

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078994.D
 Acq On : 22 Aug 2023 15:11
 Operator : JC\MD
 Sample : PB154968ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:03:28 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)

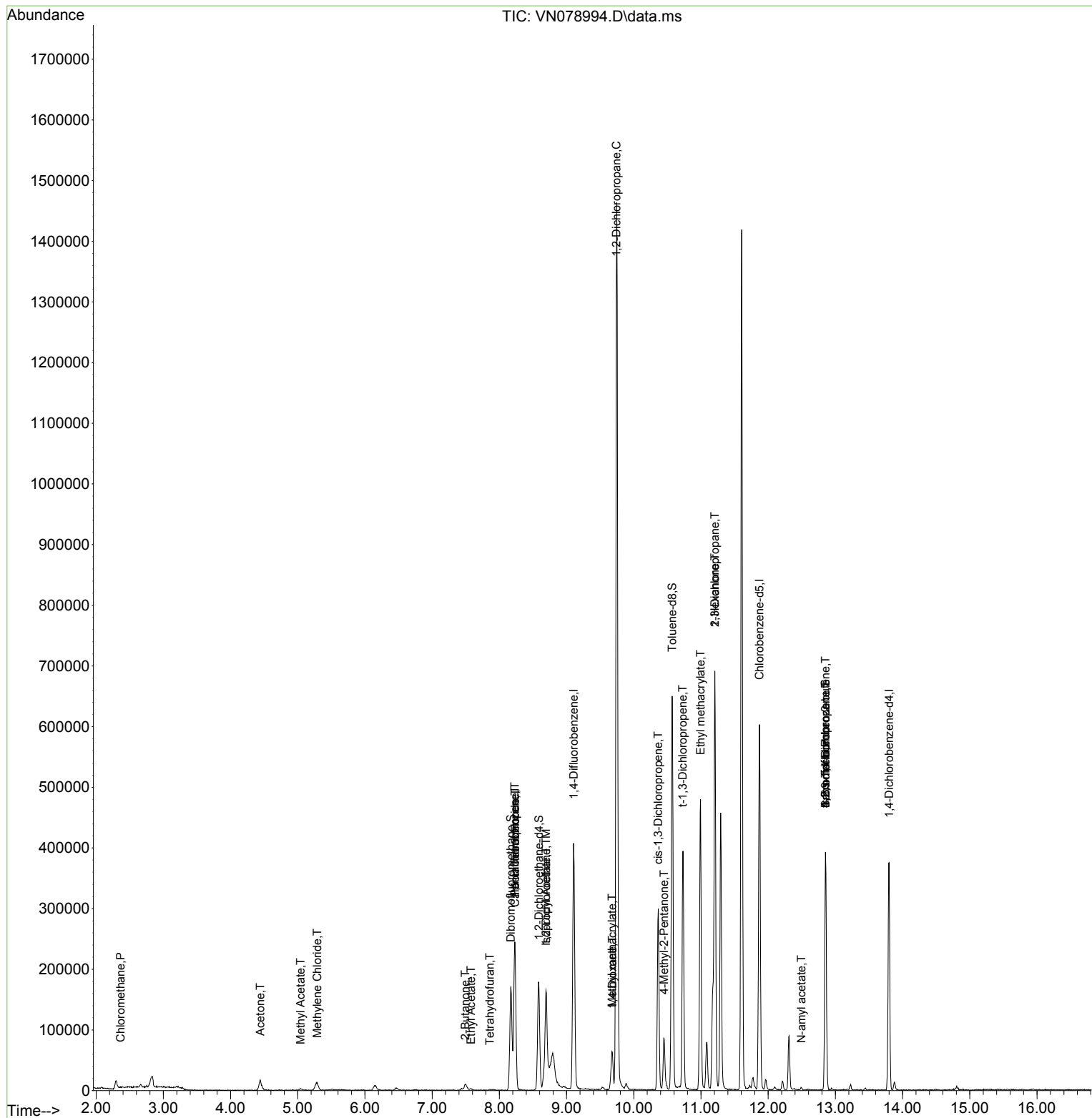
Internal Standards						
1) Pentafluorobenzene	8.229	168	170968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	331071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	96287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	142713	53.643	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.280%			
35) Dibromofluoromethane	8.171	113	116687	51.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%			
50) Toluene-d8	10.570	98	436572	51.408	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.853	95	129376	46.609	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.220%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	962	0.290	ug/l	94
16) Acetone	4.441	43	30420	27.712	ug/l #	84
18) Methyl Acetate	5.041	43	4626	0.998	ug/l #	76
20) Methylene Chloride	5.288	84	9944	4.251	ug/l #	87
25) 2-Butanone	7.494	43	17403	9.888	ug/l #	81
29) Tetrahydrofuran	7.859	42	534	0.458	ug/l #	20
31) Cyclohexane	8.241	56	4578	Below Cal	#	50
36) 1,1-Dichloropropene	8.229	75	15878	4.615	ug/l #	50
37) Ethyl Acetate	7.577	43	3146	0.817	ug/l #	89
38) Carbon Tetrachloride	8.235	117	18533	5.376	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1035	0.272	ug/l #	73
43) Isopropyl Acetate	8.694	43	213201	31.336	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1688	0.623	ug/l #	45
48) Methyl methacrylate	9.676	41	4741	1.538	ug/l #	30
49) 1,4-Dioxane	9.682	88	58	1.104	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	66227	16.412	ug/l #	80
53) t-1,3-Dichloropropene	10.729	75	937	0.238	ug/l #	67
54) cis-1,3-Dichloropropene	10.365	75	47501	11.091	ug/l #	71
56) Ethyl methacrylate	10.994	69	2141	0.552	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6998	1.563	ug/l #	42
59) 2-Hexanone	11.206	43	91163	31.191	ug/l #	44
71) Bromoform	12.853	173	1137	0.587	ug/l #	1
74) N-amyl acetate	12.494	43	1840	0.454	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	71992	31.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	71992	79.269	ug/l #	15

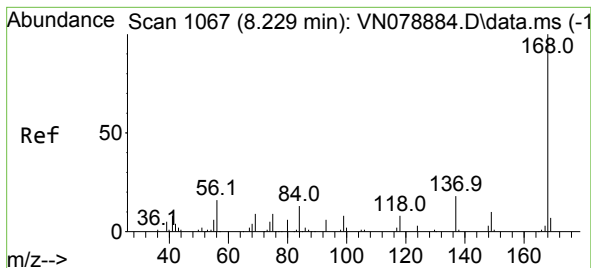
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.001 min

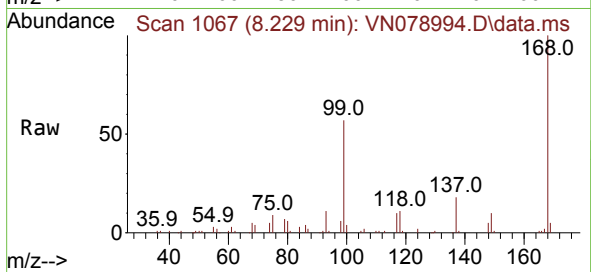
Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

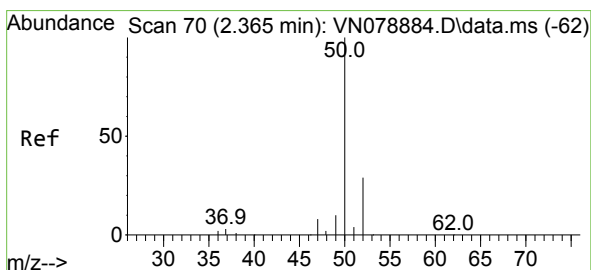
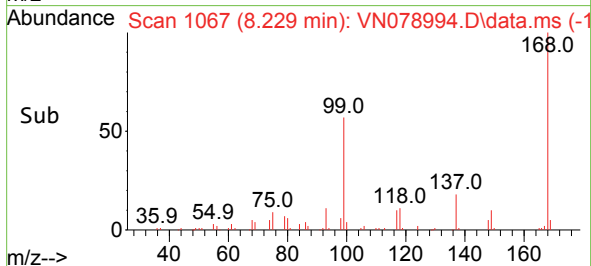
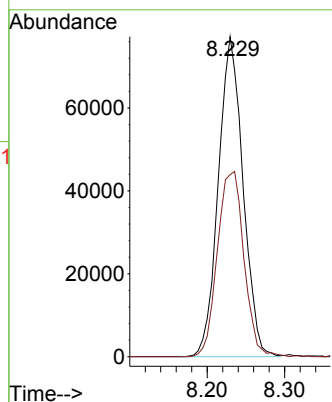


Tgt Ion:168 Resp: 170968

Ion Ratio Lower Upper

168 100

99 56.9 53.0 79.6



#3

Chloromethane

Concen: 0.290 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN078994.D

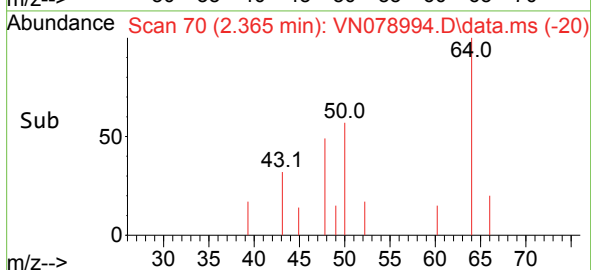
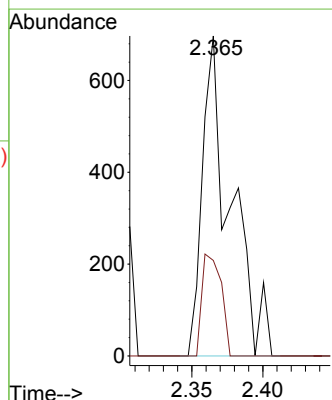
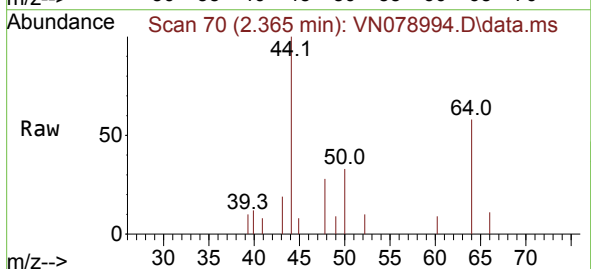
Acq: 22 Aug 2023 15:11

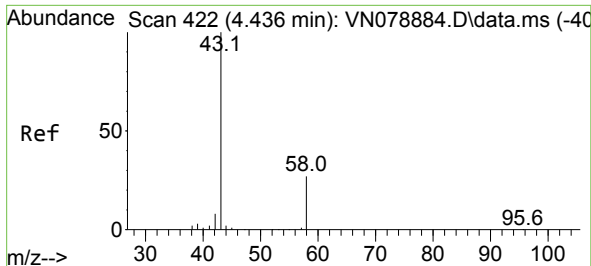
Tgt Ion: 50 Resp: 962

Ion Ratio Lower Upper

50 100

52 29.8 26.5 39.7

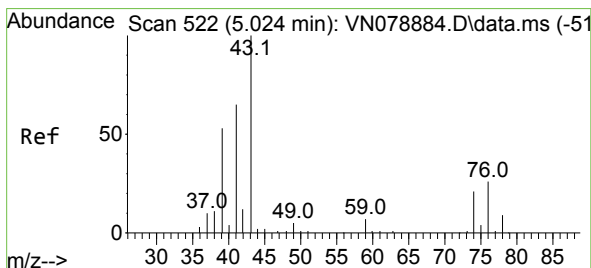
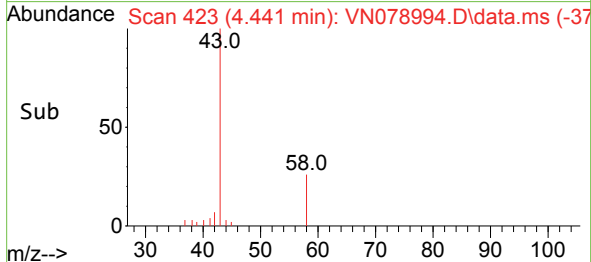
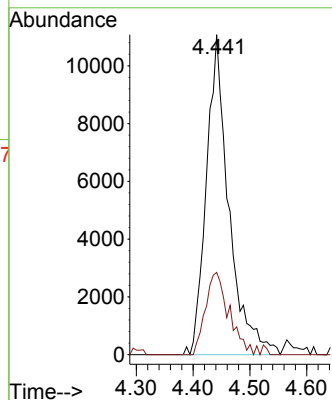
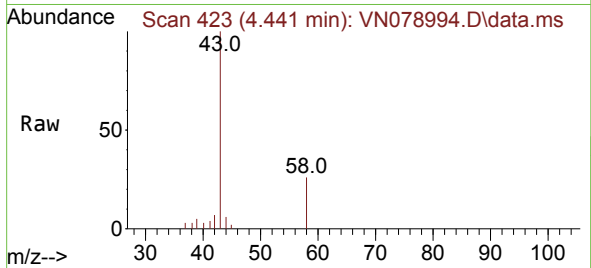




#16
Acetone
Concen: 27.712 ug/l
RT: 4.441 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

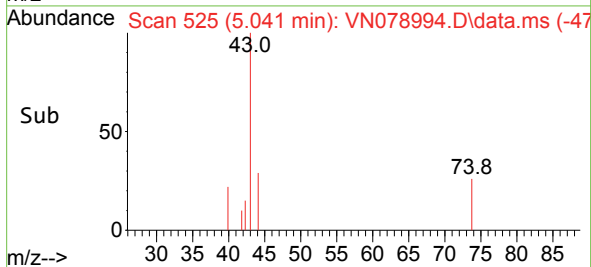
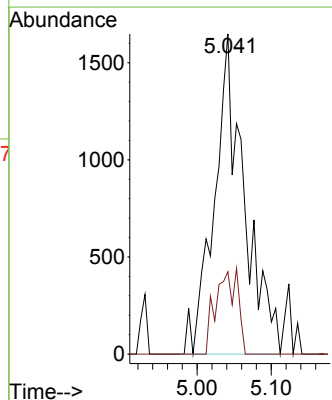
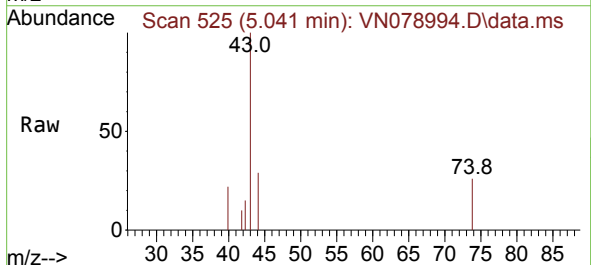
Instrument :
MSVOA_N
ClientSampleId :

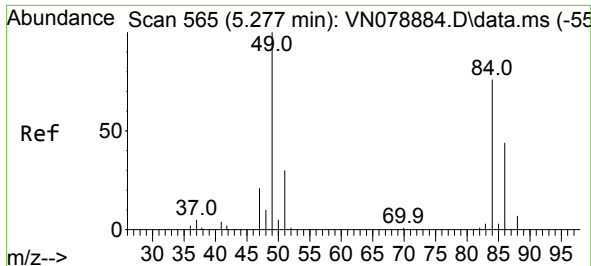
Tgt Ion: 43 Resp: 30420
Ion Ratio Lower Upper
43 100
58 25.7 28.0 42.0#



#18
Methyl Acetate
Concen: 0.998 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.001 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

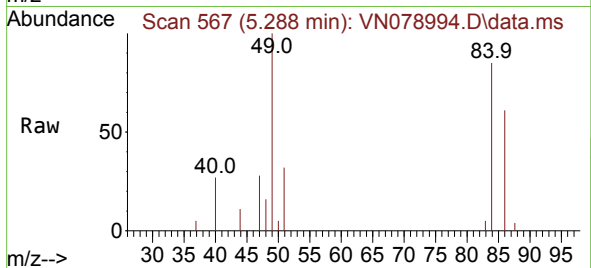
Tgt Ion: 43 Resp: 4626
Ion Ratio Lower Upper
43 100
74 19.1 26.2 39.4#



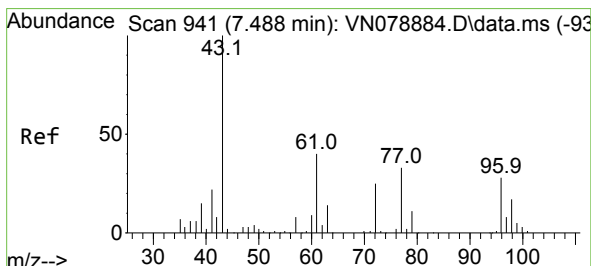
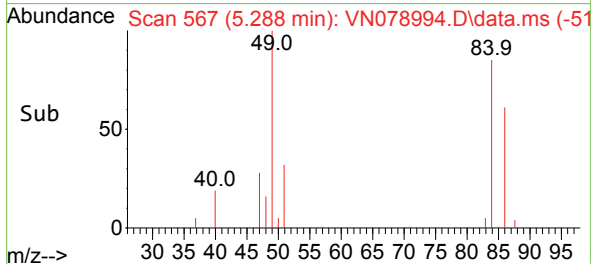
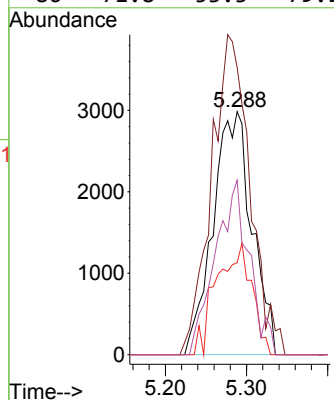


#20
Methylene Chloride
Concen: 4.251 ug/l
RT: 5.288 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

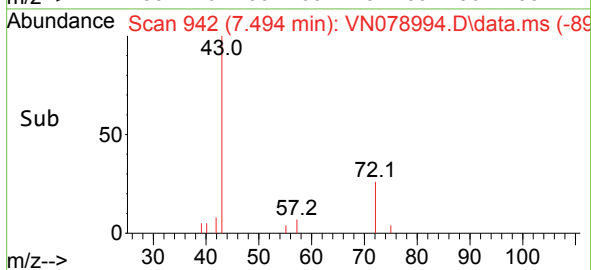
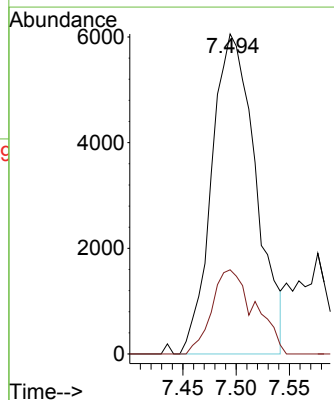
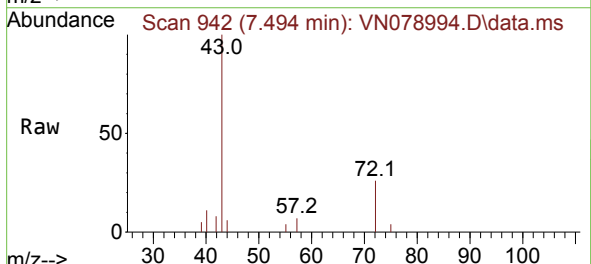


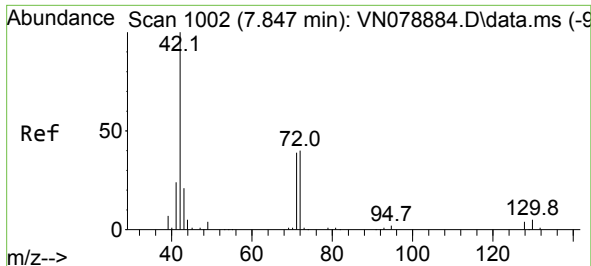
Tgt Ion:	84	Resp:	9944
Ion	Ratio	Lower	Upper
84	100		
49	118.2	79.7	119.5
51	37.9	25.2	37.8#
86	71.8	53.3	79.9



#25
2-Butanone
Concen: 9.888 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

Tgt Ion:	43	Resp:	17403
Ion	Ratio	Lower	Upper
43	100		
72	26.3	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.458 ug/l

RT: 7.859 min Scan# 1069

Delta R.T. 0.012 min

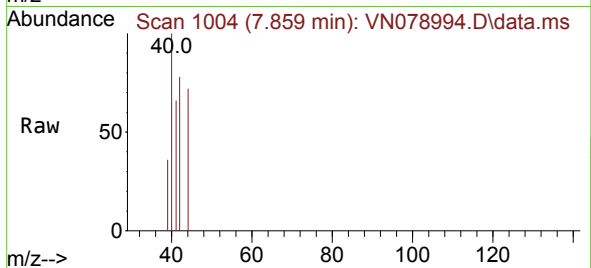
Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

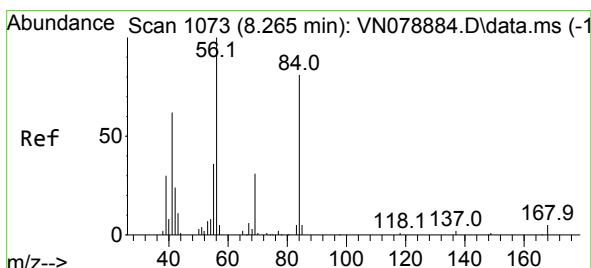
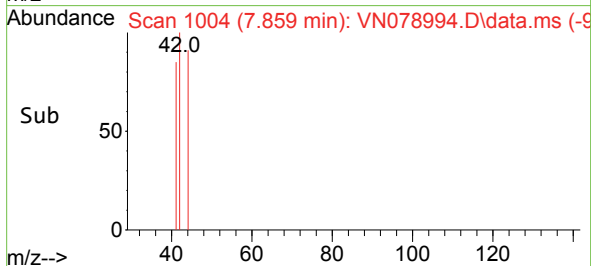
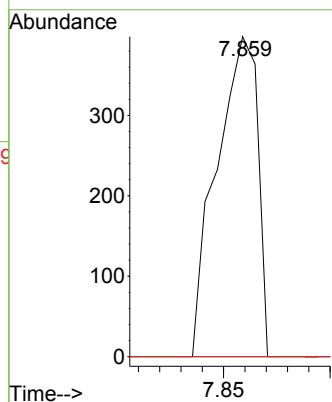
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	534
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: Below Cal

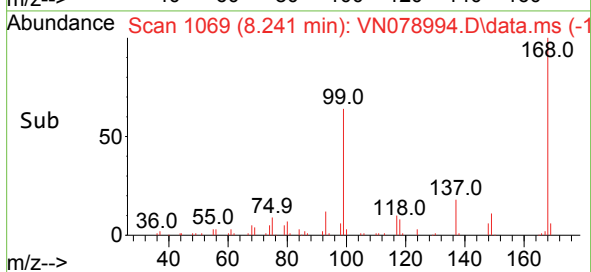
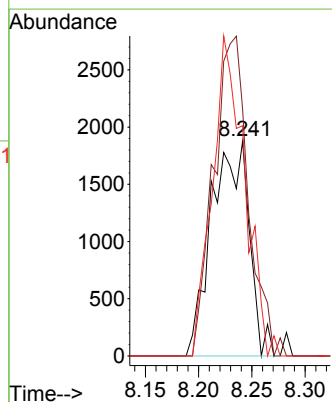
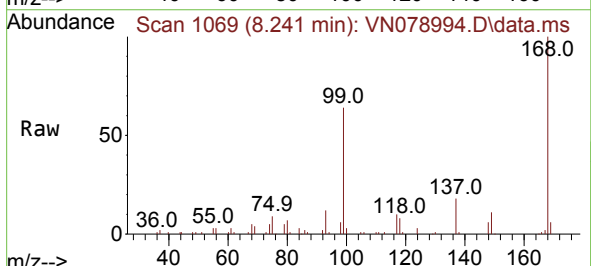
RT: 8.241 min Scan# 1069

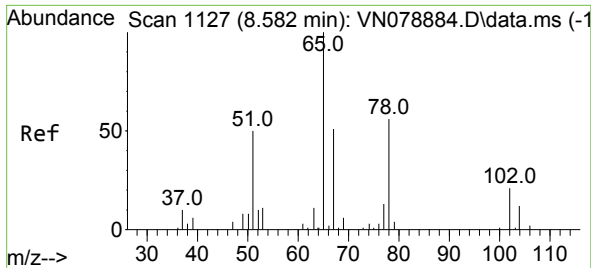
Delta R.T. -0.024 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Tgt Ion:	56	Resp:	4578
Ion	Ratio	Lower	Upper
56	100		
69	115.0	26.8	40.2#
84	121.8	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 53.643 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Instrument :

MSVOA_N

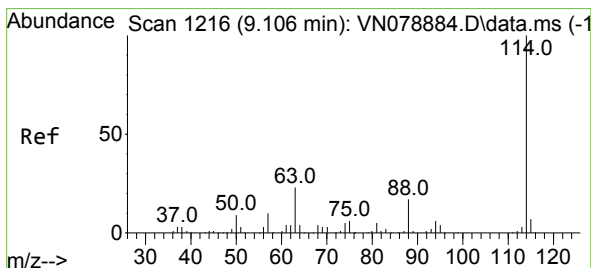
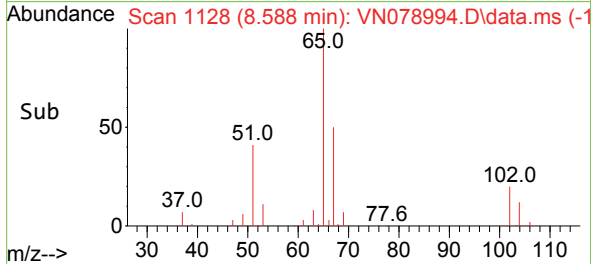
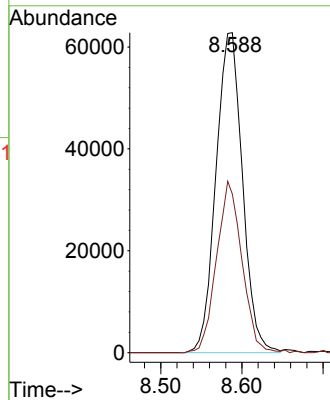
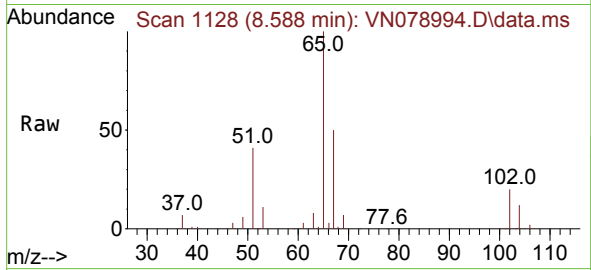
ClientSampleId :

Tgt Ion: 65 Resp: 142713

Ion Ratio Lower Upper

65 100

67 51.2 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: VN078994.D

Acq: 22 Aug 2023 15:11

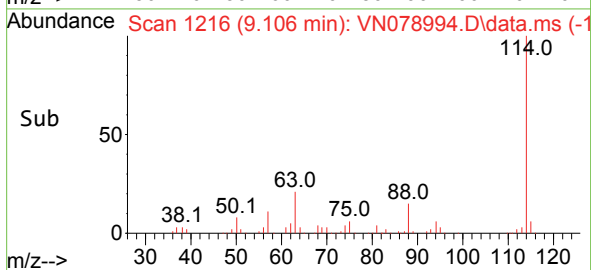
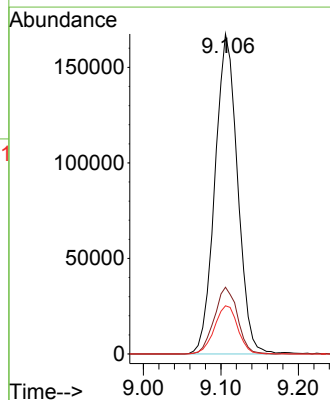
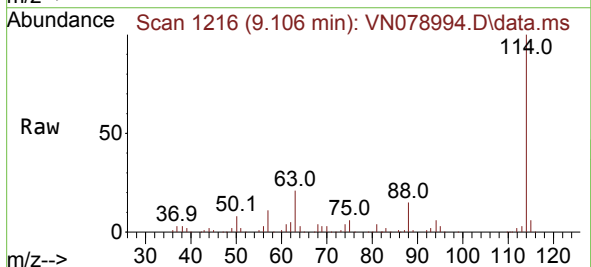
Tgt Ion: 114 Resp: 339764

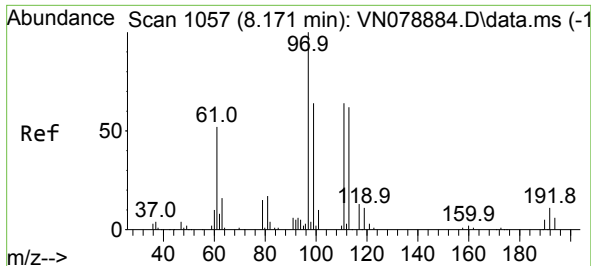
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.019 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

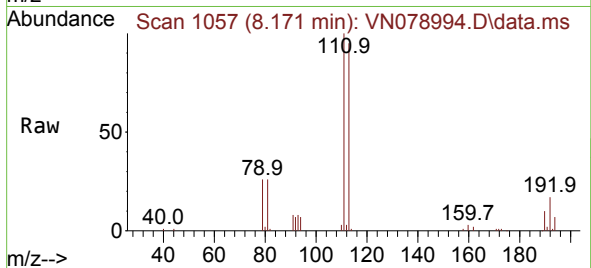
Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Instrument :

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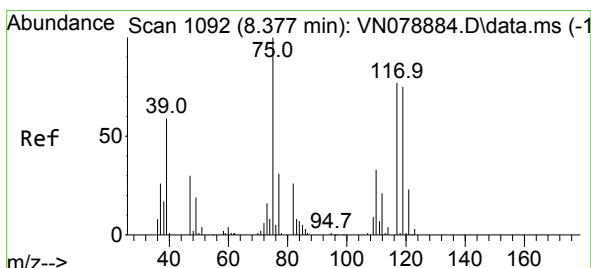
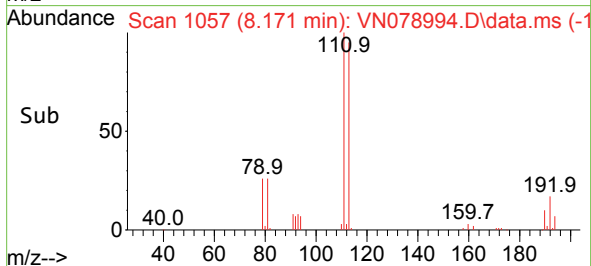
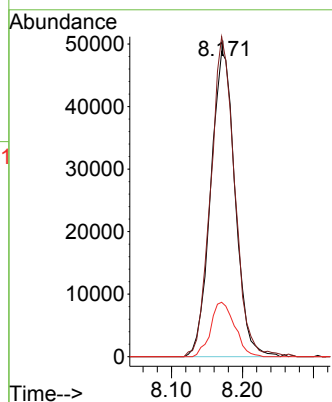
Tgt Ion:113 Resp: 116687

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 17.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.615 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

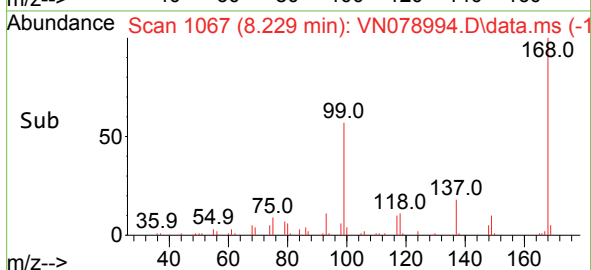
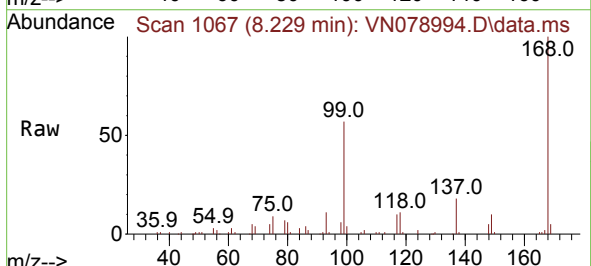
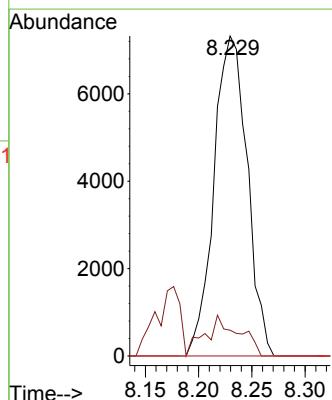
Tgt Ion: 75 Resp: 15878

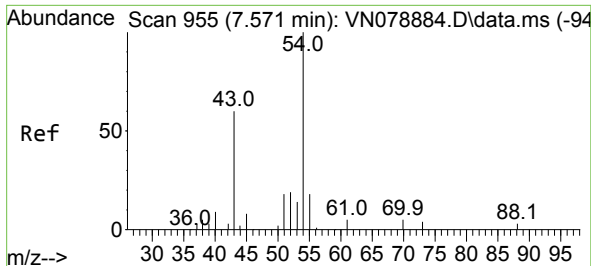
Ion Ratio Lower Upper

75 100

110 10.9 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.817 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

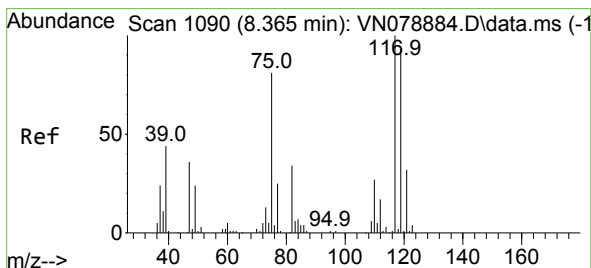
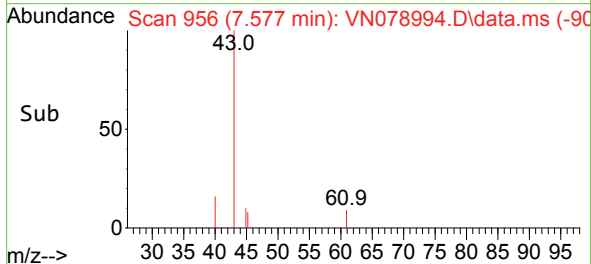
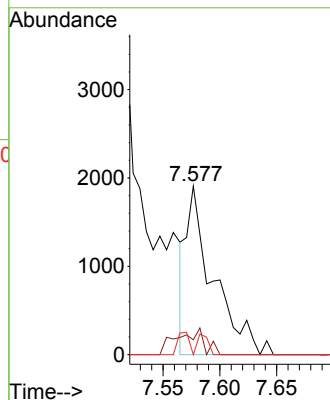
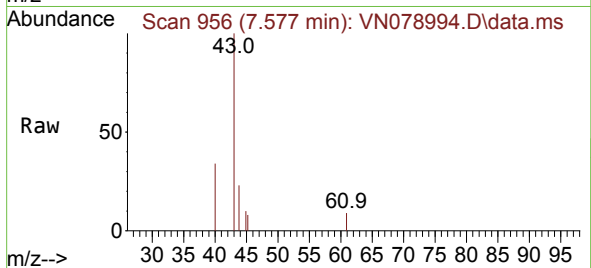
Tgt Ion: 43 Resp: 3146

Ion Ratio Lower Upper

43 100

61 15.9 13.2 19.8

70 4.8 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.376 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

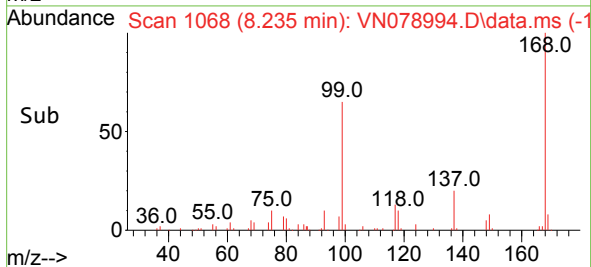
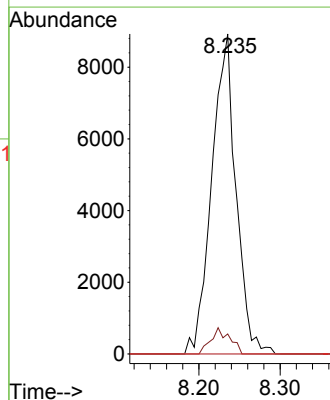
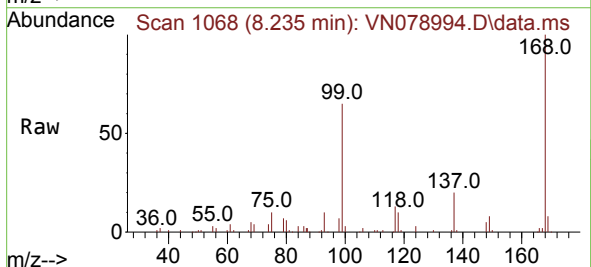
Tgt Ion: 117 Resp: 18533

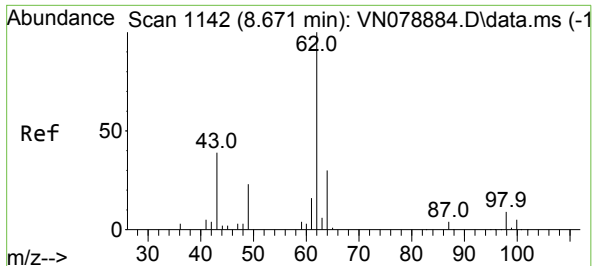
Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.272 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Instrument :

MSVOA_N

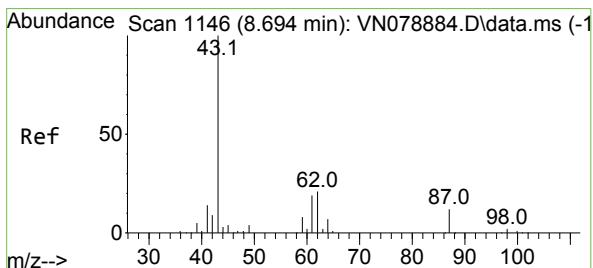
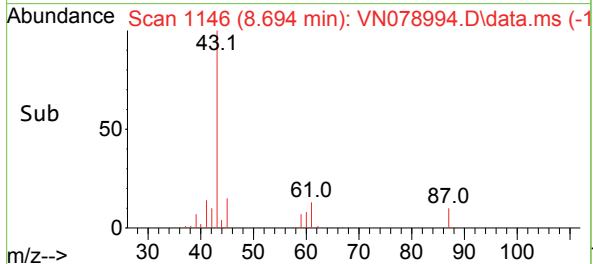
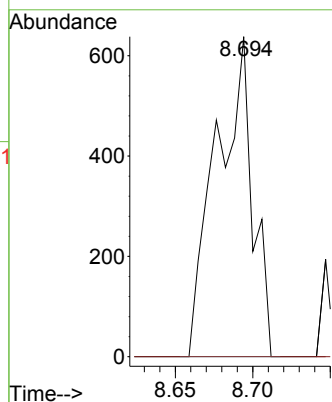
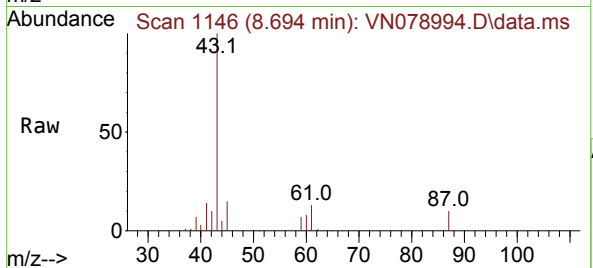
ClientSampleId :

Tgt Ion: 62 Resp: 1035

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 31.336 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

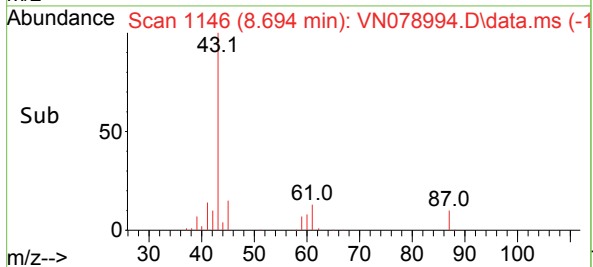
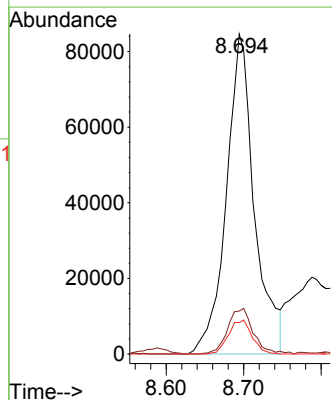
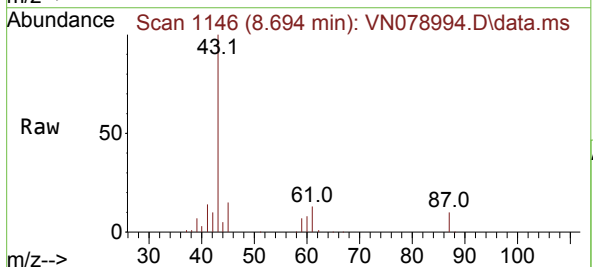
Tgt Ion: 43 Resp: 213201

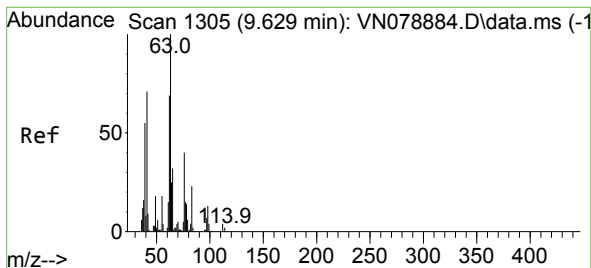
Ion Ratio Lower Upper

43 100

61 13.0 24.7 37.1#

87 8.9 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.623 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Instrument :

MSVOA_N

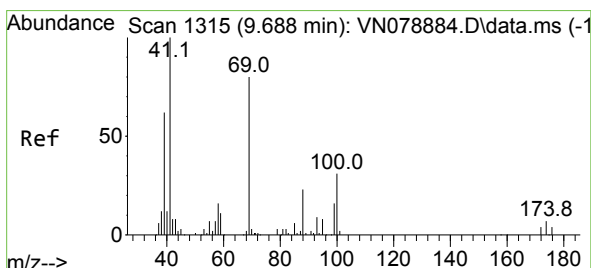
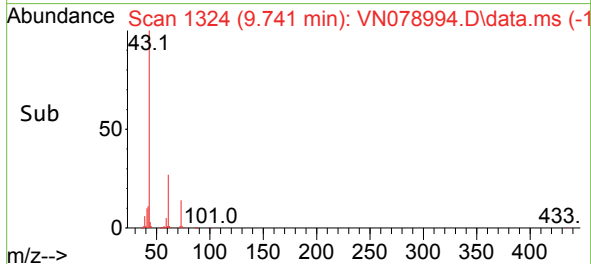
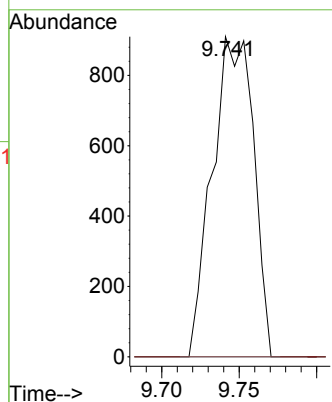
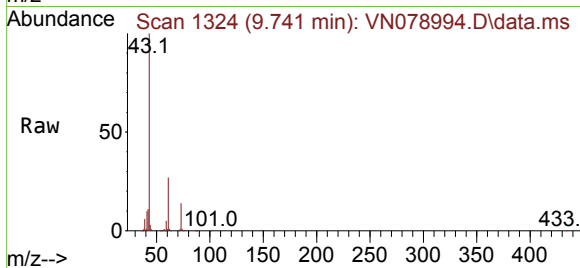
ClientSampleId :

Tgt Ion: 63 Resp: 1688

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.538 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.012 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

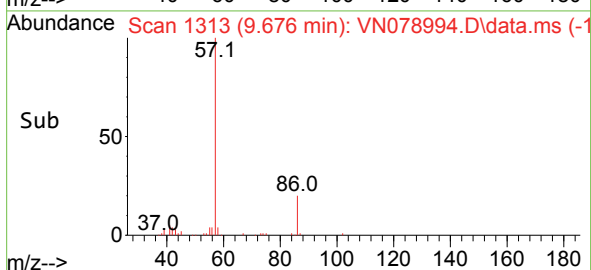
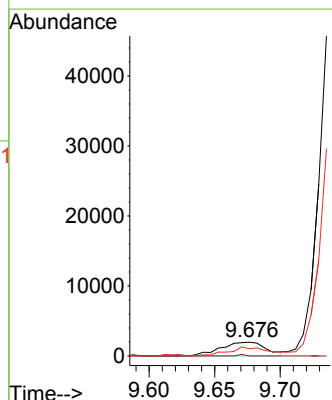
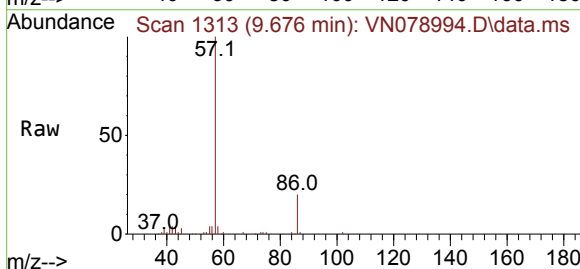
Tgt Ion: 41 Resp: 4741

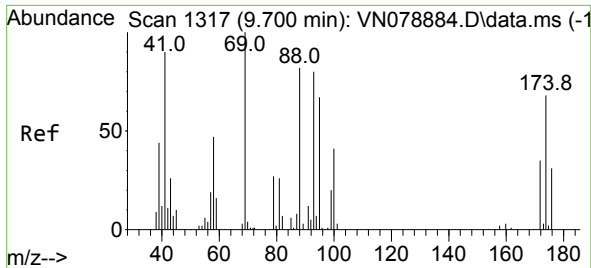
Ion Ratio Lower Upper

41 100

69 1.8 90.4 135.6#

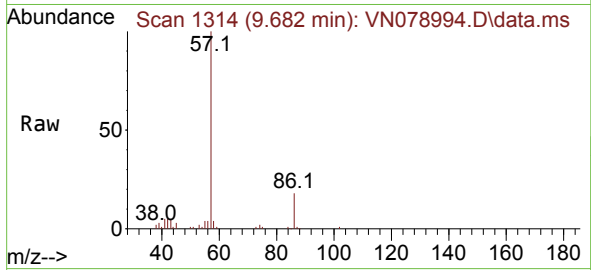
39 55.9 54.6 81.8



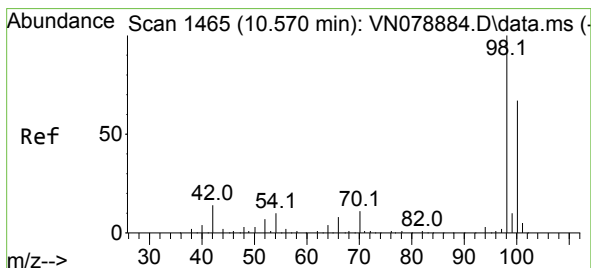
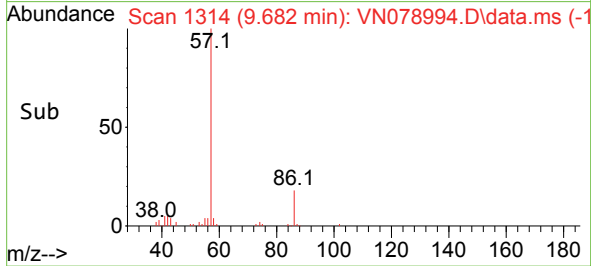
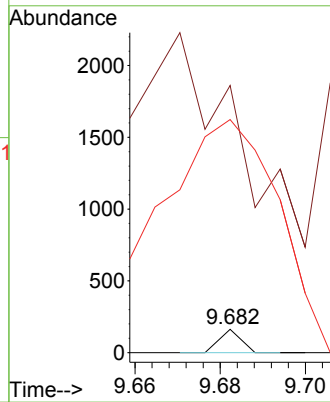


#49
1,4-Dioxane
Concen: 1.104 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

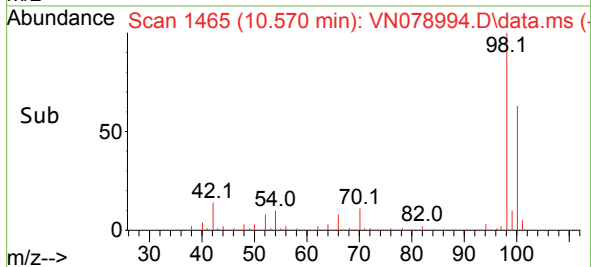
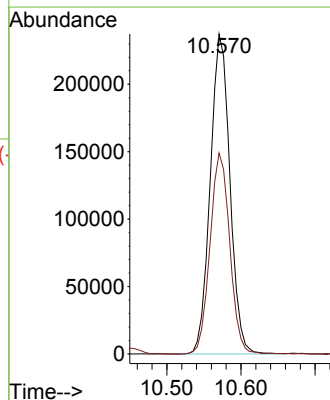
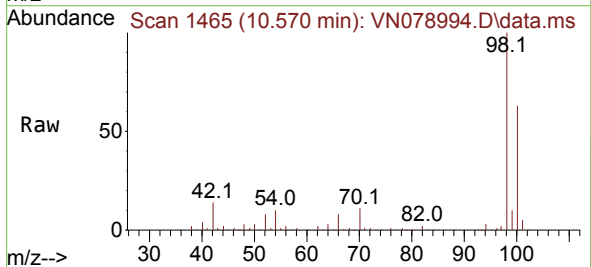


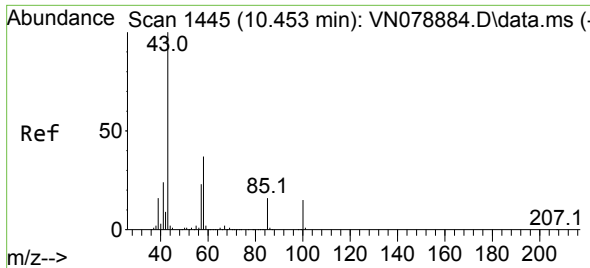
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 5834.5 47.0 70.4#



#50
Toluene-d8
Concen: 51.408 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

Tgt Ion: 98 Resp: 436572
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0

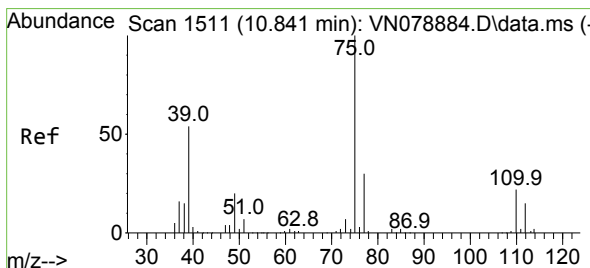
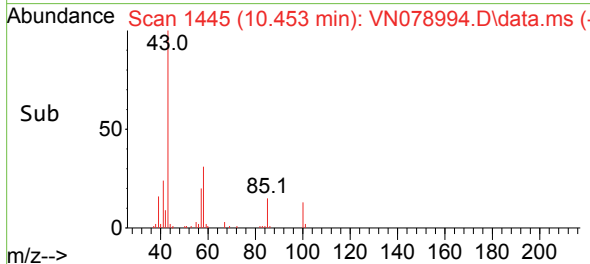
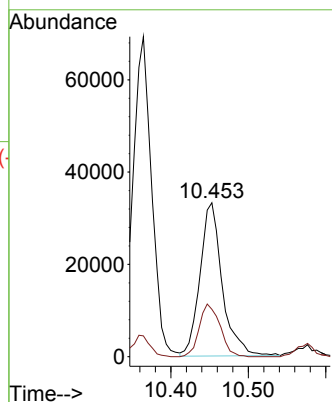
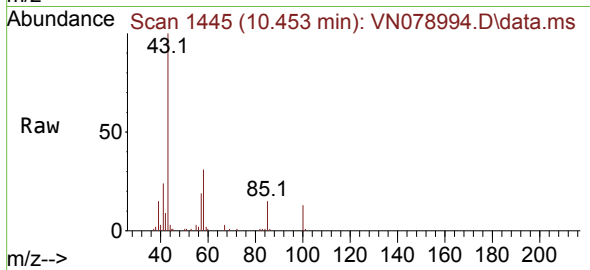




#51
4-Methyl-2-Pentanone
Concen: 16.412 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

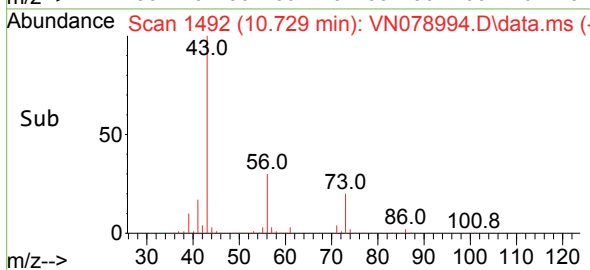
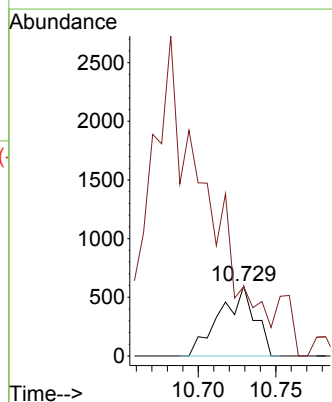
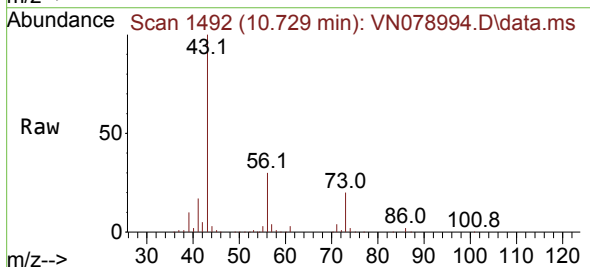
Instrument :
MSVOA_N
ClientSampleId :

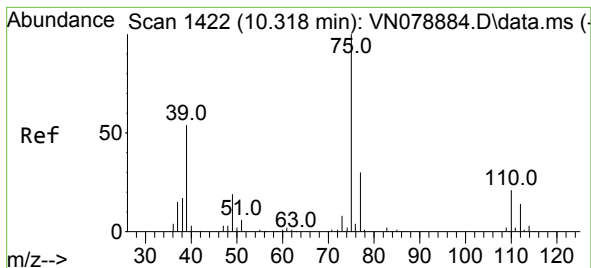
Tgt Ion: 43 Resp: 66227
Ion Ratio Lower Upper
43 100
58 32.2 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.238 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

Tgt Ion: 75 Resp: 937
Ion Ratio Lower Upper
75 100
77 13.6 25.4 38.0#

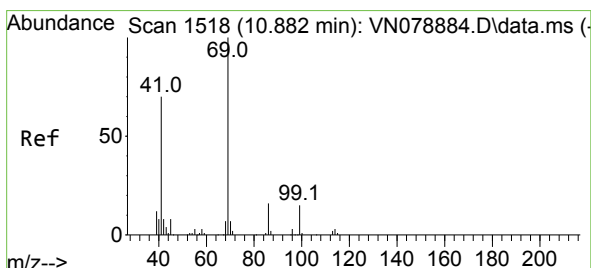
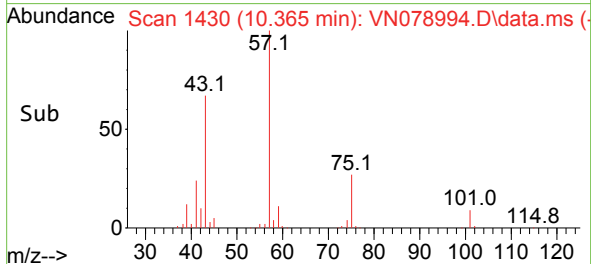
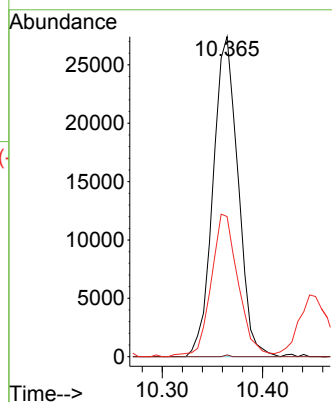
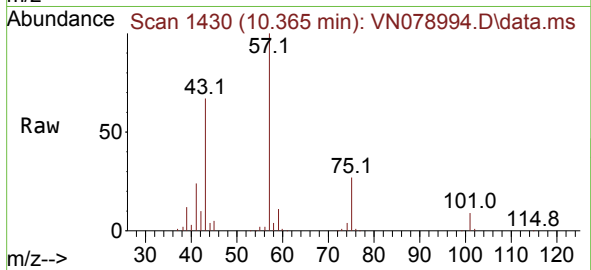




#54
 cis-1,3-Dichloropropene
 Concen: 11.091 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078994.D
 Acq: 22 Aug 2023 15:11

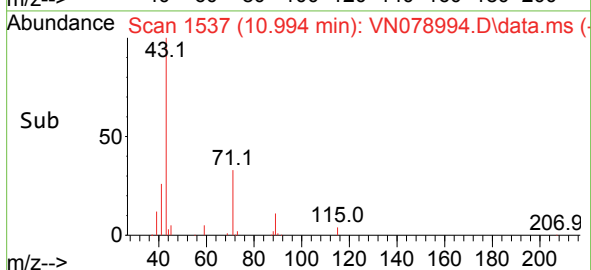
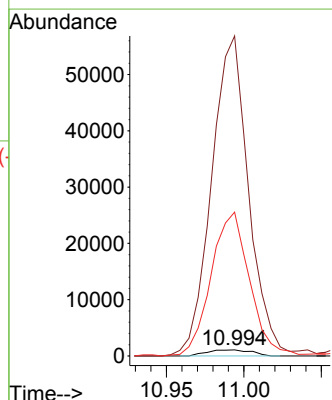
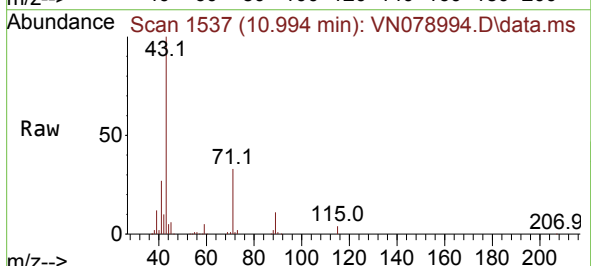
Instrument :
 MSVOA_N
 ClientSampleId :

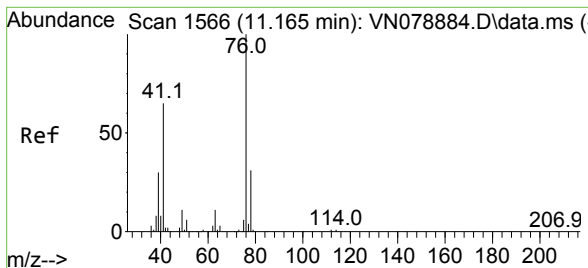
Tgt Ion: 75 Resp: 47501
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 43.0 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.552 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.117 min
 Lab File: VN078994.D
 Acq: 22 Aug 2023 15:11

Tgt Ion: 69 Resp: 2141
 Ion Ratio Lower Upper
 69 100
 41 4447.0 39.6 59.4#
 39 2063.5 28.6 43.0#

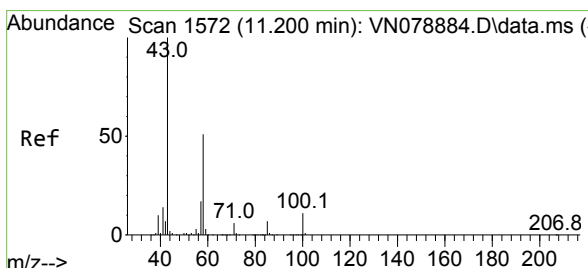
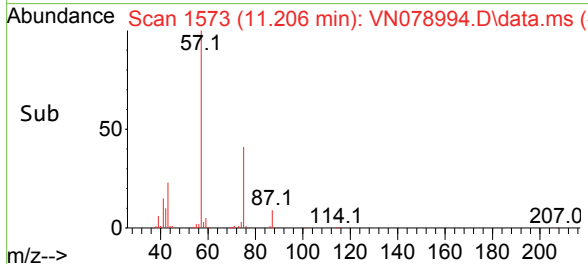
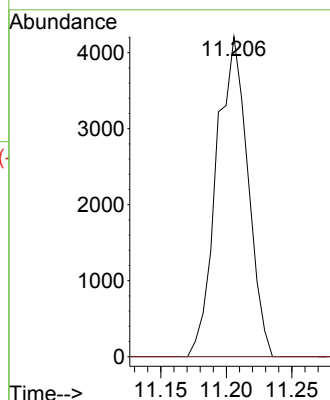
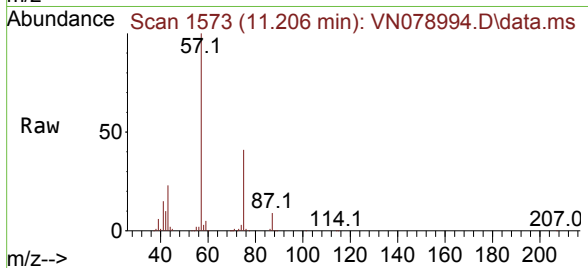




#57
1,3-Dichloropropane
Concen: 1.563 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

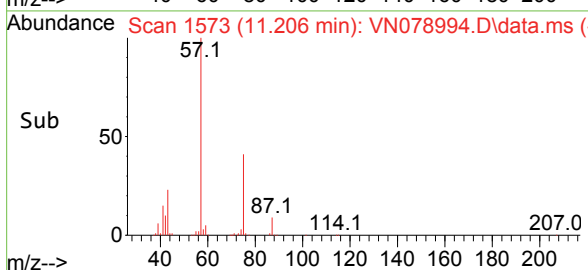
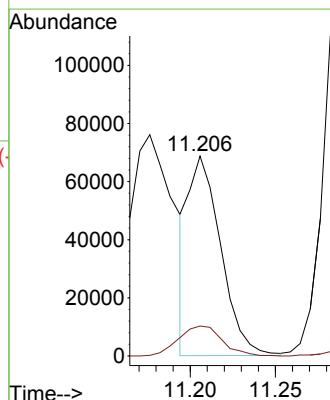
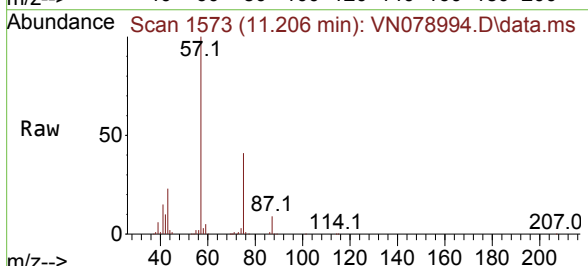
Instrument :
MSVOA_N
ClientSampleId :

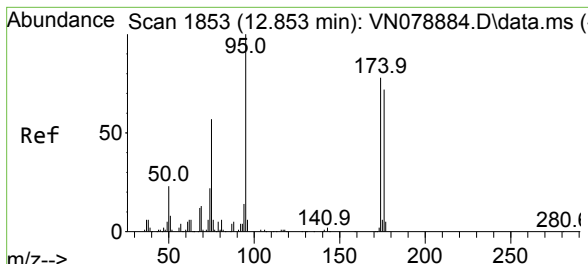
Tgt Ion: 76 Resp: 6998
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 31.191 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078994.D
Acq: 22 Aug 2023 15:11

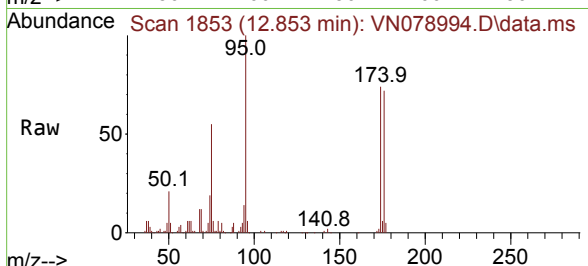
Tgt Ion: 43 Resp: 91163
Ion Ratio Lower Upper
43 100
58 20.2 31.7 95.1#



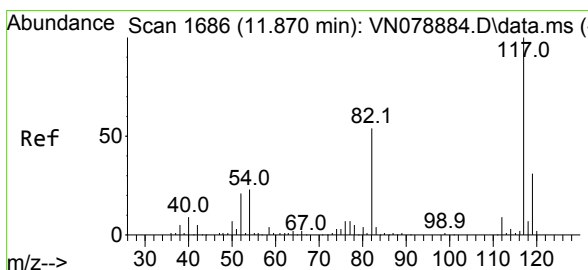
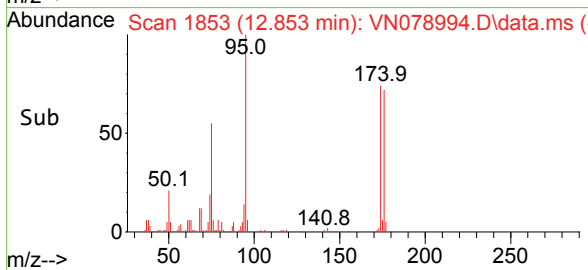
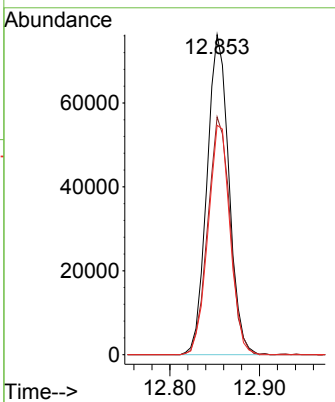


#62
 4-Bromofluorobenzene
 Concen: 46.609 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN078994.D
 Acq: 22 Aug 2023 15:11

Instrument :
 MSVOA_N
 ClientSampleId :

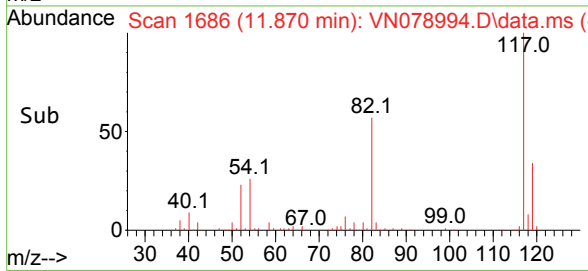
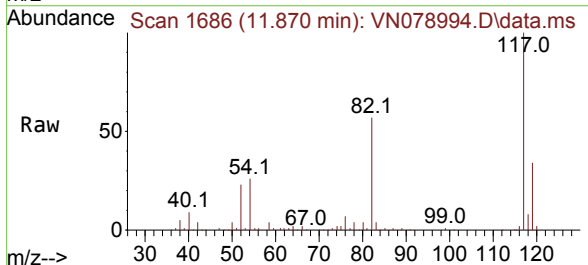
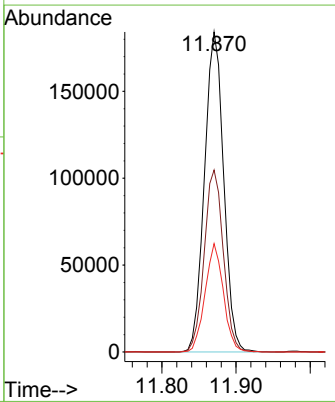


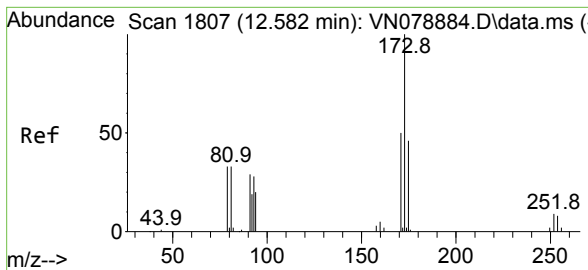
Tgt Ion:	95	Resp:	129376
Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	143.8
176	72.3	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN078994.D
 Acq: 22 Aug 2023 15:11

Tgt Ion:	117	Resp:	331071
Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.0	66.0
119	33.8	25.6	38.4





#71

Bromoform

Concen: 0.587 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

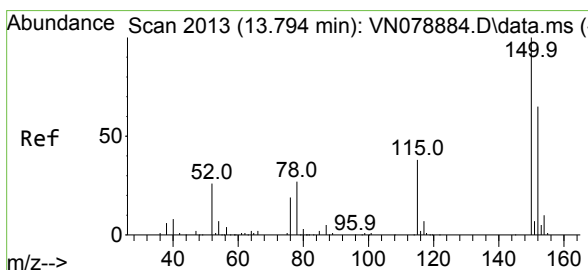
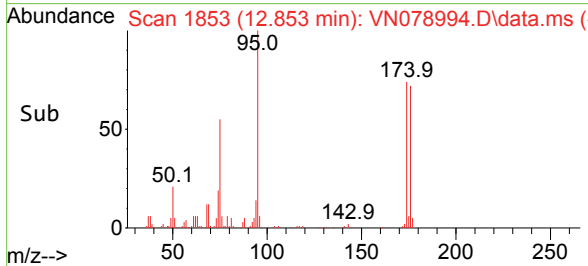
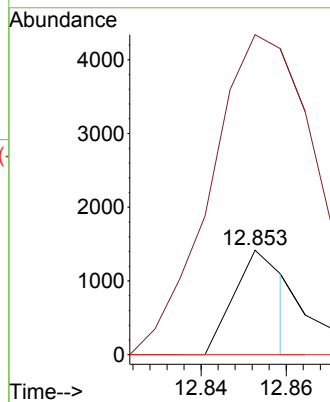
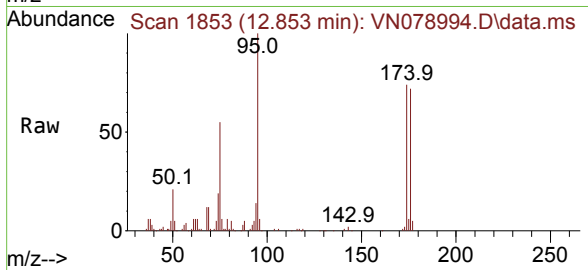
Tgt Ion:173 Resp: 1137

Ion Ratio Lower Upper

173 100

175 476.3 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. 0.006 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

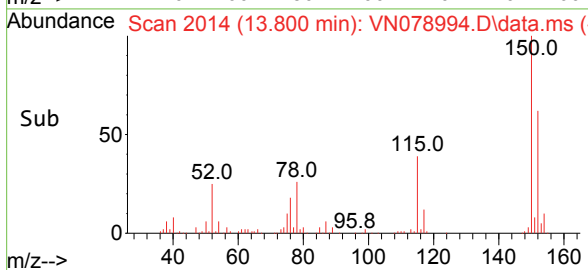
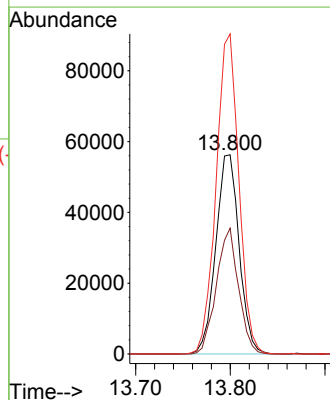
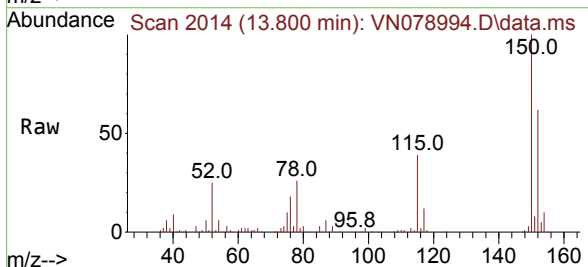
Tgt Ion:152 Resp: 96287

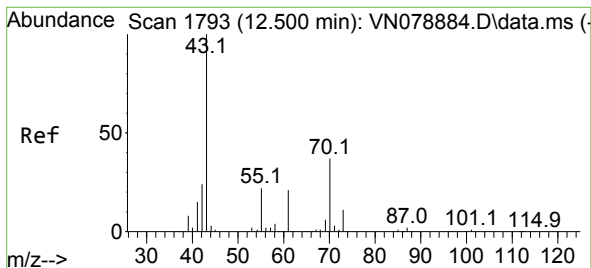
Ion Ratio Lower Upper

152 100

115 59.9 32.3 96.8

150 156.4 0.0 355.8





#74

N-amy1 acetate

Concen: 0.454 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078994.D

Acq: 22 Aug 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1840

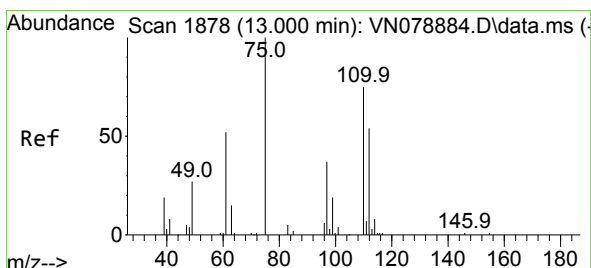
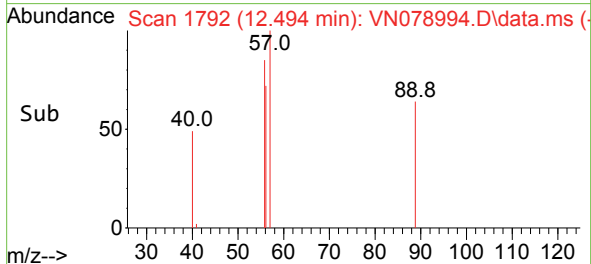
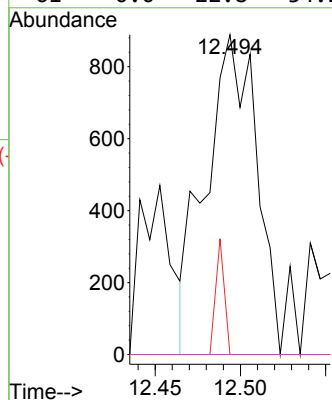
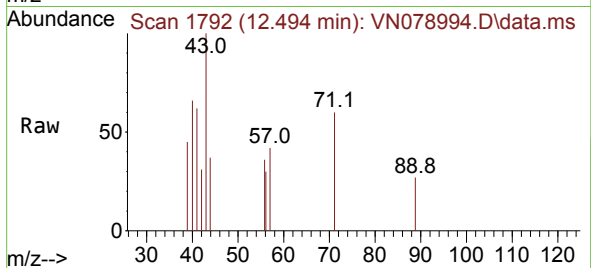
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 6.2 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 31.030 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078994.D

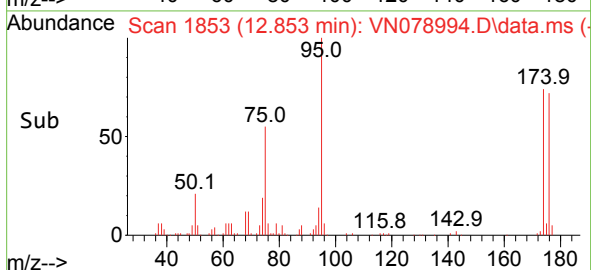
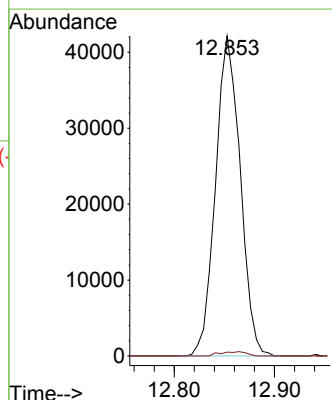
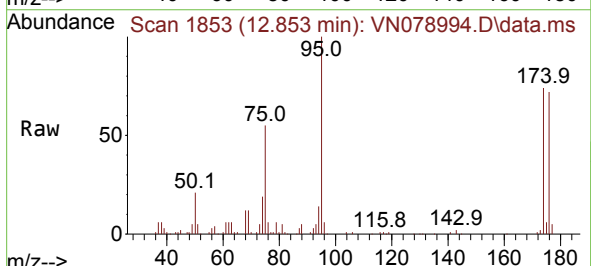
Acq: 22 Aug 2023 15:11

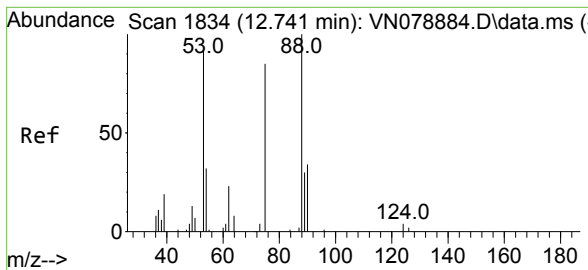
Tgt Ion: 75 Resp: 71992

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.269 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078994.D
 Acq: 22 Aug 2023 15:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 71992
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

