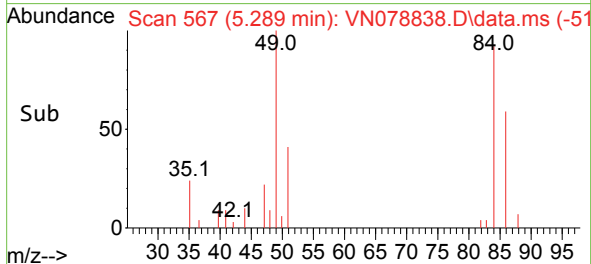


#20
Methylene Chloride
Concen: 5.396 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Instrument :
MSVOA_N
ClientSampleId :

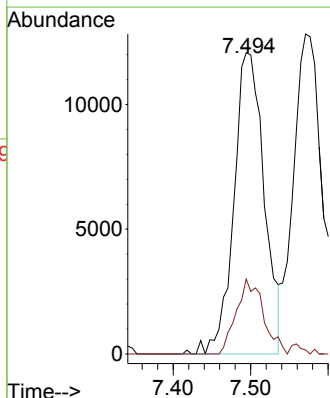
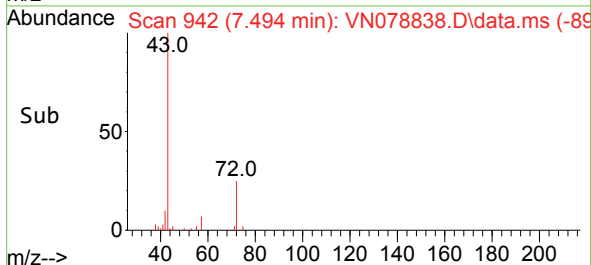
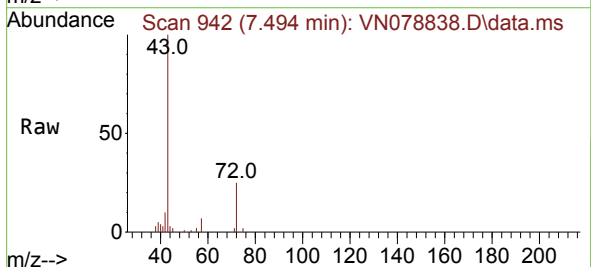


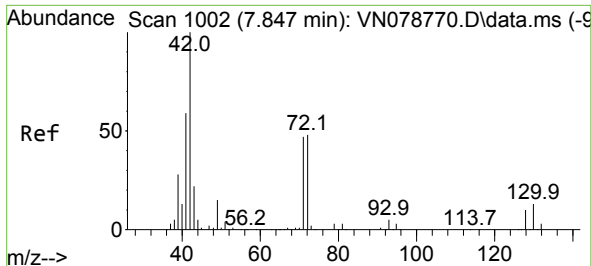
Tgt Ion:	84	Resp:	13628
Ion	Ratio	Lower	Upper
84	100		
49	108.6	79.7	119.5
51	44.6	25.2	37.8#
86	64.1	53.3	79.9



#25
2-Butanone
Concen: 18.975 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Tgt Ion:	43	Resp:	32767
Ion	Ratio	Lower	Upper
43	100		
72	25.6	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.468 ug/l

RT: 7.871 min Scan# 1006

Delta R.T. 0.024 min

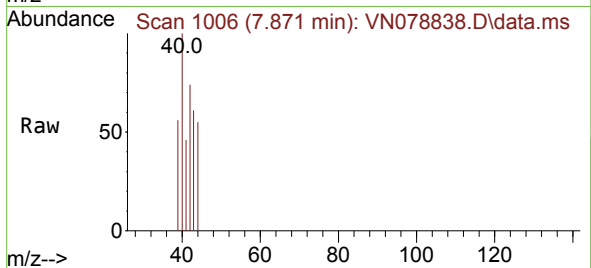
Lab File: VN078838.D

Acq: 10 Aug 2023 15:32

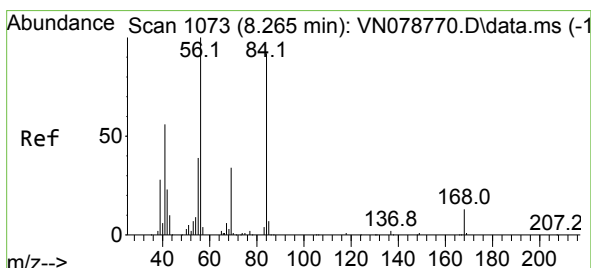
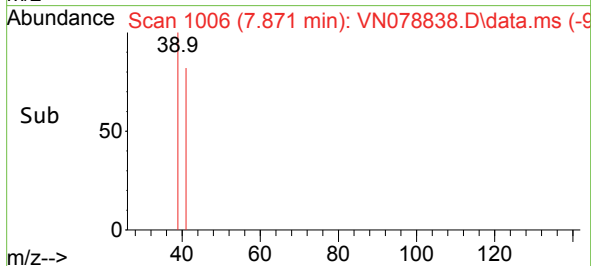
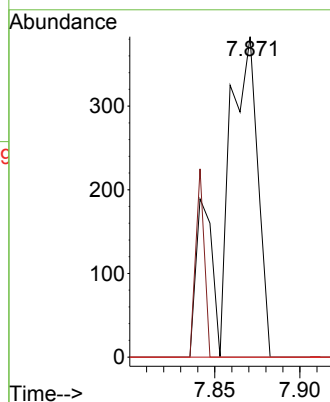
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	541
Ion Ratio	Lower	Upper	
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.314 ug/l

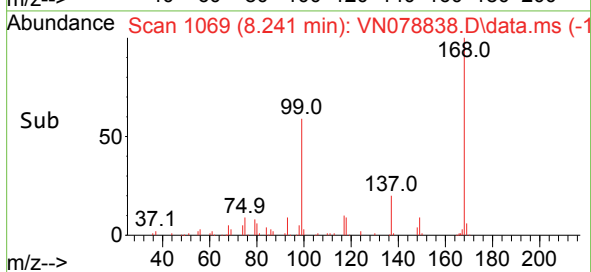
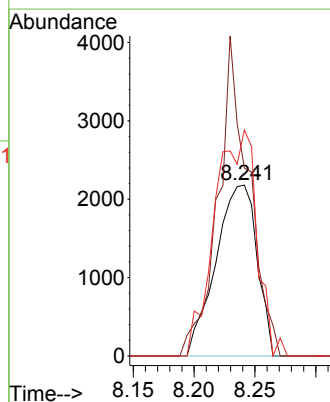
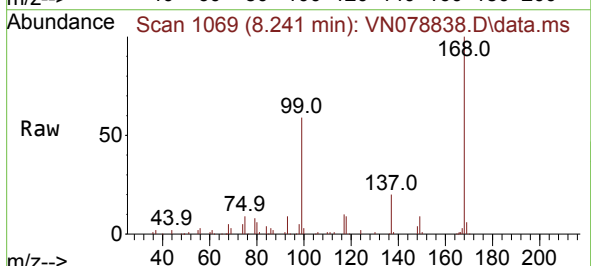
RT: 8.241 min Scan# 1069

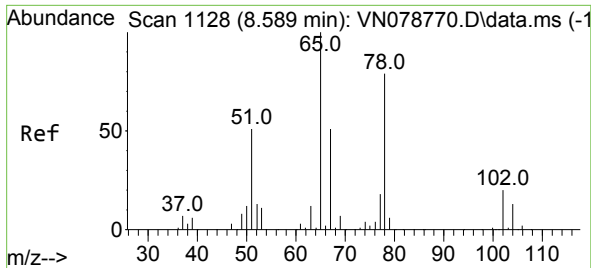
Delta R.T. -0.024 min

Lab File: VN078838.D

Acq: 10 Aug 2023 15:32

Tgt Ion:	56	Resp:	5117
Ion Ratio	Lower	Upper	
56	100		
69	109.9	26.8	40.2#
84	132.3	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.417 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078838.D

Acq: 10 Aug 2023 15:32

Instrument :

MSVOA_N

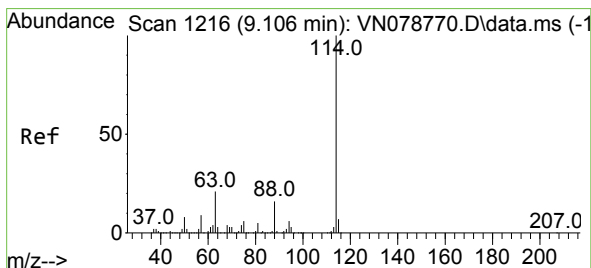
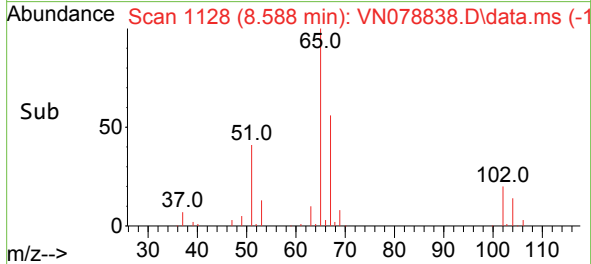
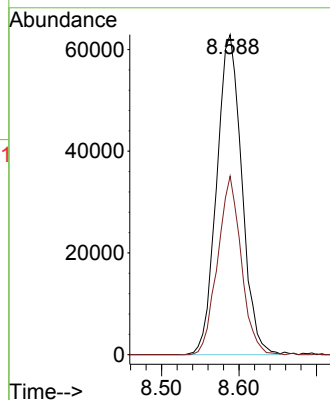
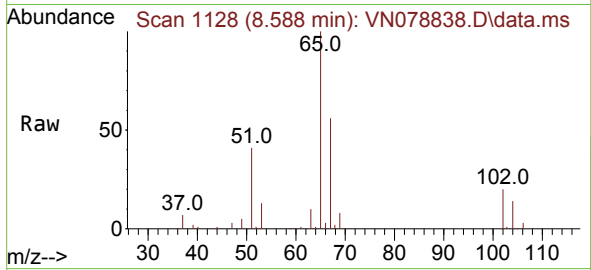
ClientSampleId :

Tgt Ion: 65 Resp: 141576

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078838.D

Acq: 10 Aug 2023 15:32

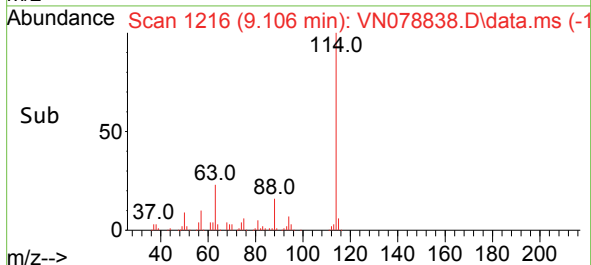
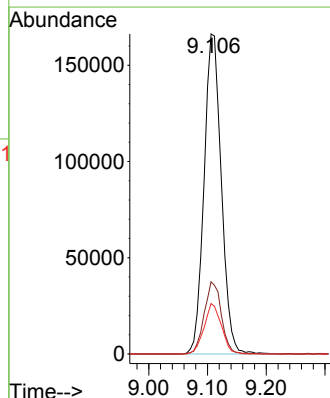
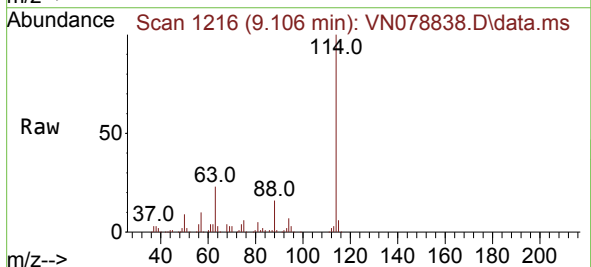
Tgt Ion: 114 Resp: 340414

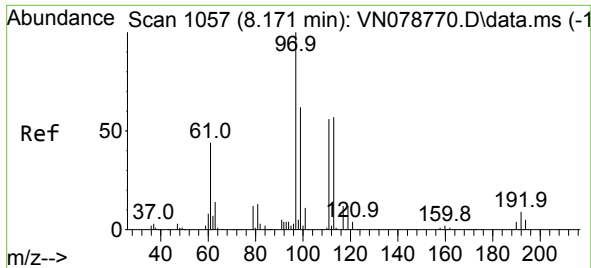
Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 15.8 0.0 30.6

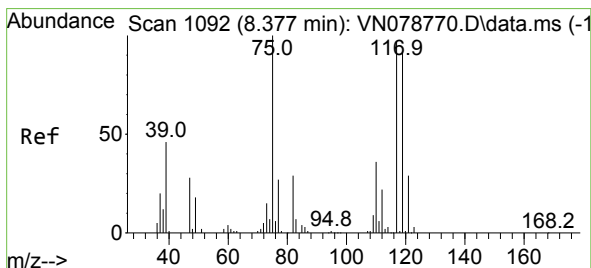
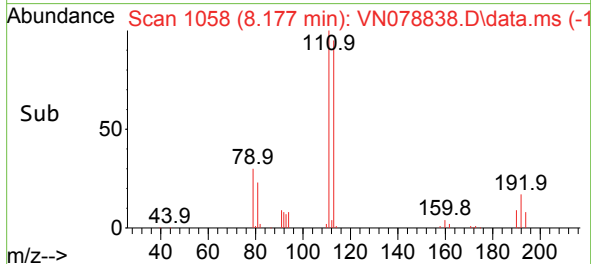
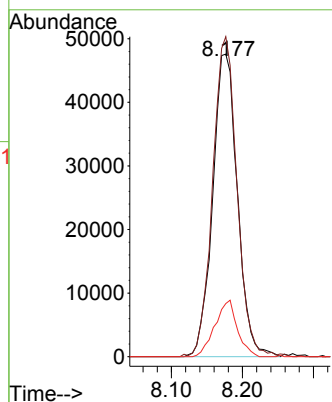
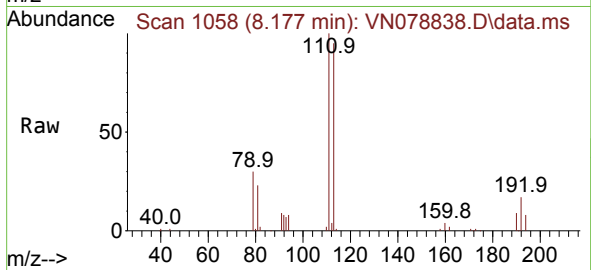




#35
Dibromofluoromethane
Concen: 50.074 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

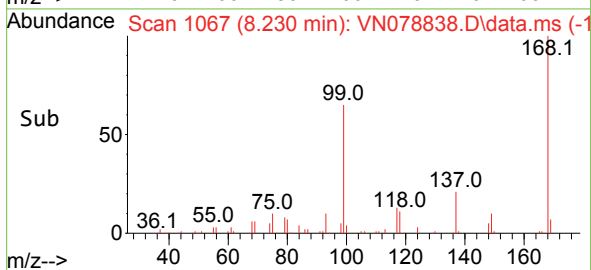
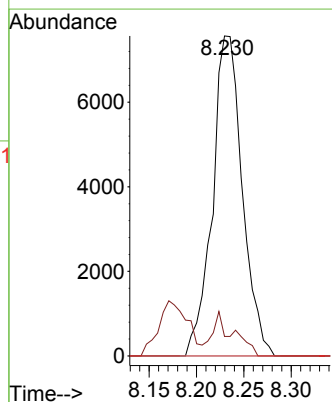
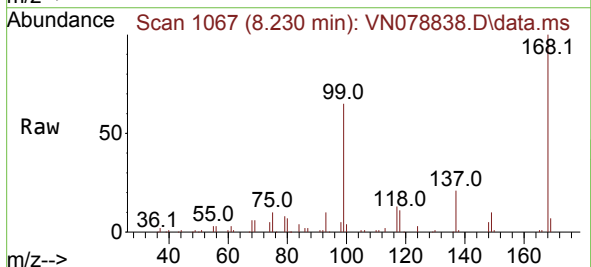
Instrument :
MSVOA_N
ClientSampleId :

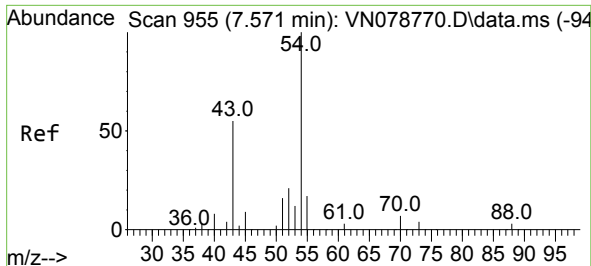
Tgt Ion:113 Resp: 115112
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

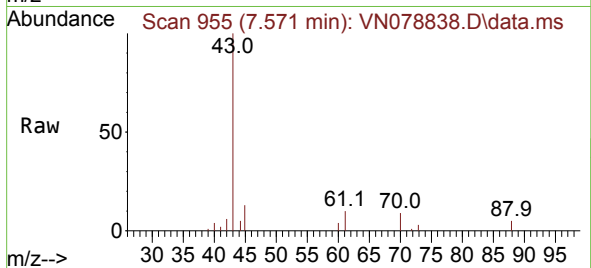
Tgt Ion: 75 Resp: 16589
Ion Ratio Lower Upper
75 100
110 3.4 19.1 57.3#
77 0.0 25.0 37.4#



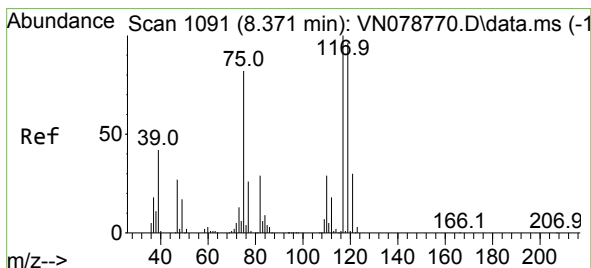
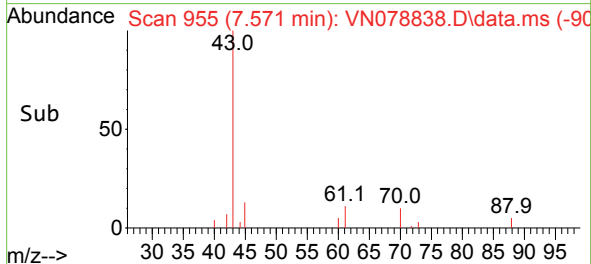
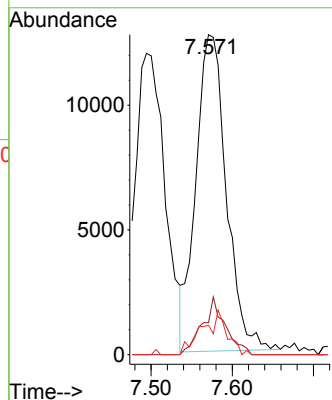


#37
Ethyl Acetate
Concen: 8.728 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Instrument :
MSVOA_N
ClientSampleId :

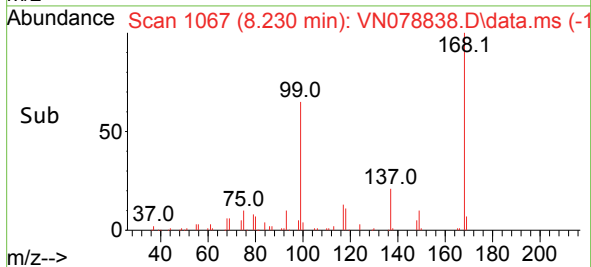
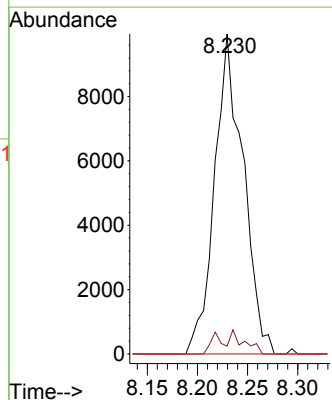
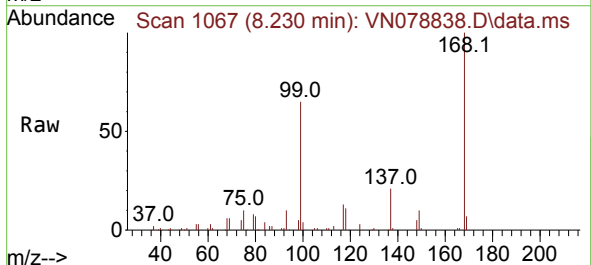


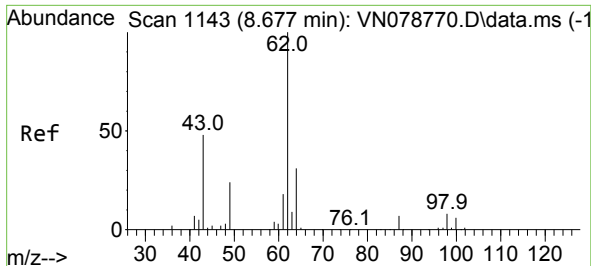
Tgt Ion:	43	Resp:	33098
Ion	Ratio	Lower	Upper
43	100		
61	13.7	13.2	19.8
70	11.4	11.3	16.9



#38
Carbon Tetrachloride
Concen: 5.364 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Tgt Ion:	117	Resp:	19722
Ion	Ratio	Lower	Upper
117	100		
119	2.5	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.211 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN078838.D

Acq: 10 Aug 2023 15:32

Instrument :

MSVOA_N

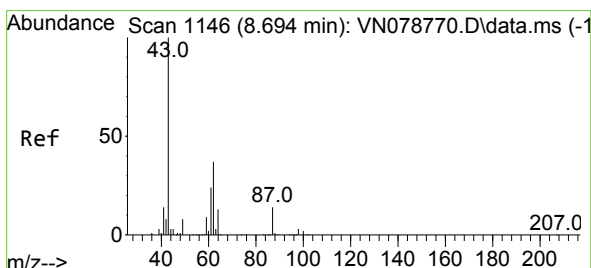
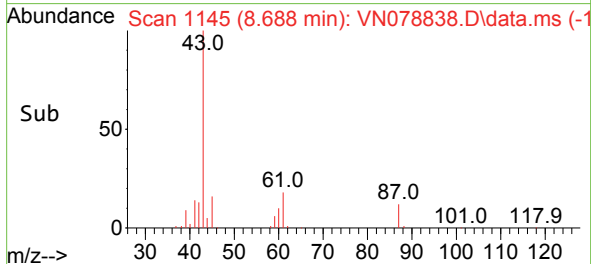
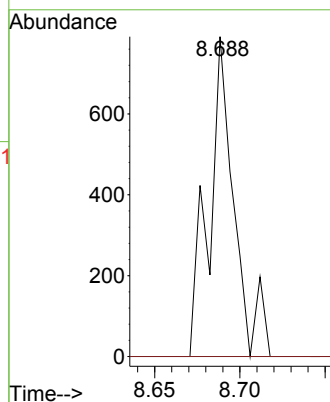
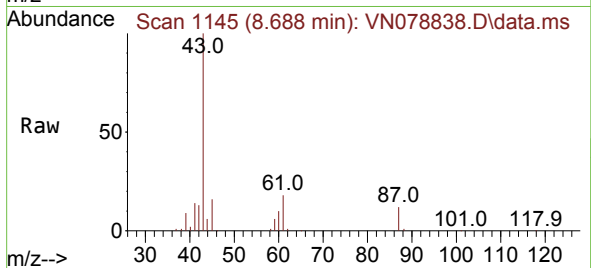
ClientSampleId :

Tgt Ion: 62 Resp: 818

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 30.886 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078838.D

Acq: 10 Aug 2023 15:32

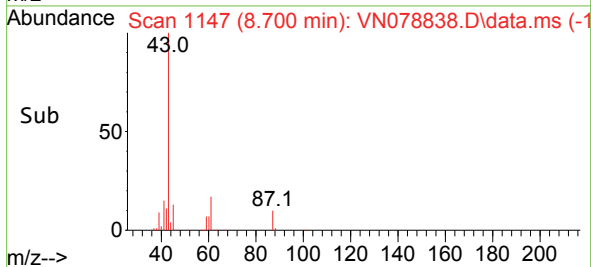
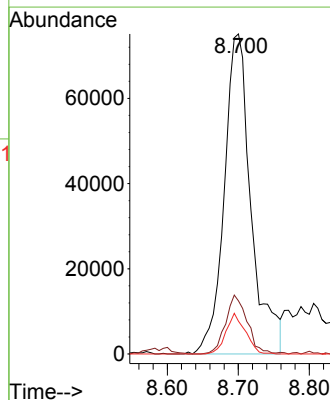
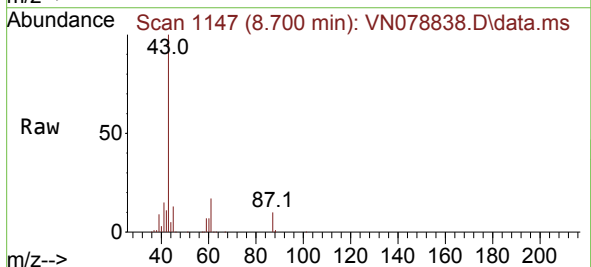
Tgt Ion: 43 Resp: 197463

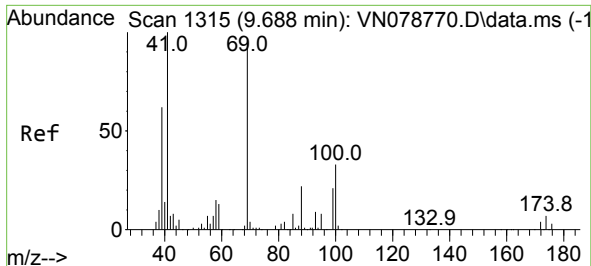
Ion Ratio Lower Upper

43 100

61 14.8 24.7 37.1#

87 9.1 14.6 21.8#

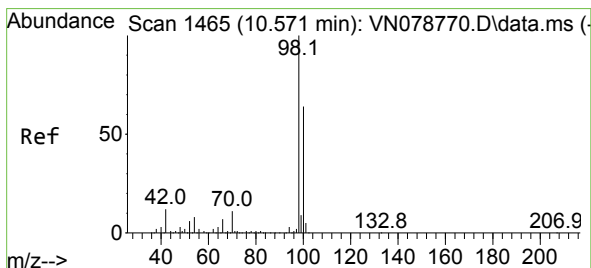
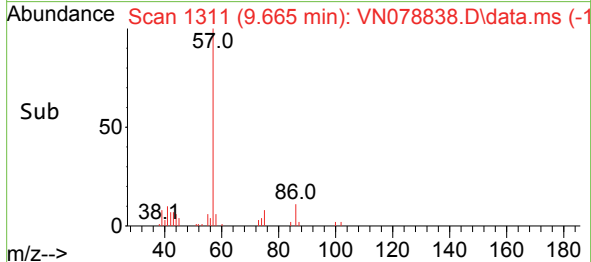
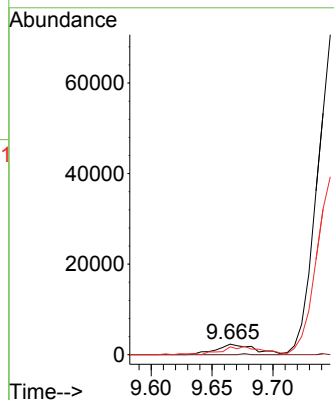
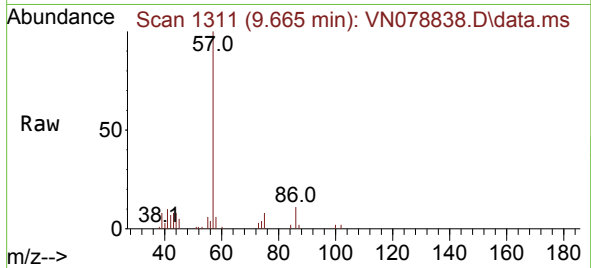




#48
Methyl methacrylate
Concen: 1.730 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

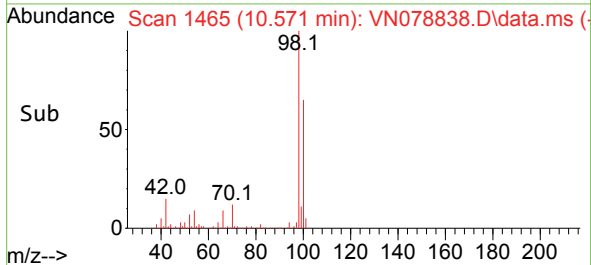
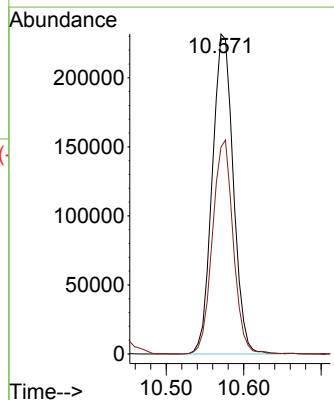
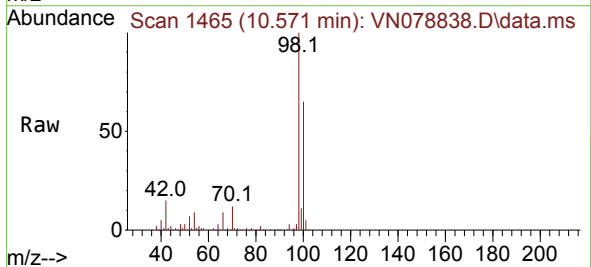
Instrument :
MSVOA_N
ClientSampleId :

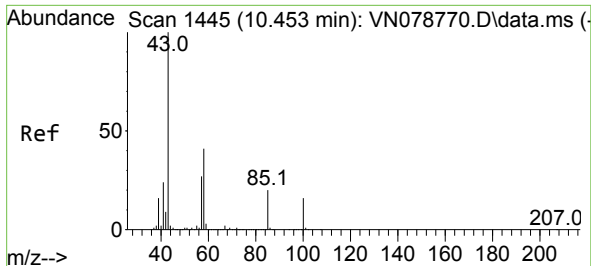
Tgt Ion: 41 Resp: 5111
Ion Ratio Lower Upper
41 100
69 1.6 90.4 135.6#
39 85.2 54.6 81.8#



#50
Toluene-d8
Concen: 51.599 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Tgt Ion: 98 Resp: 436514
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0

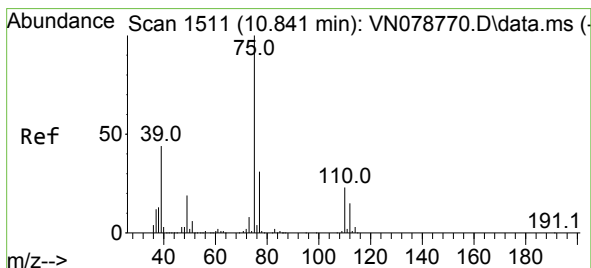
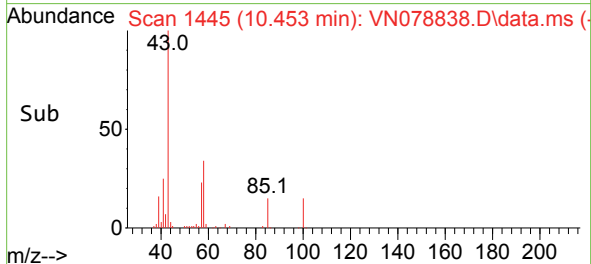
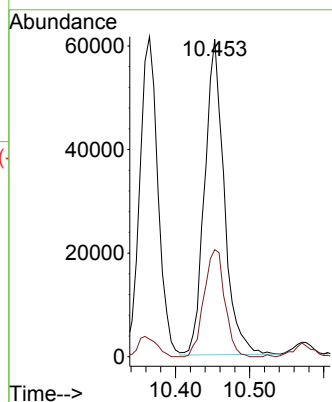
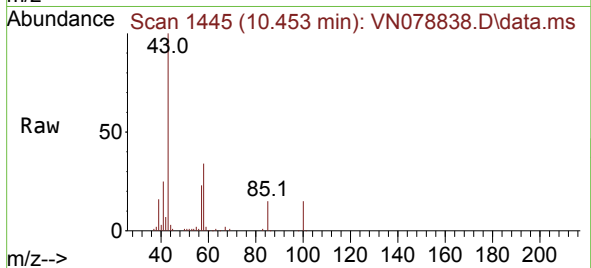




#51
4-Methyl-2-Pentanone
Concen: 28.496 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

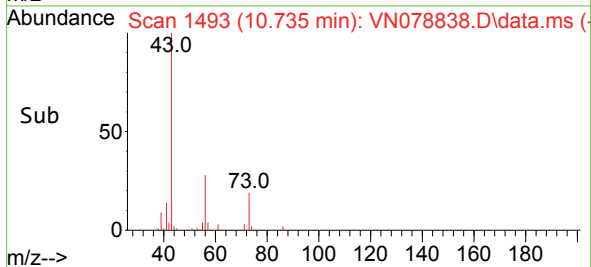
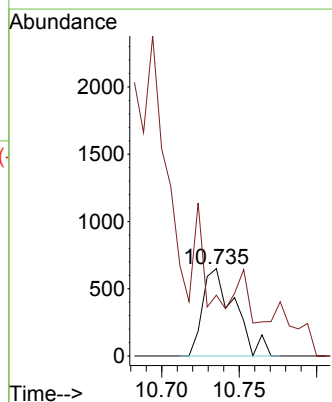
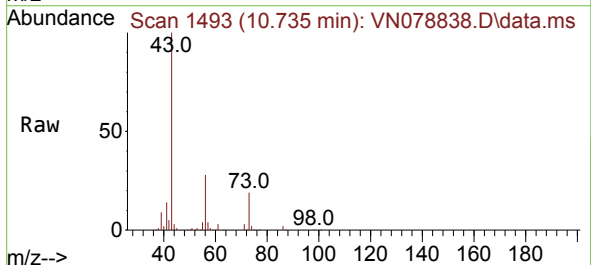
Instrument :
MSVOA_N
ClientSampleId :

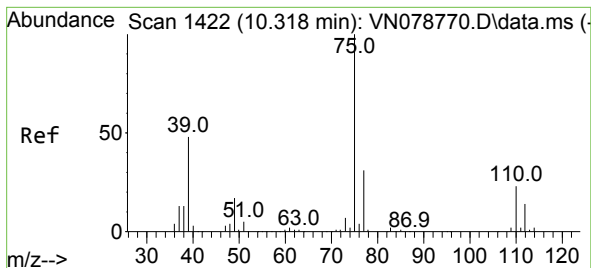
Tgt Ion: 43 Resp: 111589
Ion Ratio Lower Upper
43 100
58 36.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.237 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Tgt Ion: 75 Resp: 929
Ion Ratio Lower Upper
75 100
77 7.4 25.4 38.0#

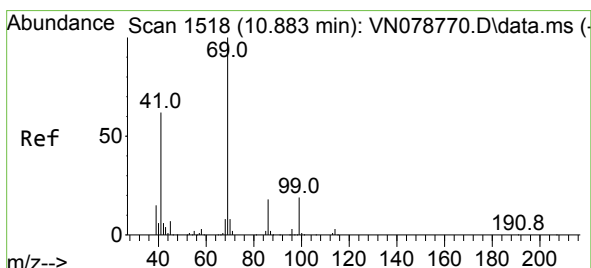
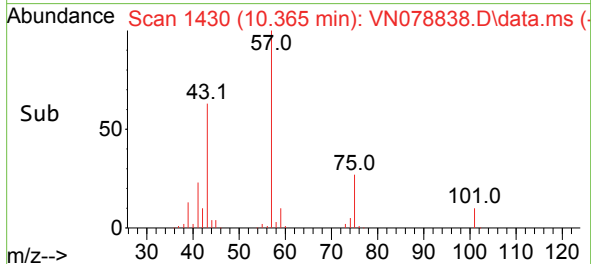
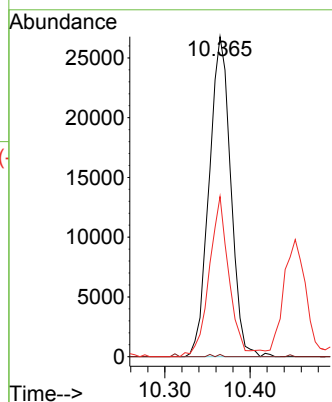
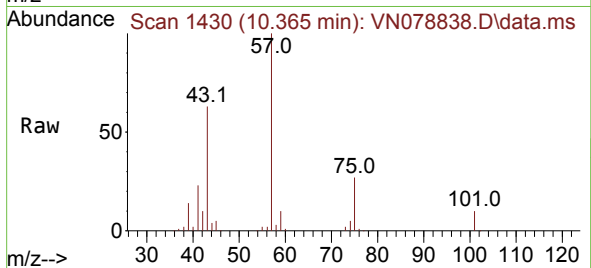




#54
 cis-1,3-Dichloropropene
 Concen: 11.091 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078838.D
 Acq: 10 Aug 2023 15:32

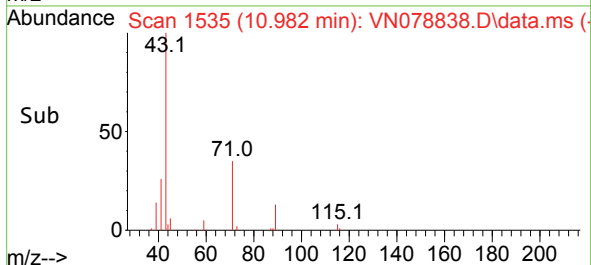
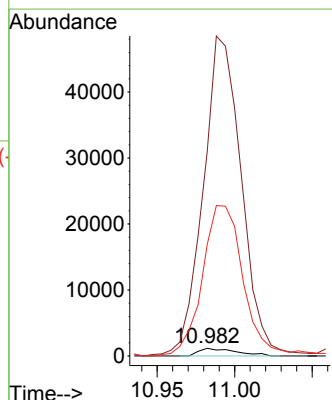
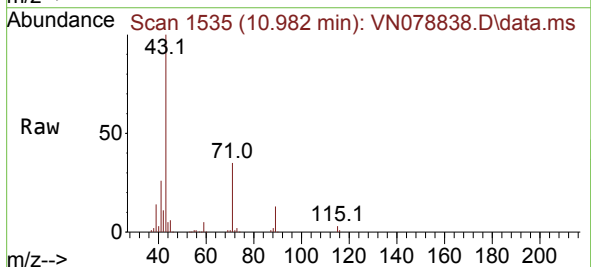
Instrument :
 MSVOA_N
 ClientSampleId :

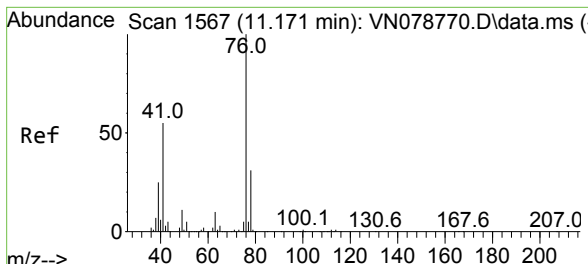
Tgt Ion: 75 Resp: 47165
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 50.1 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.513 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.100 min
 Lab File: VN078838.D
 Acq: 10 Aug 2023 15:32

Tgt Ion: 69 Resp: 1947
 Ion Ratio Lower Upper
 69 100
 41 4285.2 39.6 59.4#
 39 2155.7 28.6 43.0#

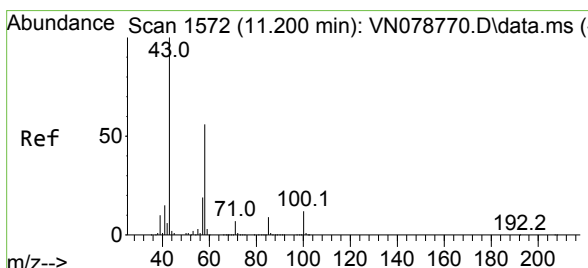
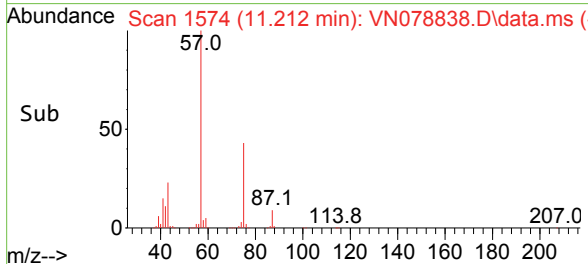
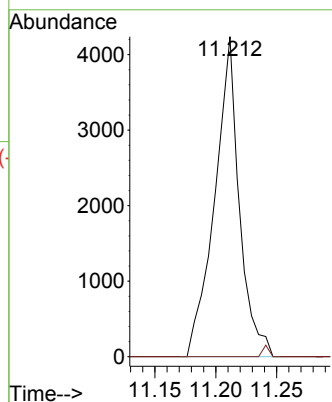
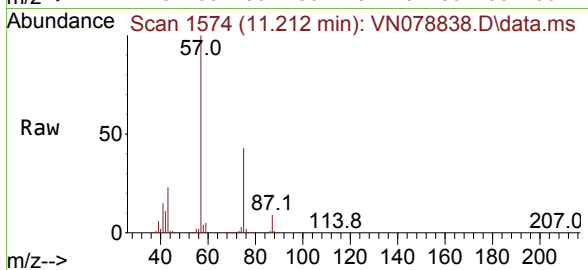




#57
1,3-Dichloropropane
Concen: 1.311 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

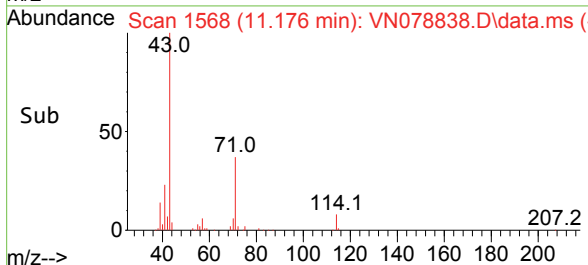
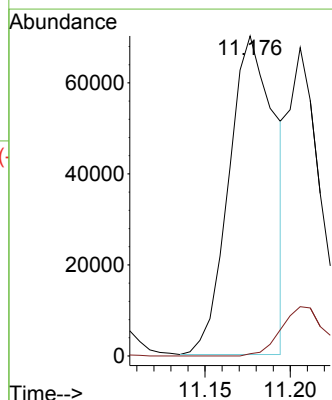
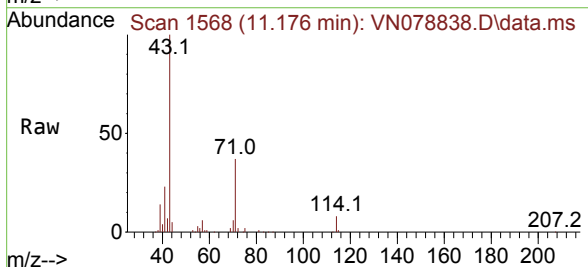
Instrument :
MSVOA_N
ClientSampleId :

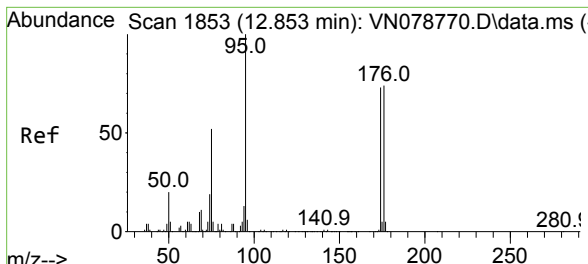
Tgt Ion: 76 Resp: 5968
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 47.525 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Tgt Ion: 43 Resp: 131780
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

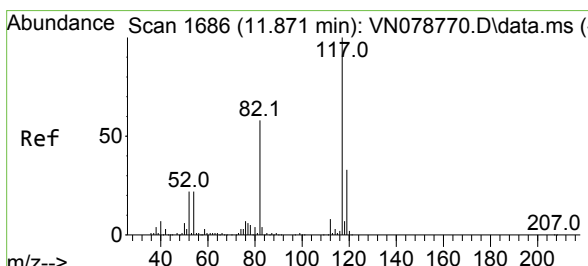
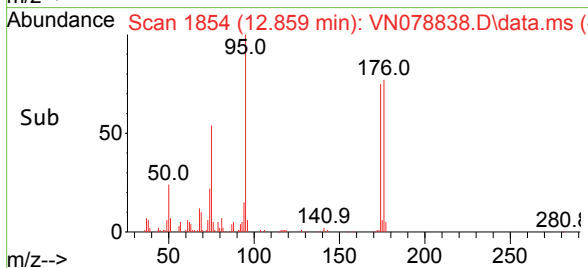
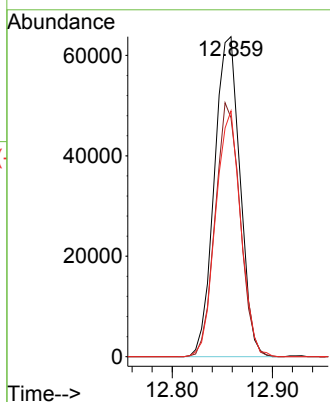
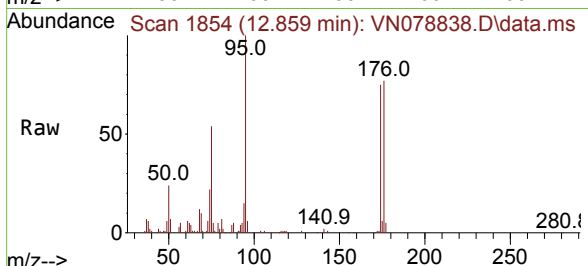




#62
4-Bromofluorobenzene
Concen: 44.895 ug/l
RT: 12.859 min Scan# 113507
Delta R.T. 0.006 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

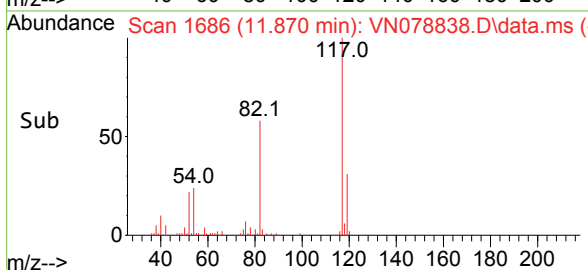
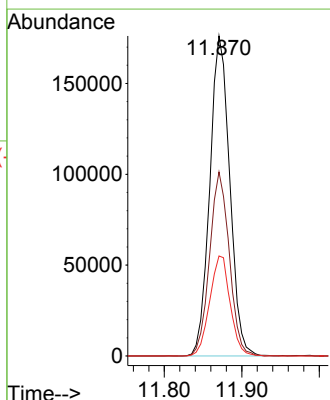
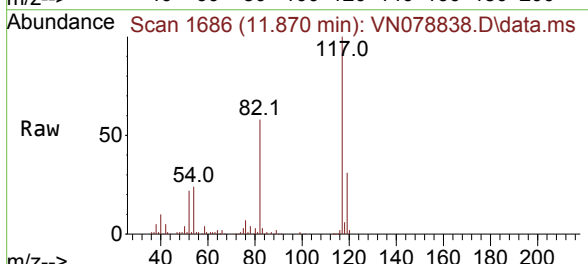
Instrument :
MSVOA_N
ClientSampleId :

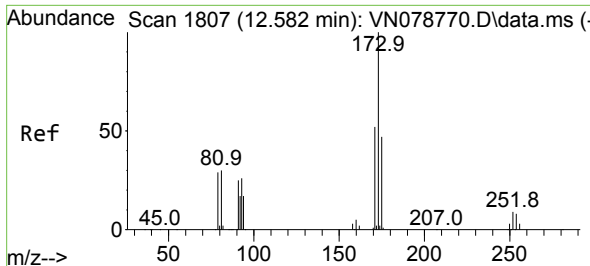
Tgt Ion:	95	Resp:	113507
Ion Ratio	Lower	Upper	
95	100		
174	76.9	0.0	143.8
176	75.3	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

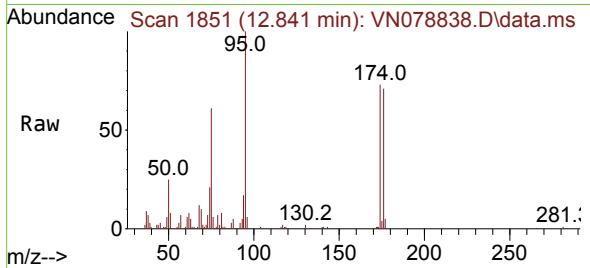
Tgt Ion:	117	Resp:	314921
Ion Ratio	Lower	Upper	
117	100		
82	57.5	44.0	66.0
119	31.3	25.6	38.4



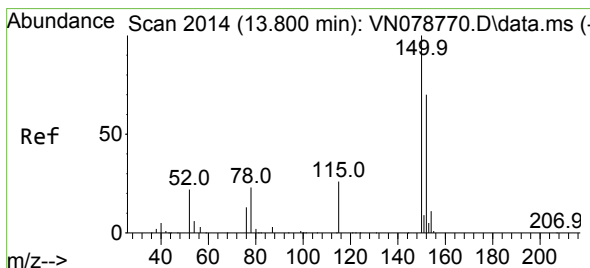
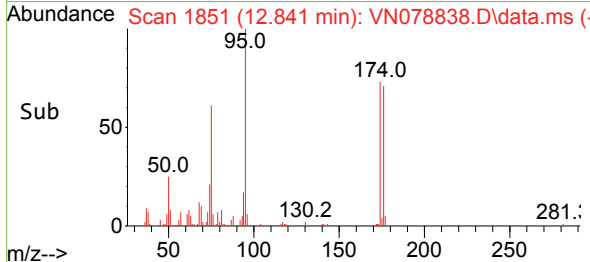
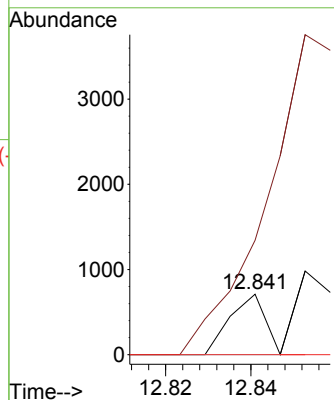


#71
Bromoform
Concen: 0.211 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Instrument :
MSVOA_N
ClientSampleId :

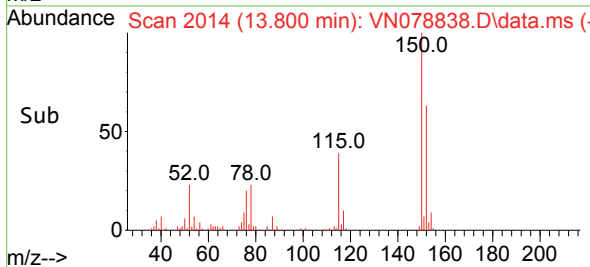
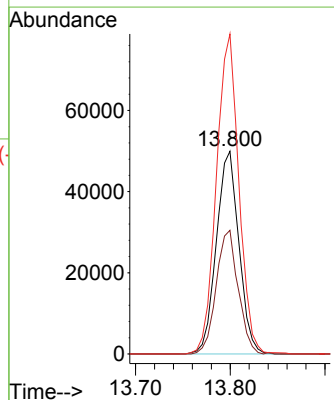
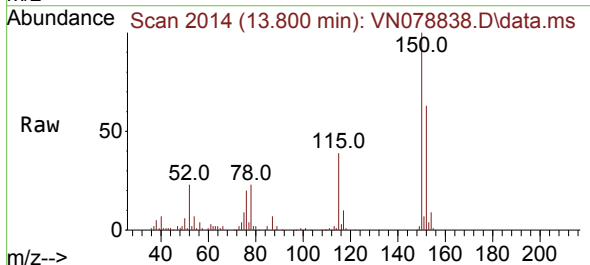


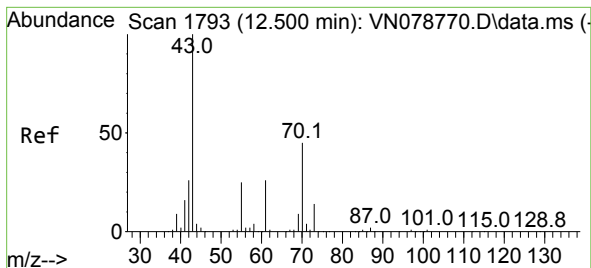
Tgt Ion:173 Resp: 409
Ion Ratio Lower Upper
173 100
175 1050.6 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078838.D
Acq: 10 Aug 2023 15:32

Tgt Ion:152 Resp: 82647
Ion Ratio Lower Upper
152 100
115 59.5 32.3 96.8
150 157.0 0.0 355.8





#74

N-amy1 acetate

Concen: 1.047 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.036 min

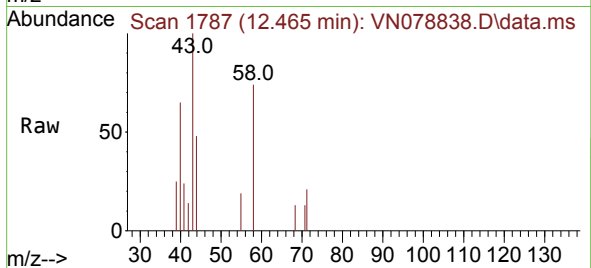
Lab File: VN078838.D

Acq: 10 Aug 2023 15:32

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 3864

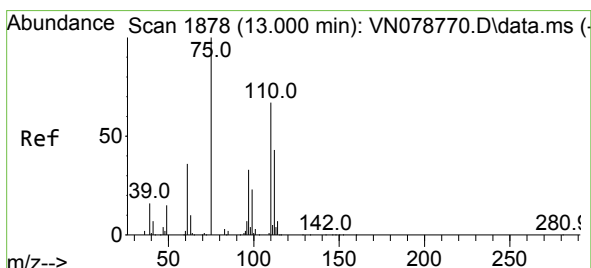
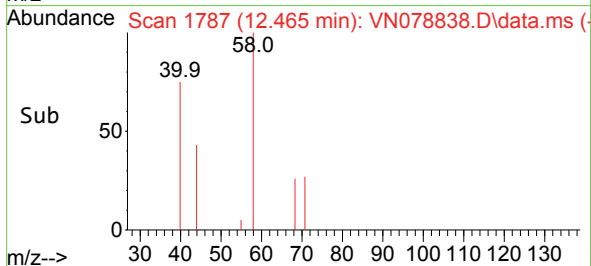
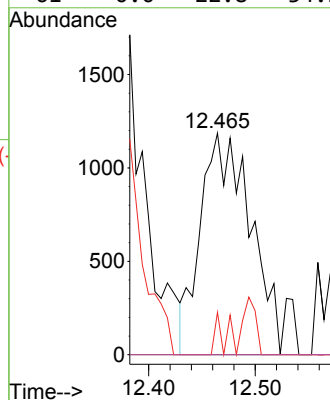
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 2.1 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 28.882 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078838.D

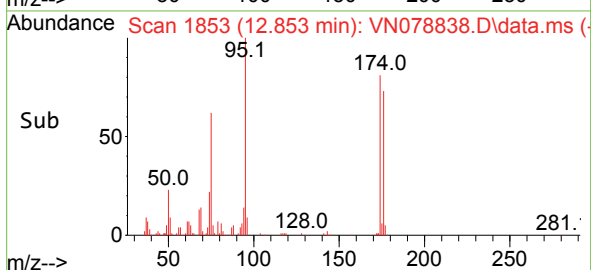
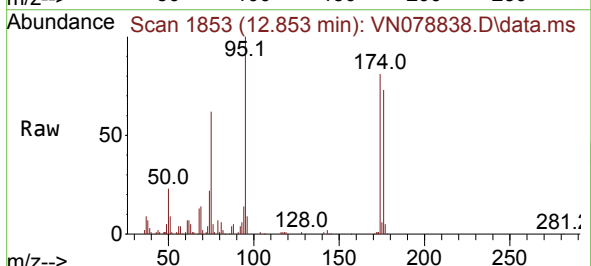
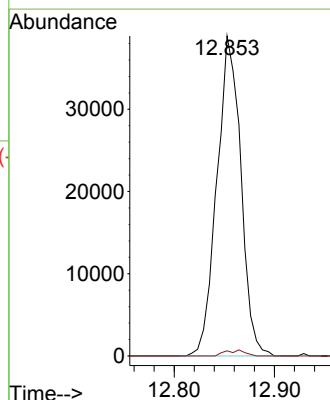
Acq: 10 Aug 2023 15:32

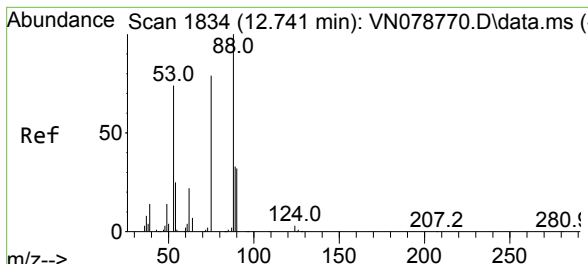
Tgt Ion: 75 Resp: 64537

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.501 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078838.D
 Acq: 10 Aug 2023 15:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 64537

Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#

