

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078836.D
 Acq On : 10 Aug 2023 14:44
 Operator : JC\MD
 Sample : PB154726ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:52:06 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)

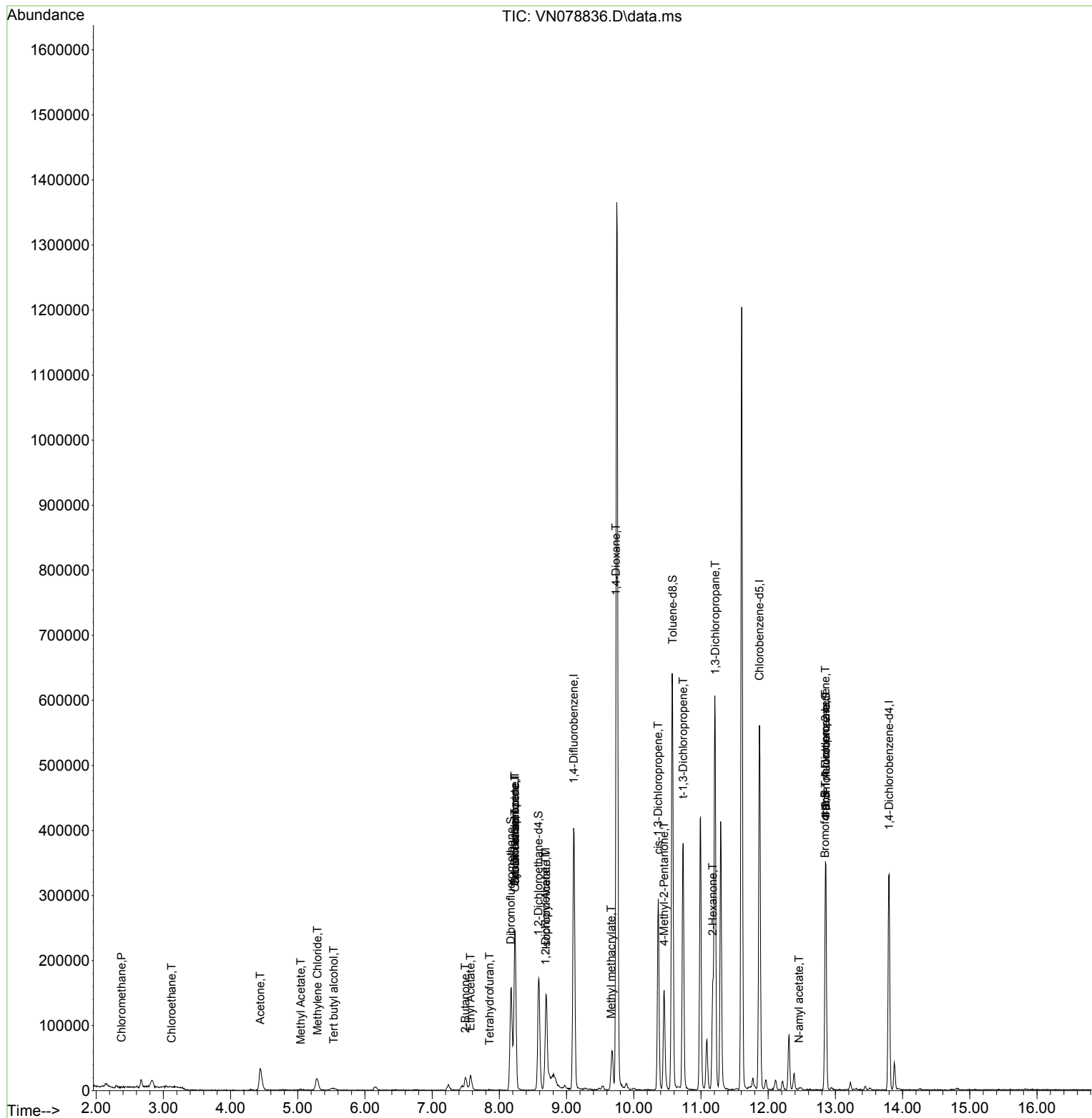
Internal Standards						
1) Pentafluorobenzene	8.230	168	163896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	328708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	306143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	85405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	131002	53.317	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.640%	
35) Dibromofluoromethane	8.171	113	109799	49.463	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.920%	
50) Toluene-d8	10.577	98	432285	52.919	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.840%	
62) 4-Bromofluorobenzene	12.859	95	113903	46.656	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	630	0.223	ug/l	100
6) Chloroethane	3.124	64	560	0.320	ug/l #	43
11) Tert butyl alcohol	5.536	59	355	0.823	ug/l #	63
16) Acetone	4.442	43	62663	66.284	ug/l	99
18) Methyl Acetate	5.048	43	3547	0.835	ug/l #	48
20) Methylene Chloride	5.295	84	13660	5.834	ug/l #	83
25) 2-Butanone	7.494	43	32886	20.543	ug/l #	72
29) Tetrahydrofuran	7.853	42	223	0.208	ug/l #	20
31) Cyclohexane	8.230	56	4609	1.277	ug/l #	49
36) 1,1-Dichloropropene	8.230	75	16083	4.670	ug/l #	44
37) Ethyl Acetate	7.571	43	32819	8.963	ug/l #	93
38) Carbon Tetrachloride	8.236	117	18927	5.331	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1121	0.299	ug/l #	73
43) Isopropyl Acetate	8.694	43	191329	30.993	ug/l #	73
48) Methyl methacrylate	9.665	41	4578	1.605	ug/l #	27
49) 1,4-Dioxane	9.735	88	186	4.016	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	112080	29.641	ug/l #	84
53) t-1,3-Dichloropropene	10.735	75	1070	0.283	ug/l	96
54) cis-1,3-Dichloropropene	10.365	75	46512	11.327	ug/l #	72
57) 1,3-Dichloropropane	11.212	76	5875	1.336	ug/l #	42
59) 2-Hexanone	11.177	43	132463	49.473	ug/l #	19
71) Bromoform	12.847	173	1170	0.621	ug/l #	28
74) N-amyl acetate	12.459	43	1355	0.355	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	65079	28.184	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65079	75.628	ug/l #	15

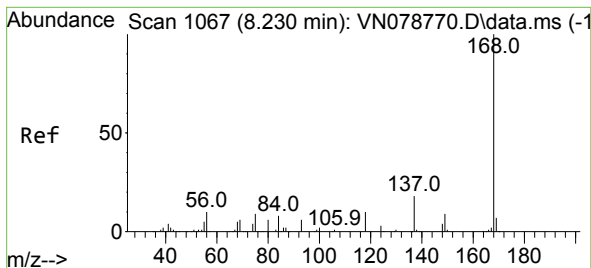
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 08 05:03:52 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078836.D

Acq: 10 Aug 2023 14:44

Instrument :

MSVOA_N

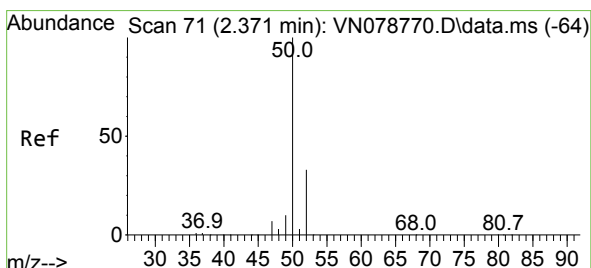
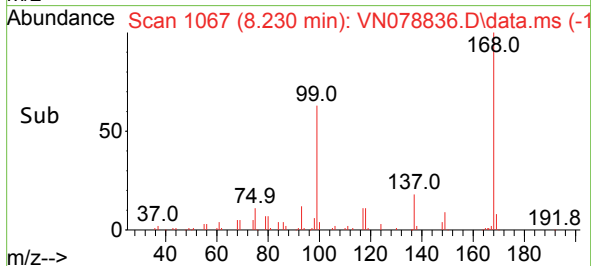
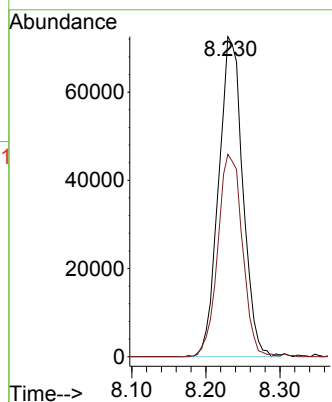
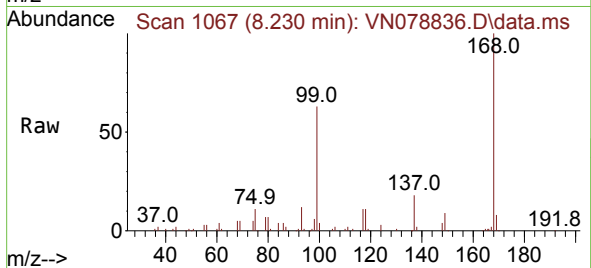
ClientSampleId :

Tgt Ion:168 Resp: 163896

Ion Ratio Lower Upper

168 100

99 63.3 53.0 79.6



#3

Chloromethane

Concen: 0.223 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078836.D

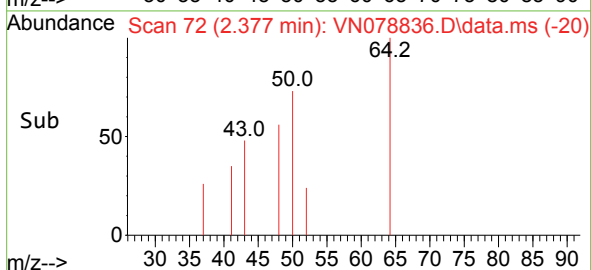
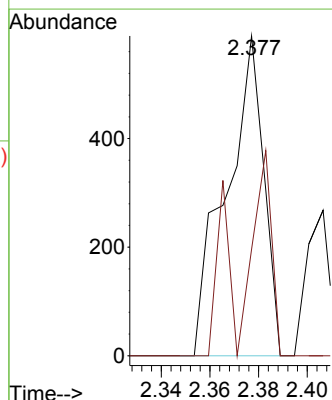
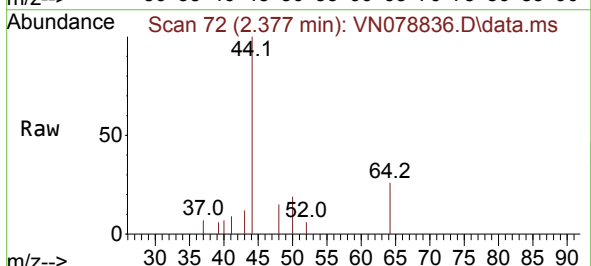
Acq: 10 Aug 2023 14:44

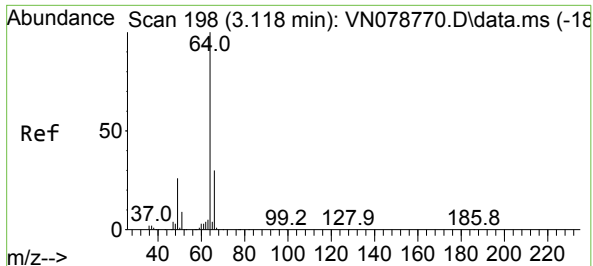
Tgt Ion: 50 Resp: 630

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7

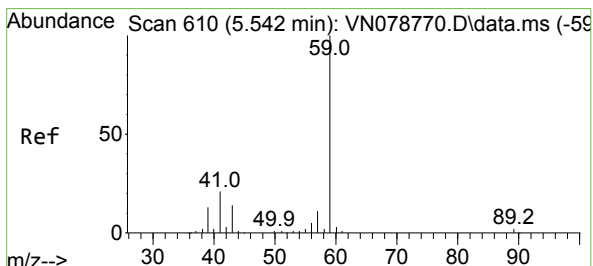
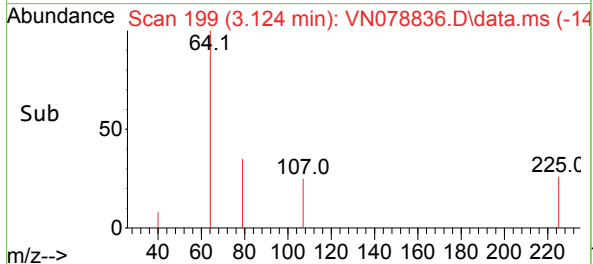
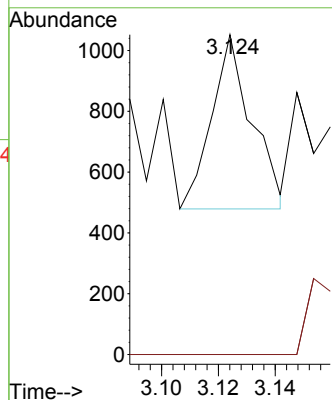
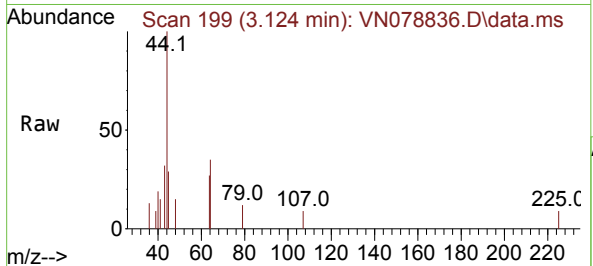




#6
Chloroethane
Concen: 0.320 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

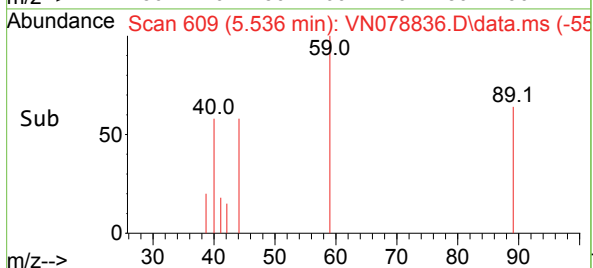
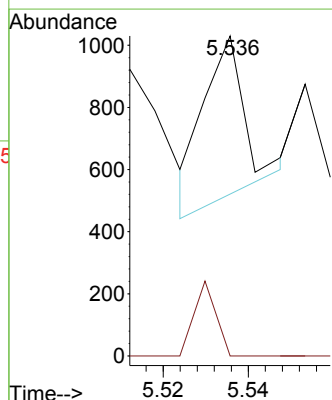
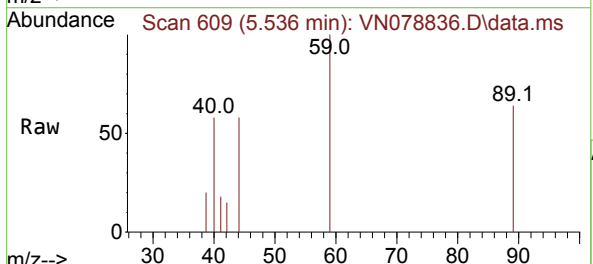
Instrument :
MSVOA_N
ClientSampleId :

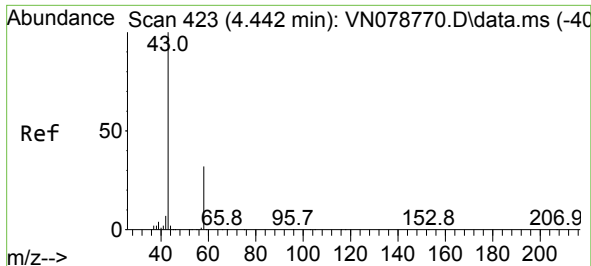
Tgt Ion: 64 Resp: 560
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.823 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

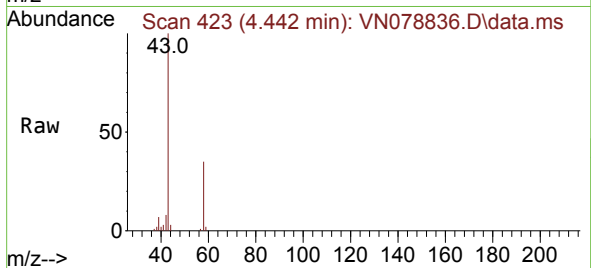
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 23.9 8.2 12.4#



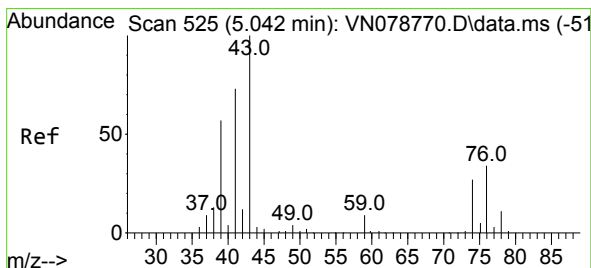
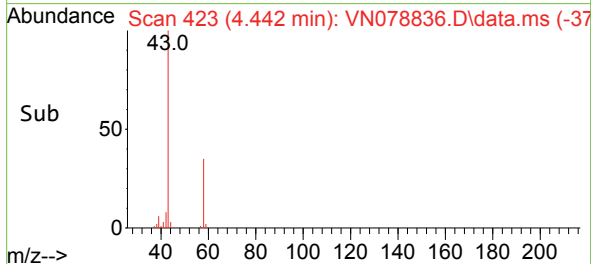
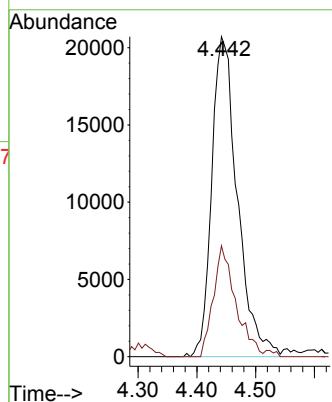


#16
Acetone
Concen: 66.284 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Instrument :
MSVOA_N
ClientSampleId :

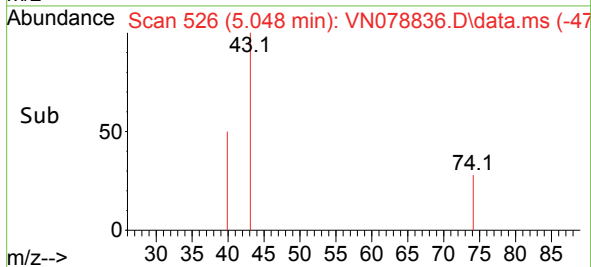
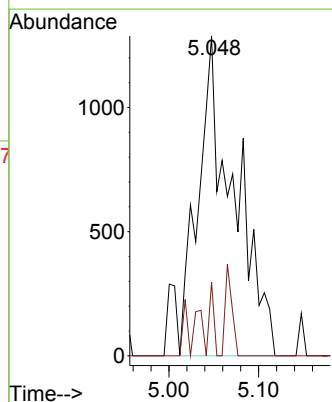
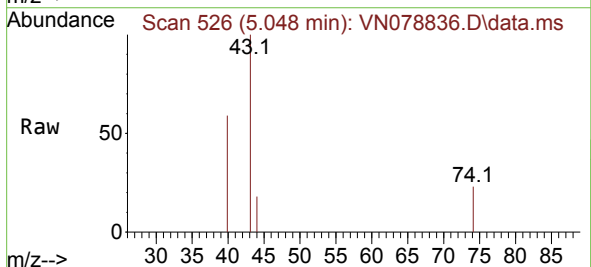


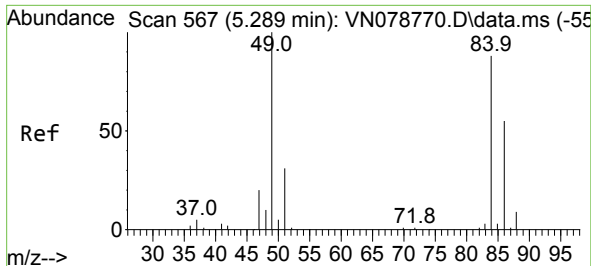
Tgt Ion: 43 Resp: 62663
Ion Ratio Lower Upper
43 100
58 34.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.835 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

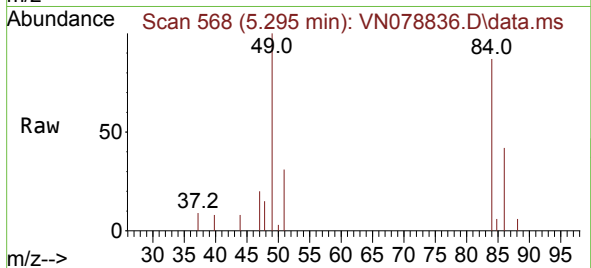
Tgt Ion: 43 Resp: 3547
Ion Ratio Lower Upper
43 100
74 3.6 26.2 39.4#



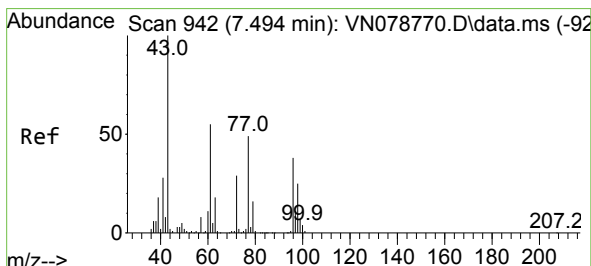
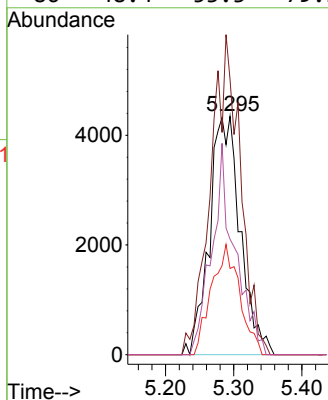
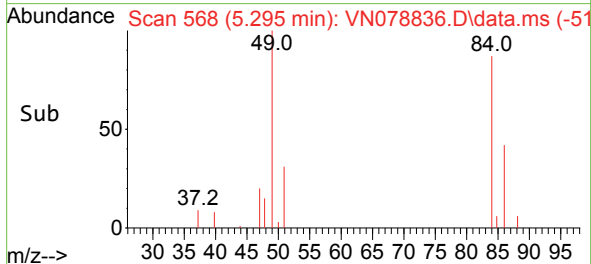


#20
Methylene Chloride
Concen: 5.834 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Instrument :
MSVOA_N
ClientSampleId :

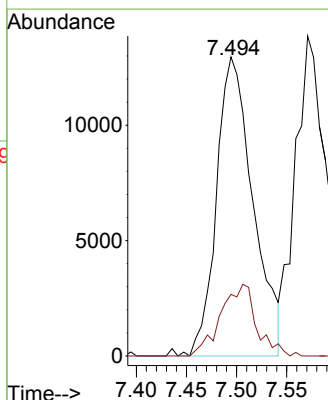
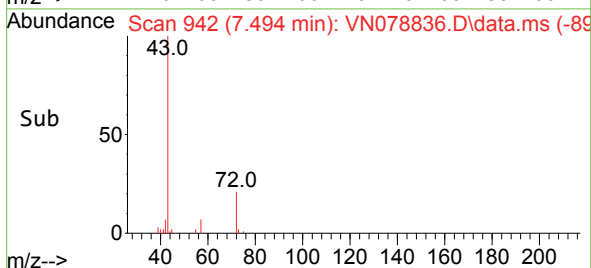
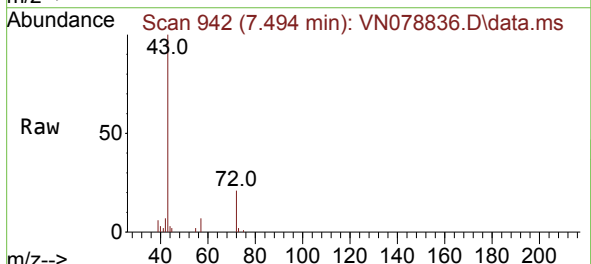


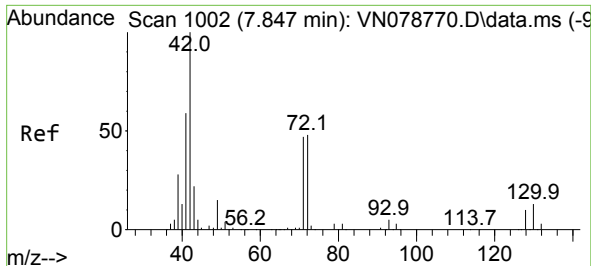
Tgt Ion: 84 Resp: 13660
Ion Ratio Lower Upper
84 100
49 115.4 79.7 119.5
51 36.1 25.2 37.8
86 48.4 53.3 79.9#



#25
2-Butanone
Concen: 20.543 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Tgt Ion: 43 Resp: 32886
Ion Ratio Lower Upper
43 100
72 20.6 30.2 45.2#

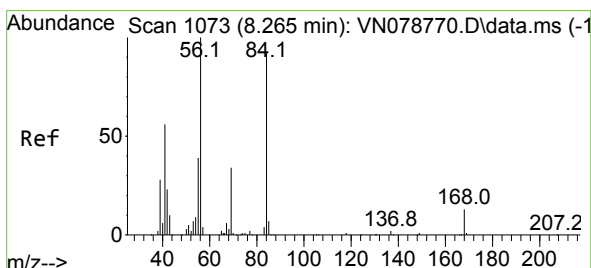
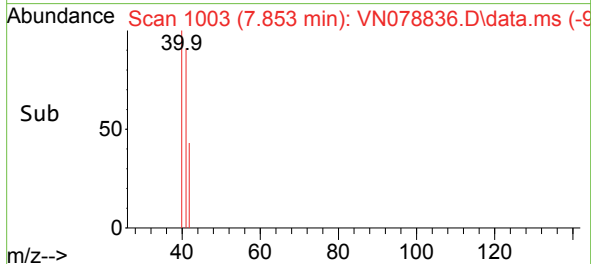
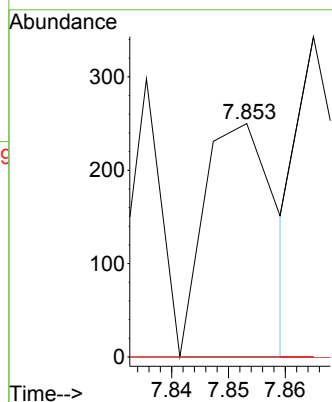
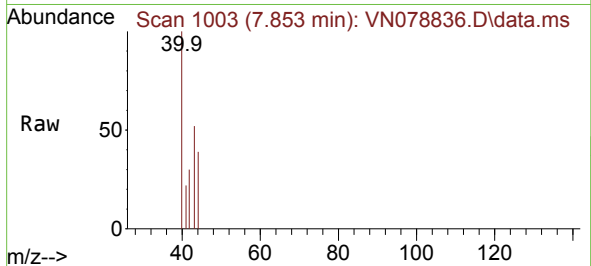




#29
Tetrahydrofuran
Concen: 0.208 ug/l
RT: 7.853 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

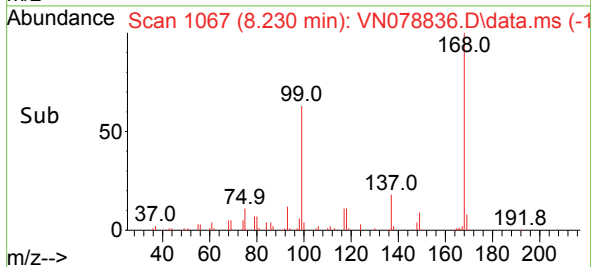
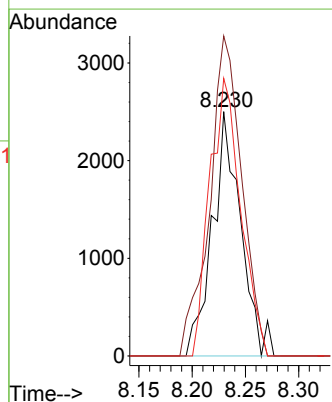
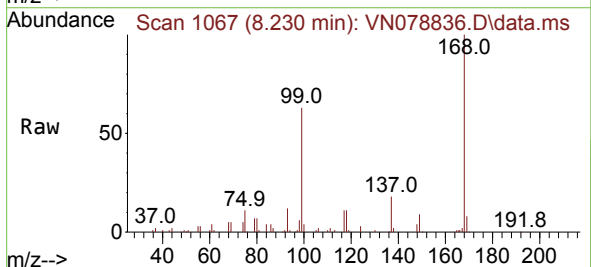
Instrument :
MSVOA_N
ClientSampleId :

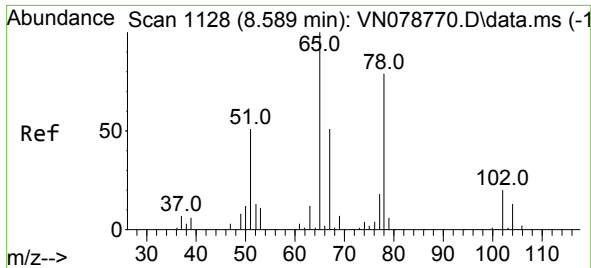
Tgt Ion: 42 Resp: 223
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Tgt Ion: 56 Resp: 4609
Ion Ratio Lower Upper
56 100
69 131.0 26.8 40.2#
84 113.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.317 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN078836.D

Acq: 10 Aug 2023 14:44

Instrument :

MSVOA_N

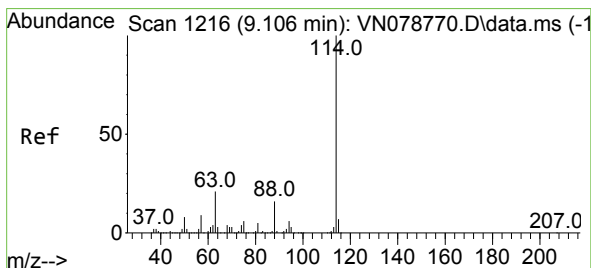
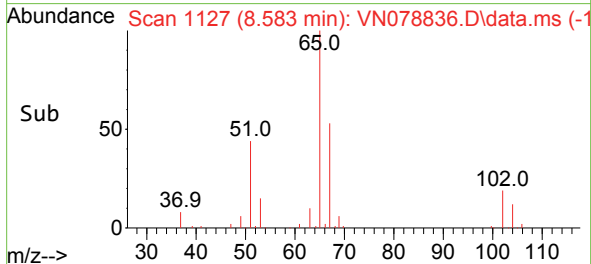
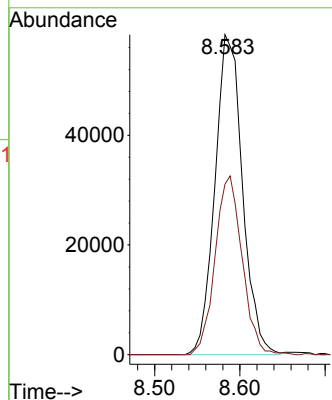
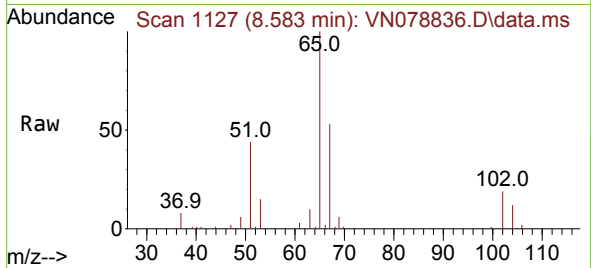
ClientSampleId :

Tgt Ion: 65 Resp: 131002

Ion Ratio Lower Upper

65 100

67 54.9 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: VN078836.D

Acq: 10 Aug 2023 14:44

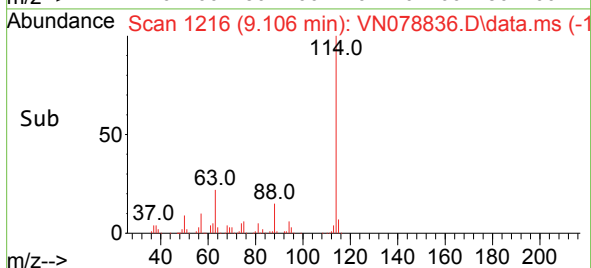
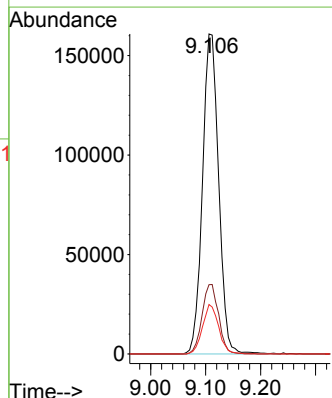
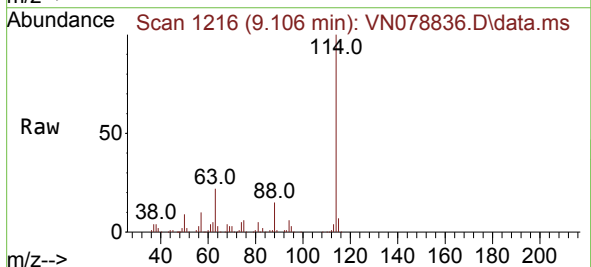
Tgt Ion: 114 Resp: 328708

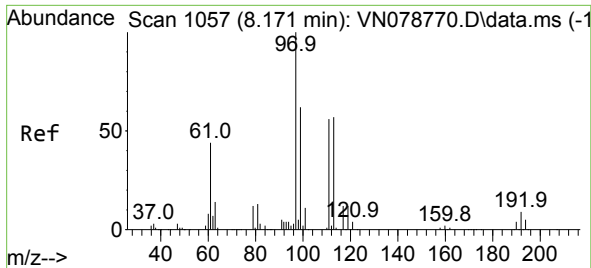
Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

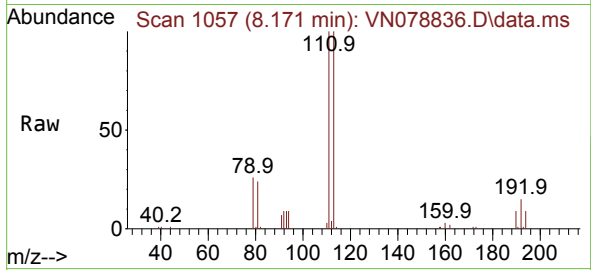
88 15.4 0.0 30.6



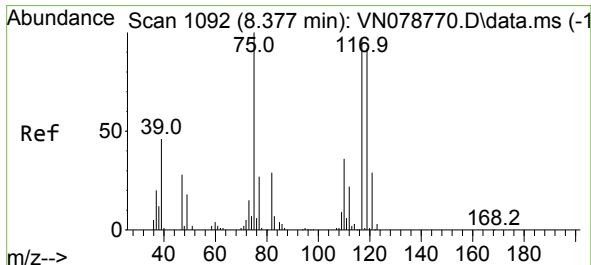
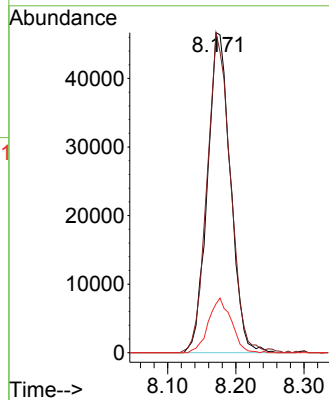
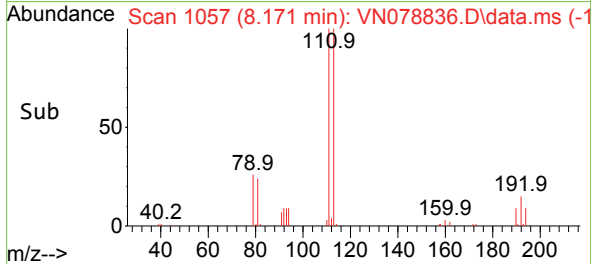


#35
Dibromofluoromethane
Concen: 49.463 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Instrument :
MSVOA_N
ClientSampleId :

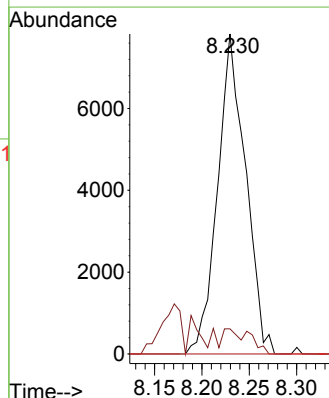
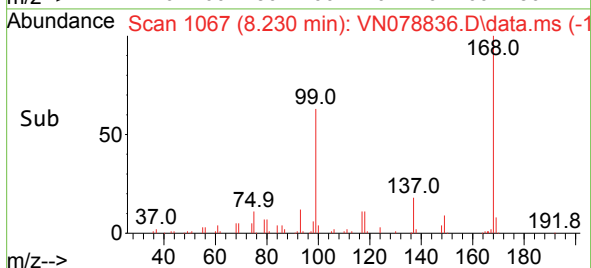
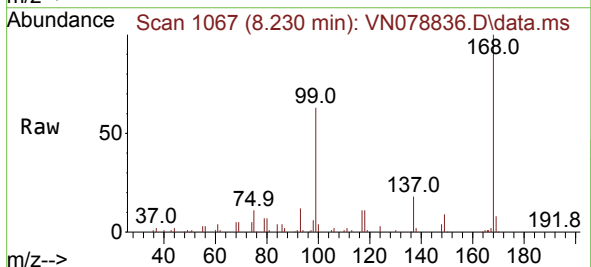


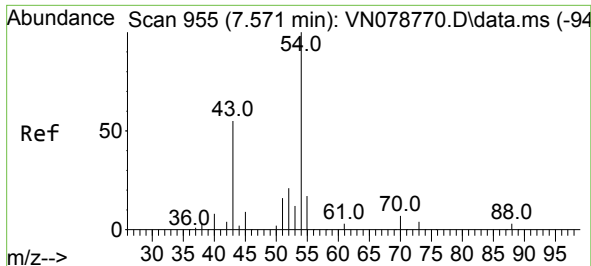
Tgt Ion:113 Resp: 109799
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.670 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

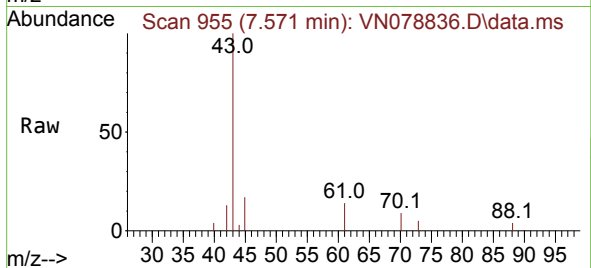
Tgt Ion: 75 Resp: 16083
Ion Ratio Lower Upper
75 100
110 4.2 19.1 57.3#
77 0.0 25.0 37.4#



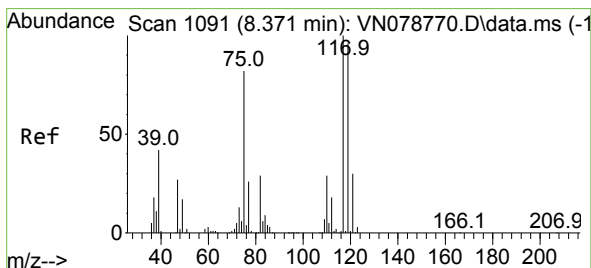
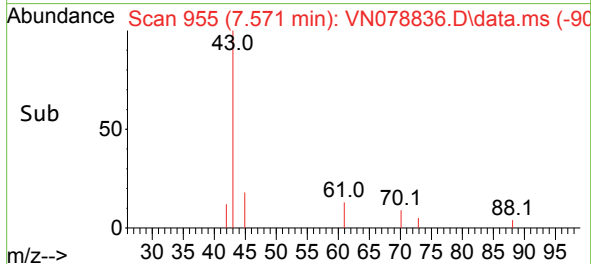
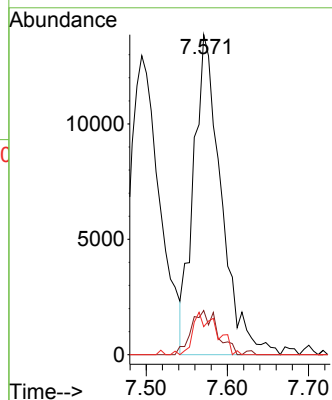


#37
Ethyl Acetate
Concen: 8.963 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Instrument :
MSVOA_N
ClientSampleId :

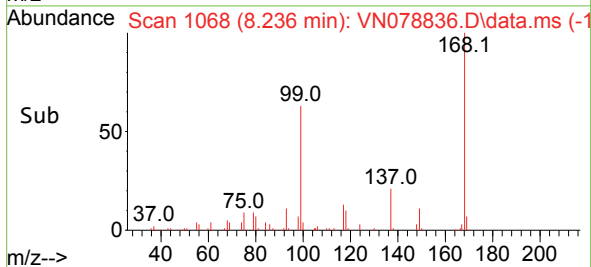
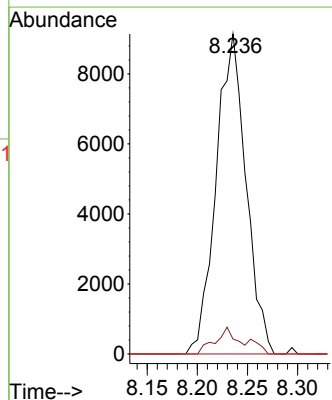
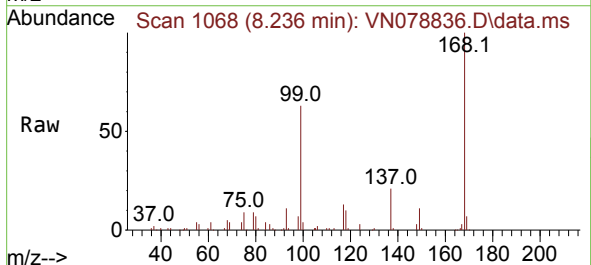


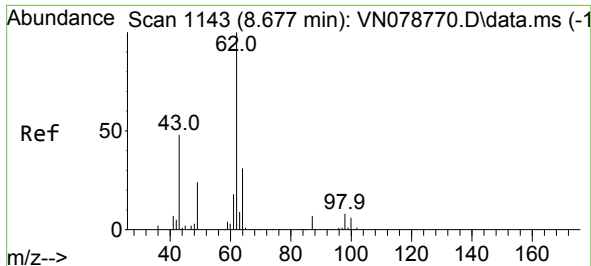
Tgt Ion: 43 Resp: 32819
Ion Ratio Lower Upper
43 100
61 13.0 13.2 19.8#
70 11.5 11.3 16.9



#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Tgt Ion: 117 Resp: 18927
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.299 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN078836.D

Acq: 10 Aug 2023 14:44

Instrument :

MSVOA_N

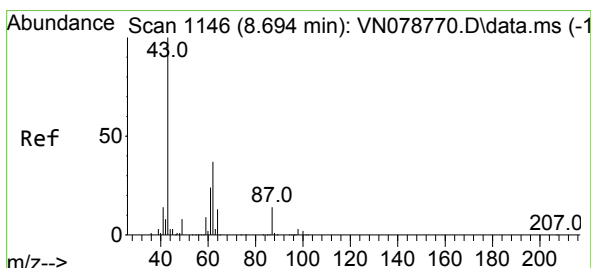
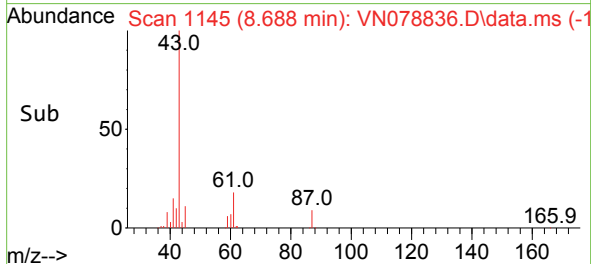
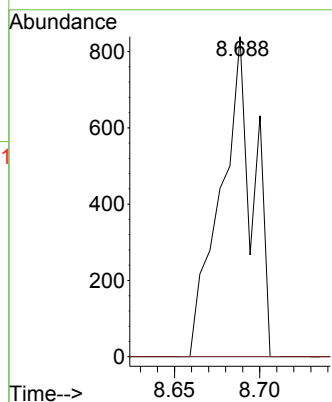
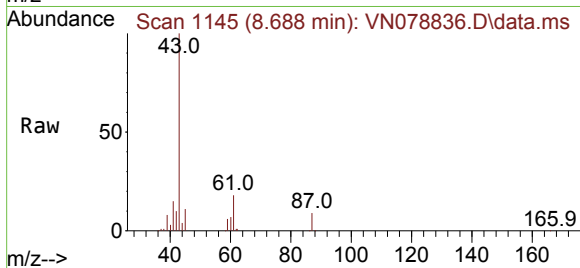
ClientSampleId :

Tgt Ion: 62 Resp: 1121

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 30.993 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN078836.D

Acq: 10 Aug 2023 14:44

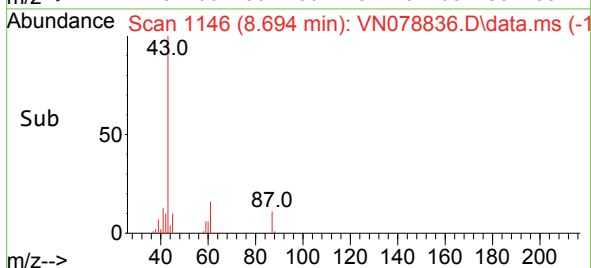
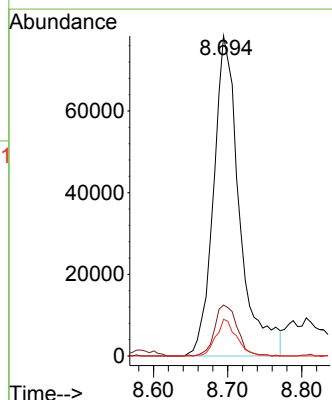
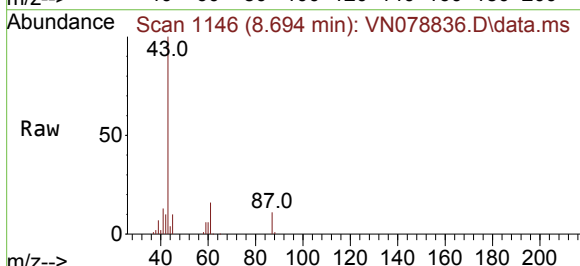
Tgt Ion: 43 Resp: 191329

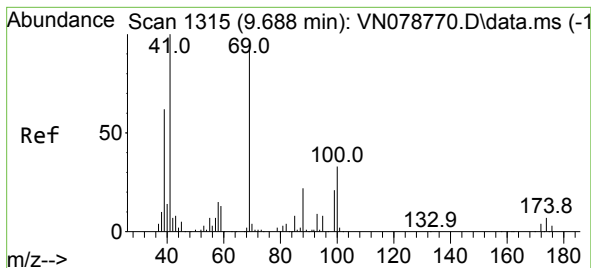
Ion Ratio Lower Upper

43 100

61 13.9 24.7 37.1#

87 9.1 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.605 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.024 min

Lab File: VN078836.D

Acq: 10 Aug 2023 14:44

Instrument :

MSVOA_N

ClientSampleId :

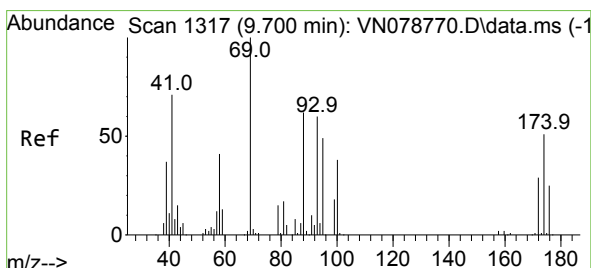
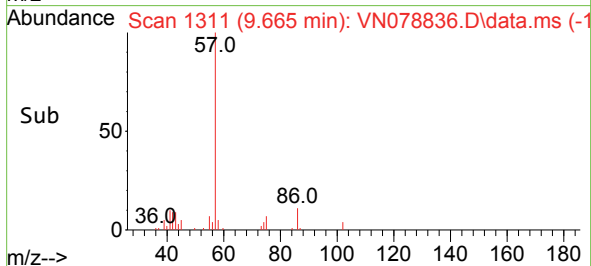
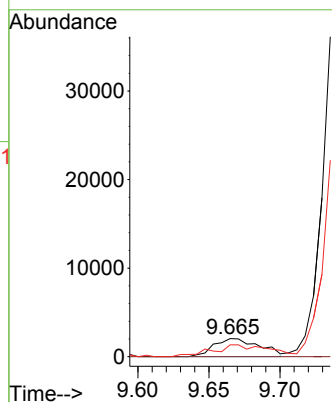
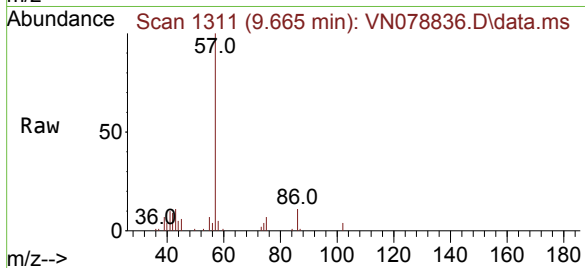
Tgt Ion: 41 Resp: 4578

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 83.1 54.6 81.8#



#49

1,4-Dioxane

Concen: 4.016 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.035 min

Lab File: VN078836.D

Acq: 10 Aug 2023 14:44

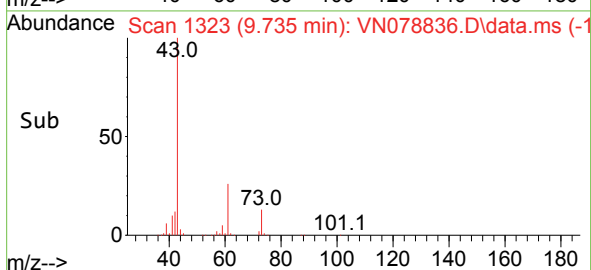
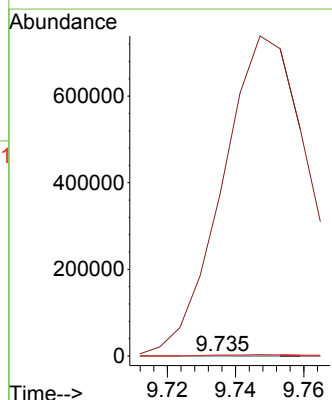
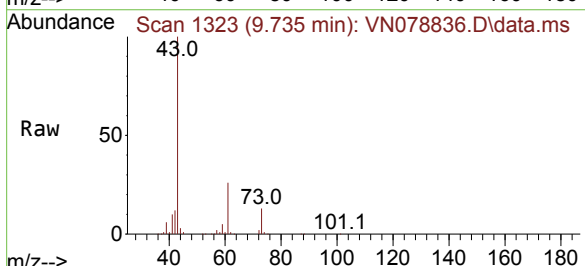
Tgt Ion: 88 Resp: 186

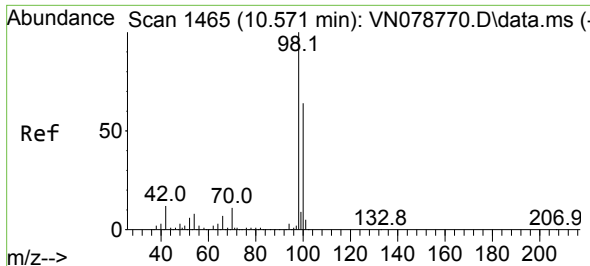
Ion Ratio Lower Upper

88 100

43 720069.9 17.0 25.6#

58 3230.6 47.0 70.4#

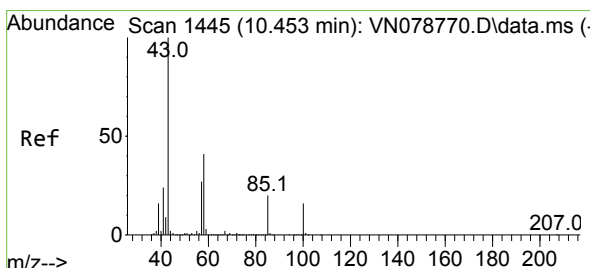
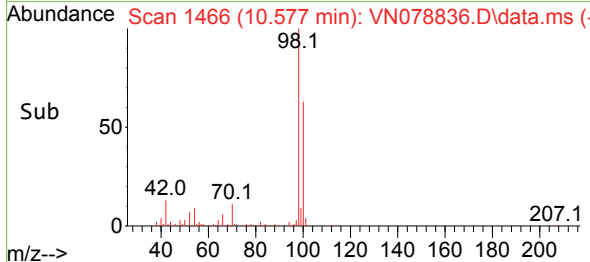
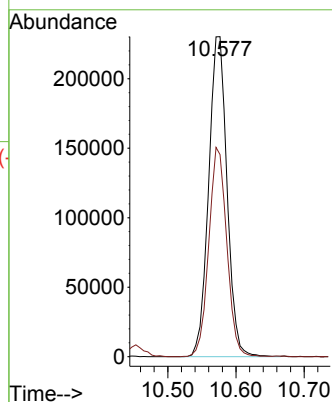
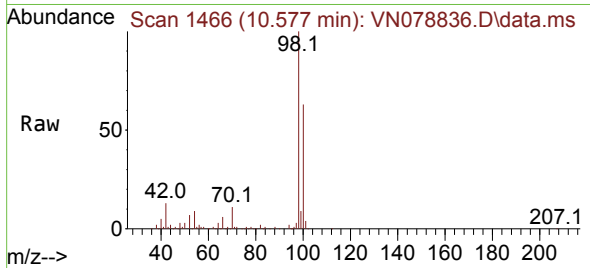




#50
Toluene-d8
Concen: 52.919 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

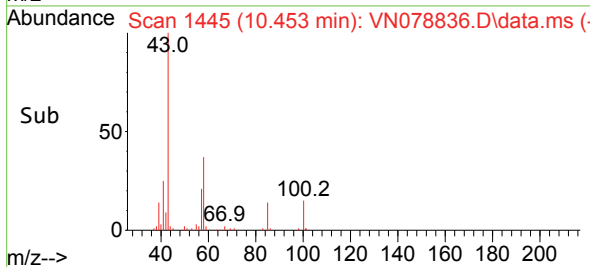
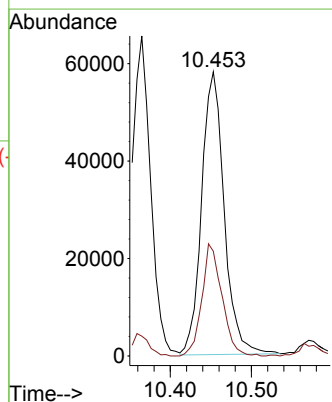
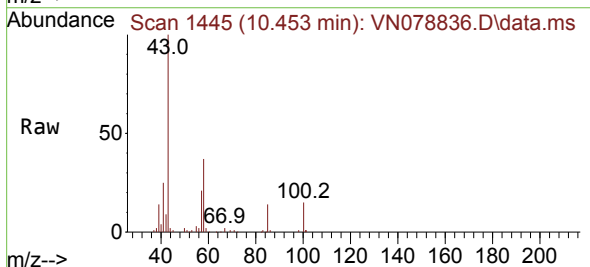
Instrument :
MSVOA_N
ClientSampleId :

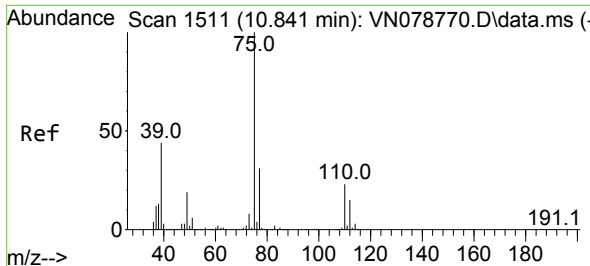
Tgt Ion: 98 Resp: 432285
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 29.641 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Tgt Ion: 43 Resp: 112080
Ion Ratio Lower Upper
43 100
58 35.3 36.6 54.8#

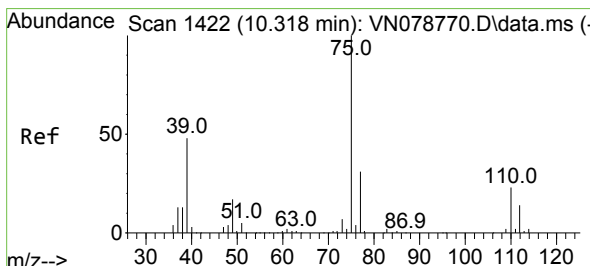
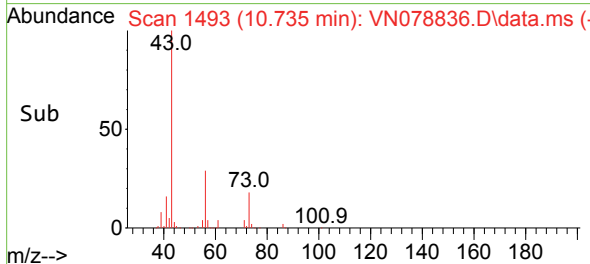
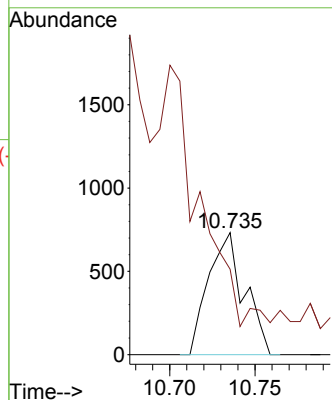
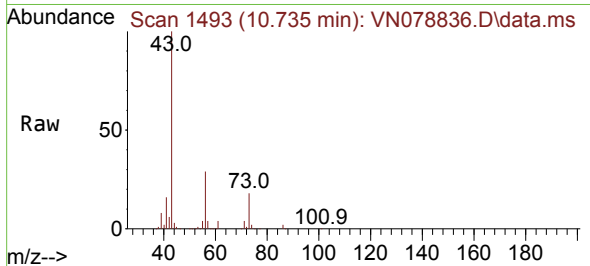




#53
 t-1,3-Dichloropropene
 Concen: 0.283 ug/l
 RT: 10.735 min Scan# 14
 Delta R.T. -0.106 min
 Lab File: VN078836.D
 Acq: 10 Aug 2023 14:44

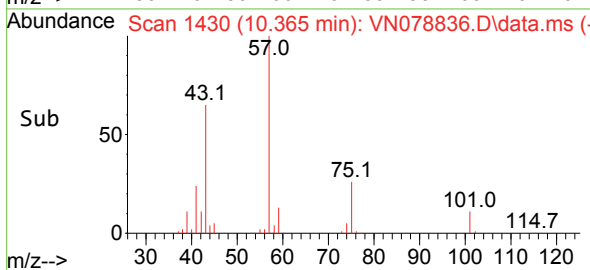
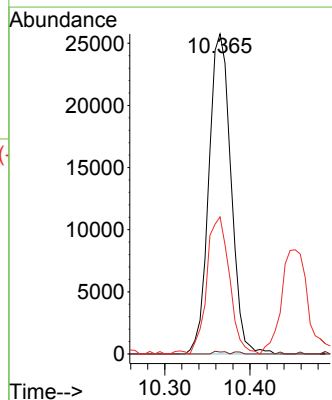
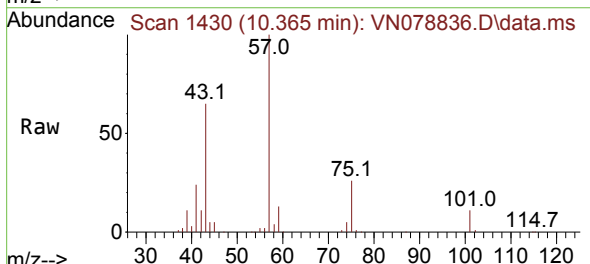
Instrument :
 MSVOA_N
 ClientSampleId :

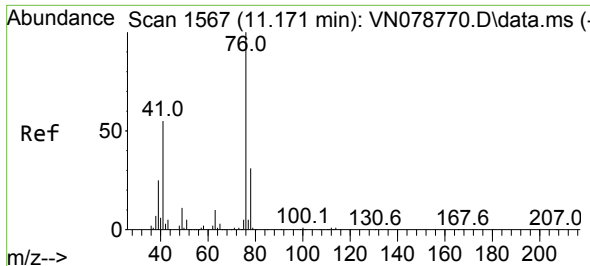
Tgt Ion: 75 Resp: 1070
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 11.327 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078836.D
 Acq: 10 Aug 2023 14:44

Tgt Ion: 75 Resp: 46512
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 41.9 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.336 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.041 min

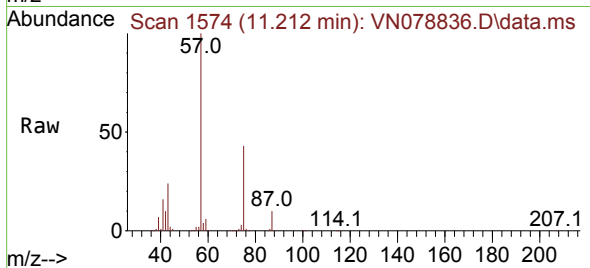
Lab File: VN078836.D

Acq: 10 Aug 2023 14:44

Instrument :

MSVOA_N

ClientSampleId :

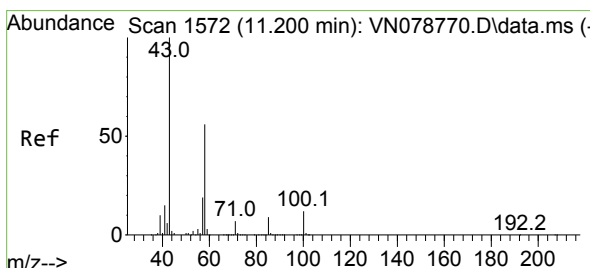
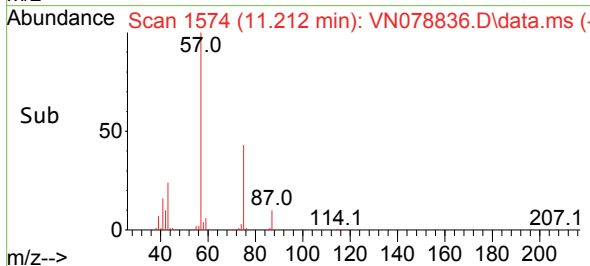
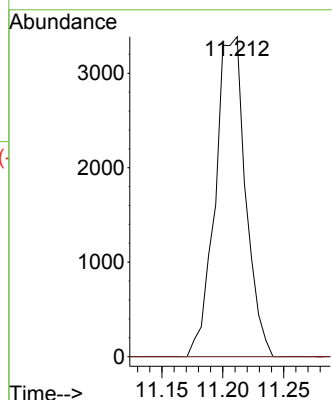


Tgt Ion: 76 Resp: 5875

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 49.473 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078836.D

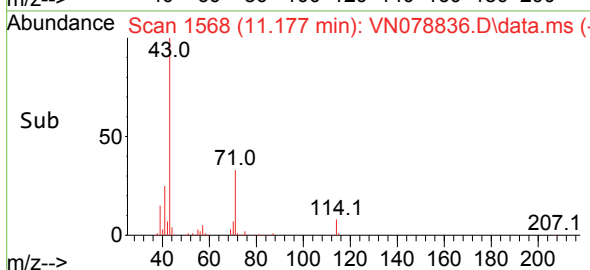
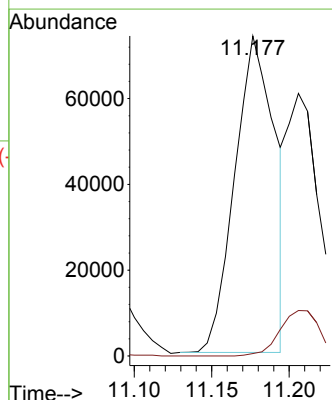
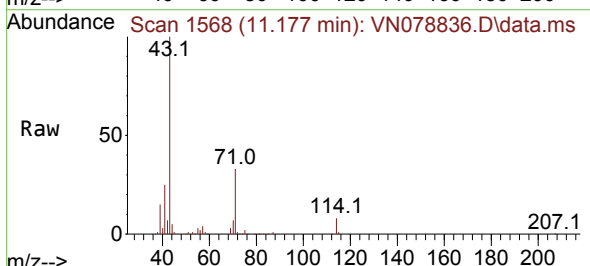
Acq: 10 Aug 2023 14:44

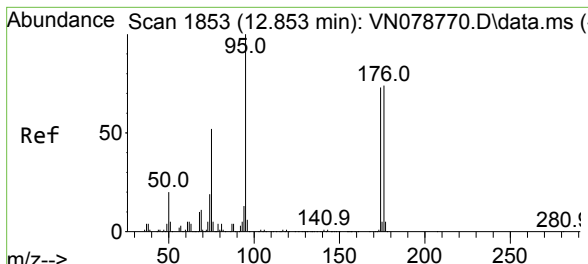
Tgt Ion: 43 Resp: 132463

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

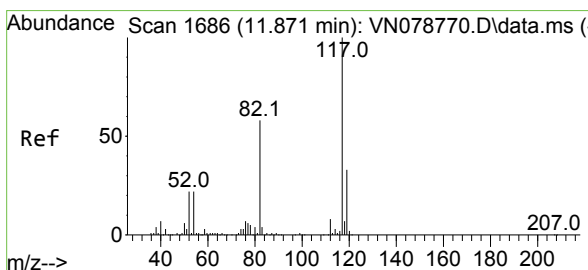
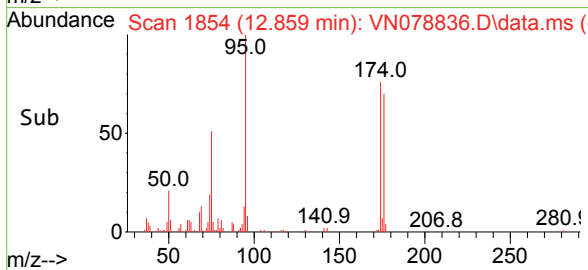
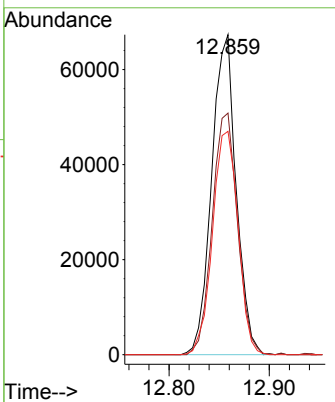
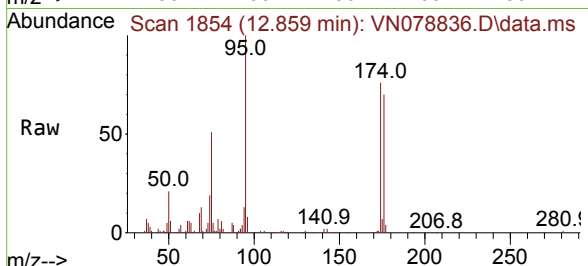




#62
4-Bromofluorobenzene
Concen: 46.656 ug/l
RT: 12.859 min Scan# 113903
Delta R.T. 0.006 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

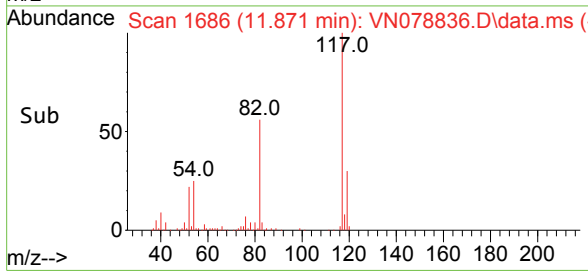
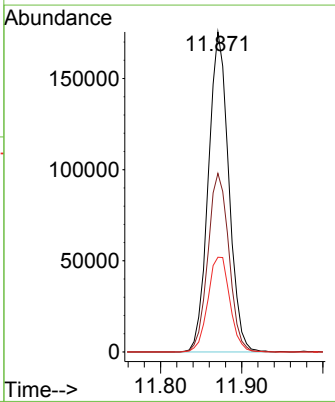
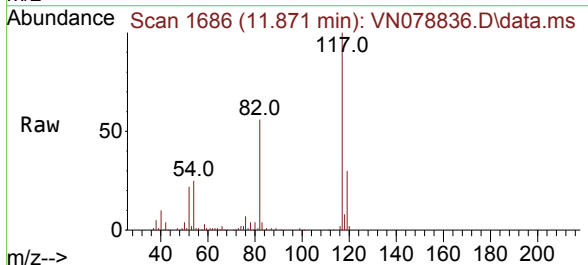
Instrument :
MSVOA_N
ClientSampleId :

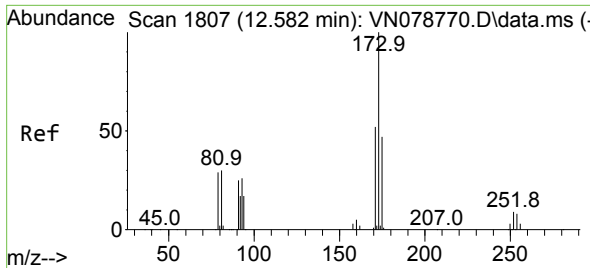
Tgt Ion:	95	Resp:	113903
Ion Ratio	Lower	Upper	
95	100		
174	77.8	0.0	143.8
176	73.0	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Tgt Ion:	117	Resp:	306143
Ion Ratio	Lower	Upper	
117	100		
82	55.8	44.0	66.0
119	29.6	25.6	38.4

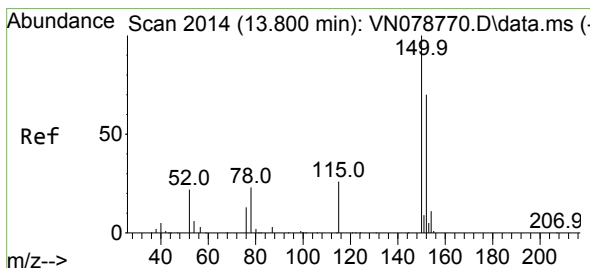
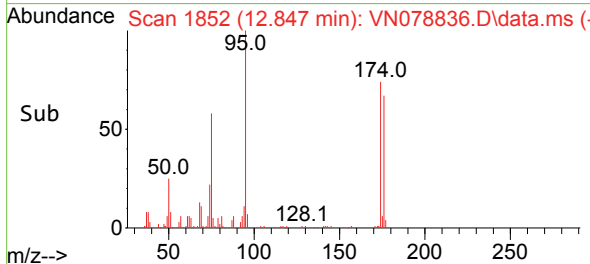
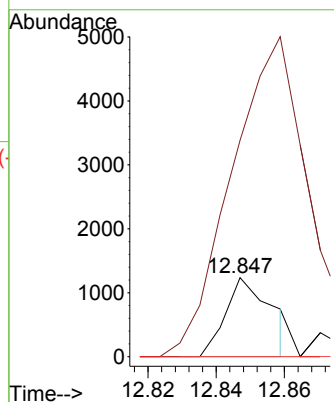
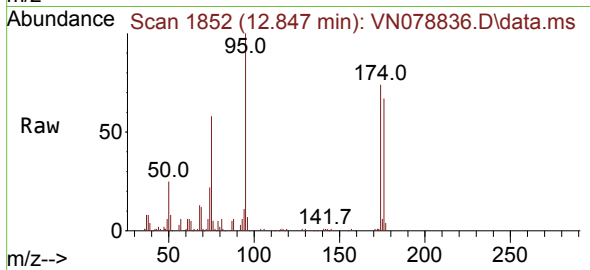




#71
Bromoform
Concen: 0.621 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

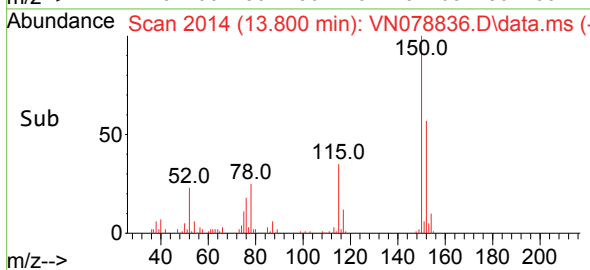
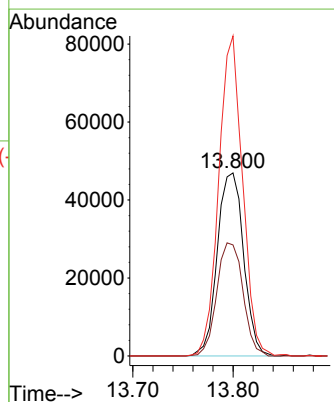
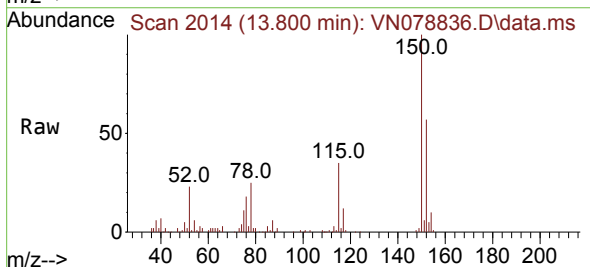
Instrument :
MSVOA_N
ClientSampleId :

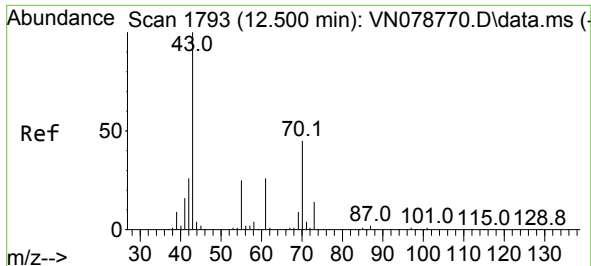
Tgt Ion:173 Resp: 1170
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

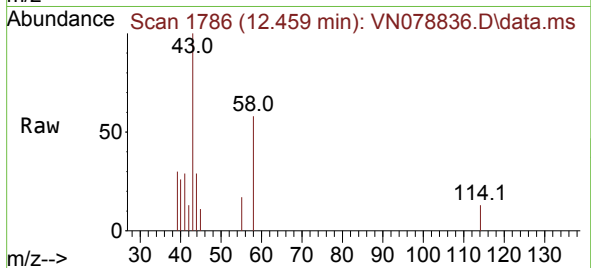
Tgt Ion:152 Resp: 85405
Ion Ratio Lower Upper
152 100
115 61.6 32.3 96.8
150 158.5 0.0 355.8



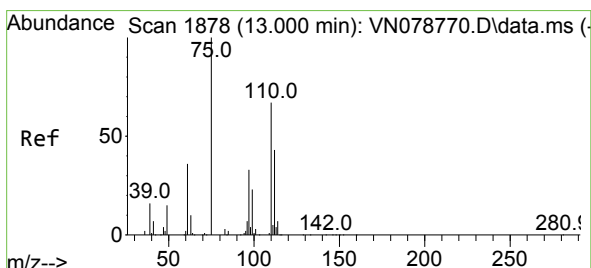
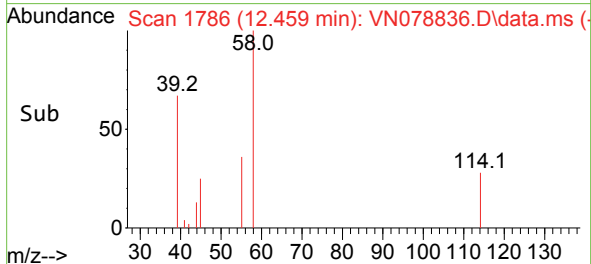
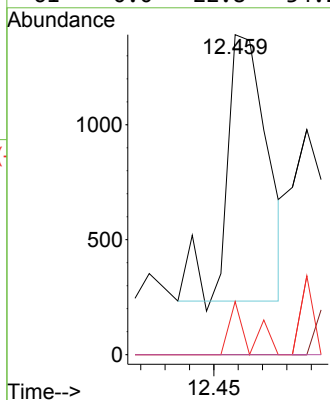


#74
N-amy1 acetate
Concen: 0.355 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

Instrument :
MSVOA_N
ClientSampleId :

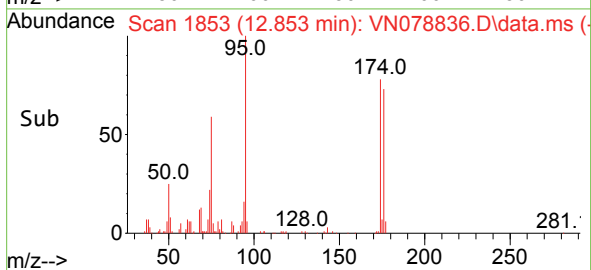
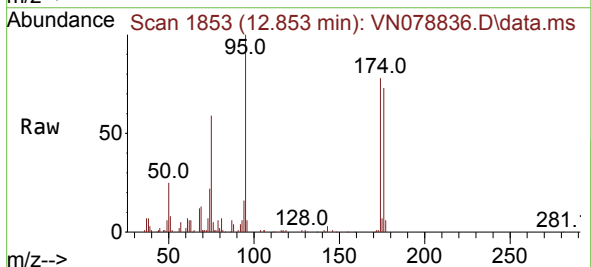
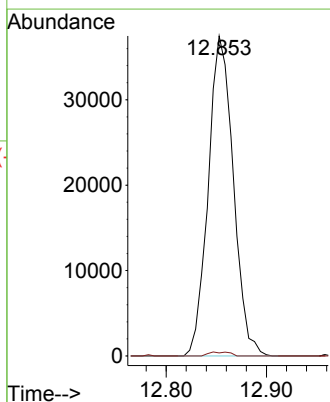


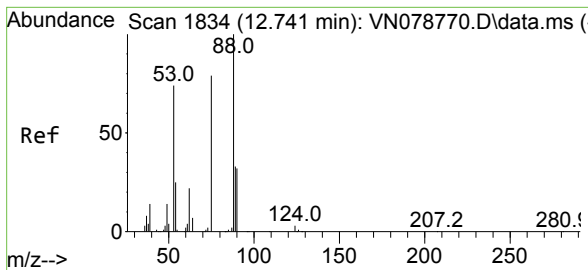
Tgt Ion:	43	Resp:	1355
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	10.0	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 28.184 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078836.D
Acq: 10 Aug 2023 14:44

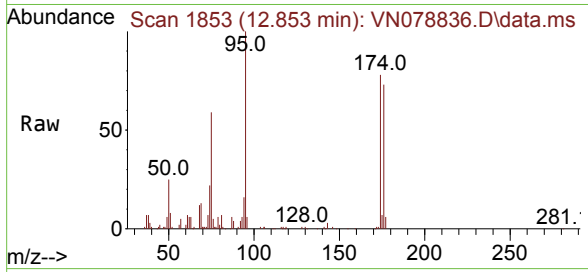
Tgt Ion:	75	Resp:	65079
Ion	Ratio	Lower	Upper
75	100		
77	1.0	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.628 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078836.D
 Acq: 10 Aug 2023 14:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	65079
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.1	38.8	58.2#

