

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078833.D
 Acq On : 10 Aug 2023 13:31
 Operator : JC\MD
 Sample : PB154726ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:50:48 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

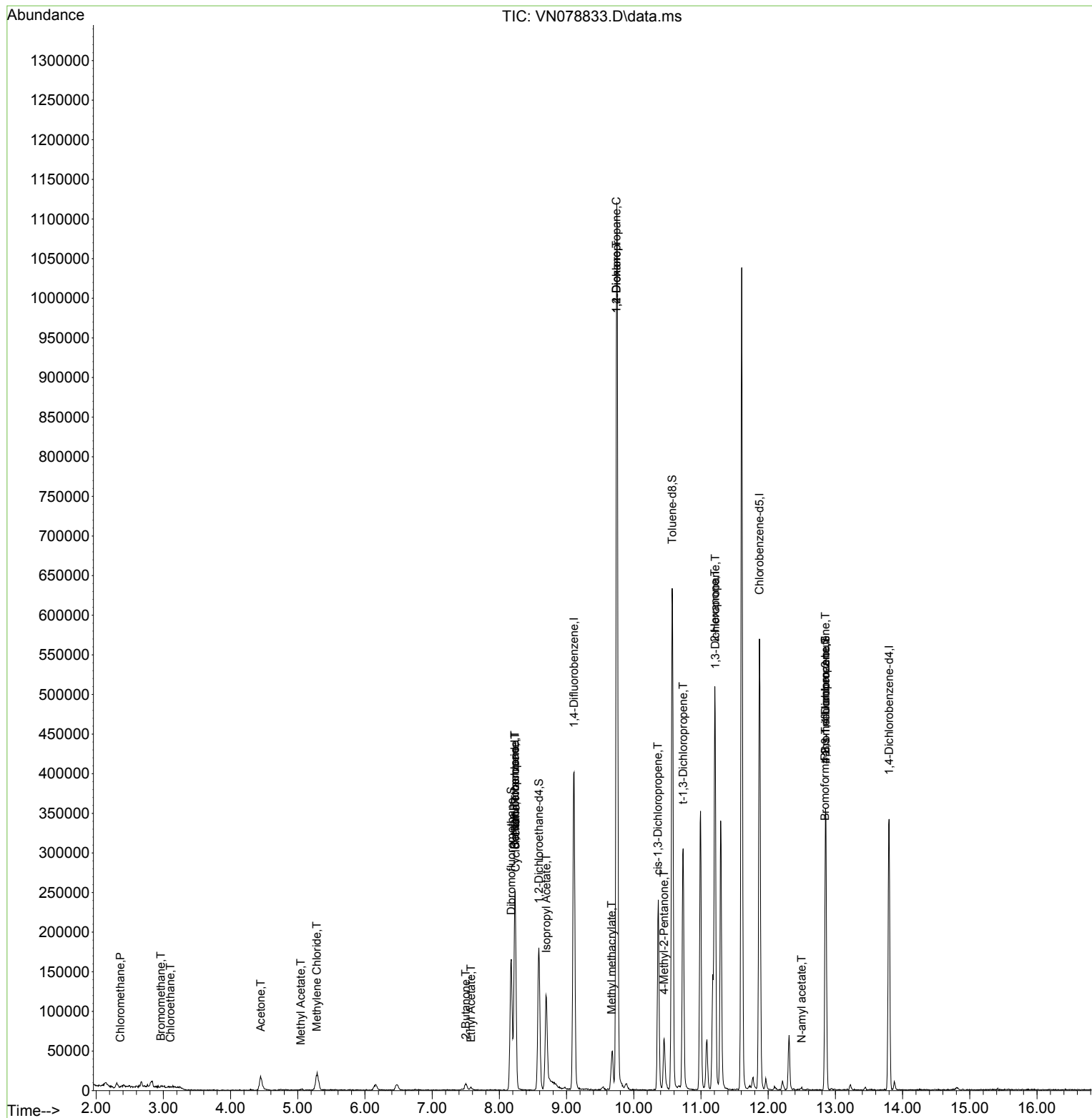
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	168988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	336628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	316208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	88610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	141377	55.806	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.620%	
35) Dibromofluoromethane	8.177	113	113685	50.009	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.020%	
50) Toluene-d8	10.571	98	427575	51.111	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	12.853	95	119358	47.740	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.480%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	949	0.326	ug/l #	42
5) Bromomethane	2.965	94	596	0.306	ug/l #	4
6) Chloroethane	3.106	64	706	0.391	ug/l #	43
16) Acetone	4.447	43	32614	33.459	ug/l #	84
18) Methyl Acetate	5.047	43	2073	0.474	ug/l #	59
20) Methylene Chloride	5.283	84	14894	6.170	ug/l #	70
25) 2-Butanone	7.500	43	13887	8.413	ug/l #	70
31) Cyclohexane	8.241	56	4781	1.284	ug/l #	64
36) 1,1-Dichloropropene	8.235	75	16331	4.631	ug/l #	50
37) Ethyl Acetate	7.577	43	5633	1.502	ug/l #	79
38) Carbon Tetrachloride	8.230	117	19495	5.362	ug/l #	17
43) Isopropyl Acetate	8.700	43	143148	22.642	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	1194	0.418	ug/l #	45
48) Methyl methacrylate	9.671	41	3355	1.149	ug/l #	31
49) 1,4-Dioxane	9.741	88	61	1.286	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	51962	13.419	ug/l #	79
53) t-1,3-Dichloropropene	10.735	75	787	0.203	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	37919	9.017	ug/l #	73
57) 1,3-Dichloropropane	11.212	76	5055	1.123	ug/l #	42
59) 2-Hexanone	11.206	43	71934	26.234	ug/l #	46
71) Bromoform	12.847	173	846	0.435	ug/l #	1
74) N-amyl acetate	12.500	43	1083	0.274	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	65540	27.357	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65540	73.409	ug/l #	15

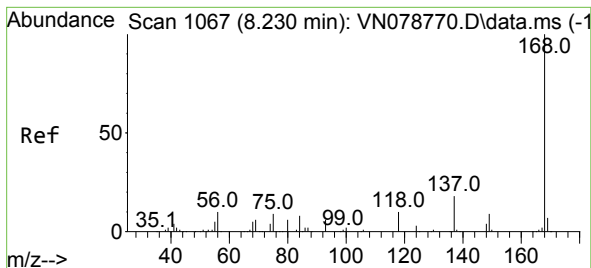
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 08 05:03:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078833.D

Acq: 10 Aug 2023 13:31

Instrument :

MSVOA_N

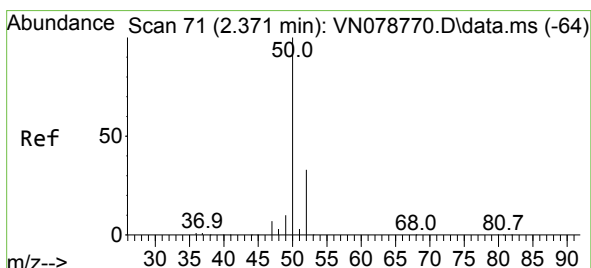
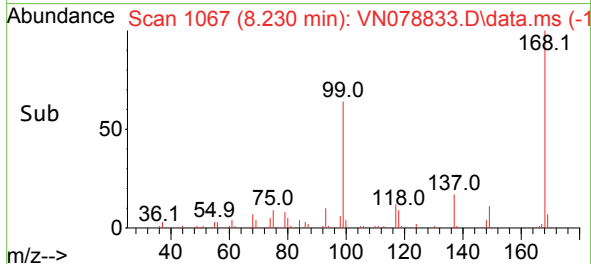
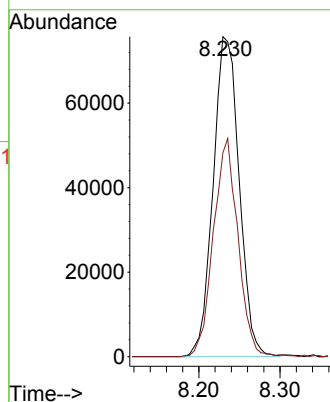
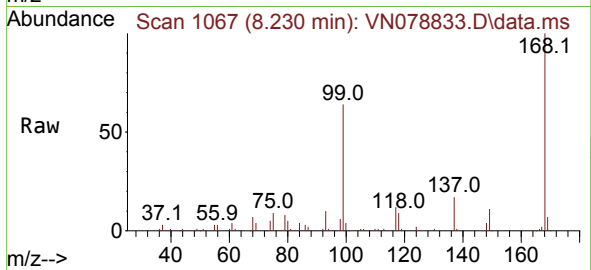
ClientSampleId :

Tgt Ion:168 Resp: 168988

Ion Ratio Lower Upper

168 100

99 63.7 53.0 79.6



#3

Chloromethane

Concen: 0.326 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.012 min

Lab File: VN078833.D

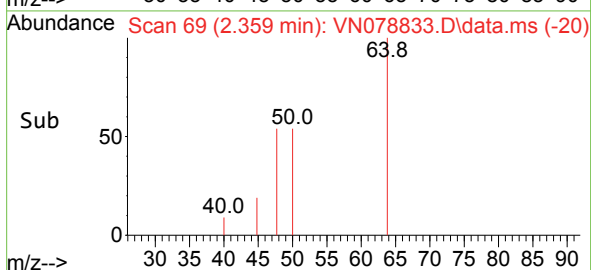
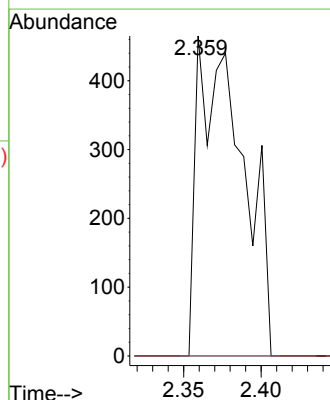
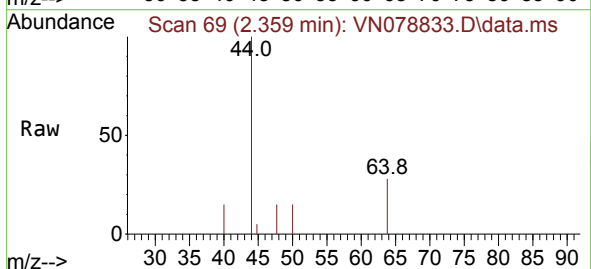
Acq: 10 Aug 2023 13:31

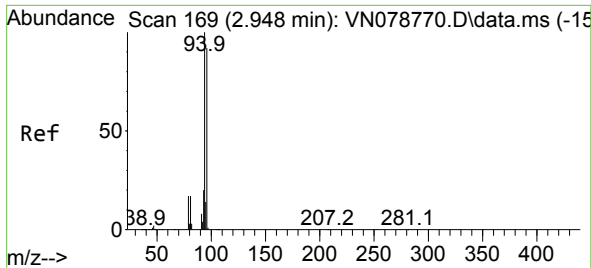
Tgt Ion: 50 Resp: 949

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

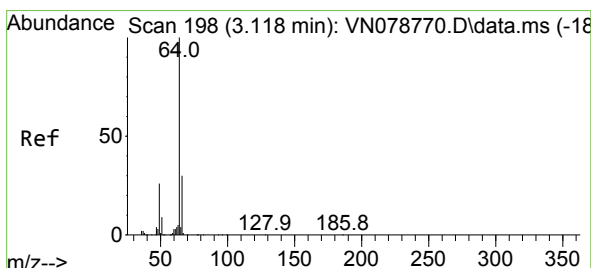
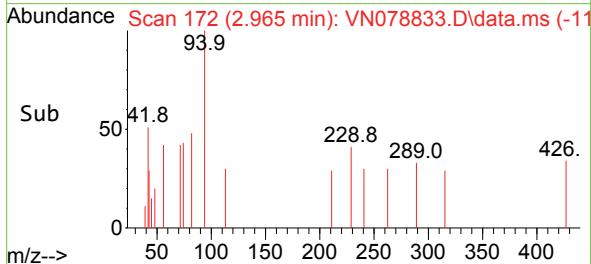
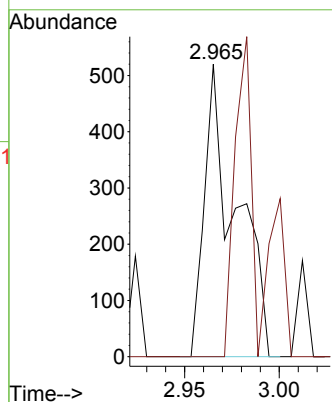
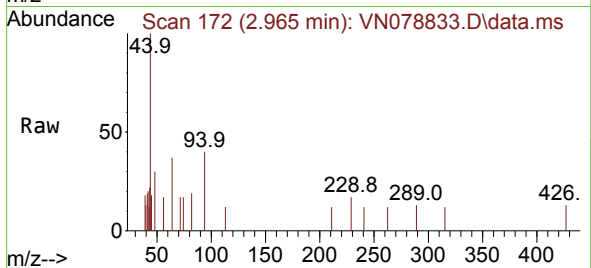




#5
Bromomethane
Concen: 0.306 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

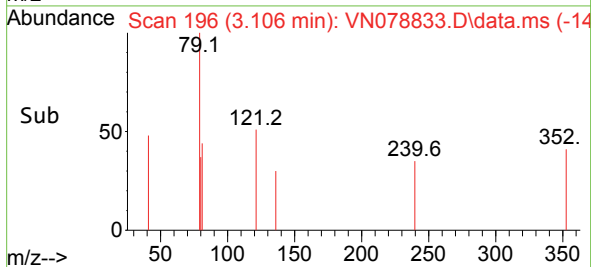
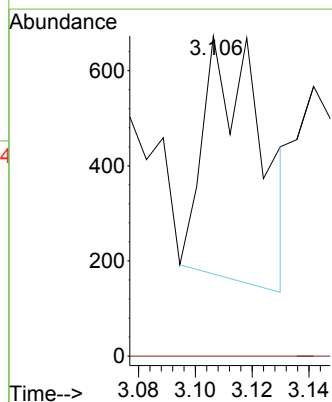
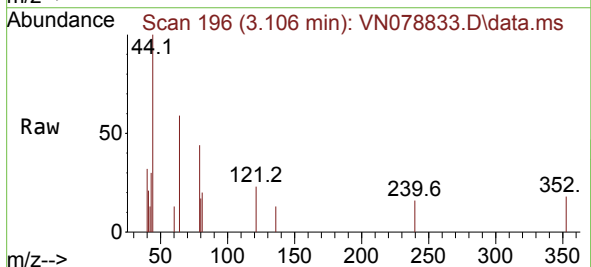
Instrument :
MSVOA_N
ClientSampleId :

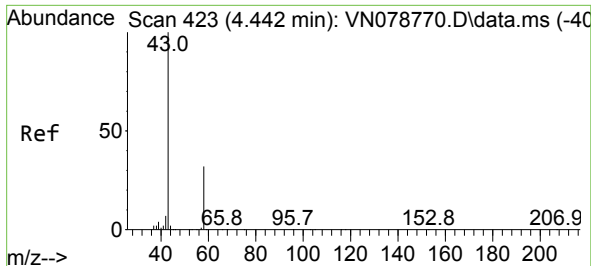
Tgt Ion: 94 Resp: 596
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: 0.391 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Tgt Ion: 64 Resp: 706
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

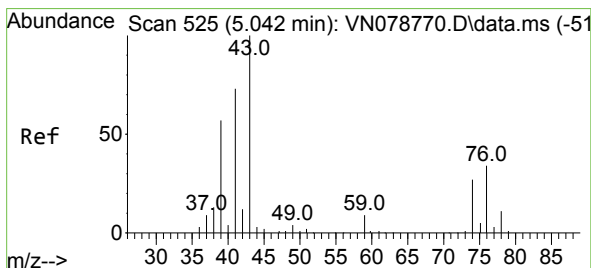
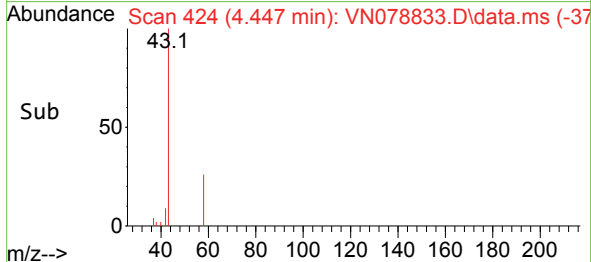
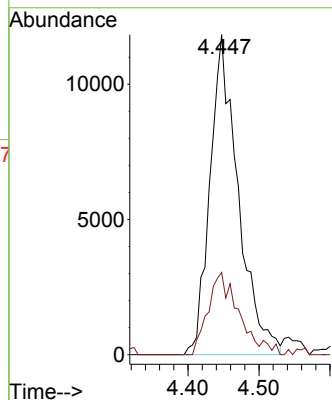
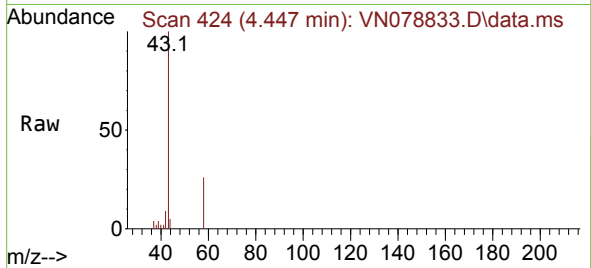




#16
Acetone
Concen: 33.459 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

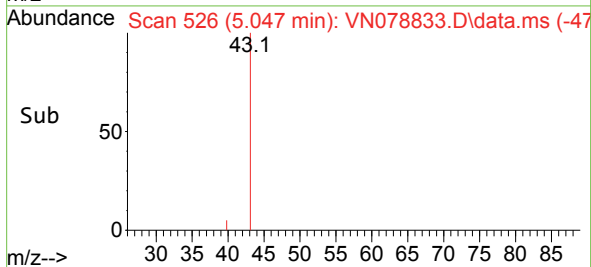
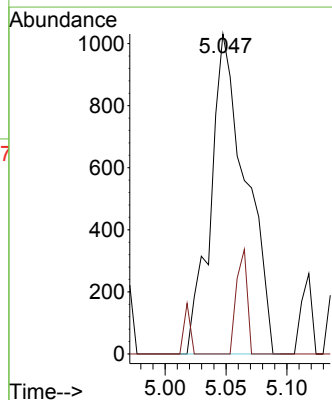
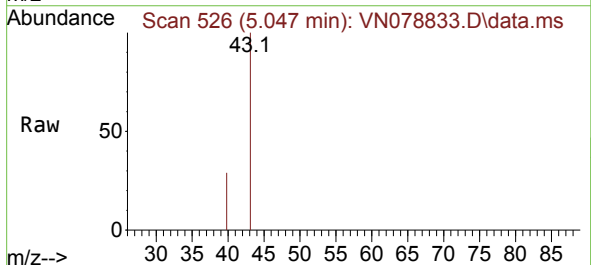
Instrument :
MSVOA_N
ClientSampleId :

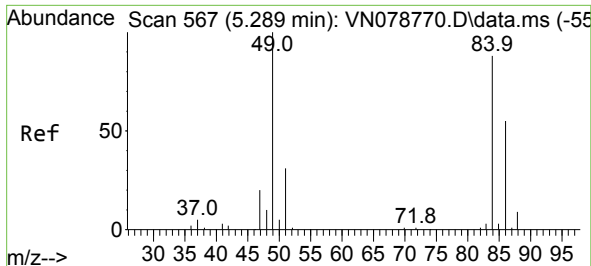
Tgt Ion: 43 Resp: 32614
Ion Ratio Lower Upper
43 100
58 25.7 28.0 42.0#



#18
Methyl Acetate
Concen: 0.474 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

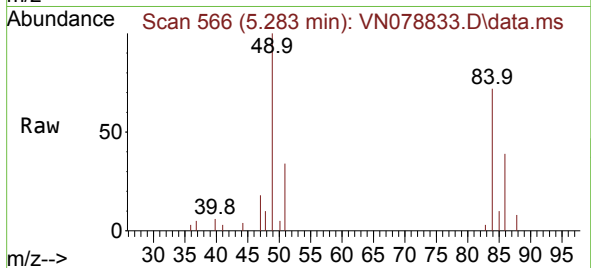
Tgt Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
74 9.9 26.2 39.4#



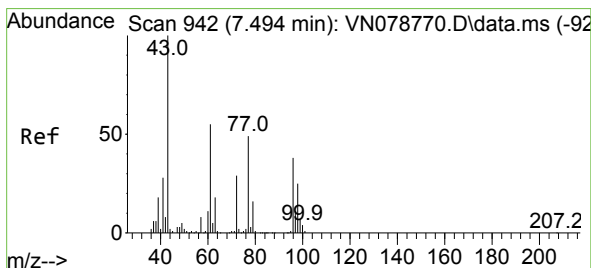
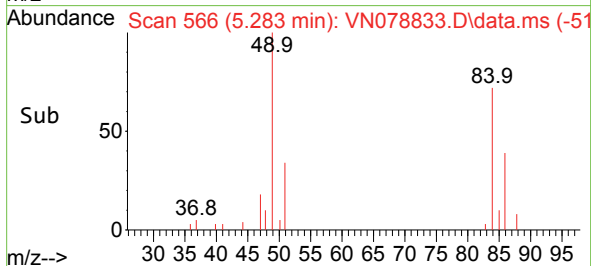
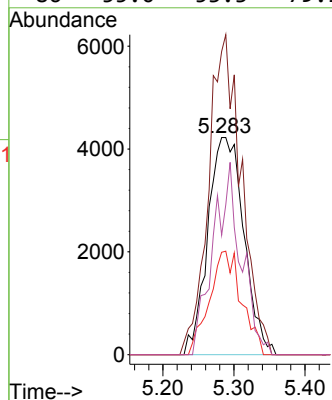


#20
Methylene Chloride
Concen: 6.170 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Instrument :
MSVOA_N
ClientSampleId :

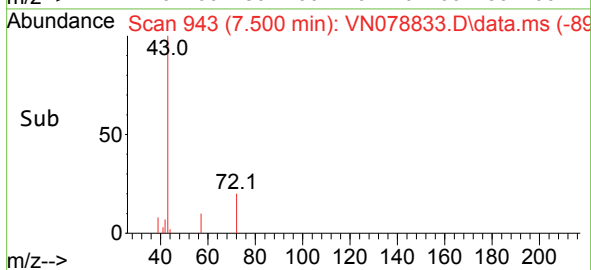
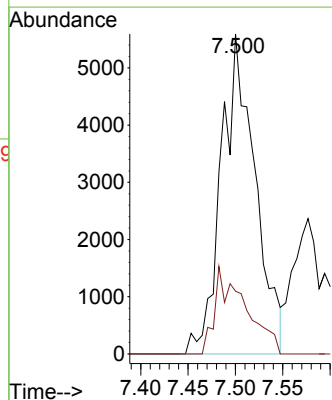
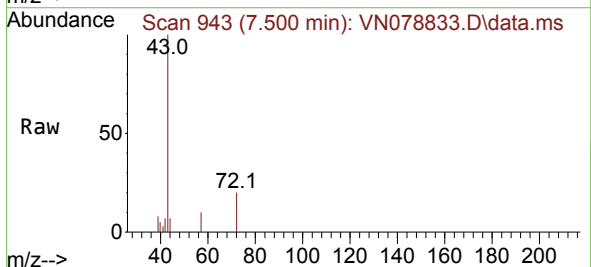


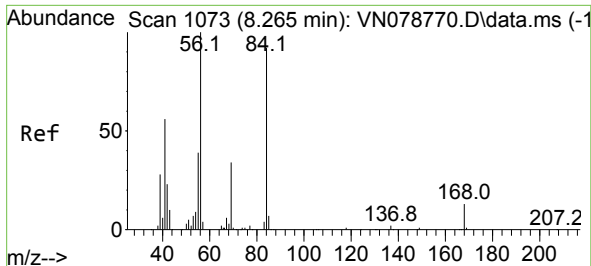
Tgt Ion:	84	Resp:	14894
Ion	Ratio	Lower	Upper
84	100		
49	139.7	79.7	119.5#
51	47.1	25.2	37.8#
86	55.0	53.3	79.9



#25
2-Butanone
Concen: 8.413 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

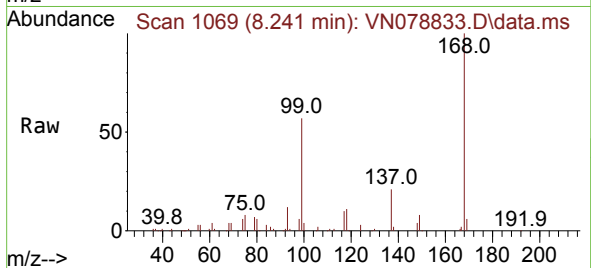
Tgt Ion:	43	Resp:	13887
Ion	Ratio	Lower	Upper
43	100		
72	19.6	30.2	45.2#



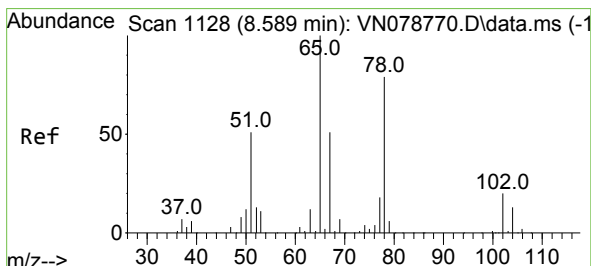
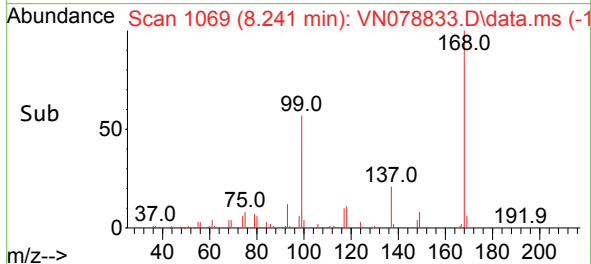
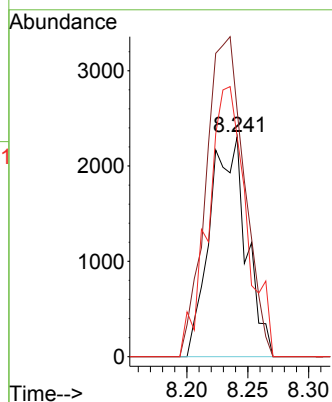


#31
Cyclohexane
Concen: 1.284 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Instrument :
MSVOA_N
ClientSampleId :

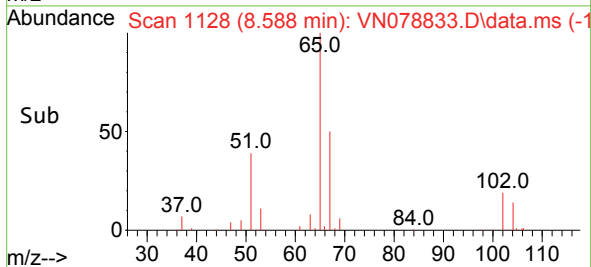
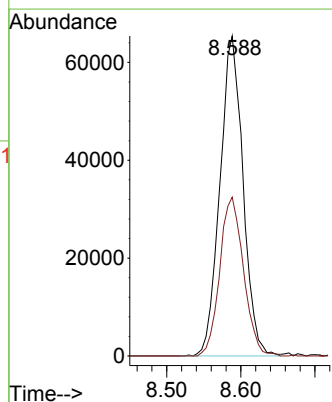
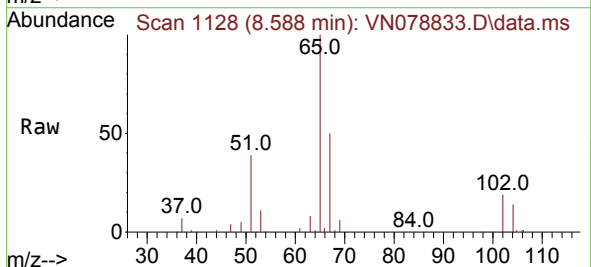


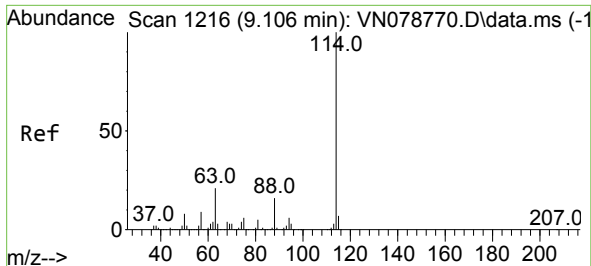
Tgt Ion: 56 Resp: 4781
Ion Ratio Lower Upper
56 100
69 112.0 26.8 40.2#
84 100.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.806 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Tgt Ion: 65 Resp: 141377
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

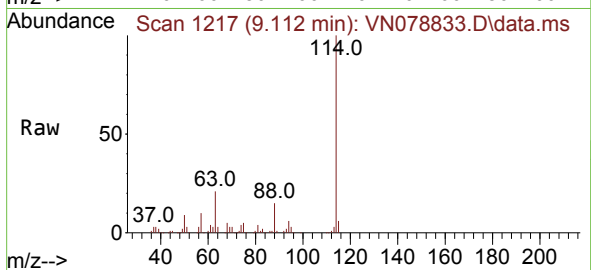
Lab File: VN078833.D

Acq: 10 Aug 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :



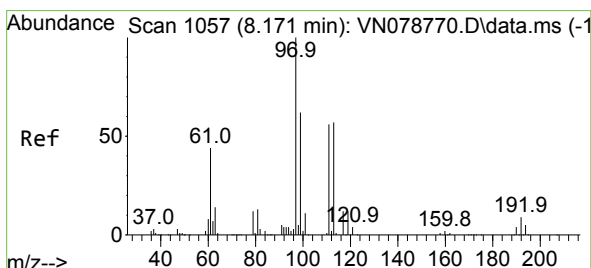
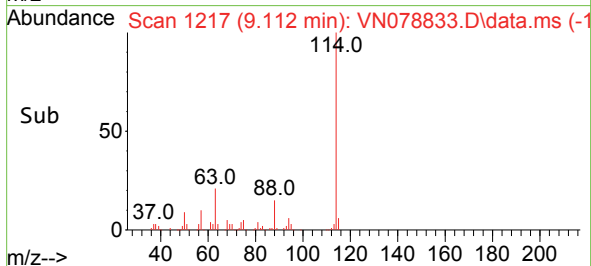
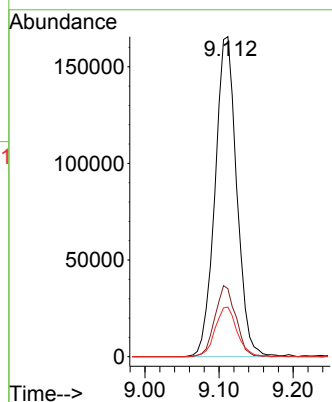
Tgt Ion:114 Resp: 336628

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.009 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078833.D

Acq: 10 Aug 2023 13:31

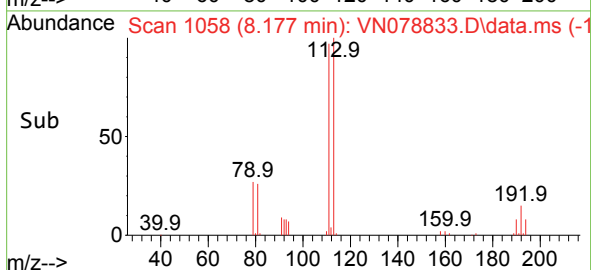
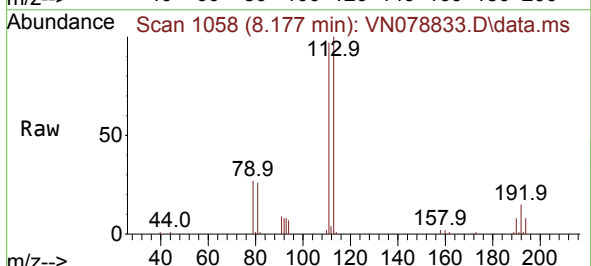
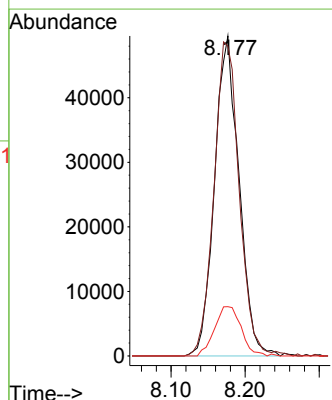
Tgt Ion:113 Resp: 113685

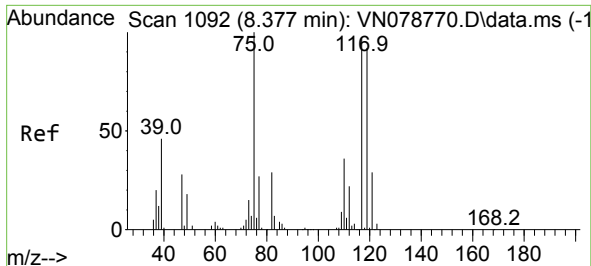
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

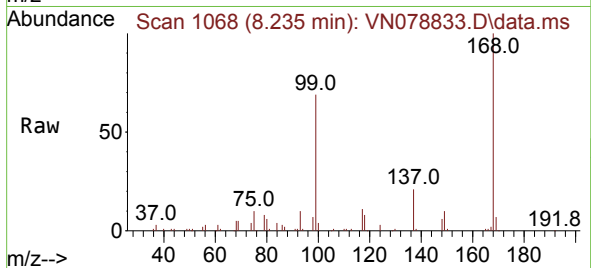
192 16.7 12.7 19.1



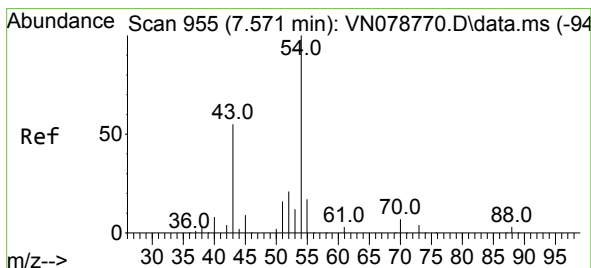
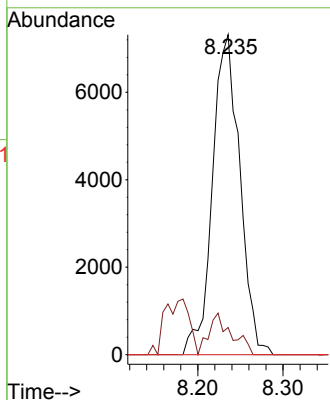
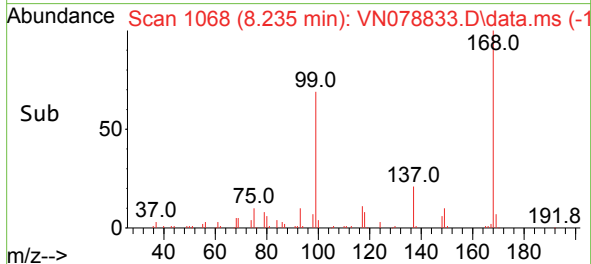


#36
1,1-Dichloropropene
Concen: 4.631 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Instrument :
MSVOA_N
ClientSampleId :

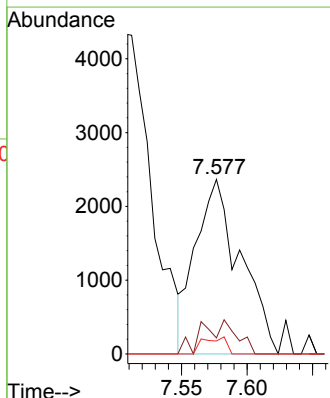
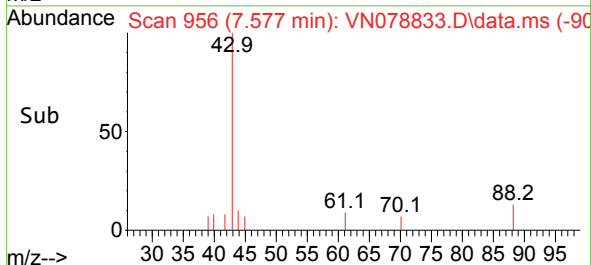
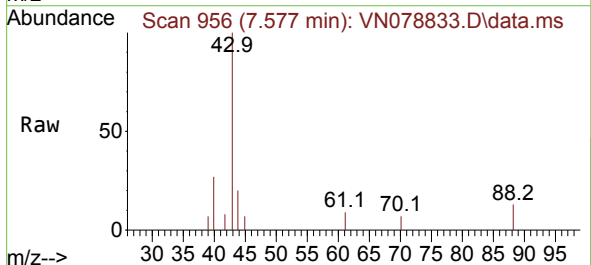


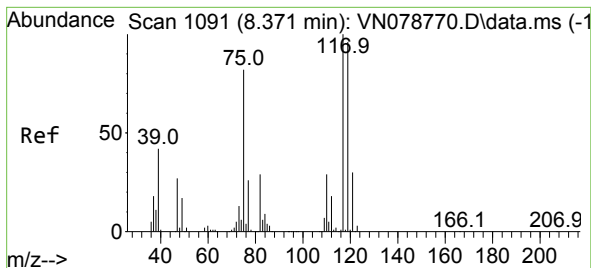
Tgt Ion: 75 Resp: 16331
Ion Ratio Lower Upper
75 100
110 10.7 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.502 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Tgt Ion: 43 Resp: 5633
Ion Ratio Lower Upper
43 100
61 7.6 13.2 19.8#
70 5.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.362 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

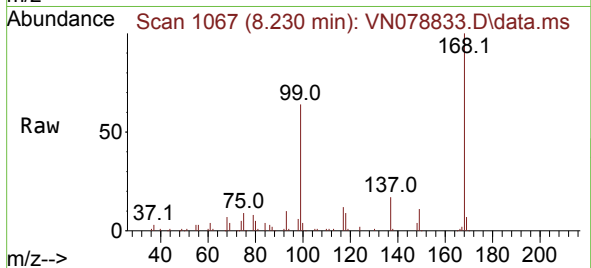
Lab File: VN078833.D

Acq: 10 Aug 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :



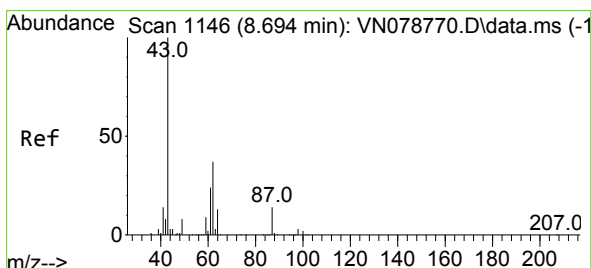
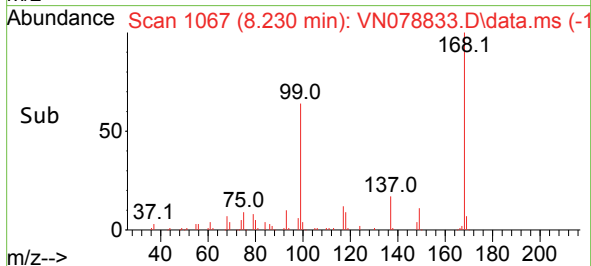
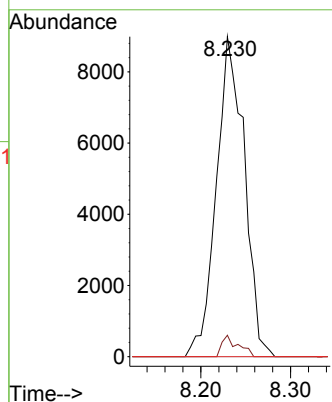
Tgt Ion:117 Resp: 19495

Ion Ratio Lower Upper

117 100

119 6.7 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 22.642 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078833.D

Acq: 10 Aug 2023 13:31

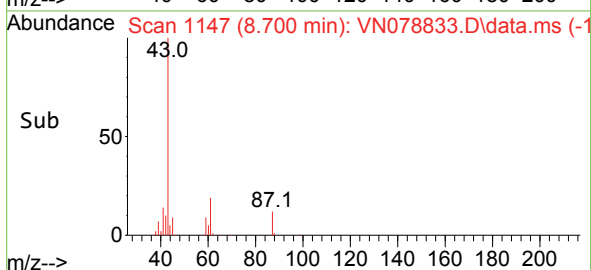
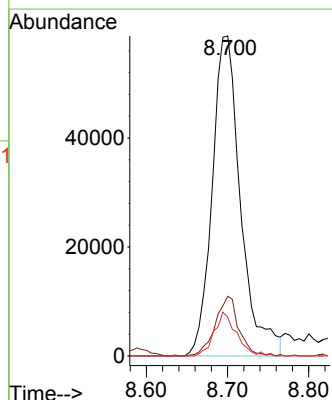
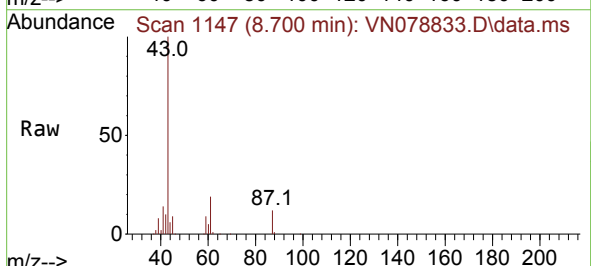
Tgt Ion: 43 Resp: 143148

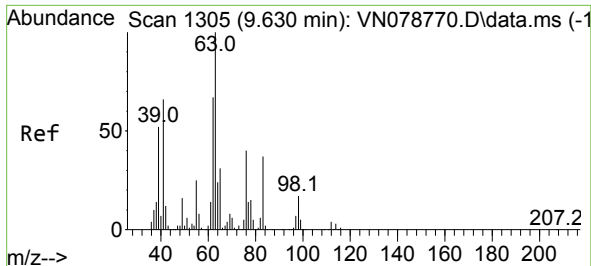
Ion Ratio Lower Upper

43 100

61 15.4 24.7 37.1#

87 10.7 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.418 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN078833.D

Acq: 10 Aug 2023 13:31

Instrument :

MSVOA_N

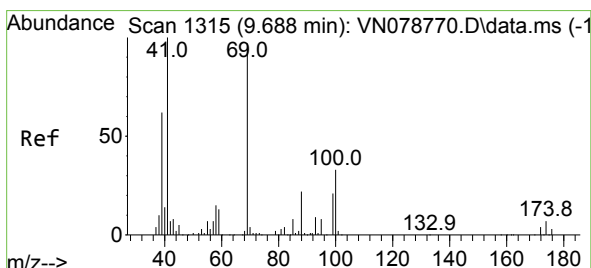
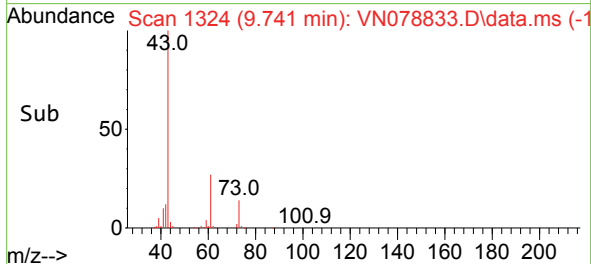
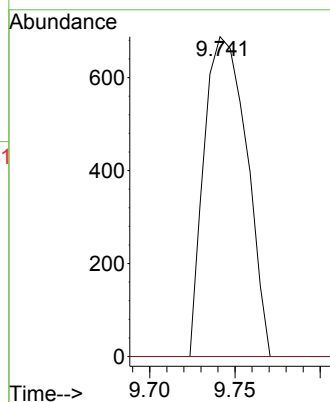
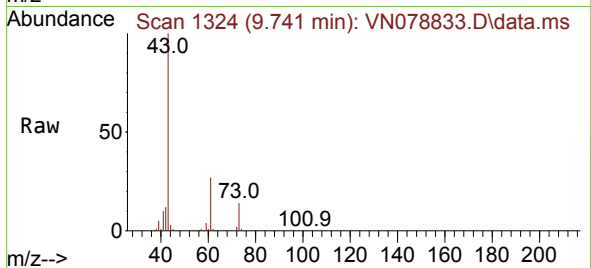
ClientSampleId :

Tgt Ion: 63 Resp: 1194

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.149 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.018 min

Lab File: VN078833.D

Acq: 10 Aug 2023 13:31

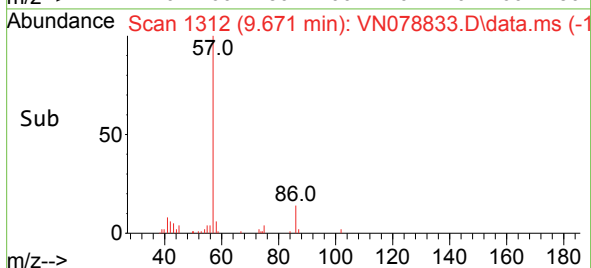
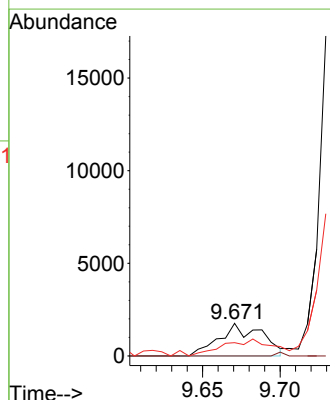
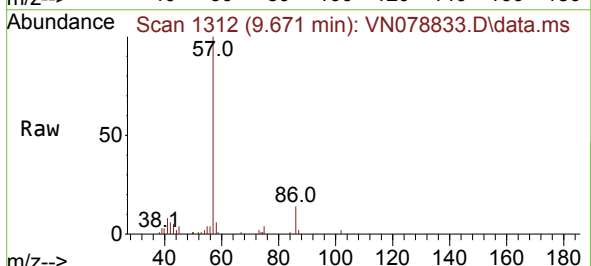
Tgt Ion: 41 Resp: 3355

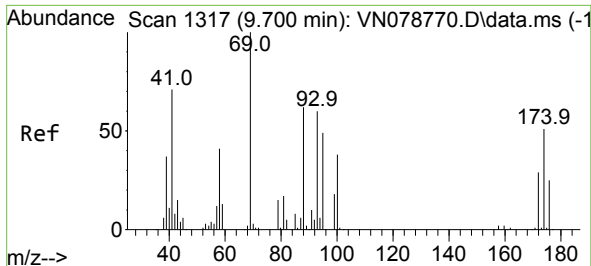
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 60.2 54.6 81.8





#49

1,4-Dioxane

Concen: 1.286 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.041 min

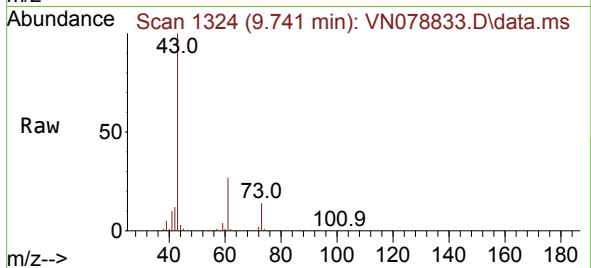
Lab File: VN078833.D

Acq: 10 Aug 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :



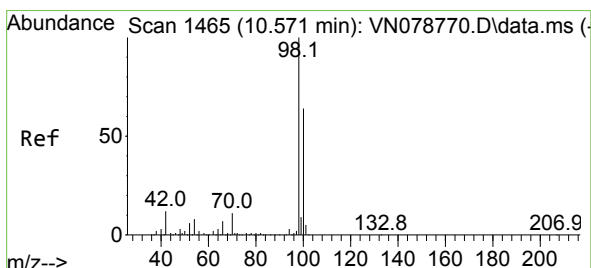
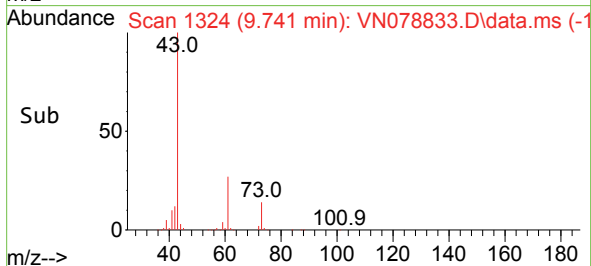
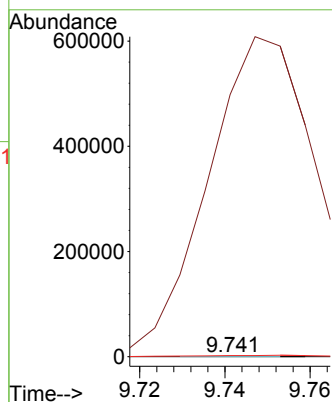
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 1843777.0 17.0 25.6#

58 9193.4 47.0 70.4#



#50

Toluene-d8

Concen: 51.111 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078833.D

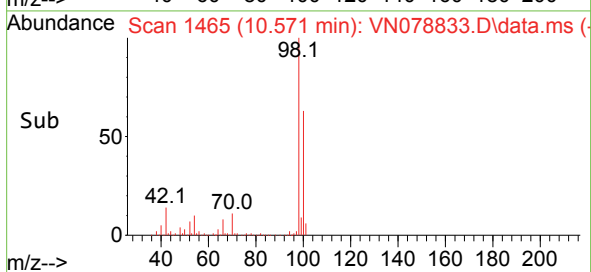
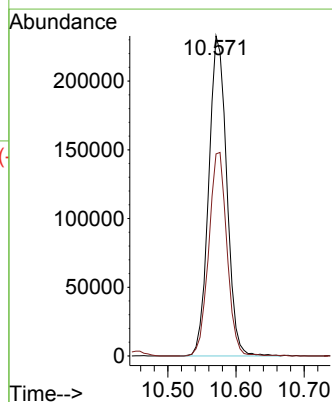
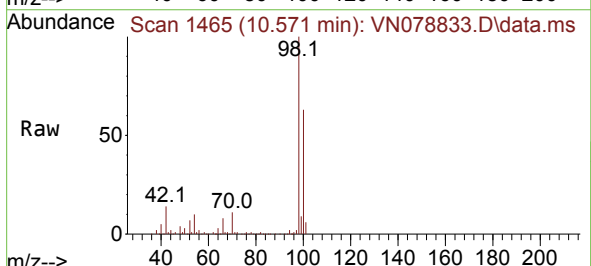
Acq: 10 Aug 2023 13:31

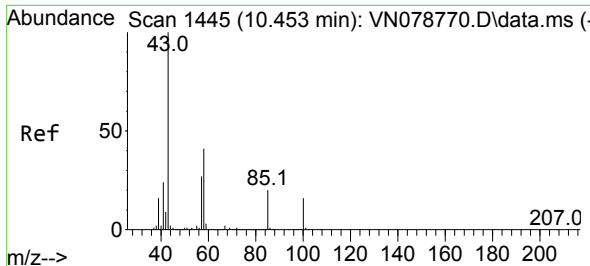
Tgt Ion: 98 Resp: 427575

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0

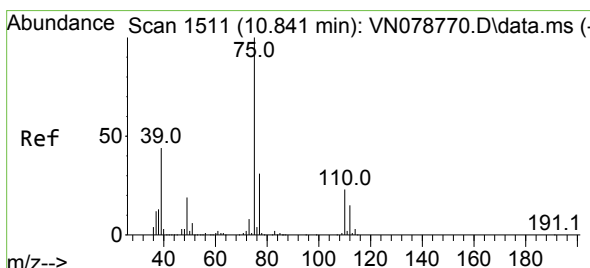
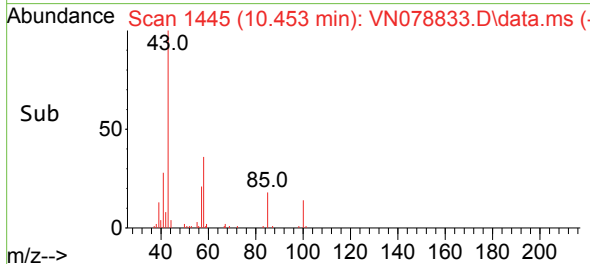
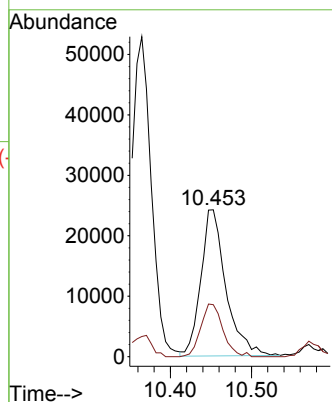
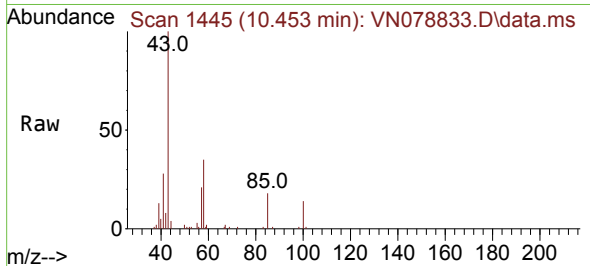




#51
4-Methyl-2-Pentanone
Concen: 13.419 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

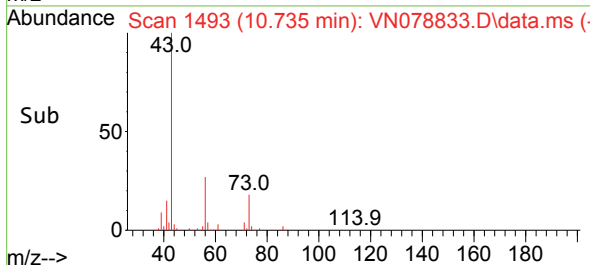
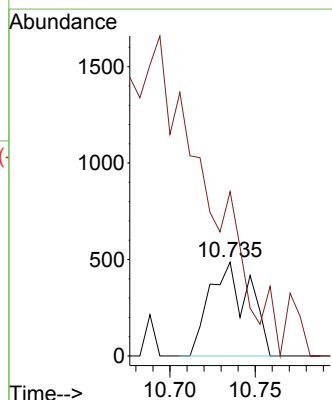
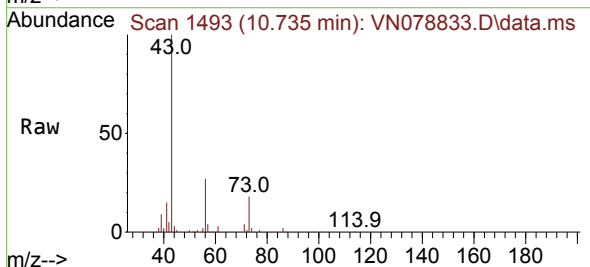
Instrument :
MSVOA_N
ClientSampleId :

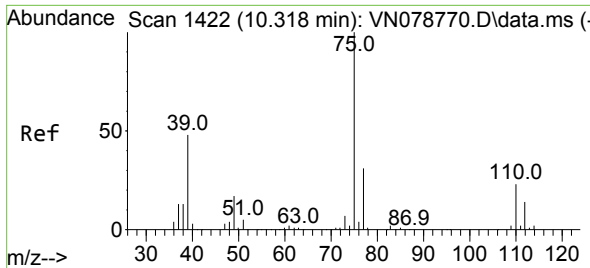
Tgt Ion: 43 Resp: 51962
Ion Ratio Lower Upper
43 100
58 31.8 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.203 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Tgt Ion: 75 Resp: 787
Ion Ratio Lower Upper
75 100
77 175.3 25.4 38.0#

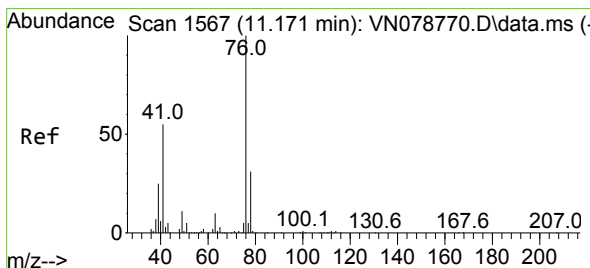
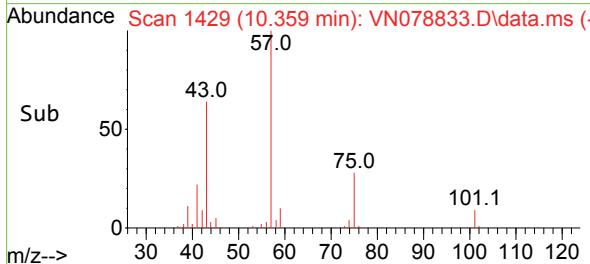
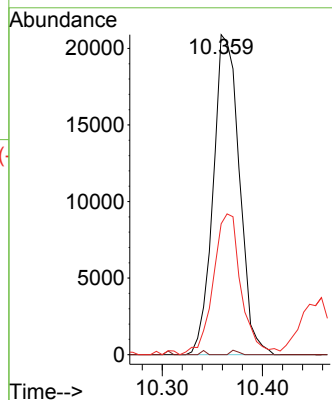
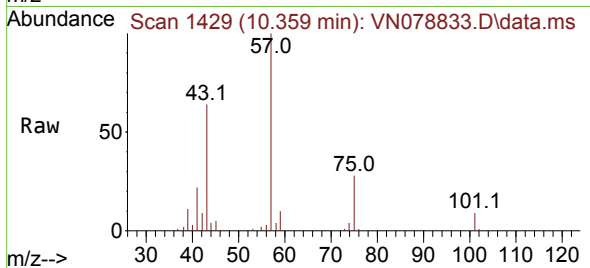




#54
 cis-1,3-Dichloropropene
 Concen: 9.017 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN078833.D
 Acq: 10 Aug 2023 13:31

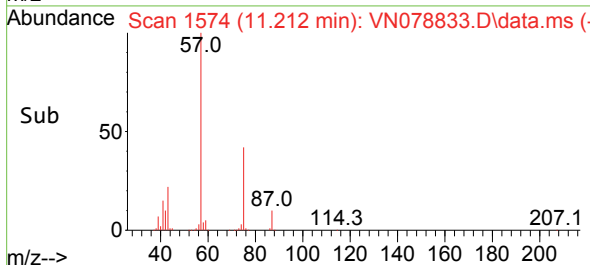
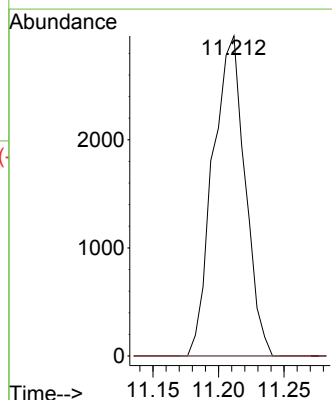
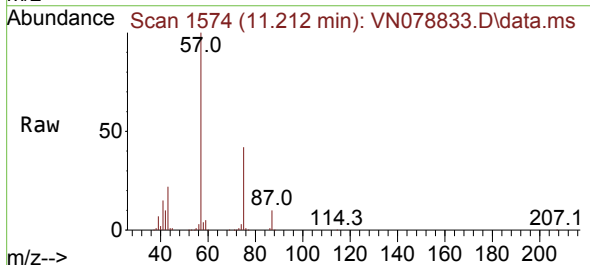
Instrument :
 MSVOA_N
 ClientSampleId :

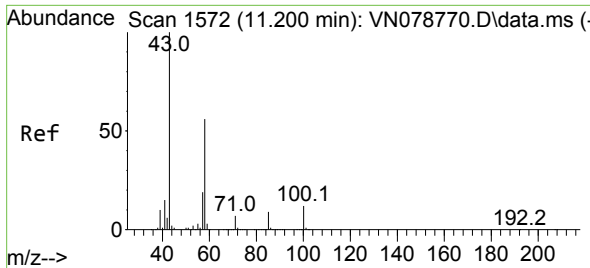
Tgt Ion: 75 Resp: 37919
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 40.9 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.123 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.041 min
 Lab File: VN078833.D
 Acq: 10 Aug 2023 13:31

Tgt Ion: 76 Resp: 5055
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

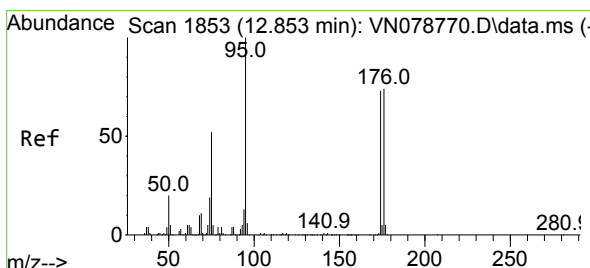
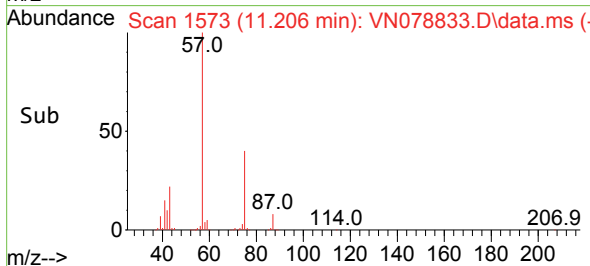
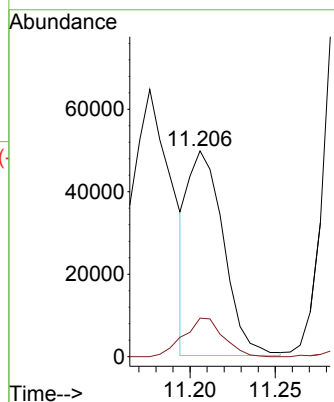
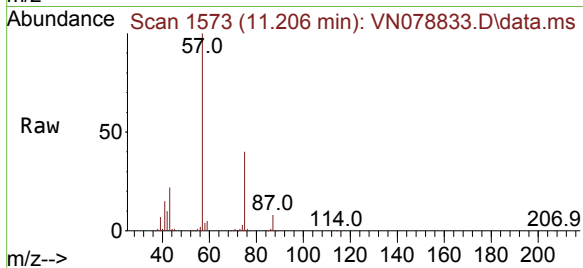




#59
2-Hexanone
Concen: 26.234 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

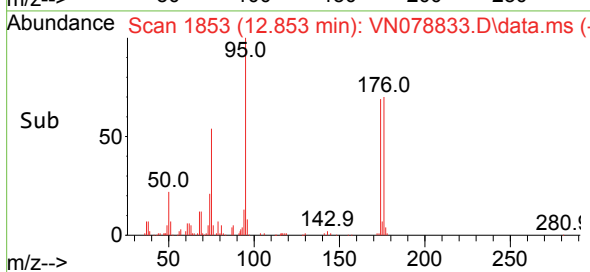
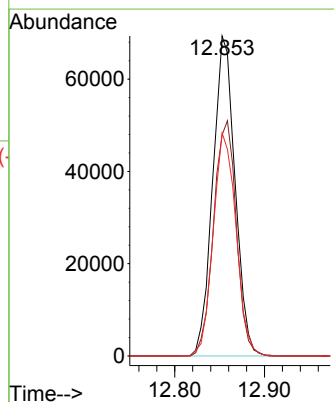
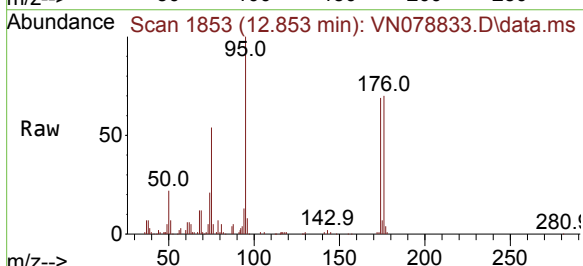
Instrument :
MSVOA_N
ClientSampleId :

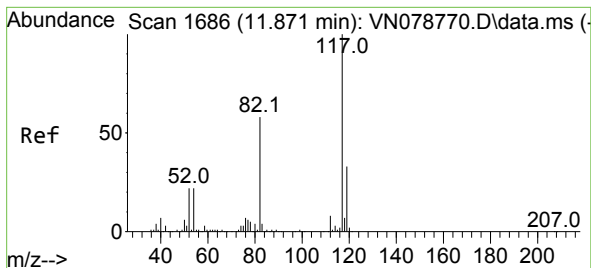
Tgt Ion: 43 Resp: 71934
Ion Ratio Lower Upper
43 100
58 21.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.740 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

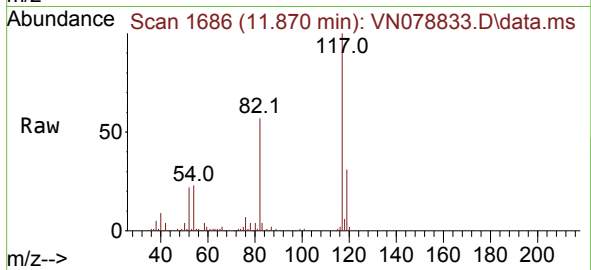
Tgt Ion: 95 Resp: 119358
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.6 0.0 135.8



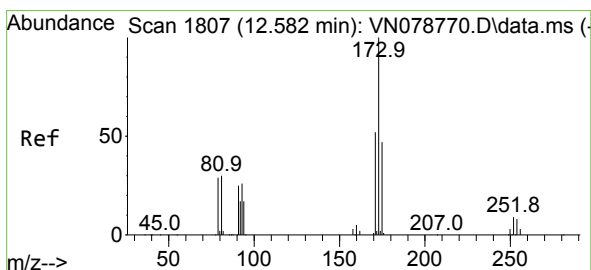
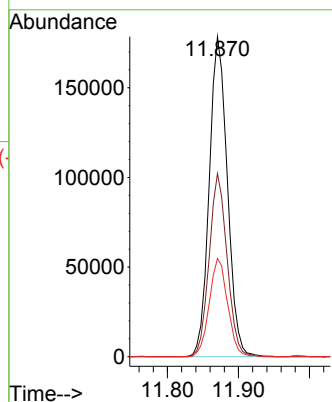
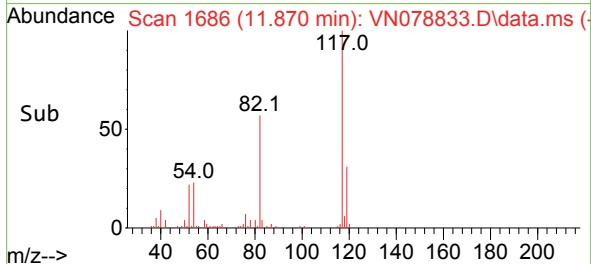


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Instrument :
MSVOA_N
ClientSampleId :

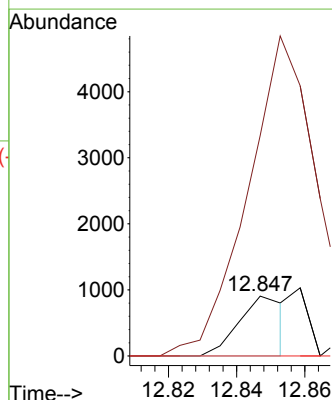
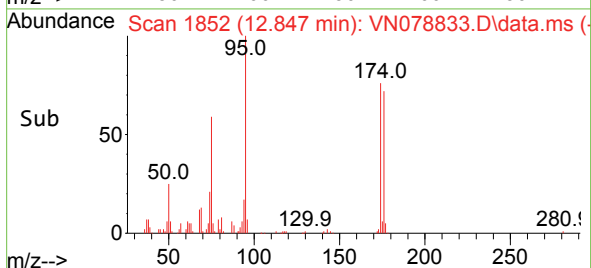
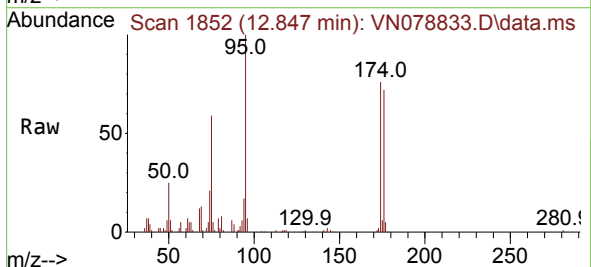


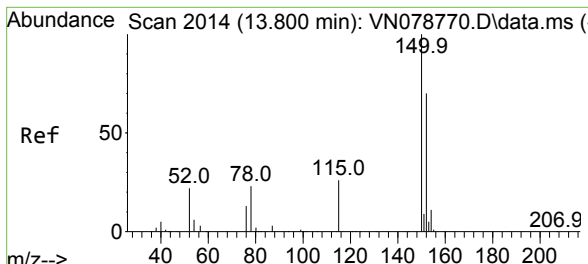
Tgt Ion:117 Resp: 316208
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 30.7 25.6 38.4



#71
Bromoform
Concen: 0.435 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

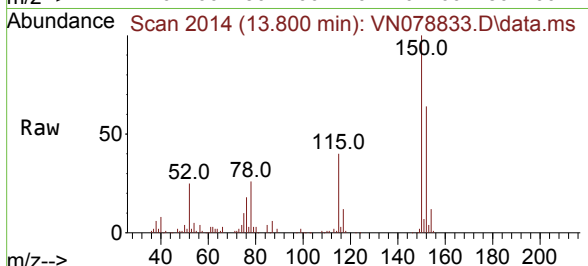
Tgt Ion:173 Resp: 846
Ion Ratio Lower Upper
173 100
175 651.3 24.3 73.0#
254 0.0 0.0 0.0



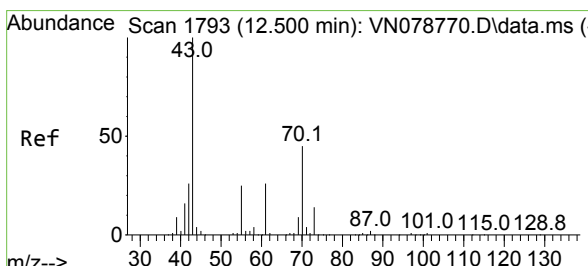
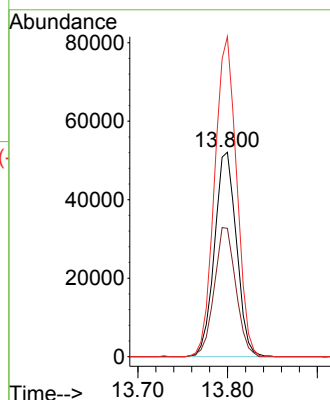
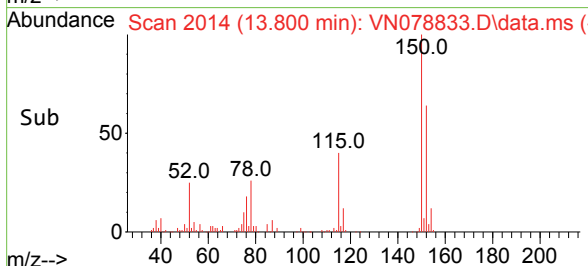


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078833.D
 Acq: 10 Aug 2023 13:31

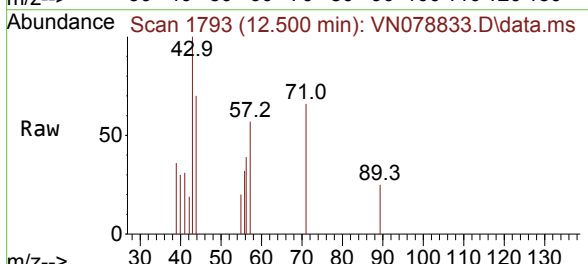
Instrument :
 MSVOA_N
 ClientSampleId :



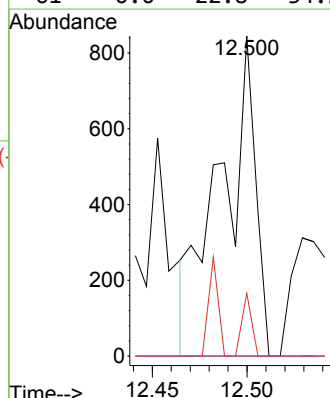
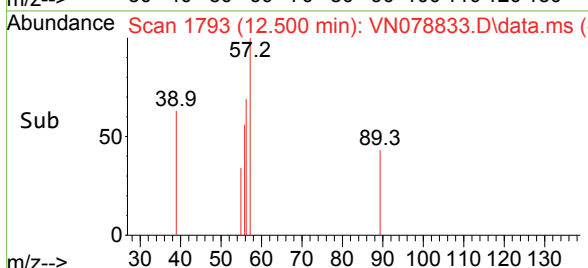
Tgt Ion:152 Resp: 88610
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.3 96.8
 150 156.4 0.0 355.8

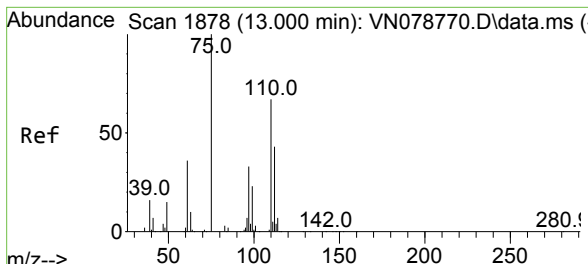


#74
 N-ethyl acetate
 Concen: 0.274 ug/l
 RT: 12.500 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: VN078833.D
 Acq: 10 Aug 2023 13:31



Tgt Ion: 43 Resp: 1083
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 5.4 21.4 32.0#
 61 0.0 22.8 34.2#

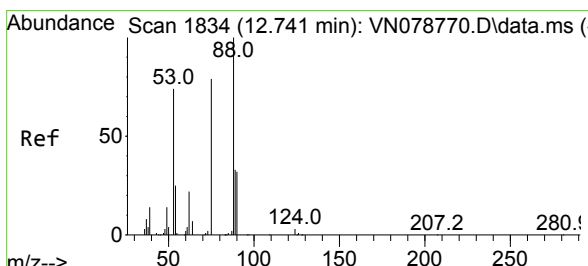
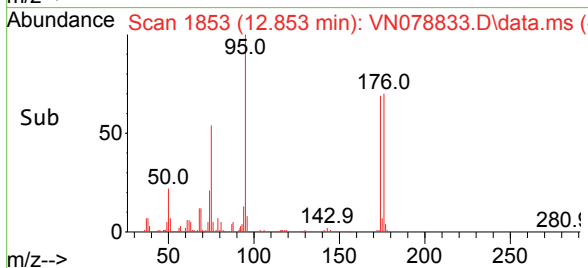
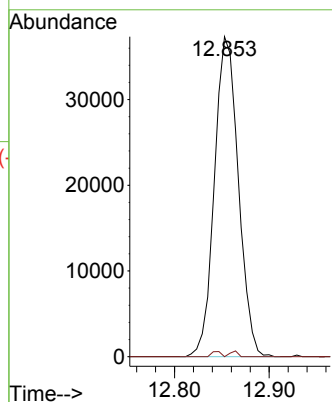
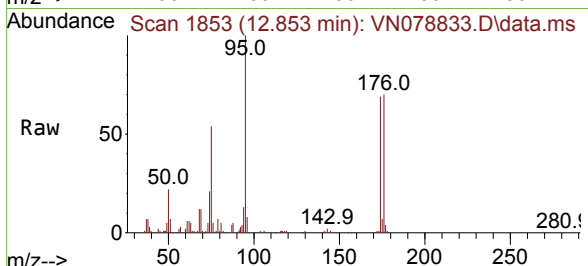




#76
1,2,3-Trichloropropane
Concen: 27.357 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 65540
Ion Ratio Lower Upper
75 100
77 0.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.409 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078833.D
Acq: 10 Aug 2023 13:31

Tgt Ion: 75 Resp: 65540
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

