

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078840.D
 Acq On : 10 Aug 2023 16:20
 Operator : JC\MD
 Sample : PB154726ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:53:34 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)

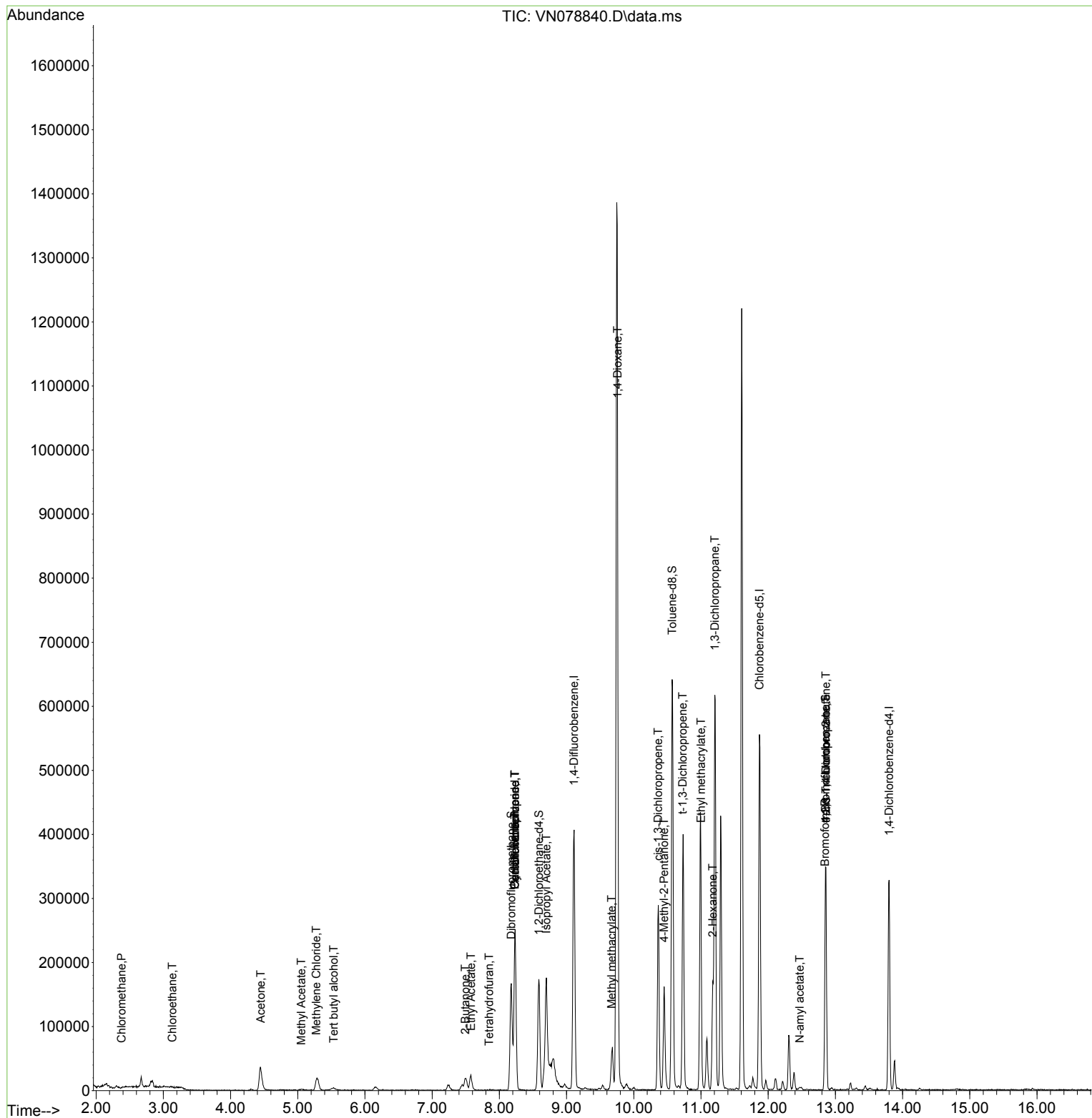
Internal Standards						
1) Pentafluorobenzene	8.229	168	170234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	332938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	307054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	82851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	134421	52.671	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.340%			
35) Dibromofluoromethane	8.177	113	115087	51.187	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.380%			
50) Toluene-d8	10.571	98	429769	51.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.880%			
62) 4-Bromofluorobenzene	12.853	95	118251	47.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.640%			
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	618	0.211	ug/l #	42
6) Chloroethane	3.136	64	1757	0.966	ug/l #	43
11) Tert butyl alcohol	5.536	59	3367	7.517	ug/l #	82
16) Acetone	4.447	43	66372	67.593	ug/l #	83
18) Methyl Acetate	5.053	43	4132	0.937	ug/l #	54
20) Methylene Chloride	5.277	84	15348	6.311	ug/l #	82
25) 2-Butanone	7.494	43	33995	20.445	ug/l #	78
29) Tetrahydrofuran	7.847	42	226	0.203	ug/l #	20
31) Cyclohexane	8.229	56	5240	1.397	ug/l #	40
36) 1,1-Dichloropropene	8.235	75	16351	4.688	ug/l #	42
37) Ethyl Acetate	7.577	43	33770	9.106	ug/l #	92
38) Carbon Tetrachloride	8.229	117	17591	4.892	ug/l #	14
43) Isopropyl Acetate	8.700	43	218534	34.950	ug/l #	72
48) Methyl methacrylate	9.671	41	4605	1.594	ug/l #	28
49) 1,4-Dioxane	9.759	88	199	4.242	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	116670	30.463	ug/l #	82
53) t-1,3-Dichloropropene	10.729	75	777	0.203	ug/l #	21
54) cis-1,3-Dichloropropene	10.365	75	46654	11.217	ug/l #	69
56) Ethyl methacrylate	11.000	69	1949	0.525	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6271	1.408	ug/l #	42
59) 2-Hexanone	11.176	43	132126	48.720	ug/l #	19
71) Bromoform	12.847	173	1264	0.669	ug/l #	28
74) N-amyl acetate	12.470	43	3931	1.063	ug/l #	38
76) 1,2,3-Trichloropropane	12.859	75	64325	28.716	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	64325	77.056	ug/l #	15

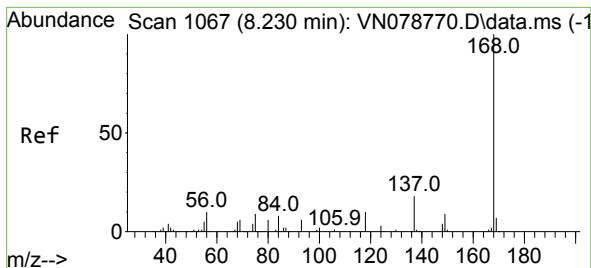
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
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Quant Time: Aug 10 23:53:34 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.001 min

Lab File: VN078840.D

Acq: 10 Aug 2023 16:20

Instrument :

MSVOA_N

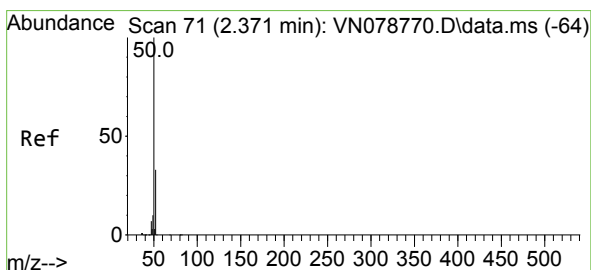
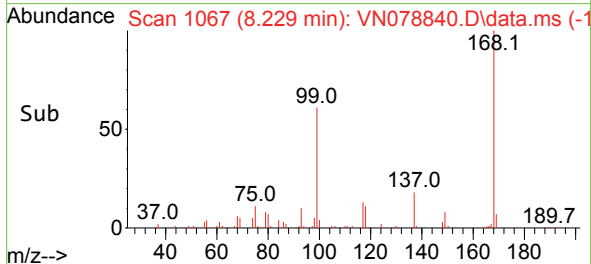
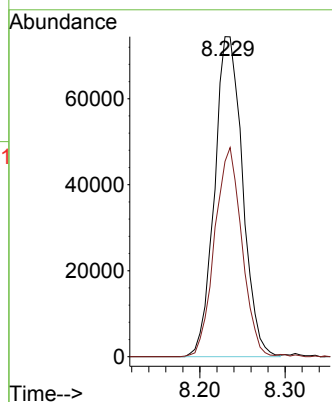
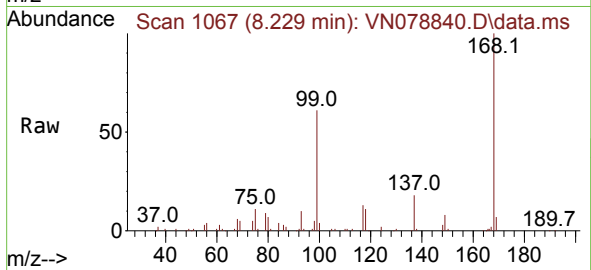
ClientSampleId :

Tgt Ion:168 Resp: 170234

Ion Ratio Lower Upper

168 100

99 61.0 53.0 79.6



#3

Chloromethane

Concen: 0.211 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078840.D

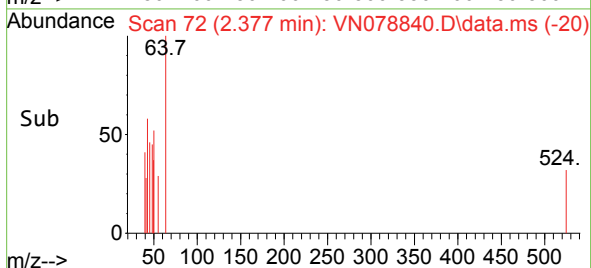
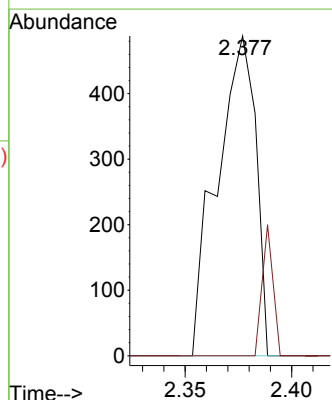
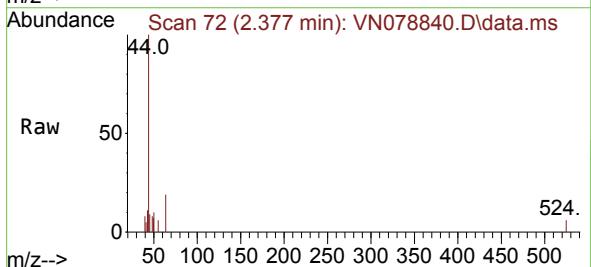
Acq: 10 Aug 2023 16:20

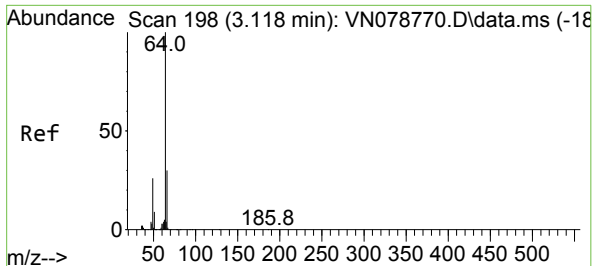
Tgt Ion: 50 Resp: 618

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

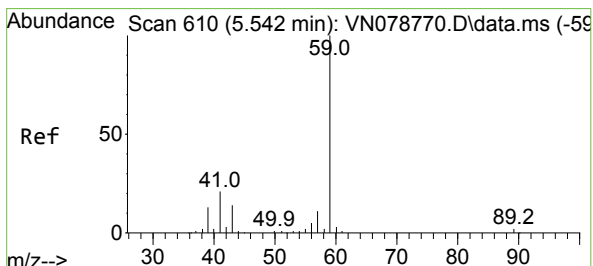
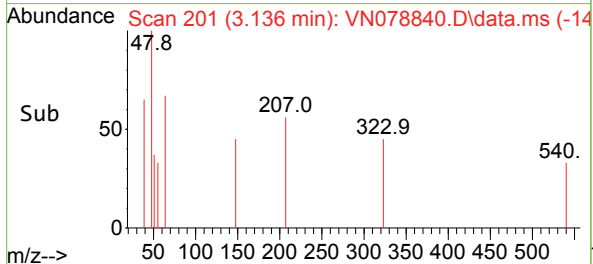
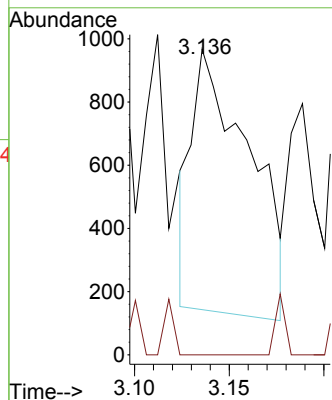
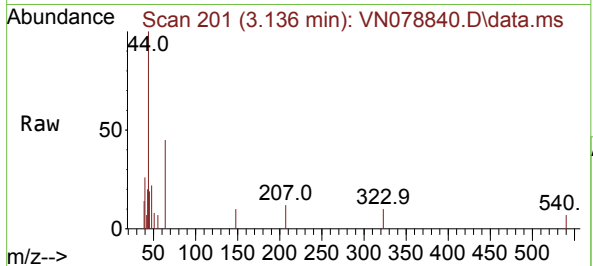




#6
Chloroethane
Concen: 0.966 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.017 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

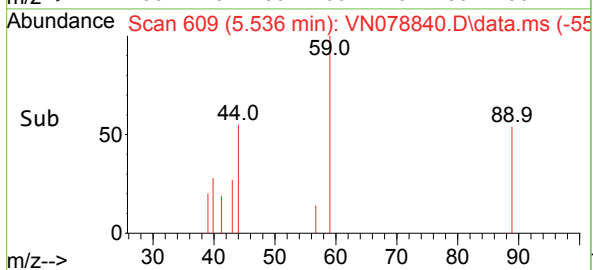
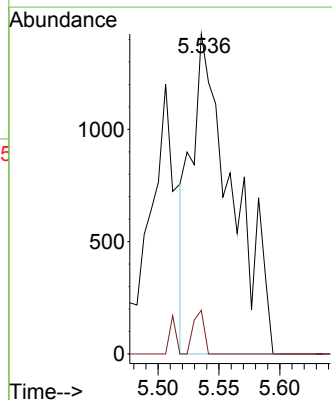
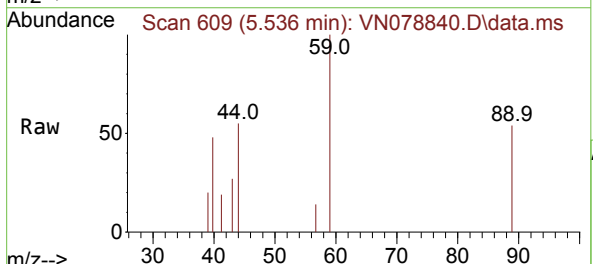
Instrument :
MSVOA_N
ClientSampleId :

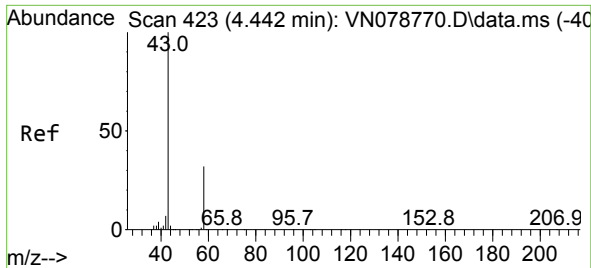
Tgt Ion: 64 Resp: 1757
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 7.517 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

Tgt Ion: 59 Resp: 3367
Ion Ratio Lower Upper
59 100
57 3.6 8.2 12.4#

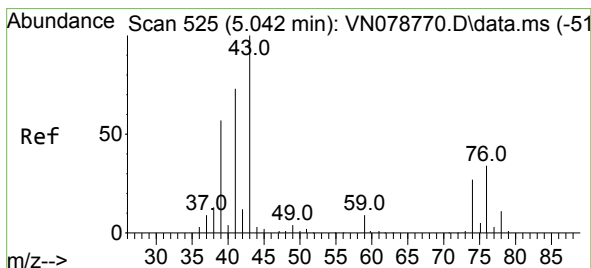
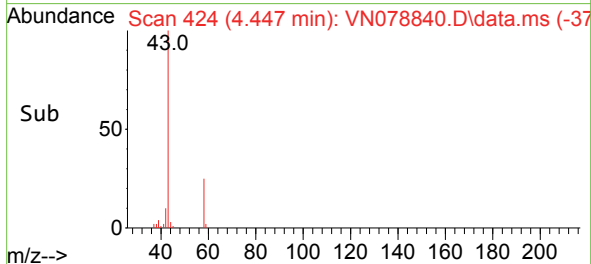
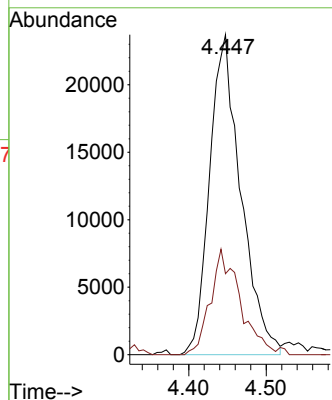
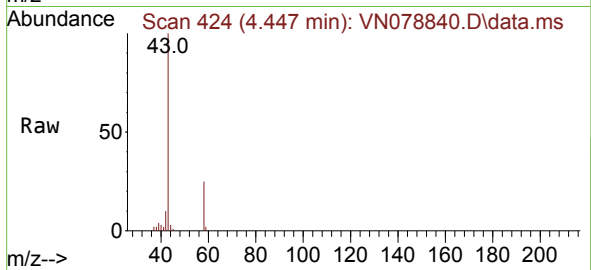




#16
Acetone
Concen: 67.593 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

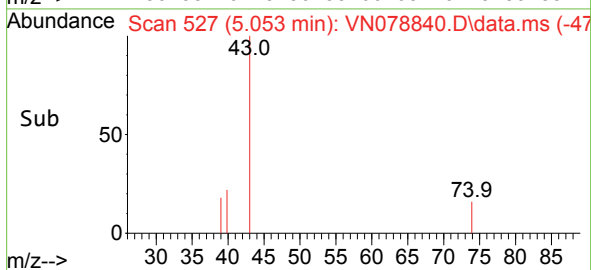
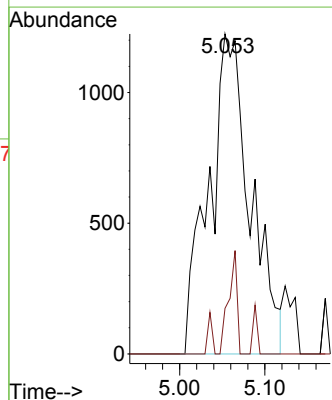
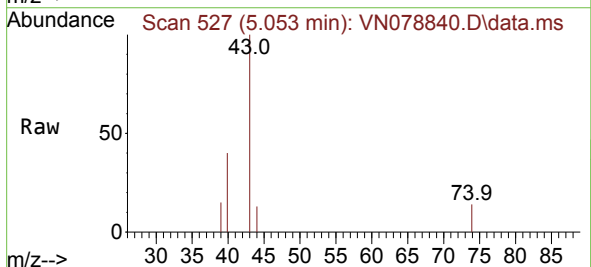
Instrument :
MSVOA_N
ClientSampleId :

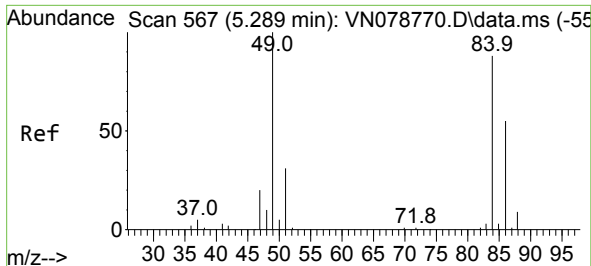
Tgt Ion: 43 Resp: 66372
Ion Ratio Lower Upper
43 100
58 25.3 28.0 42.0#



#18
Methyl Acetate
Concen: 0.937 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.012 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

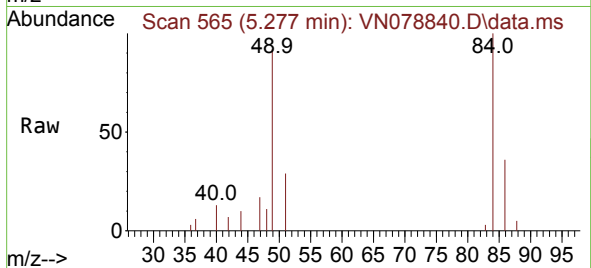
Tgt Ion: 43 Resp: 4132
Ion Ratio Lower Upper
43 100
74 6.7 26.2 39.4#



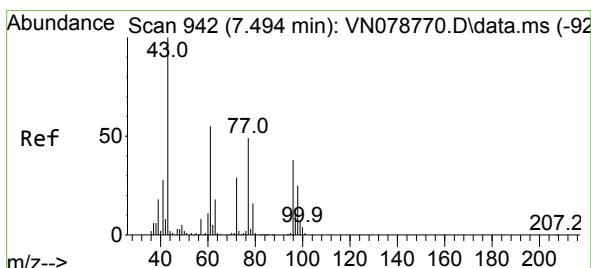
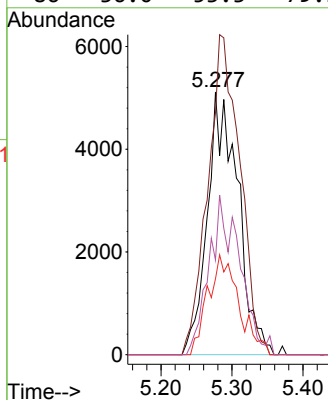
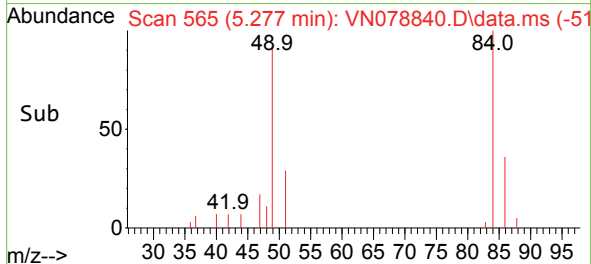


#20
Methylene Chloride
Concen: 6.311 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

Instrument :
MSVOA_N
ClientSampleId :

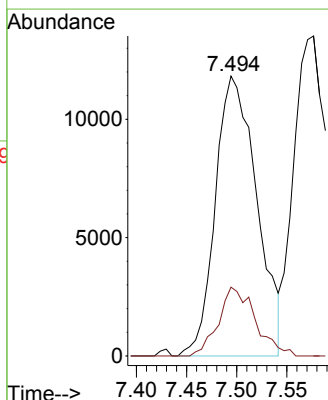
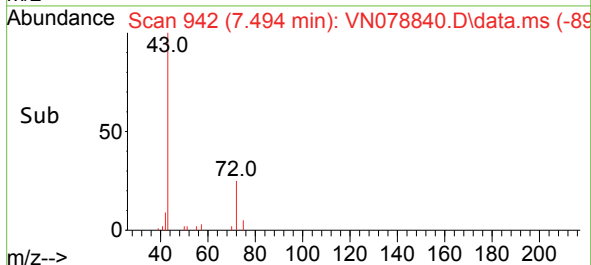
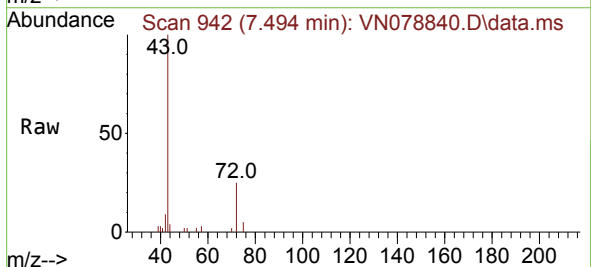


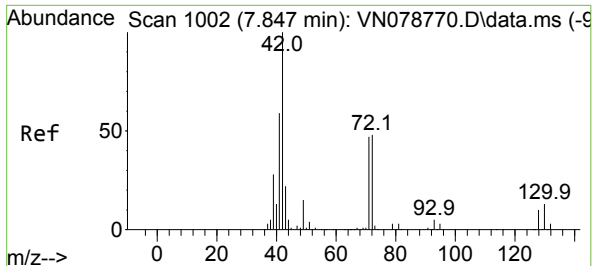
Tgt Ion: 84 Resp: 15348
Ion Ratio Lower Upper
84 100
49 91.9 79.7 119.5
51 28.8 25.2 37.8
86 36.0 53.3 79.9#



#25
2-Butanone
Concen: 20.445 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

Tgt Ion: 43 Resp: 33995
Ion Ratio Lower Upper
43 100
72 24.6 30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.203 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

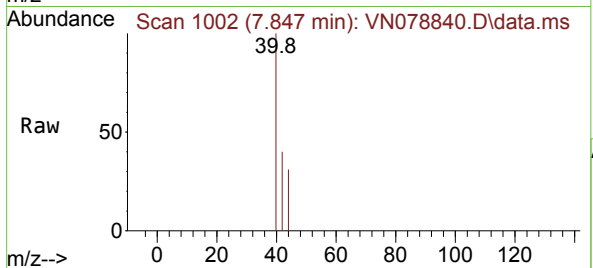
Lab File: VN078840.D

Acq: 10 Aug 2023 16:20

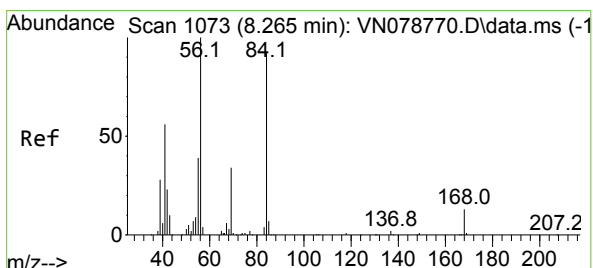
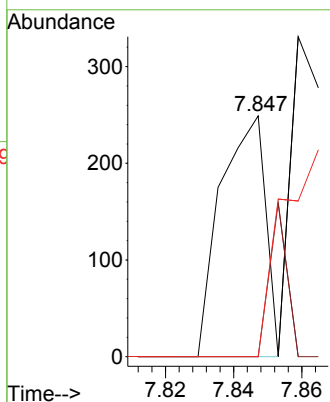
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	226
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.397 ug/l

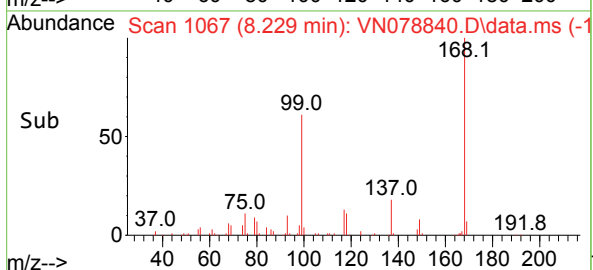
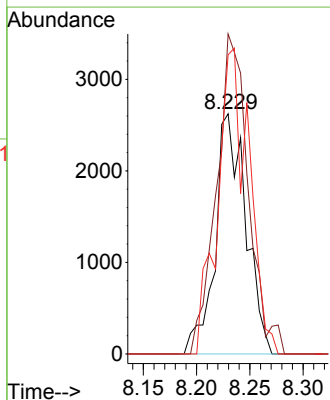
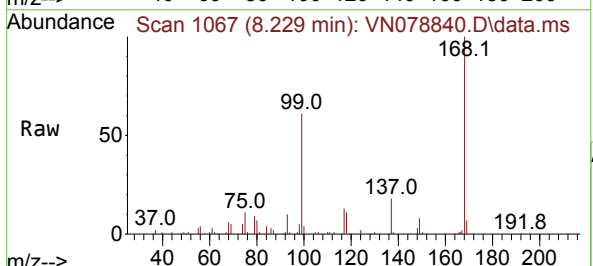
RT: 8.229 min Scan# 1067

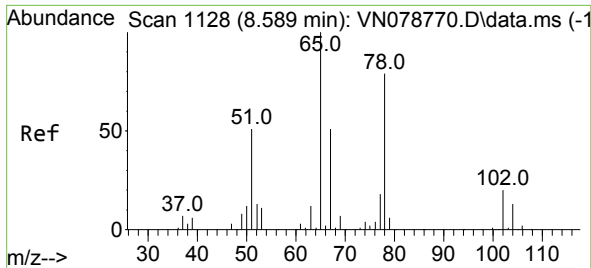
Delta R.T. -0.036 min

Lab File: VN078840.D

Acq: 10 Aug 2023 16:20

Tgt Ion:	56	Resp:	5240
Ion	Ratio	Lower	Upper
56	100		
69	133.3	26.8	40.2#
84	124.6	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.671 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078840.D

Acq: 10 Aug 2023 16:20

Instrument :

MSVOA_N

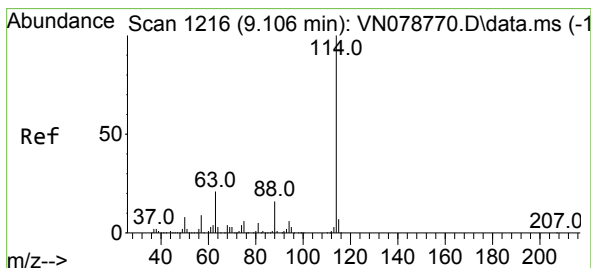
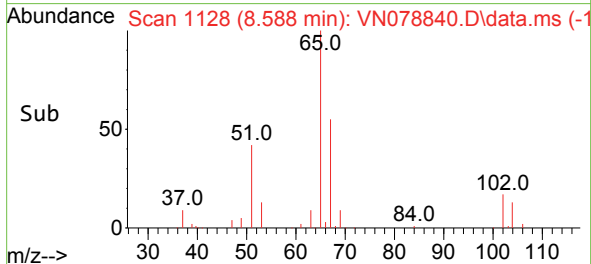
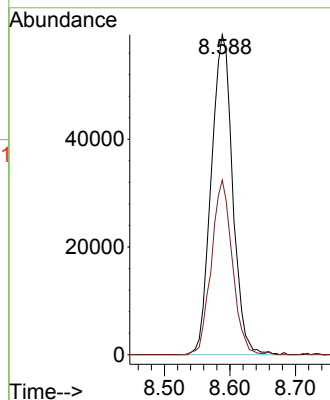
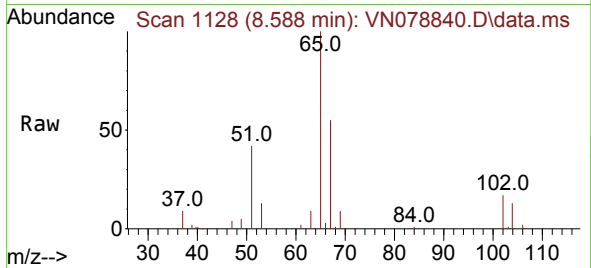
ClientSampleId :

Tgt Ion: 65 Resp: 134421

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078840.D

Acq: 10 Aug 2023 16:20

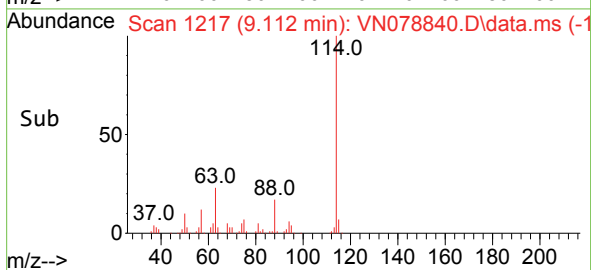
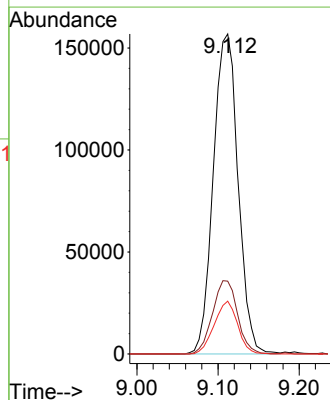
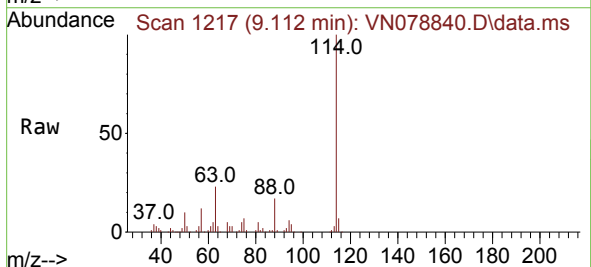
Tgt Ion: 114 Resp: 332938

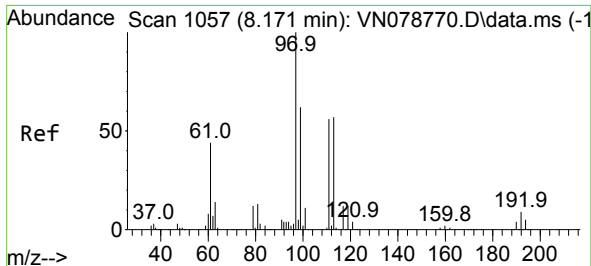
Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.4

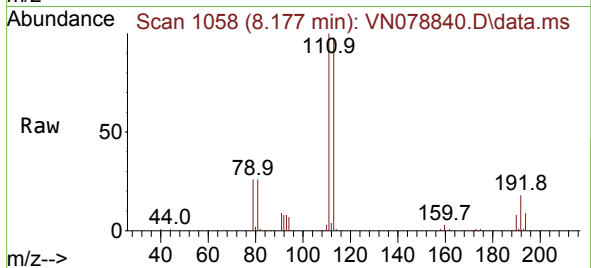
88 16.5 0.0 30.6



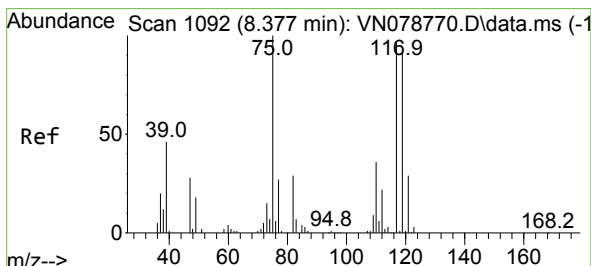
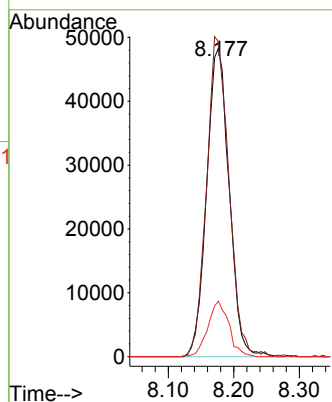
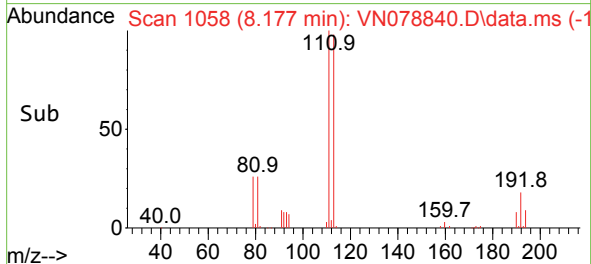


#35
 Dibromofluoromethane
 Concen: 51.187 ug/l
 RT: 8.177 min Scan# 113
 Delta R.T. 0.006 min
 Lab File: VN078840.D
 Acq: 10 Aug 2023 16:20

Instrument :
 MSVOA_N
 ClientSampleId :

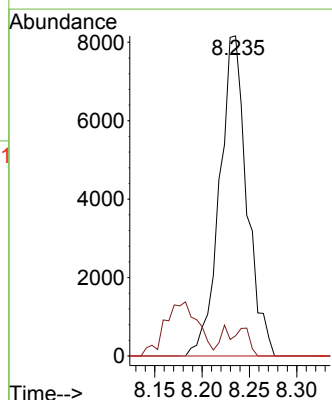
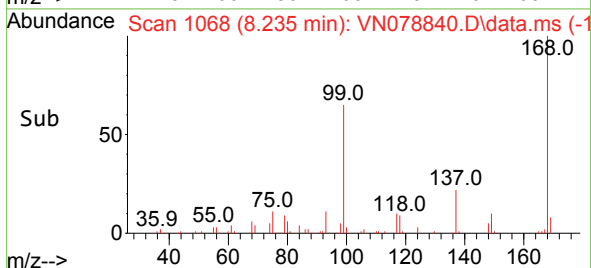
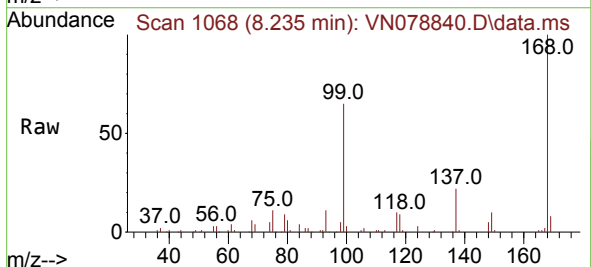


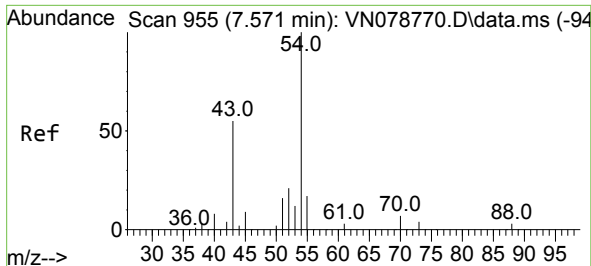
Tgt Ion:113 Resp: 115087
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.6 123.8
 192 17.0 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.688 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078840.D
 Acq: 10 Aug 2023 16:20

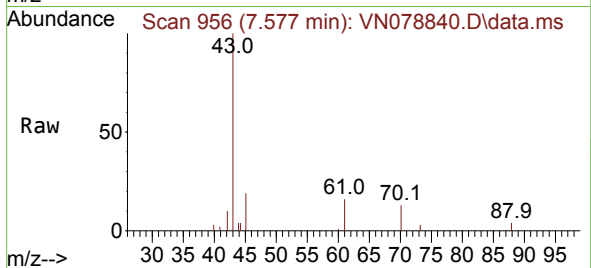
Tgt Ion: 75 Resp: 16351
 Ion Ratio Lower Upper
 75 100
 110 2.4 19.1 57.3#
 77 0.0 25.0 37.4#



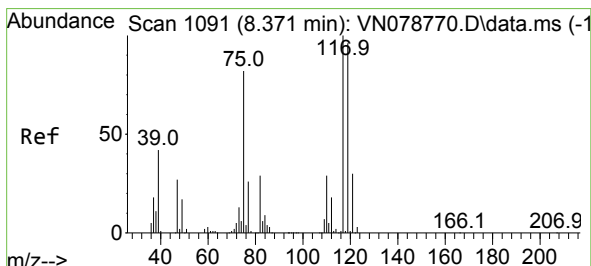
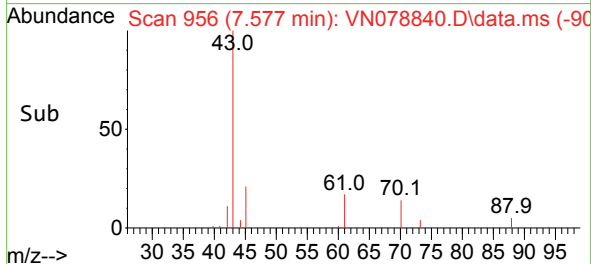
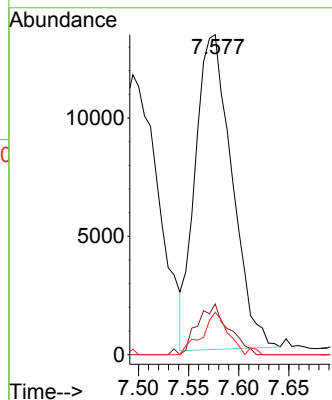


#37
Ethyl Acetate
Concen: 9.106 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

Instrument :
MSVOA_N
ClientSampleId :

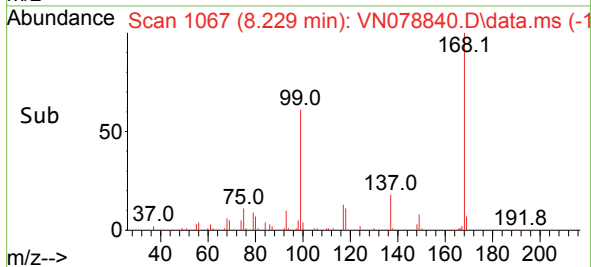
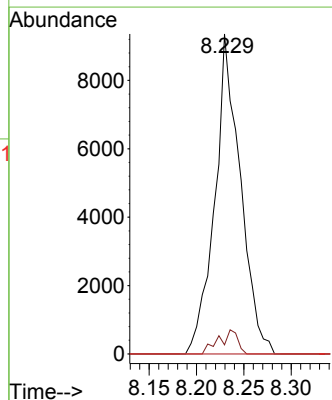
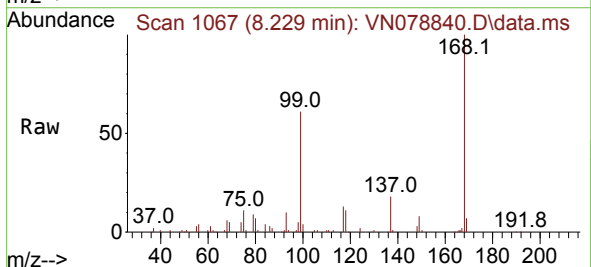


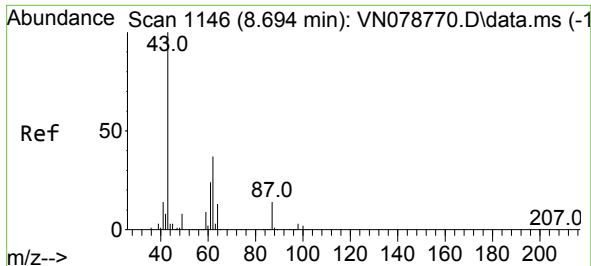
Tgt Ion: 43 Resp: 33770
Ion Ratio Lower Upper
43 100
61 13.9 13.2 19.8
70 9.5 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.892 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

Tgt Ion: 117 Resp: 17591
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 23.3 34.9#

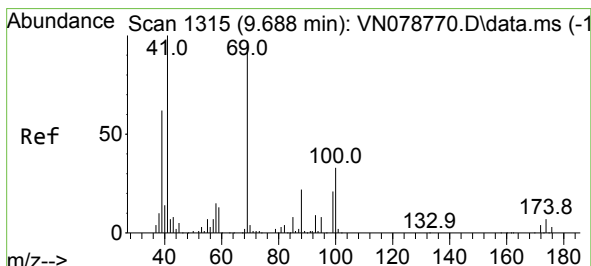
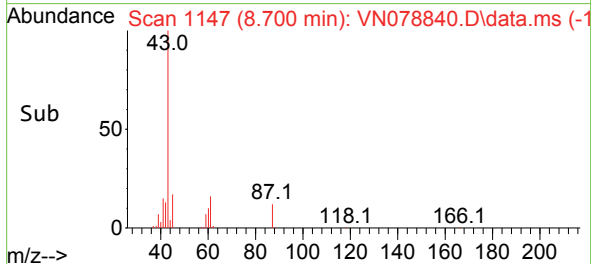
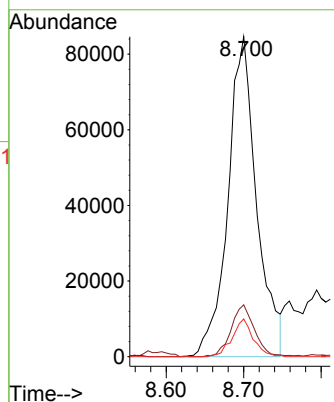
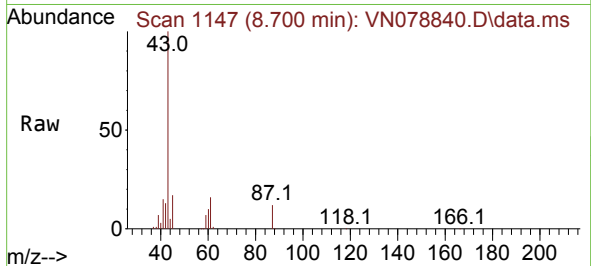




#43
Isopropyl Acetate
Concen: 34.950 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

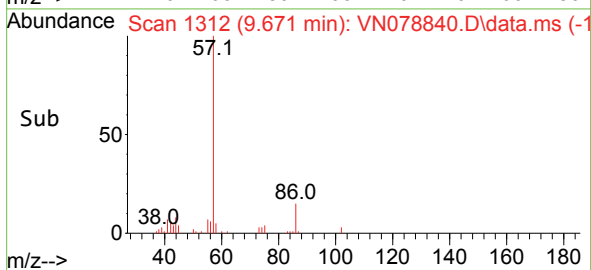
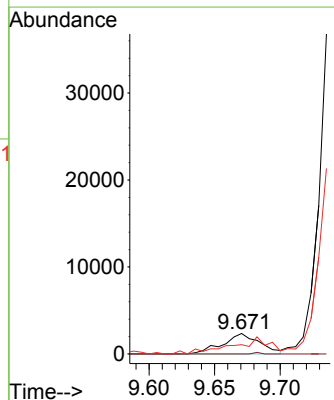
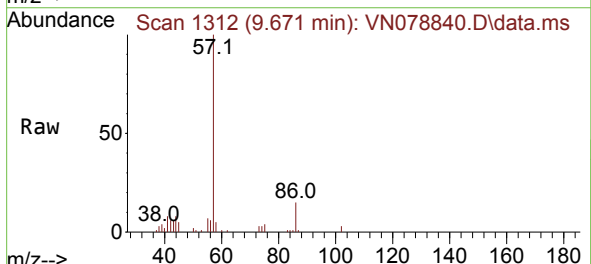
Instrument :
MSVOA_N
ClientSampleId :

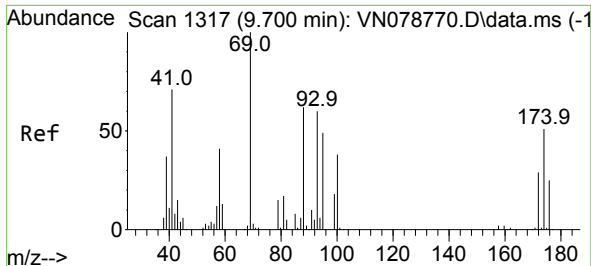
Tgt Ion: 43 Resp: 218534
Ion Ratio Lower Upper
43 100
61 13.4 24.7 37.1#
87 8.7 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.594 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

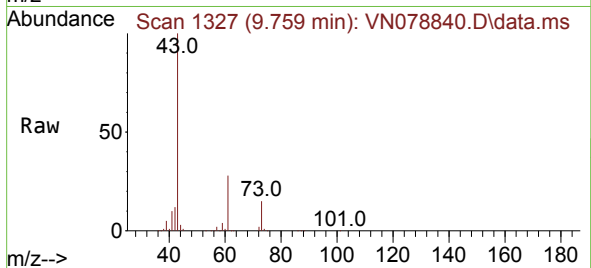
Tgt Ion: 41 Resp: 4605
Ion Ratio Lower Upper
41 100
69 1.4 90.4 135.6#
39 83.8 54.6 81.8#



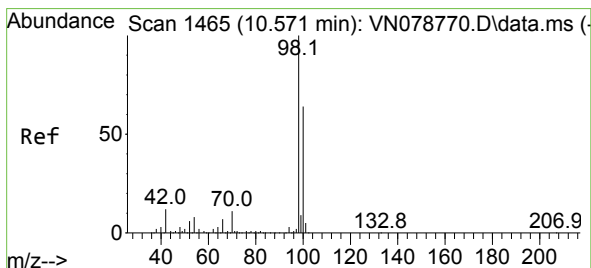
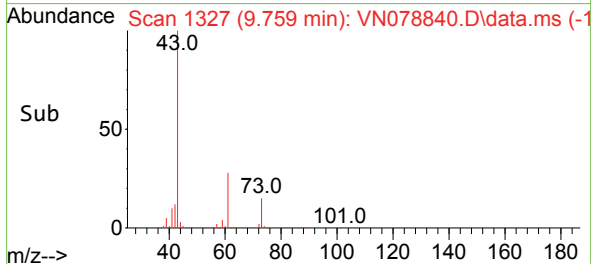
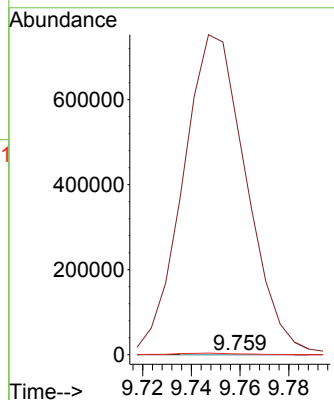


#49
1,4-Dioxane
Concen: 4.242 ug/l
RT: 9.759 min Scan# 1317
Delta R.T. 0.059 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

Instrument :
MSVOA_N
ClientSampleId :

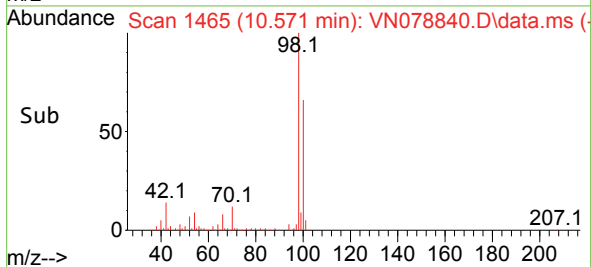
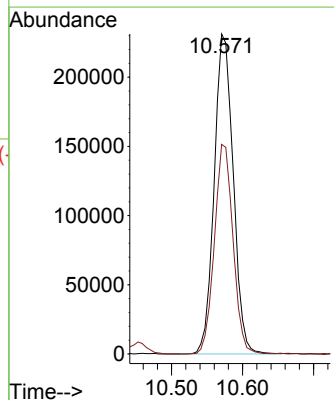
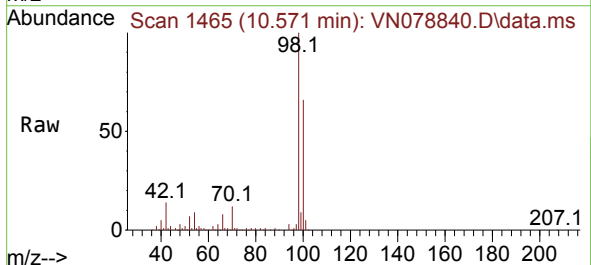


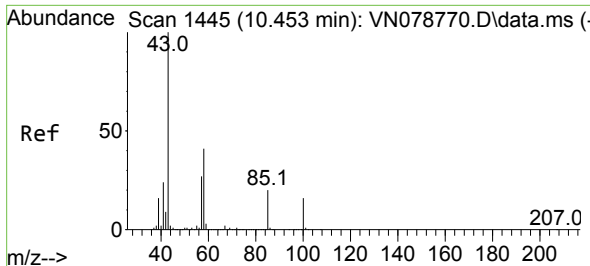
Tgt Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 692313.1 17.0 25.6#
58 3319.1 47.0 70.4#



#50
Toluene-d8
Concen: 51.942 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

Tgt Ion: 98 Resp: 429769
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

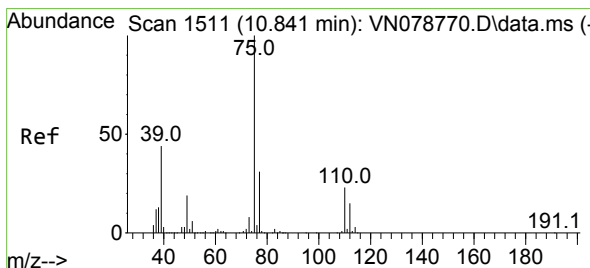
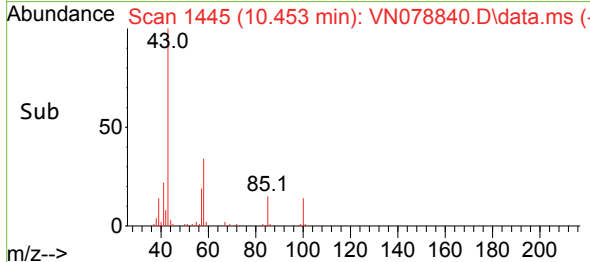
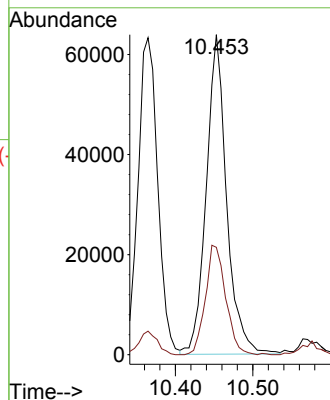
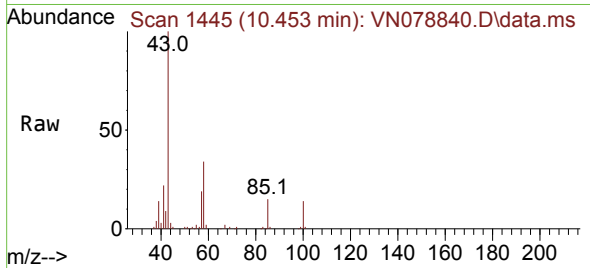




#51
4-Methyl-2-Pentanone
Concen: 30.463 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

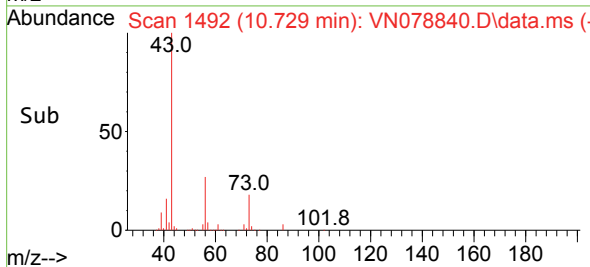
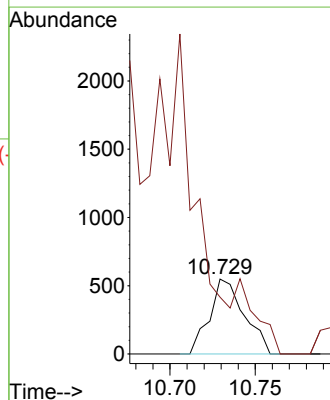
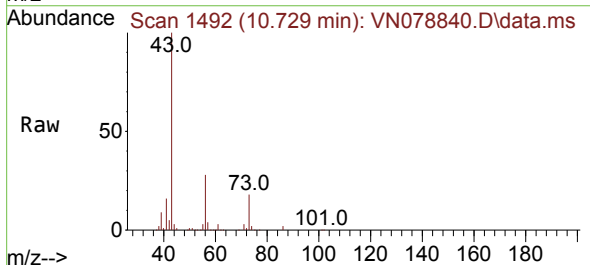
Instrument :
MSVOA_N
ClientSampleId :

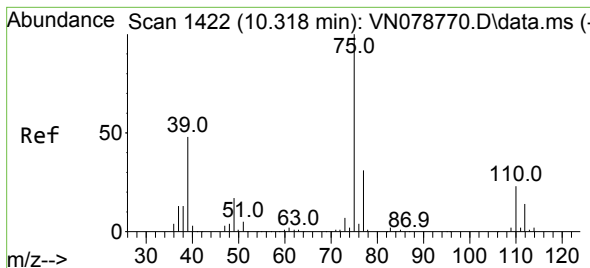
Tgt Ion: 43 Resp: 116670
Ion Ratio Lower Upper
43 100
58 34.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.203 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN078840.D
Acq: 10 Aug 2023 16:20

Tgt Ion: 75 Resp: 777
Ion Ratio Lower Upper
75 100
77 75.8 25.4 38.0#

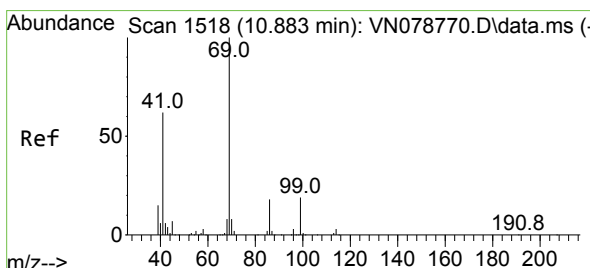
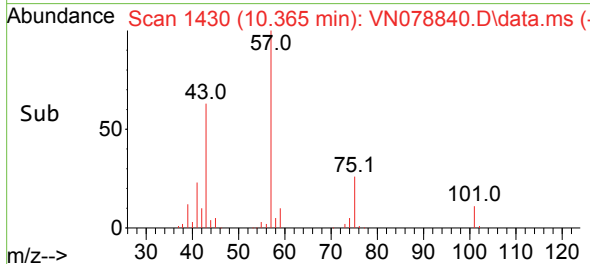
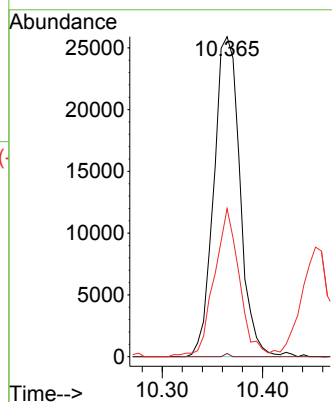
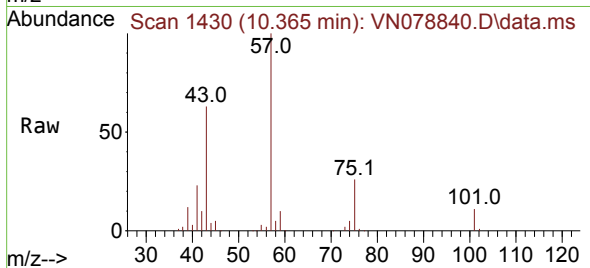




#54
 cis-1,3-Dichloropropene
 Concen: 11.217 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078840.D
 Acq: 10 Aug 2023 16:20

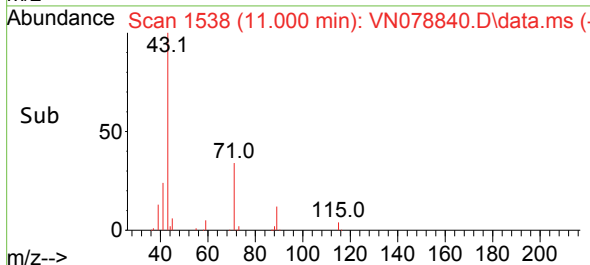
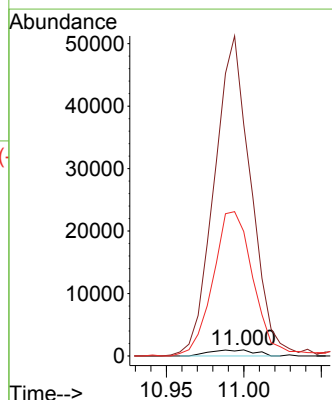
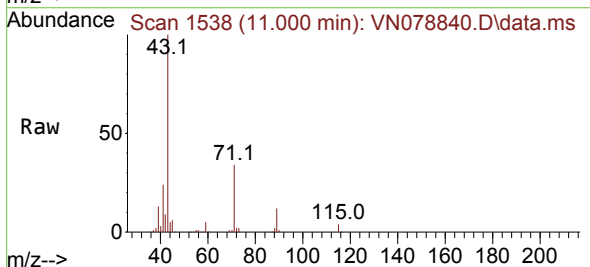
Instrument :
 MSVOA_N
 ClientSampleId :

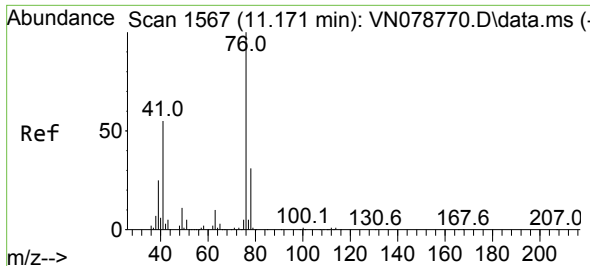
Tgt Ion: 75 Resp: 46654
 Ion Ratio Lower Upper
 75 100
 77 1.0 26.1 39.1#
 39 45.6 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.525 ug/l
 RT: 11.000 min Scan# 1538
 Delta R.T. 0.117 min
 Lab File: VN078840.D
 Acq: 10 Aug 2023 16:20

Tgt Ion: 69 Resp: 1949
 Ion Ratio Lower Upper
 69 100
 41 4330.5 39.6 59.4#
 39 2150.3 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.408 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078840.D

Acq: 10 Aug 2023 16:20

Instrument :

MSVOA_N

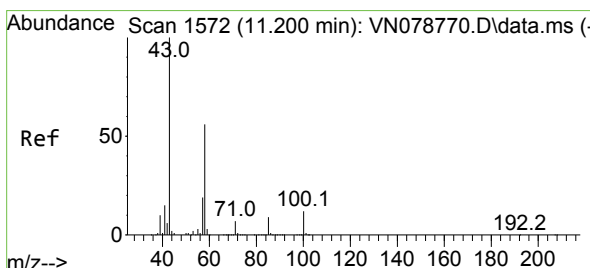
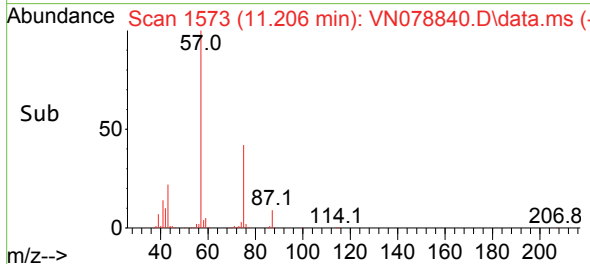
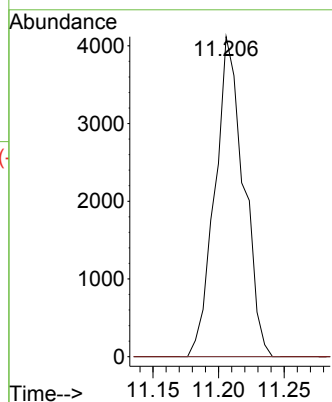
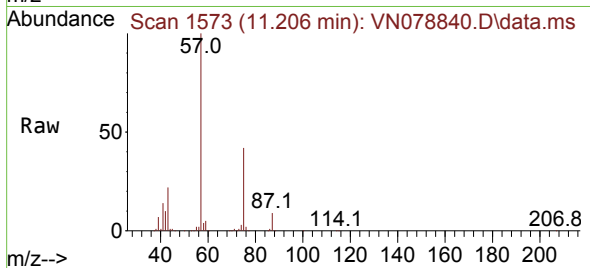
ClientSampleId :

Tgt Ion: 76 Resp: 6271

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 48.720 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078840.D

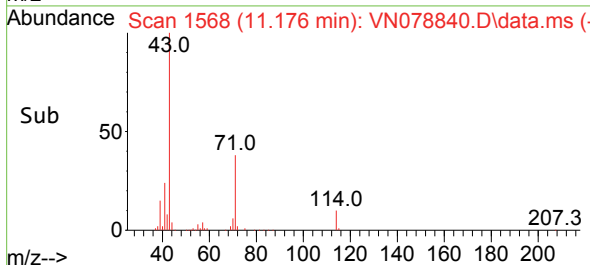
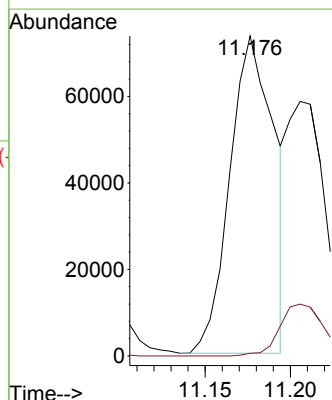
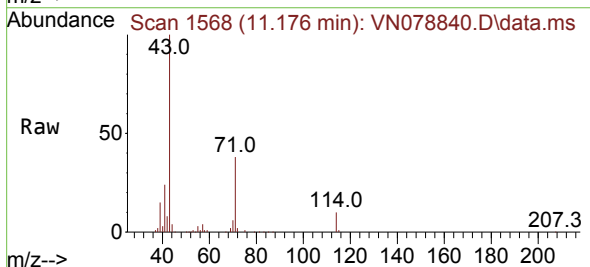
Acq: 10 Aug 2023 16:20

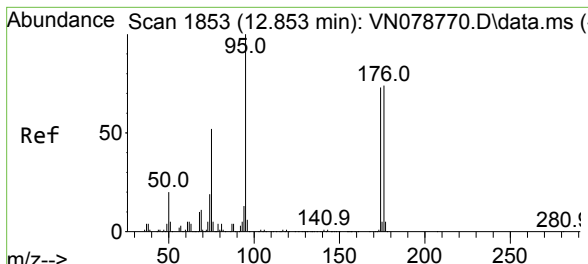
Tgt Ion: 43 Resp: 132126

Ion Ratio Lower Upper

43 100

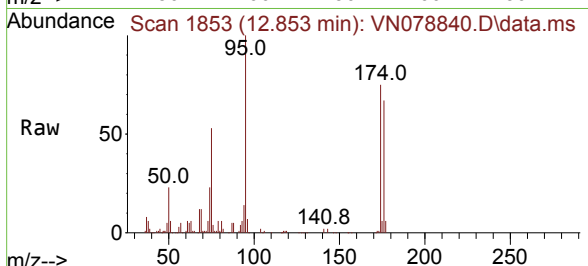
58 0.0 31.7 95.1#



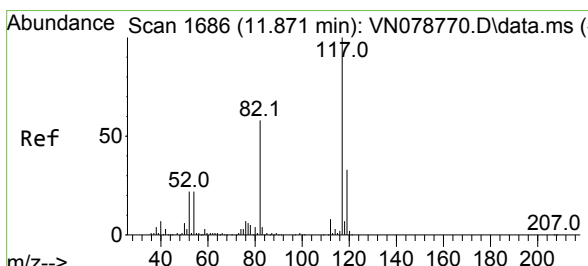
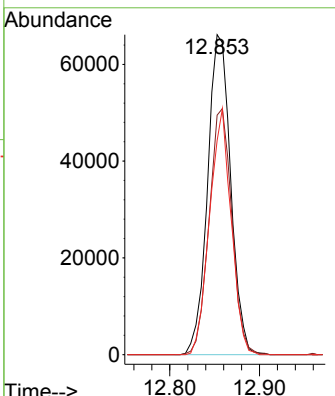
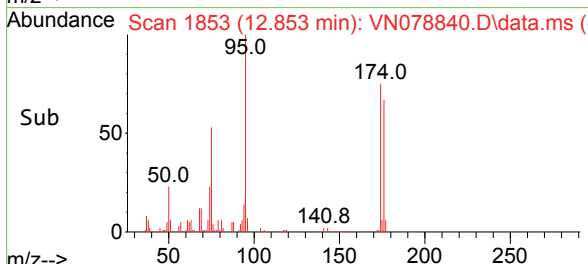


#62
 4-Bromofluorobenzene
 Concen: 47.821 ug/l
 RT: 12.853 min Scan# 118251
 Delta R.T. -0.000 min
 Lab File: VN078840.D
 Acq: 10 Aug 2023 16:20

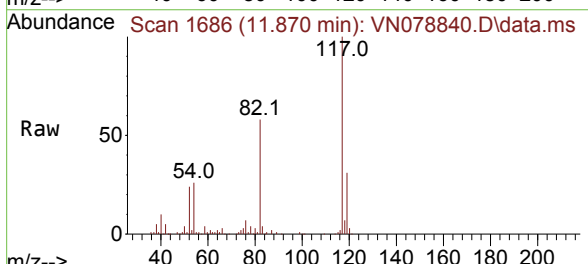
Instrument :
 MSVOA_N
 ClientSampleId :



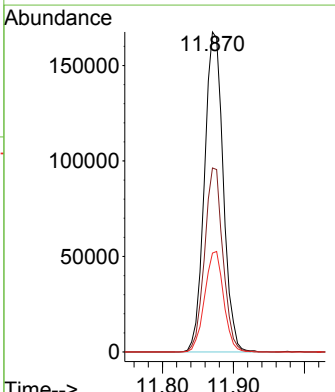
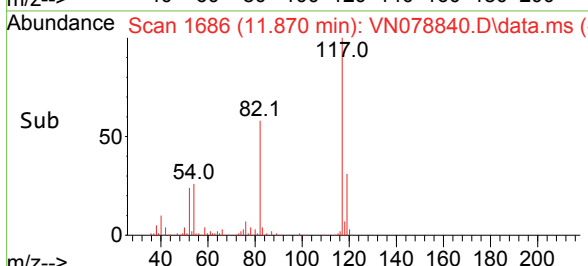
Tgt Ion:	95	Resp:	118251
Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	143.8
176	71.6	0.0	135.8

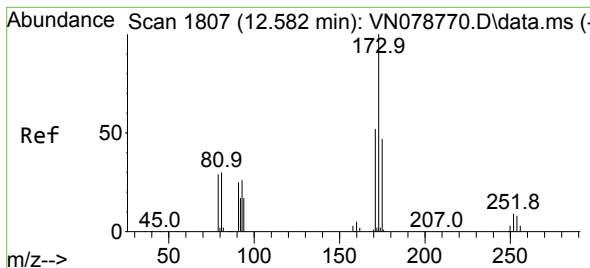


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078840.D
 Acq: 10 Aug 2023 16:20



Tgt Ion:	117	Resp:	307054
Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.0	66.0
119	30.9	25.6	38.4





#71

Bromoform

Concen: 0.669 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.264 min

Lab File: VN078840.D

Acq: 10 Aug 2023 16:20

Instrument :

MSVOA_N

ClientSampleId :

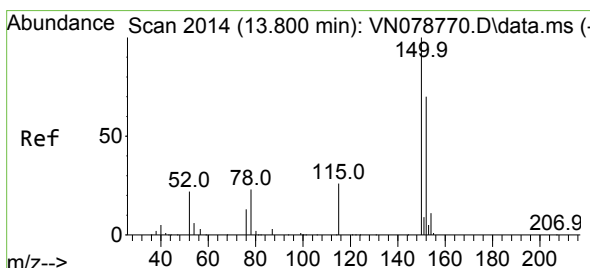
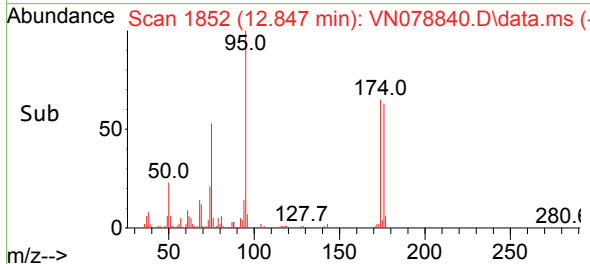
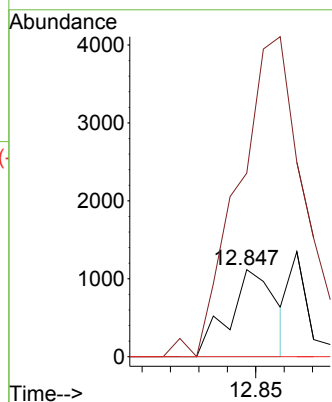
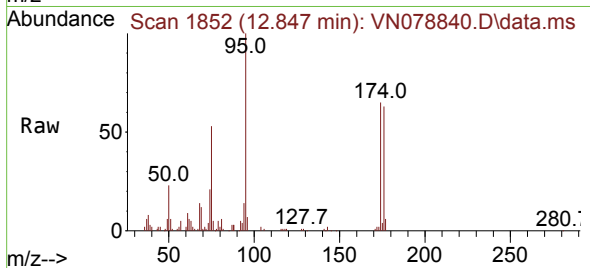
Tgt Ion:173 Resp: 1264

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: VN078840.D

Acq: 10 Aug 2023 16:20

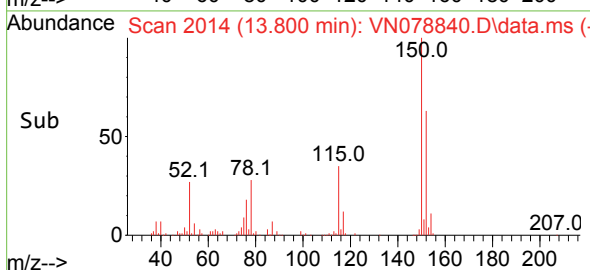
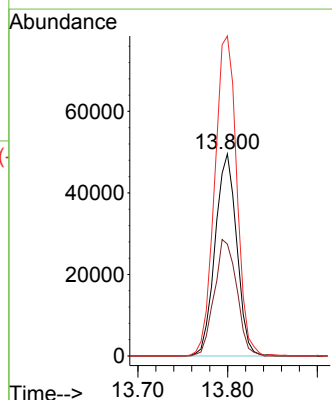
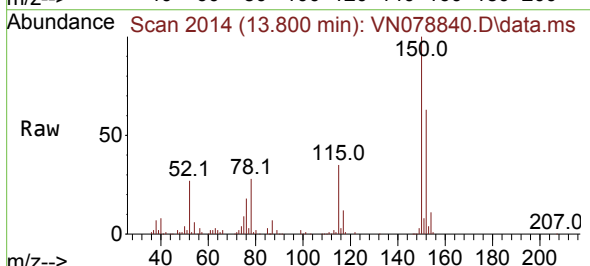
Tgt Ion:152 Resp: 82851

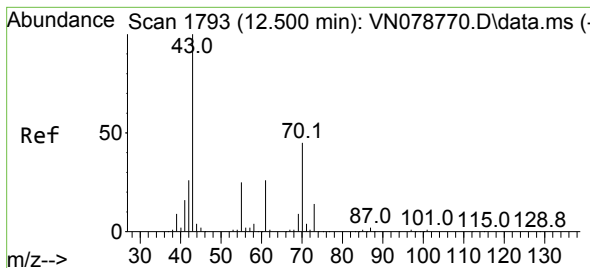
Ion Ratio Lower Upper

152 100

115 59.8 32.3 96.8

150 161.6 0.0 355.8





#74

N-amy1 acetate

Concen: 1.063 ug/l

RT: 12.470 min Scan# 1

Delta R.T. -0.030 min

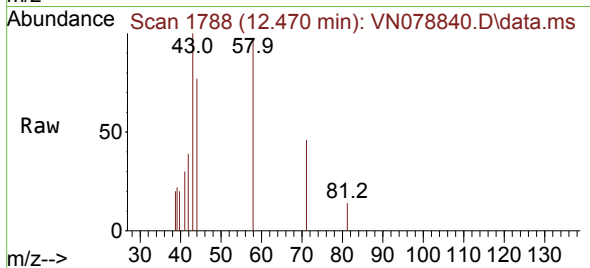
Lab File: VN078840.D

Acq: 10 Aug 2023 16:20

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 3931

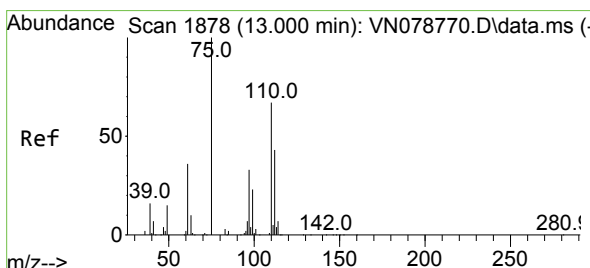
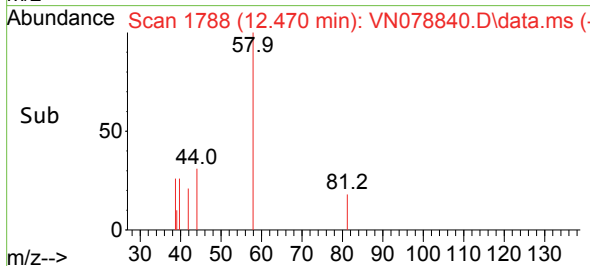
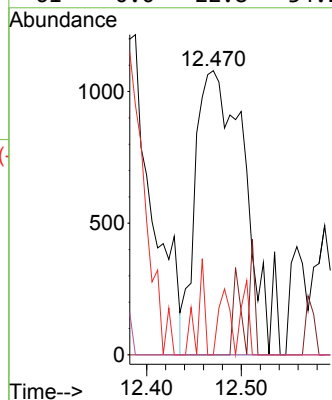
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 4.9 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 28.716 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078840.D

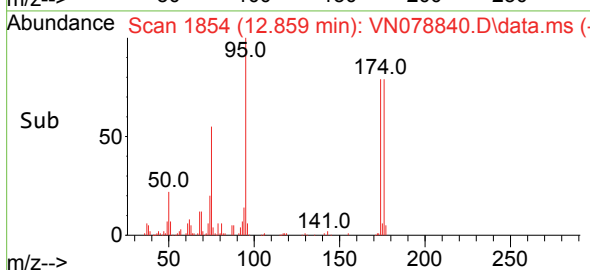
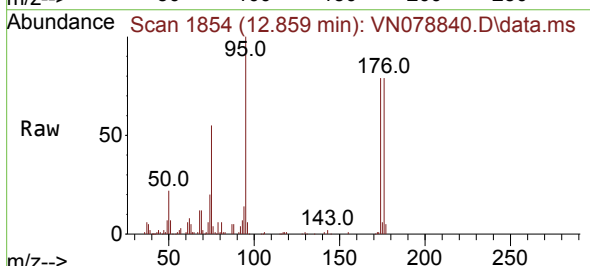
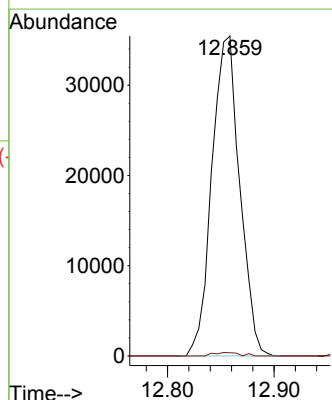
Acq: 10 Aug 2023 16:20

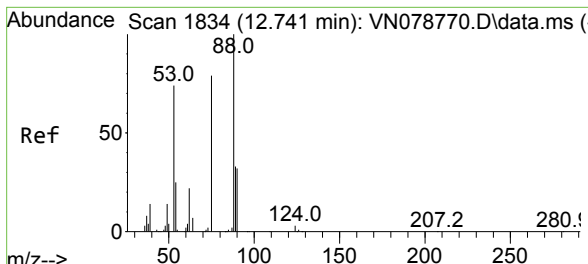
Tgt Ion: 75 Resp: 64325

Ion Ratio Lower Upper

75 100

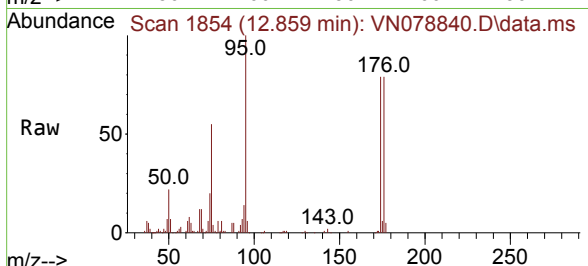
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.056 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN078840.D
 Acq: 10 Aug 2023 16:20

Instrument :
 MSVOA_N
 ClientSampleId :



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

