

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078847.D
 Acq On : 10 Aug 2023 19:10
 Operator : JC\MD
 Sample : PB154726ZHE#18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:56:19 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

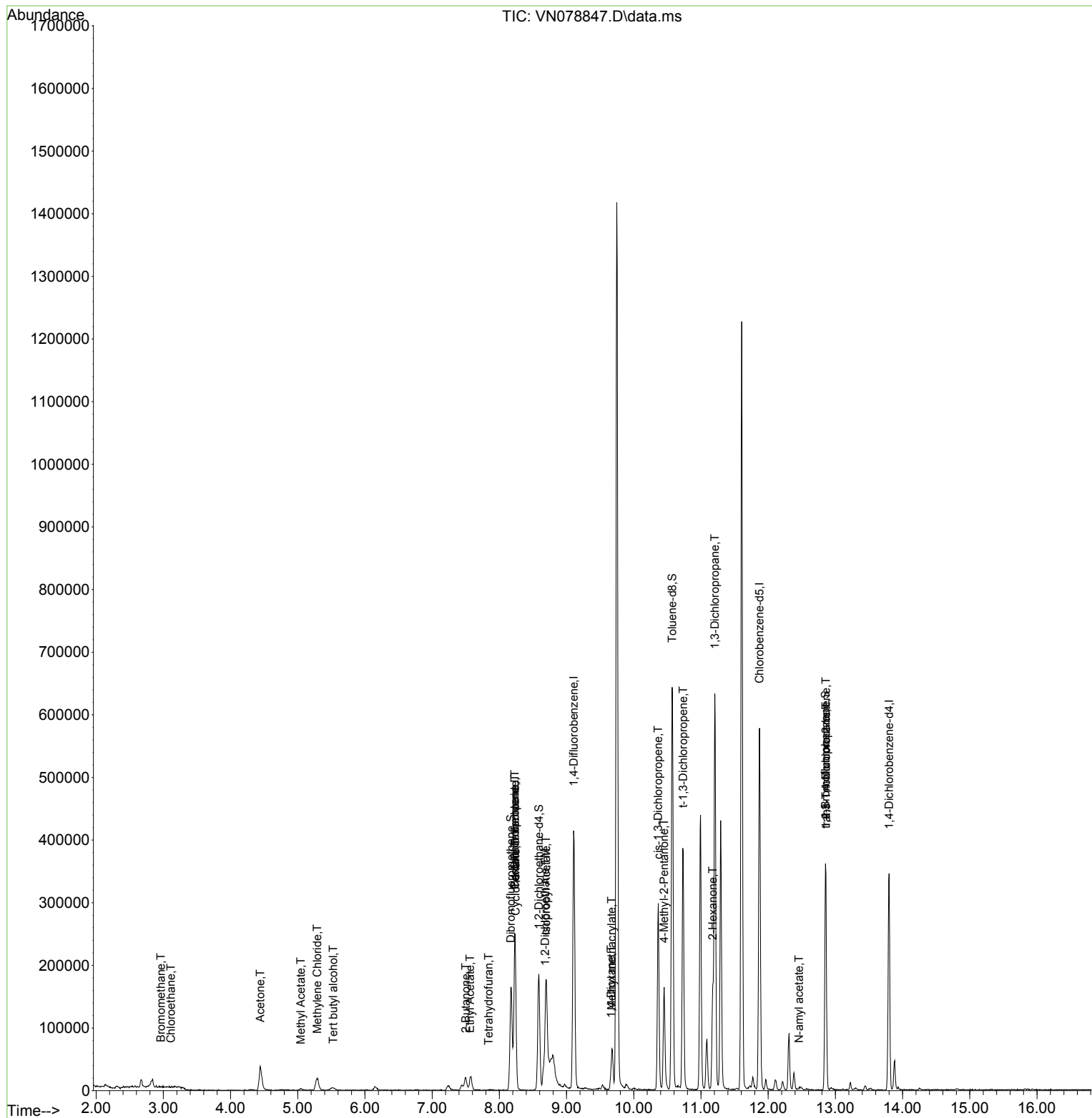
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	169510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	344511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	313396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	86798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	142718	56.161	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.320%	
35) Dibromofluoromethane	8.171	113	114429	49.185	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.360%	
50) Toluene-d8	10.571	98	437331	51.081	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	12.853	95	117113	45.770	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.540%	
Target Compounds						Qvalue
5) Bromomethane	2.965	94	425	0.218	ug/l #	46
6) Chloroethane	3.112	64	474	0.262	ug/l #	43
11) Tert butyl alcohol	5.530	59	2662	5.969	ug/l #	72
16) Acetone	4.442	43	67909	69.454	ug/l	95
18) Methyl Acetate	5.047	43	3471	0.790	ug/l #	42
20) Methylene Chloride	5.289	84	14142	5.840	ug/l #	76
25) 2-Butanone	7.500	43	32451	19.600	ug/l #	77
29) Tetrahydrofuran	7.841	42	340	0.307	ug/l #	20
31) Cyclohexane	8.241	56	5219	1.398	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	16203	4.489	ug/l #	47
37) Ethyl Acetate	7.565	43	35166	9.164	ug/l #	89
38) Carbon Tetrachloride	8.230	117	19218	5.165	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	1422	0.362	ug/l #	73
43) Isopropyl Acetate	8.694	43	245799	37.990	ug/l #	69
48) Methyl methacrylate	9.671	41	5355	1.791	ug/l #	31
49) 1,4-Dioxane	9.665	88	166	3.419	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	117439	29.633	ug/l #	83
53) t-1,3-Dichloropropene	10.735	75	904	0.228	ug/l #	68
54) cis-1,3-Dichloropropene	10.365	75	49516	11.505	ug/l #	72
57) 1,3-Dichloropropane	11.206	76	6196	1.345	ug/l #	42
59) 2-Hexanone	11.177	43	137551	49.017	ug/l #	19
74) N-amyl acetate	12.459	43	1100	0.284	ug/l #	48
76) 1,2,3-Trichloropropane	12.859	75	66562	28.364	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	66562	76.110	ug/l #	15

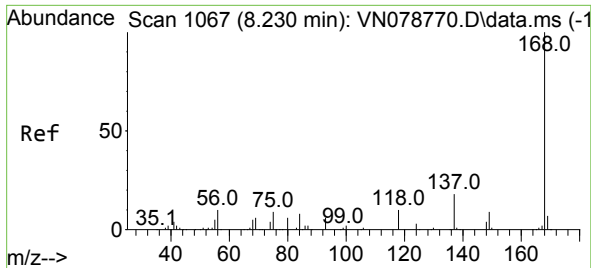
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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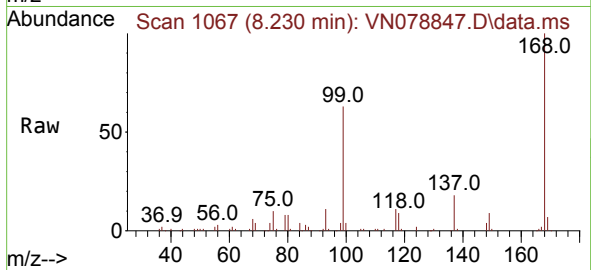
Quant Time: Aug 10 23:56:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 05:03:52 2023
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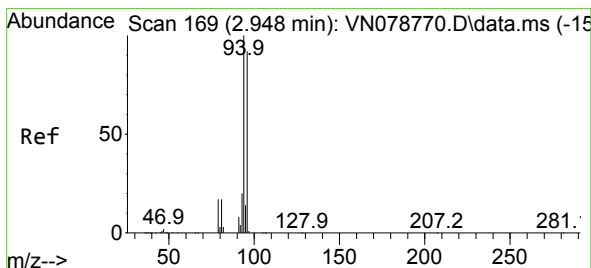
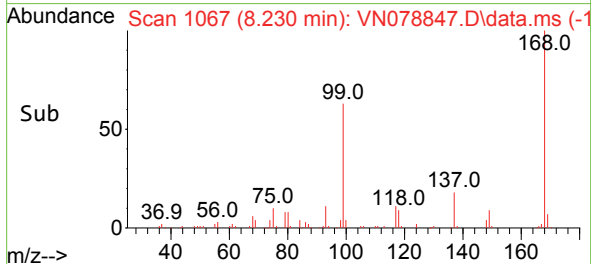
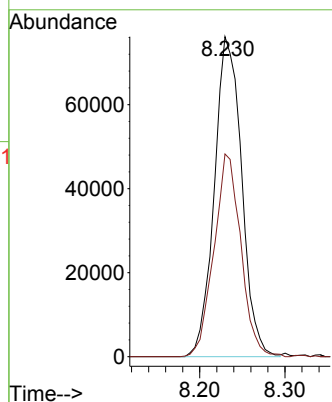


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Instrument :
MSVOA_N
ClientSampleId :

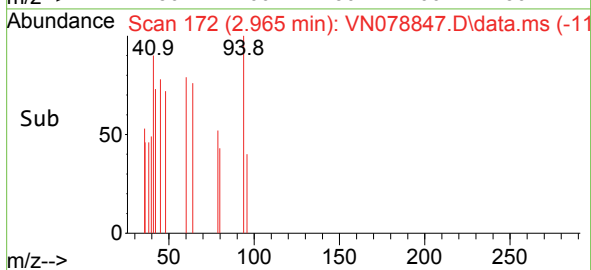
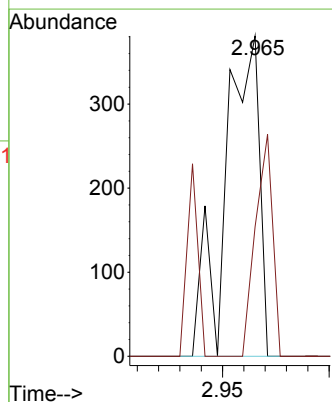
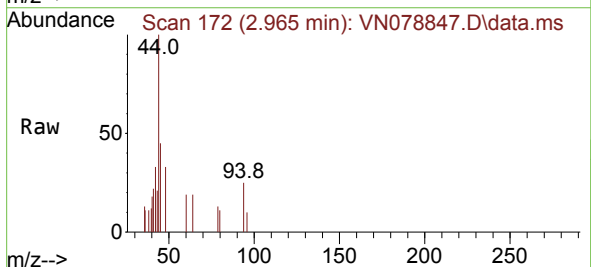


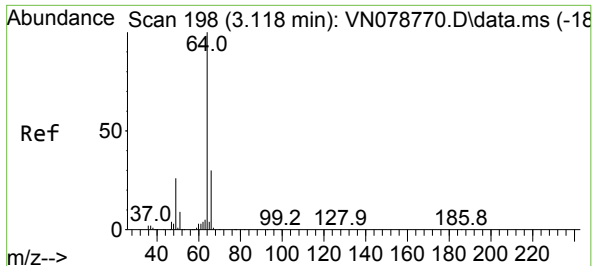
Tgt Ion:168 Resp: 169510
Ion Ratio Lower Upper
168 100
99 63.4 53.0 79.6



#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Tgt Ion: 94 Resp: 425
Ion Ratio Lower Upper
94 100
96 40.4 73.1 109.7#

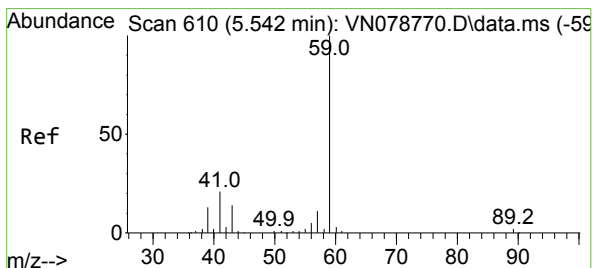
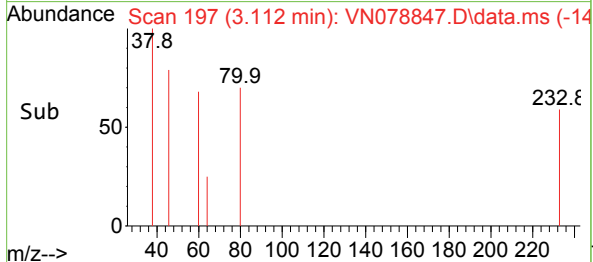
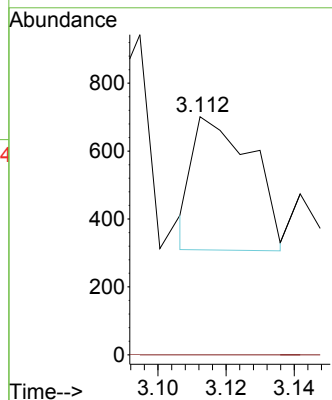
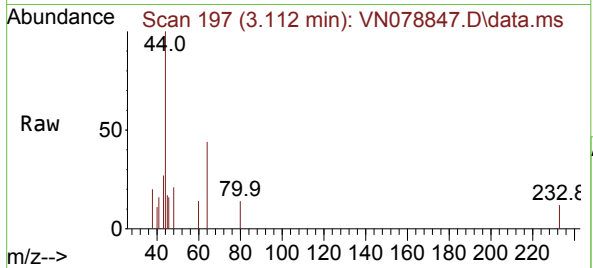




#6
Chloroethane
Concen: 0.262 ug/l
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

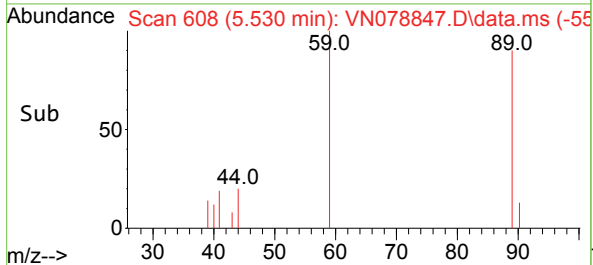
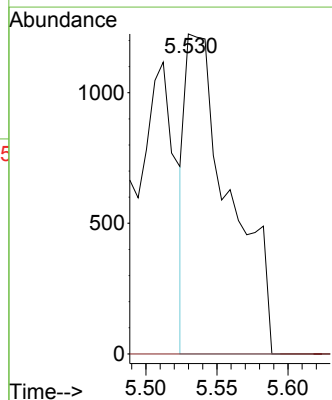
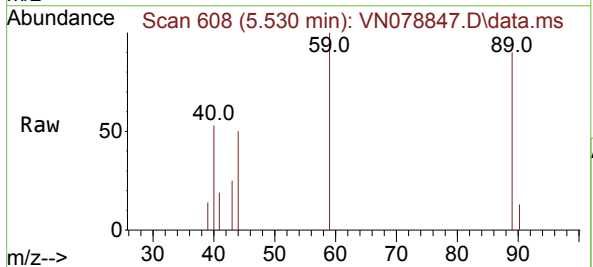
Instrument :
MSVOA_N
ClientSampleId :

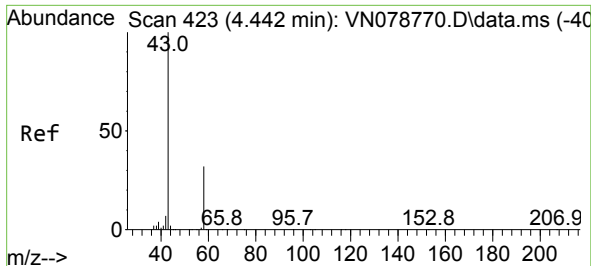
Tgt Ion: 64 Resp: 474
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 5.969 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

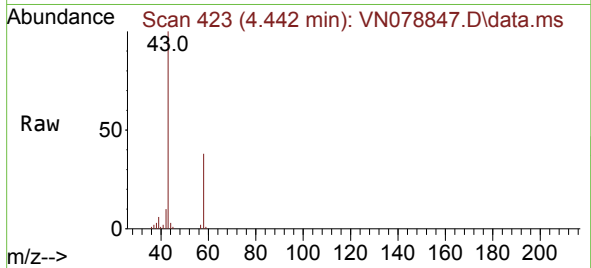
Tgt Ion: 59 Resp: 2662
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



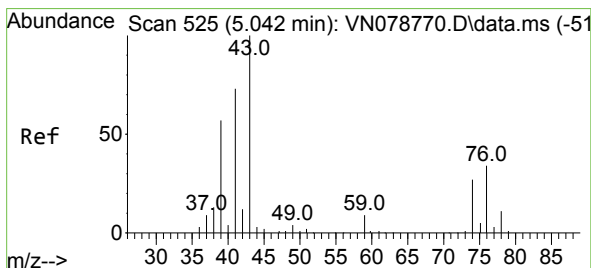
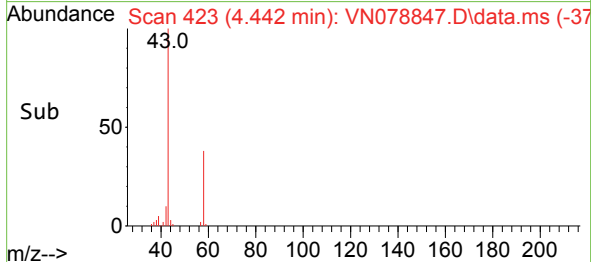
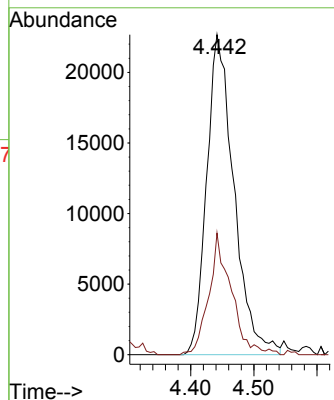


#16
Acetone
Concen: 69.454 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Instrument :
MSVOA_N
ClientSampleId :

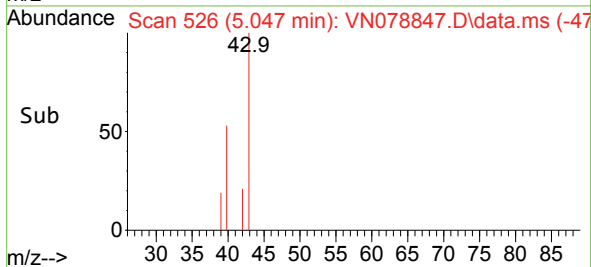
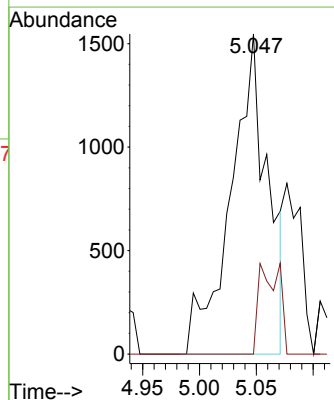
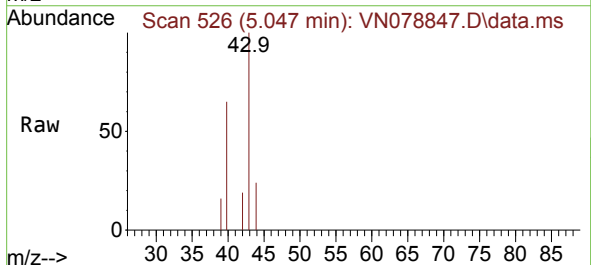


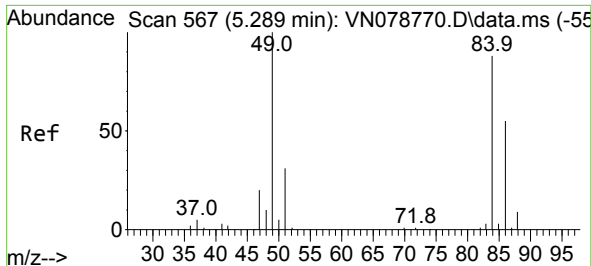
Tgt Ion: 43 Resp: 67909
Ion Ratio Lower Upper
43 100
58 38.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.790 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

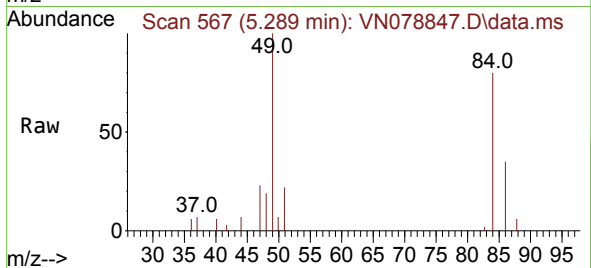
Tgt Ion: 43 Resp: 3471
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#





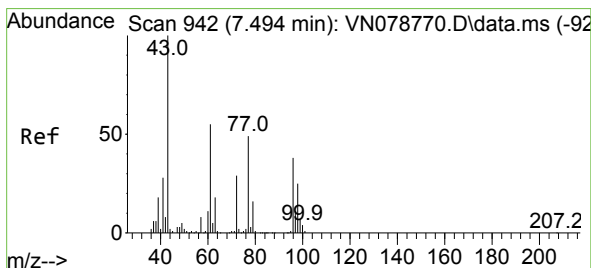
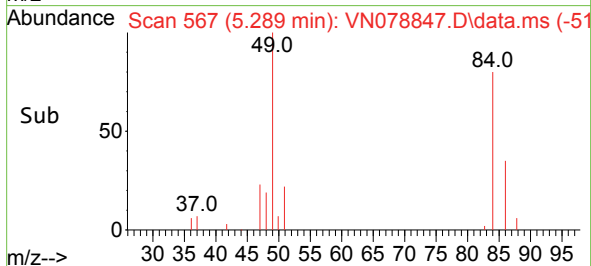
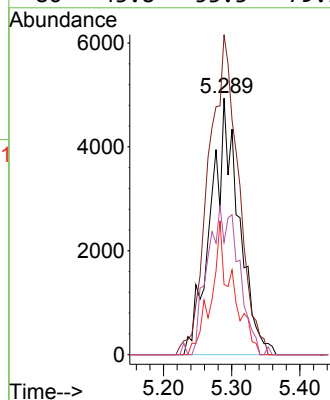
#20
Methylene Chloride
Concen: 5.840 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 14142

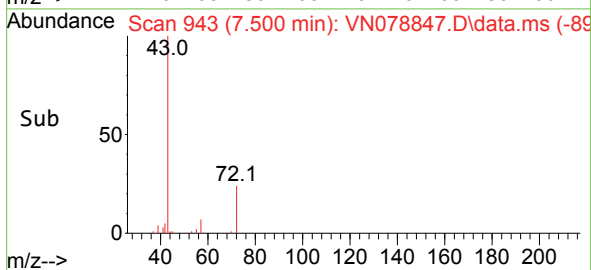
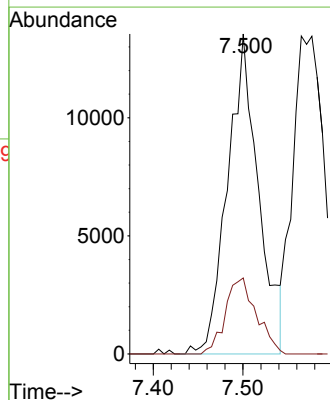
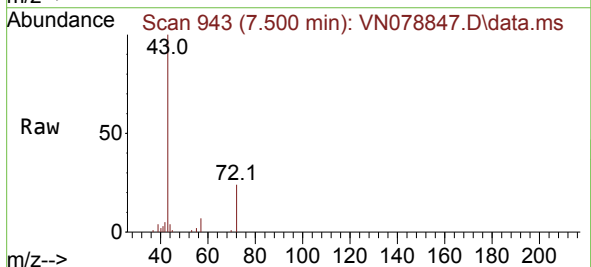
Ion	Ratio	Lower	Upper
84	100		
49	124.8	79.7	119.5#
51	27.4	25.2	37.8
86	43.8	53.3	79.9#

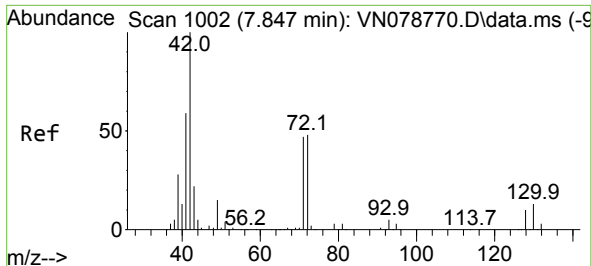


#25
2-Butanone
Concen: 19.600 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Tgt Ion: 43 Resp: 32451

Ion	Ratio	Lower	Upper
43	100		
72	23.8	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.307 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. -0.006 min

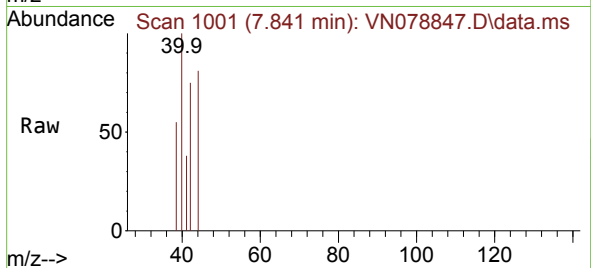
Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

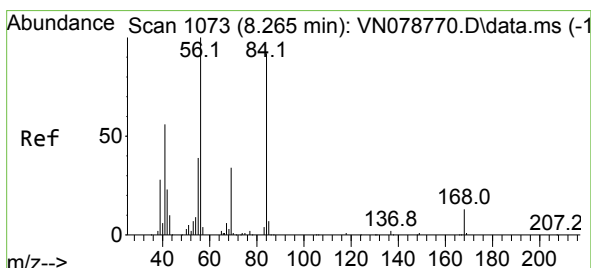
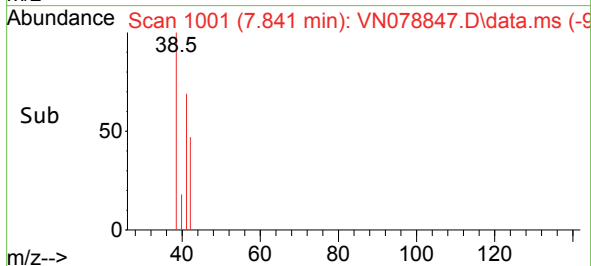
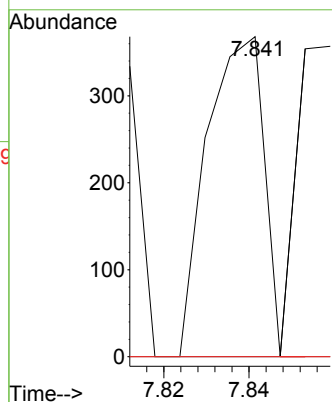
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 340
Ion Ratio	Lower Upper
42	100
72	0.0 49.8 74.6#
71	0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.398 ug/l

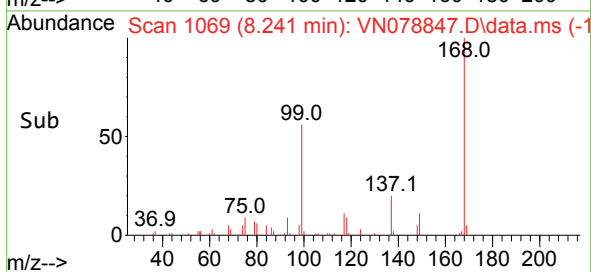
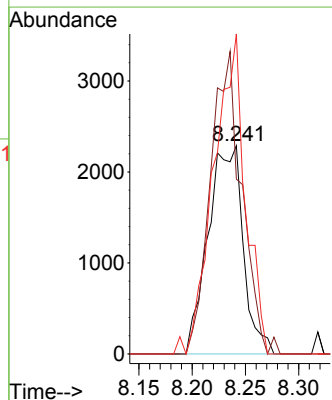
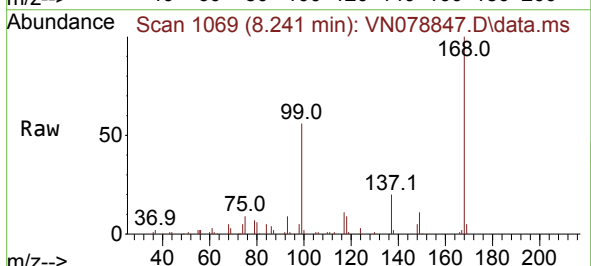
RT: 8.241 min Scan# 1069

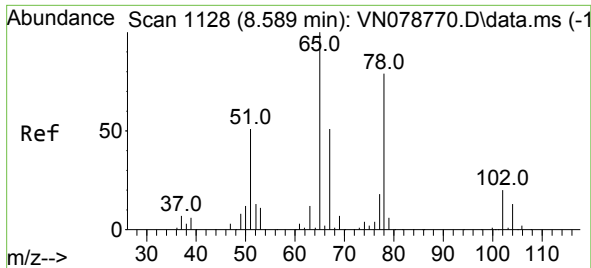
Delta R.T. -0.024 min

Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

Tgt Ion: 56	Resp: 5219
Ion Ratio	Lower Upper
56	100
69	84.0 26.8 40.2#
84	153.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 56.161 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

Instrument :

MSVOA_N

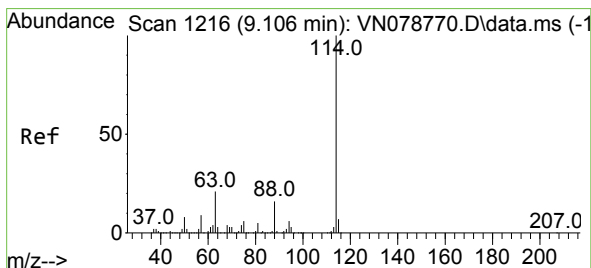
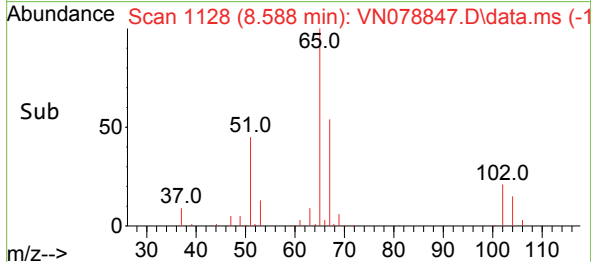
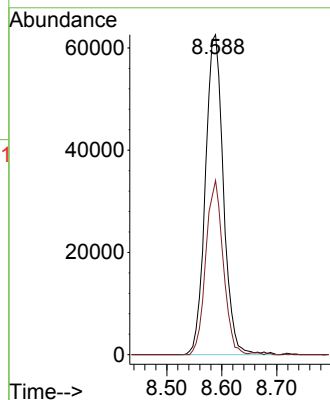
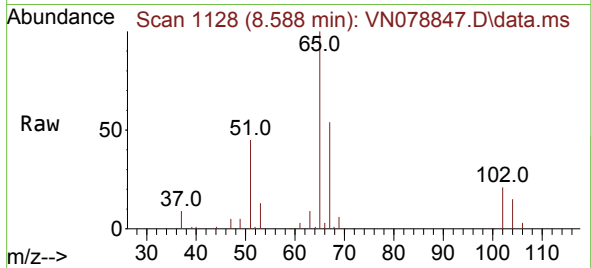
ClientSampleId :

Tgt Ion: 65 Resp: 142718

Ion Ratio Lower Upper

65 100

67 52.3 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: VN078847.D

Acq: 10 Aug 2023 19:10

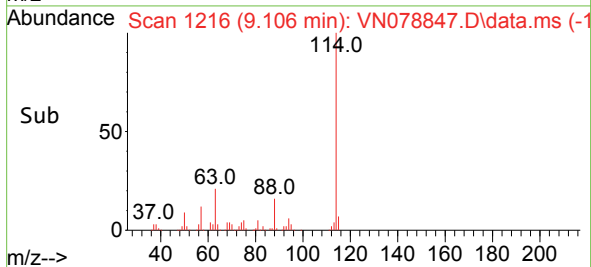
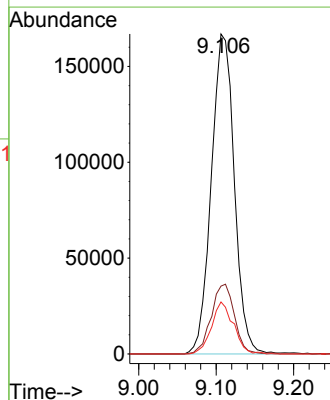
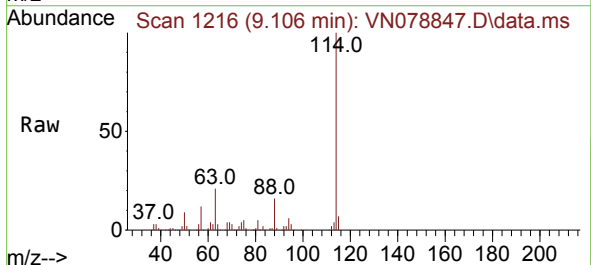
Tgt Ion: 114 Resp: 344511

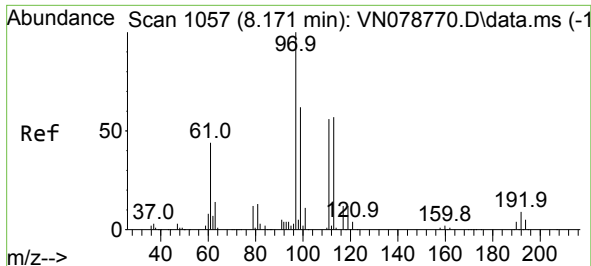
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

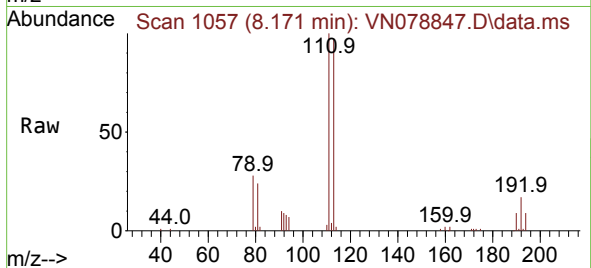
88 16.3 0.0 30.6



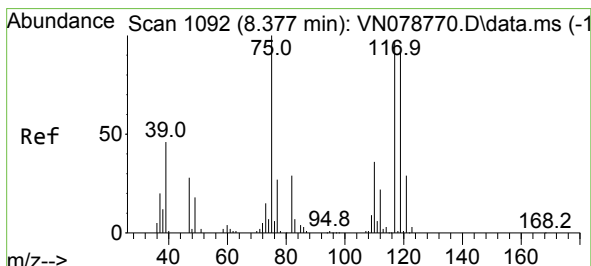
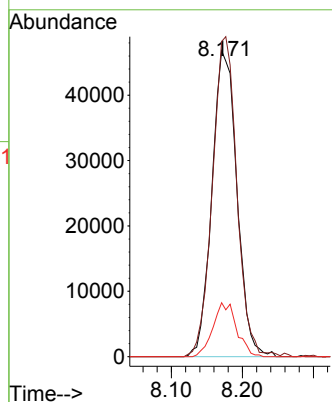
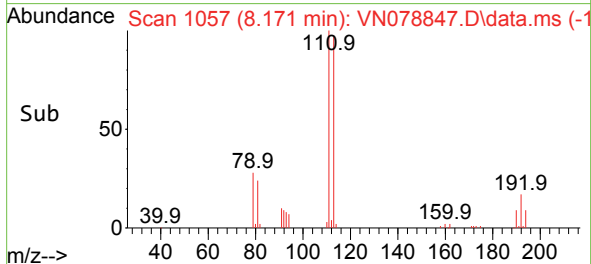


#35
Dibromofluoromethane
Concen: 49.185 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Instrument :
MSVOA_N
ClientSampleId :

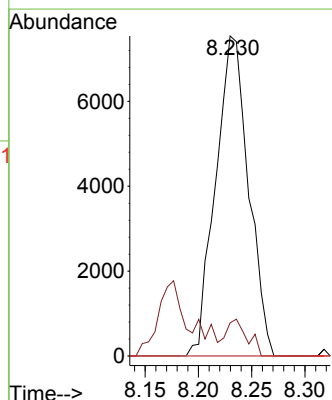
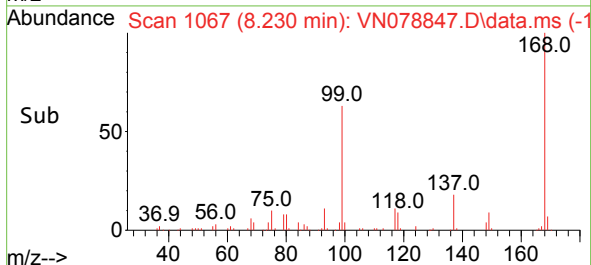
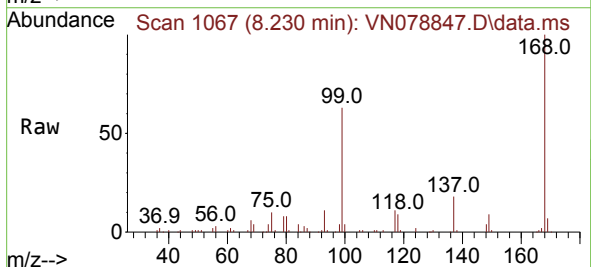


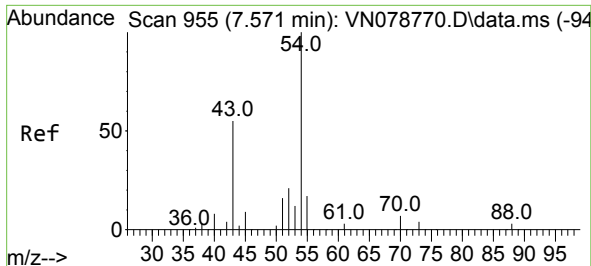
Tgt Ion:113 Resp: 114429
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.489 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Tgt Ion: 75 Resp: 16203
Ion Ratio Lower Upper
75 100
110 7.5 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 9.164 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

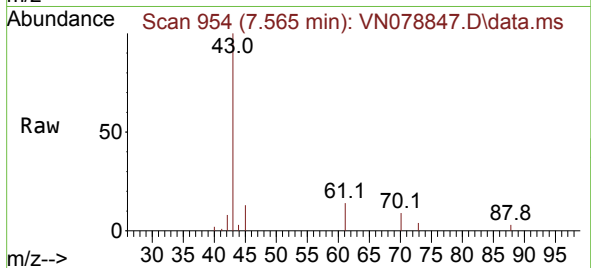
Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

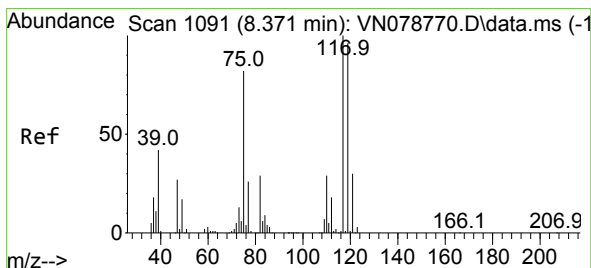
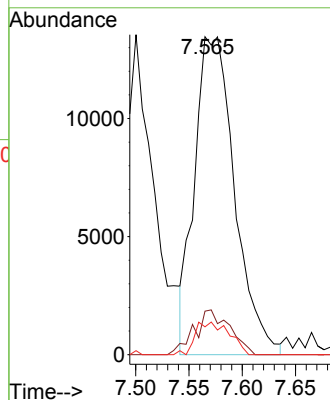
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	35166
Ion Ratio	Lower	Upper	
43	100		
61	12.5	13.2	19.8#
70	8.8	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.165 ug/l

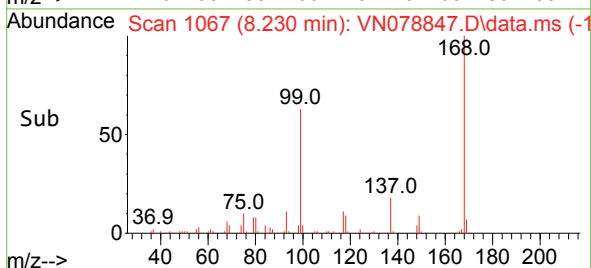
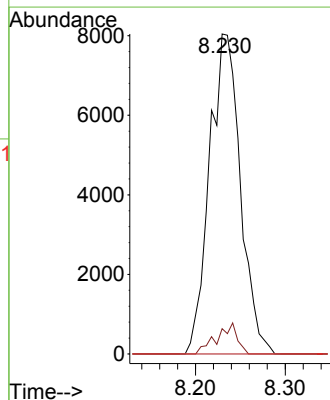
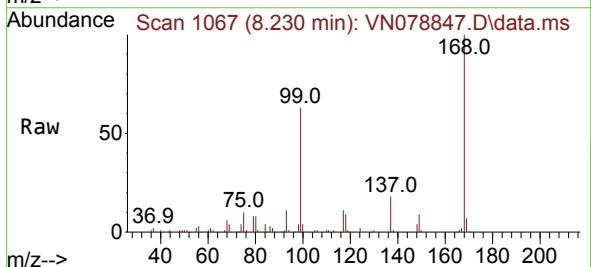
RT: 8.230 min Scan# 1067

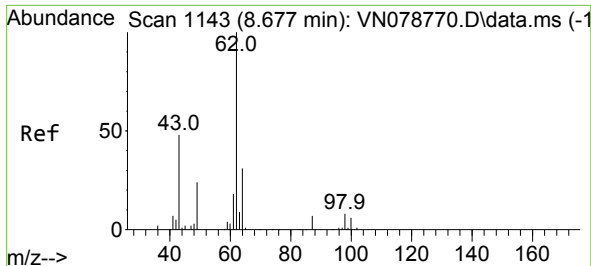
Delta R.T. -0.141 min

Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

Tgt Ion:	117	Resp:	19218
Ion Ratio	Lower	Upper	
117	100		
119	7.9	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.362 ug/l

RT: 8.683 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

Instrument :

MSVOA_N

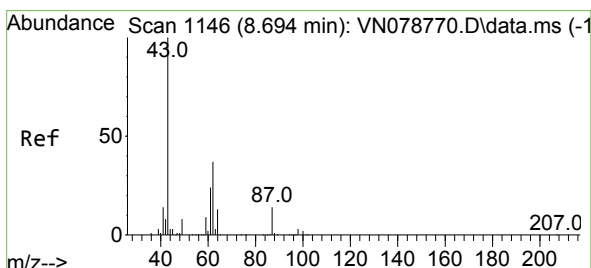
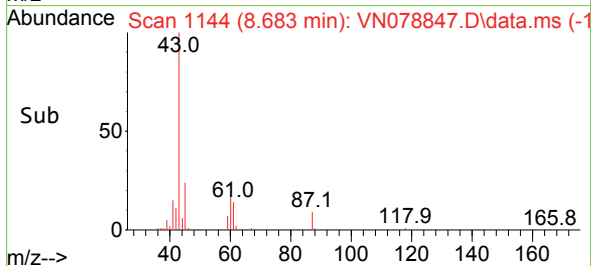
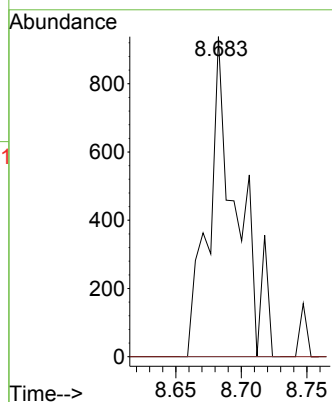
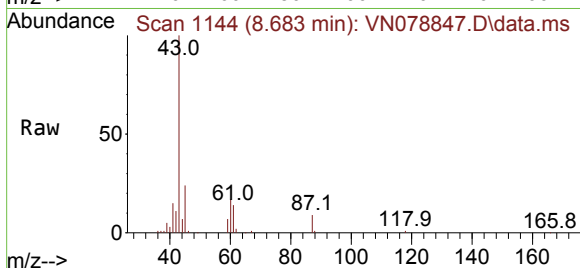
ClientSampleId :

Tgt Ion: 62 Resp: 1422

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 37.990 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

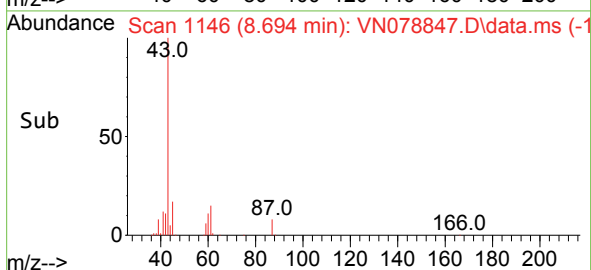
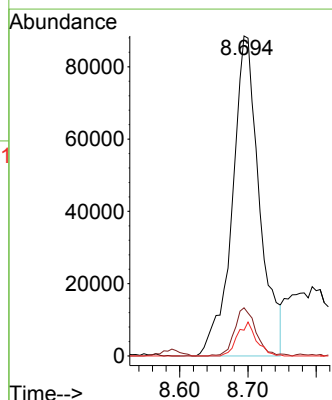
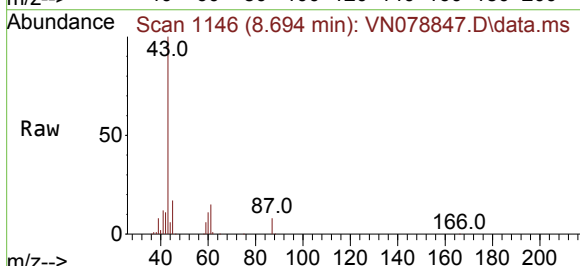
Tgt Ion: 43 Resp: 245799

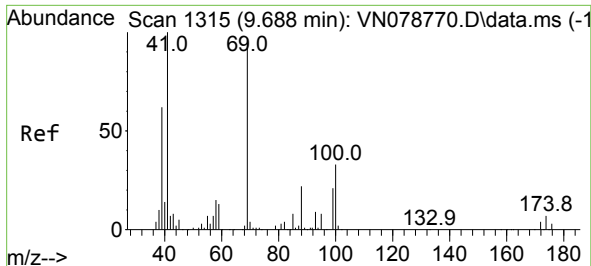
Ion Ratio Lower Upper

43 100

61 11.9 24.7 37.1#

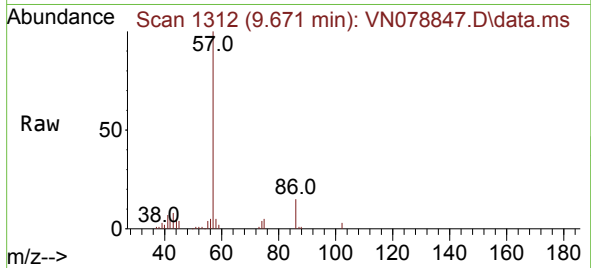
87 7.4 14.6 21.8#



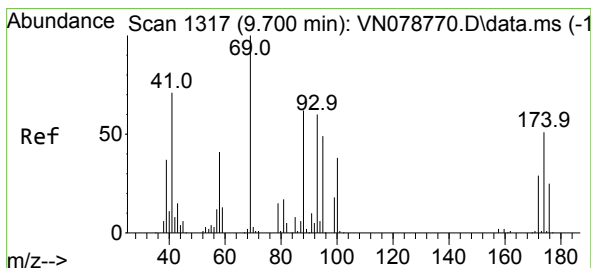
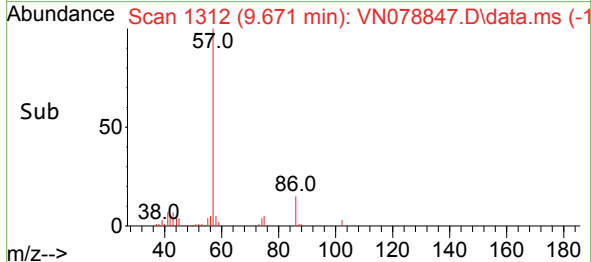
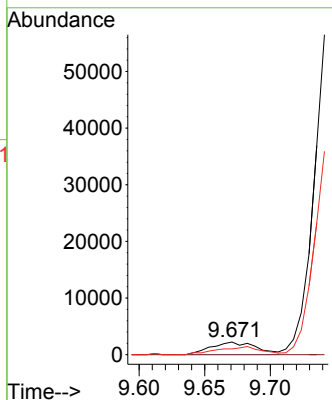


#48
Methyl methacrylate
Concen: 1.791 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Instrument :
MSVOA_N
ClientSampleId :

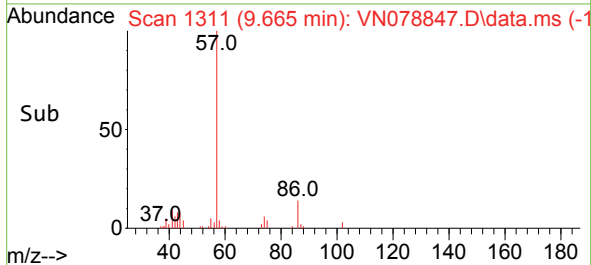
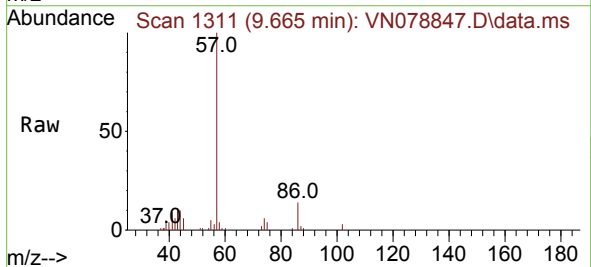
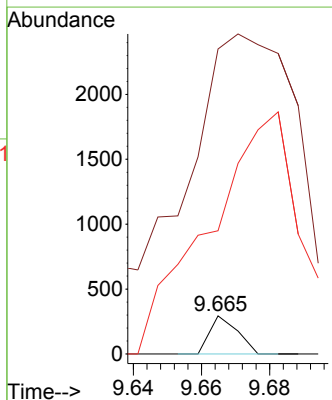


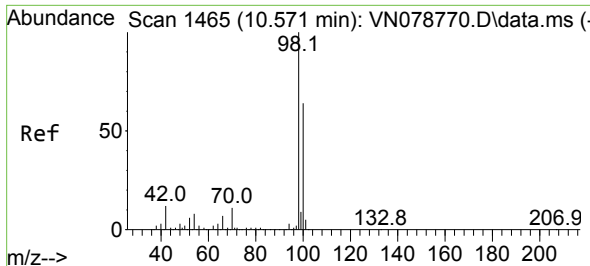
Tgt Ion: 41 Resp: 5355
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 61.0 54.6 81.8



#49
1,4-Dioxane
Concen: 3.419 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.035 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 2205.4 47.0 70.4#

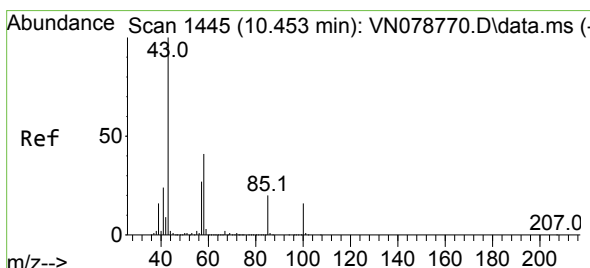
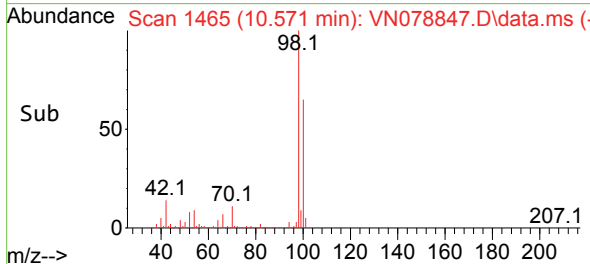
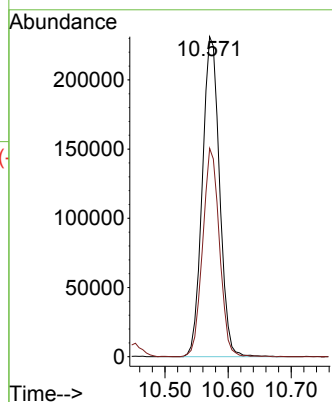
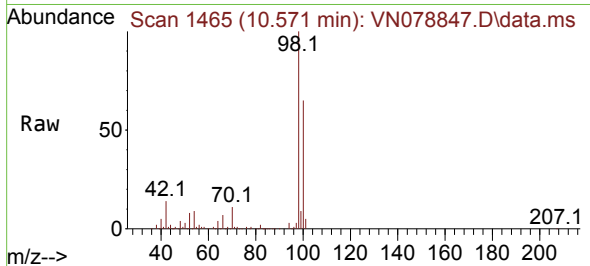




#50
Toluene-d8
Concen: 51.081 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

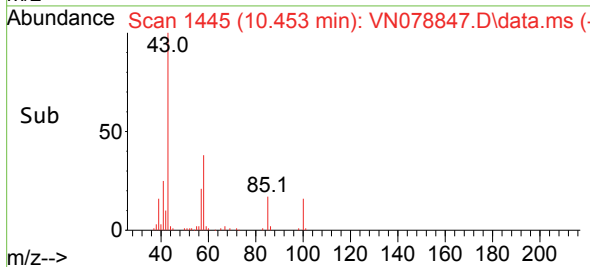
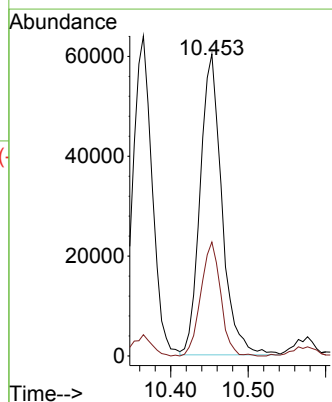
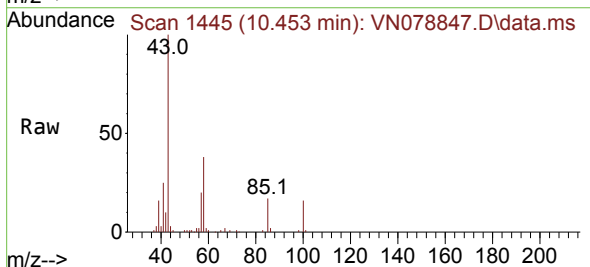
Instrument :
MSVOA_N
ClientSampleId :

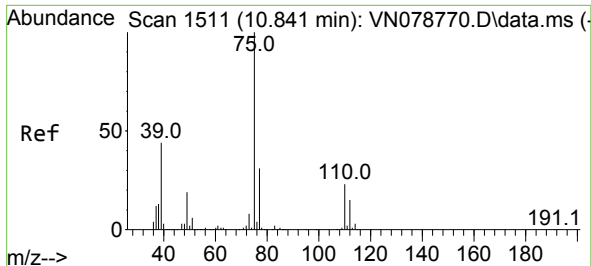
Tgt Ion: 98 Resp: 437331
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 29.633 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Tgt Ion: 43 Resp: 117439
Ion Ratio Lower Upper
43 100
58 34.5 36.6 54.8#

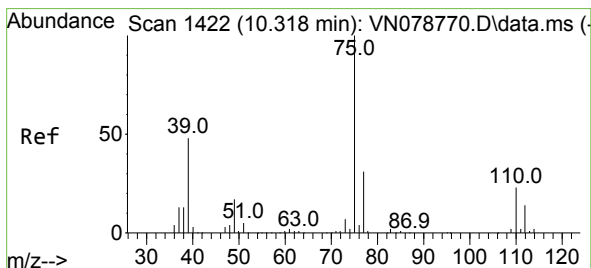
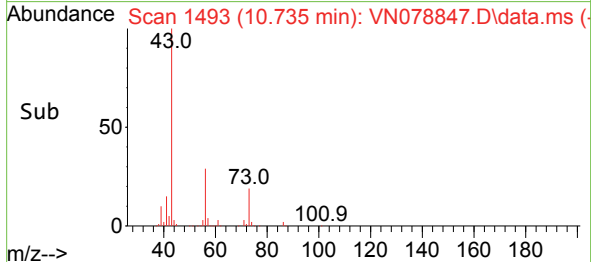
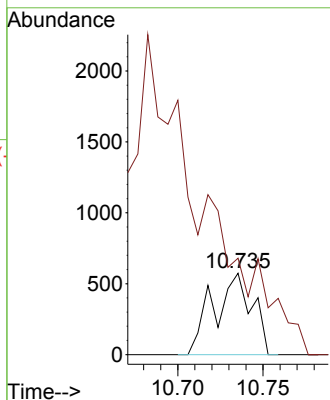
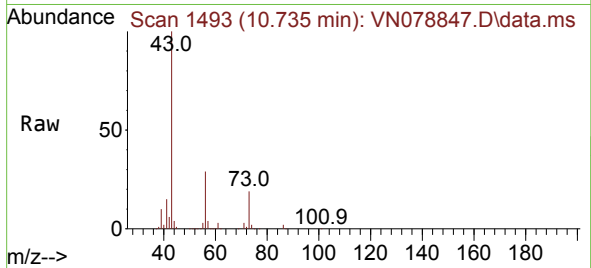




#53
 t-1,3-Dichloropropene
 Concen: 0.228 ug/l
 RT: 10.735 min Scan# 14
 Delta R.T. -0.106 min
 Lab File: VN078847.D
 Acq: 10 Aug 2023 19:10

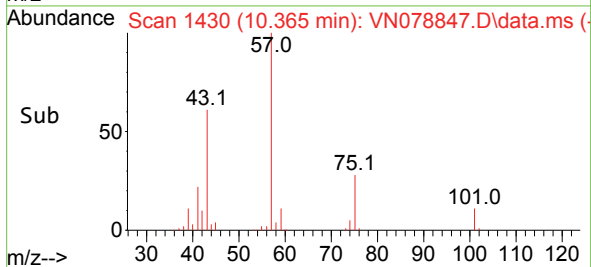
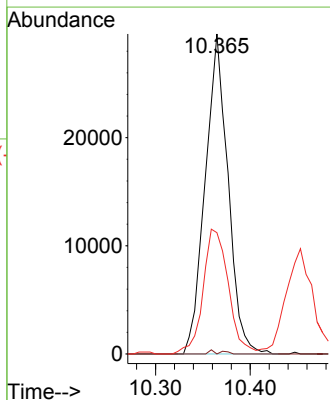
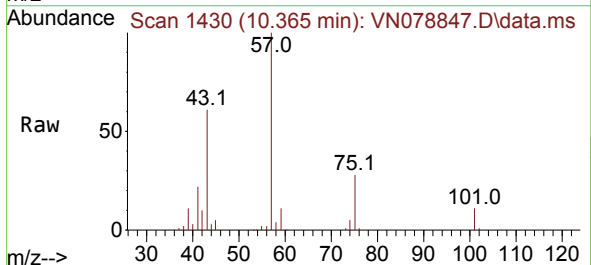
Instrument :
 MSVOA_N
 ClientSampleId :

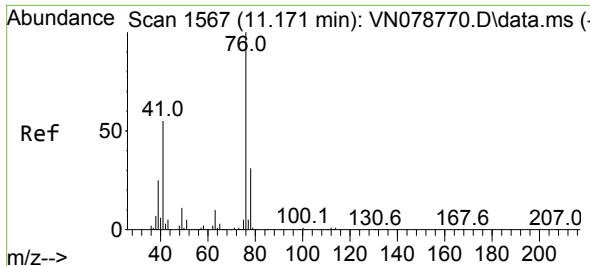
Tgt Ion: 75 Resp: 904
 Ion Ratio Lower Upper
 75 100
 77 49.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.505 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078847.D
 Acq: 10 Aug 2023 19:10

Tgt Ion: 75 Resp: 49516
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 37.1 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.345 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

Instrument :

MSVOA_N

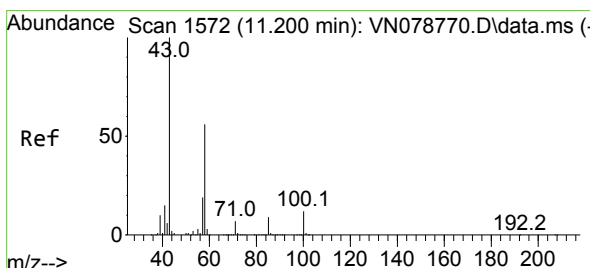
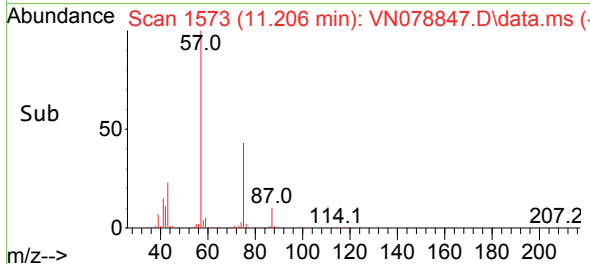
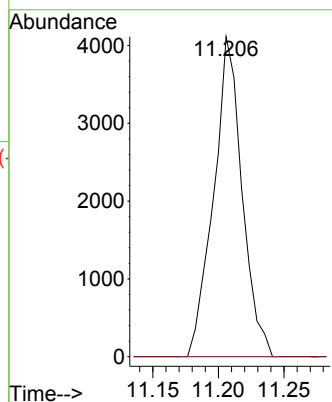
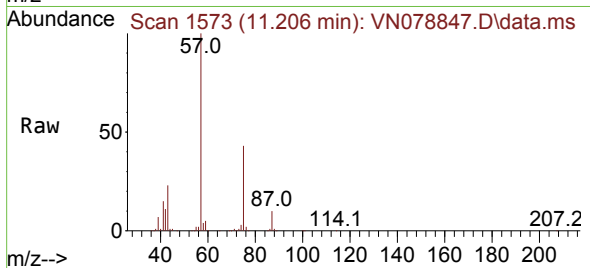
ClientSampleId :

Tgt Ion: 76 Resp: 6196

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 49.017 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078847.D

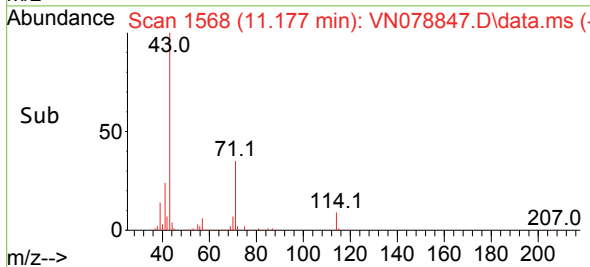
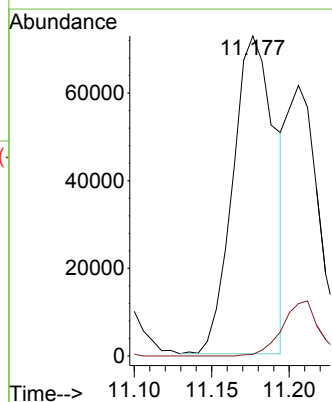
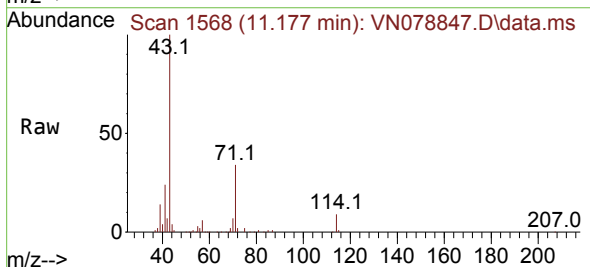
Acq: 10 Aug 2023 19:10

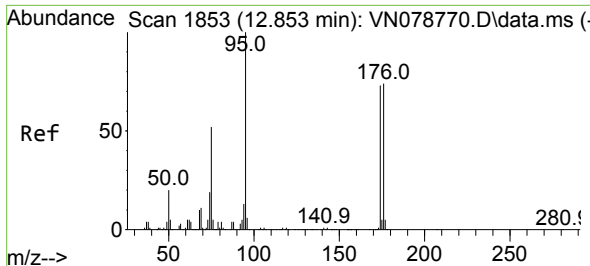
Tgt Ion: 43 Resp: 137551

Ion Ratio Lower Upper

43 100

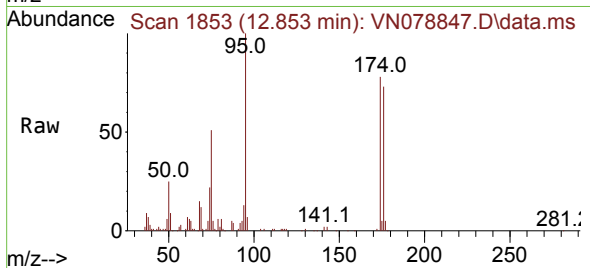
58 0.0 31.7 95.1#



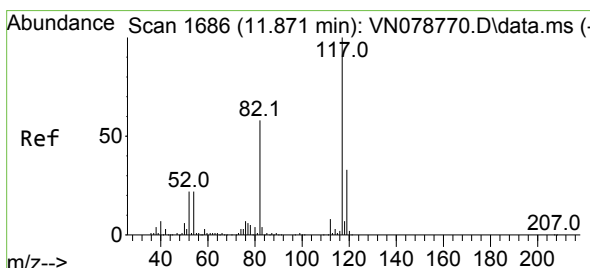
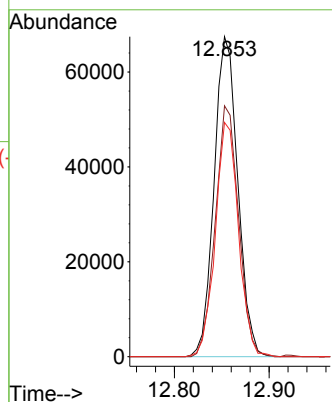
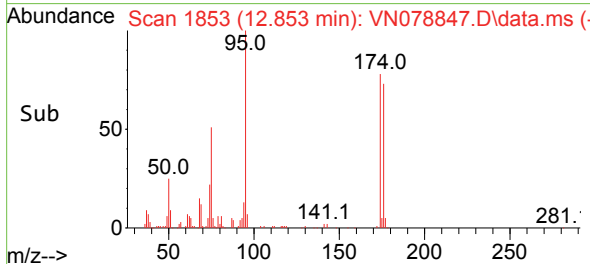


#62
4-Bromofluorobenzene
Concen: 45.770 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Instrument :
MSVOA_N
ClientSampleId :

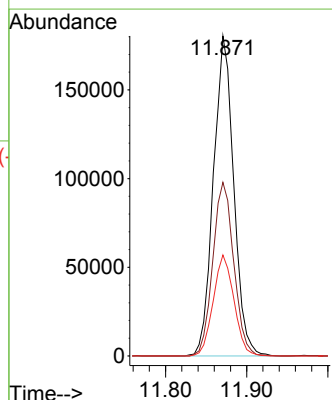
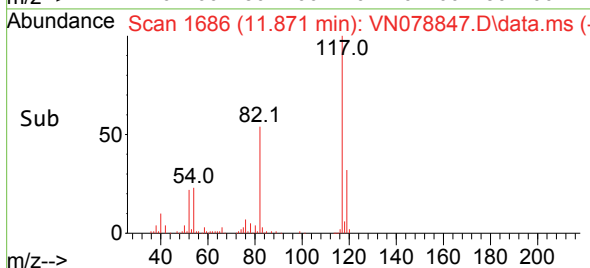
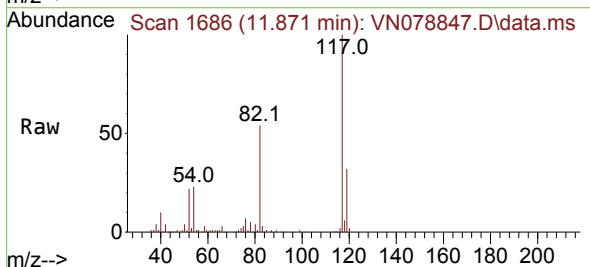


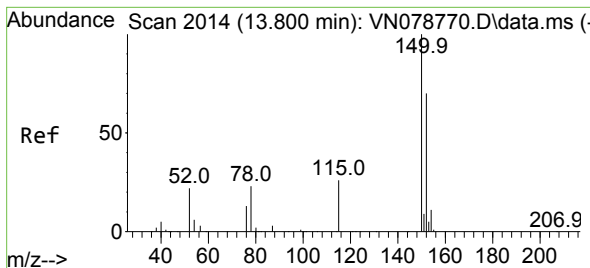
Tgt Ion: 95 Resp: 117113
Ion Ratio Lower Upper
95 100
174 77.2 0.0 143.8
176 71.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Tgt Ion: 117 Resp: 313396
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

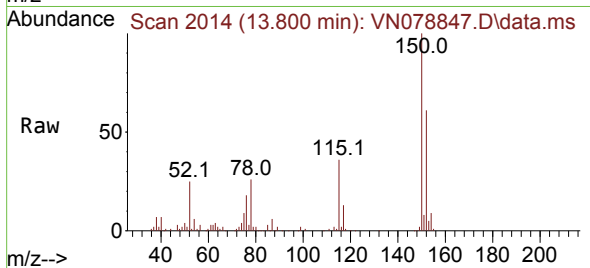
Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

Instrument :

MSVOA_N

ClientSampleId :



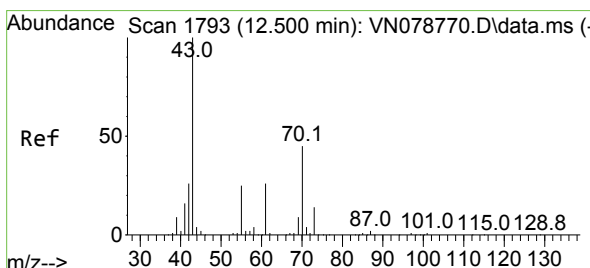
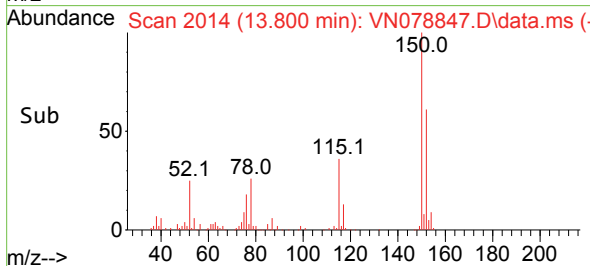
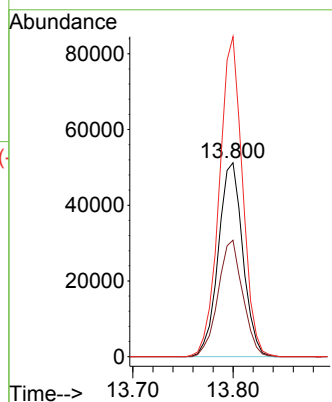
Tgt Ion:152 Resp: 86798

Ion Ratio Lower Upper

152 100

115 60.6 32.3 96.8

150 156.5 0.0 355.8



#74

N-ethyl acetate

Concen: 0.284 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.041 min

Lab File: VN078847.D

Acq: 10 Aug 2023 19:10

Tgt Ion: 43 Resp: 1100

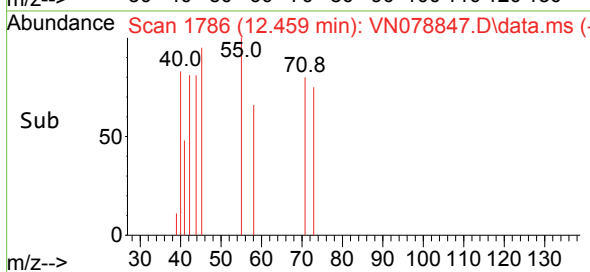
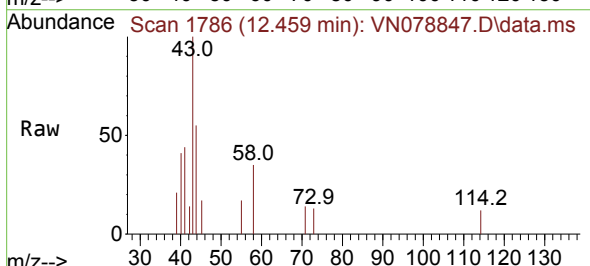
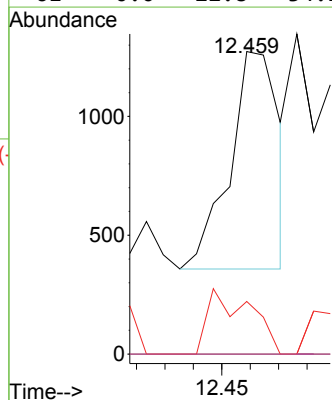
Ion Ratio Lower Upper

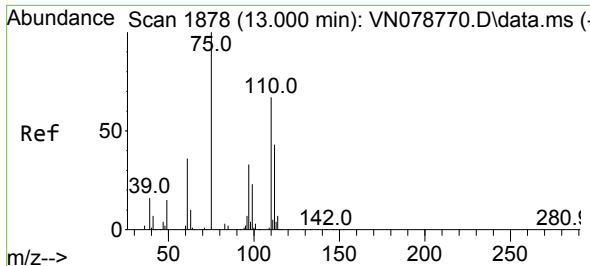
43 100

70 0.0 43.4 65.2#

55 25.9 21.4 32.0

61 0.0 22.8 34.2#

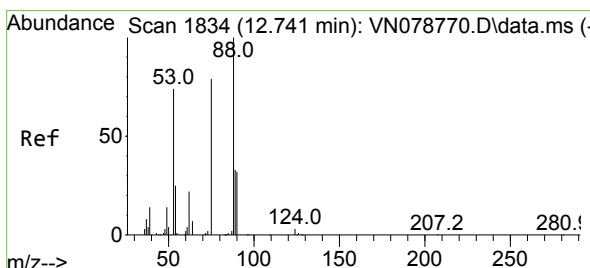
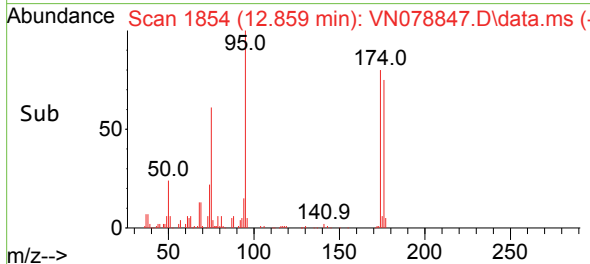
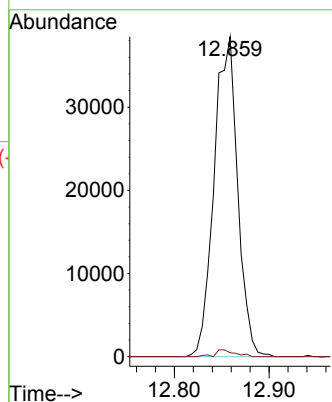
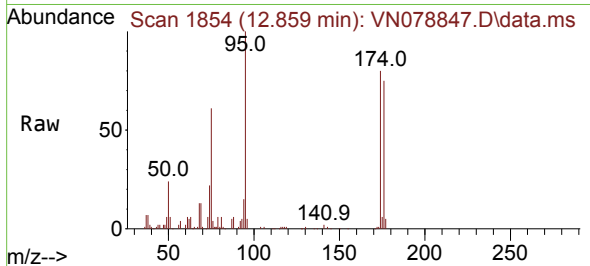




#76
1,2,3-Trichloropropane
Concen: 28.364 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 66562
Ion Ratio Lower Upper
75 100
77 1.8 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.110 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078847.D
Acq: 10 Aug 2023 19:10

Tgt Ion: 75 Resp: 66562
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.1 38.8 58.2#

