

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
 Data File : VN078947.D
 Acq On : 18 Aug 2023 17:11
 Operator : JC\MD
 Sample : PB154902ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 23:45:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

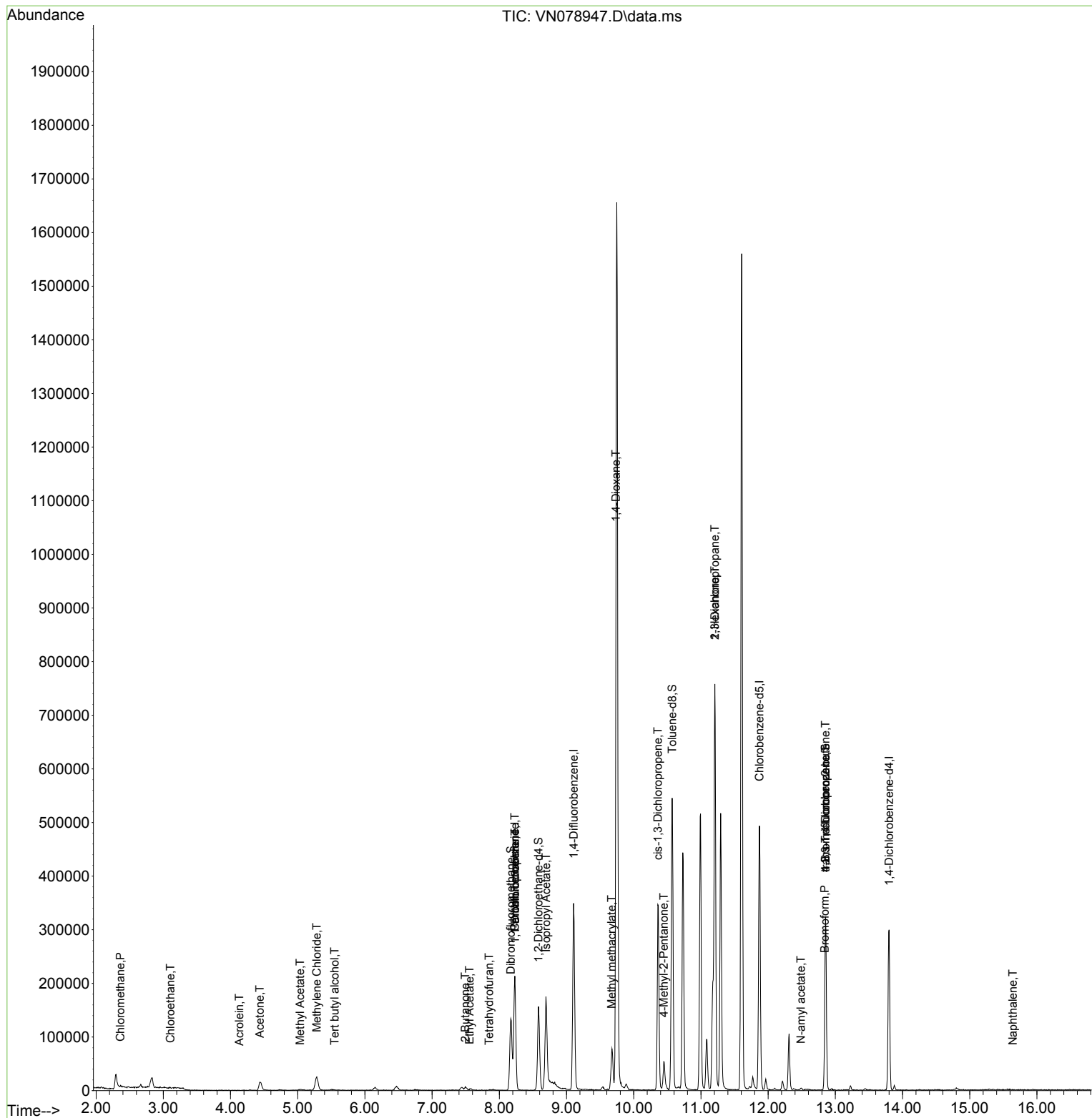
Internal Standards						
1) Pentafluorobenzene	8.230	168	149595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	275884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	81514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117123	50.314	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.620%	
35) Dibromofluoromethane	8.171	113	95930	50.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.340%	
50) Toluene-d8	10.571	98	369102	52.506	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.020%	
62) 4-Bromofluorobenzene	12.853	95	103494	45.042	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1245	0.430	ug/l #	83
6) Chloroethane	3.106	64	711	0.400	ug/l #	43
11) Tert butyl alcohol	5.547	59	256	0.655	ug/l #	72
13) Acrolein	4.130	56	53	7.053	ug/l #	16
16) Acetone	4.436	43	30217	31.460	ug/l	91
18) Methyl Acetate	5.036	43	2720	0.670	ug/l #	71
20) Methylene Chloride	5.283	84	18050	8.818	ug/l #	71
25) 2-Butanone	7.494	43	8788	5.707	ug/l	99
29) Tetrahydrofuran	7.847	42	817	0.802	ug/l #	28
31) Cyclohexane	8.230	56	3357	Below Cal	#	59
36) 1,1-Dichloropropene	8.236	75	13229	4.645	ug/l #	47
37) Ethyl Acetate	7.559	43	1805	0.566	ug/l #	77
38) Carbon Tetrachloride	8.230	117	15674	5.493	ug/l #	16
43) Isopropyl Acetate	8.694	43	197739	35.110	ug/l #	76
48) Methyl methacrylate	9.671	41	5037	1.974	ug/l #	33
49) 1,4-Dioxane	9.735	88	214	4.923	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	41760	12.502	ug/l #	81
54) cis-1,3-Dichloropropene	10.359	75	55840	15.750	ug/l #	68
57) 1,3-Dichloropropane	11.206	76	7807	2.106	ug/l #	42
59) 2-Hexanone	11.206	43	104728	43.287	ug/l #	45
71) Bromoform	12.841	173	401	0.249	ug/l #	28
74) N-amyl acetate	12.488	43	1891	0.551	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	59531	30.310	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59531	77.428	ug/l #	15
95) Naphthalene	15.641	128	367	2.667	ug/l #	70

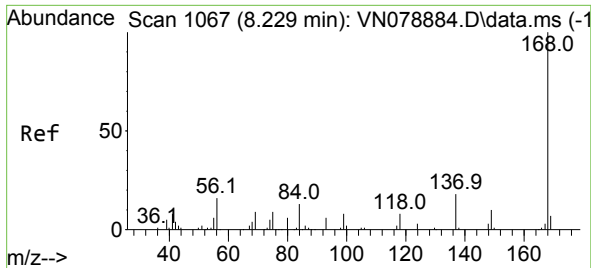
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
Data File : VN078947.D
Acq On : 18 Aug 2023 17:11
Operator : JC\MD
Sample : PB154902ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 18 23:45:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

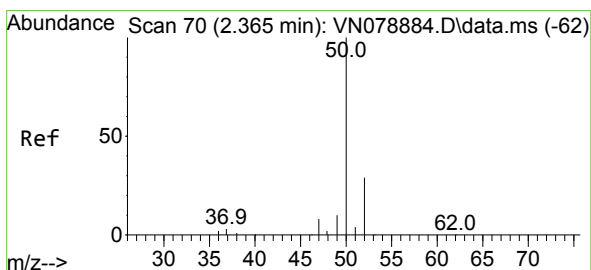
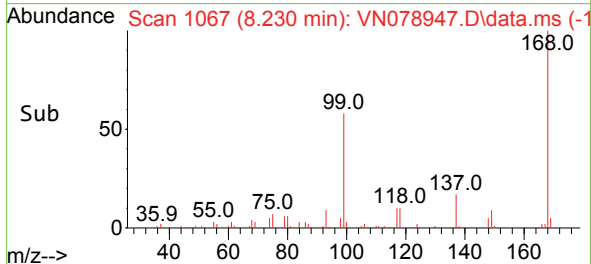
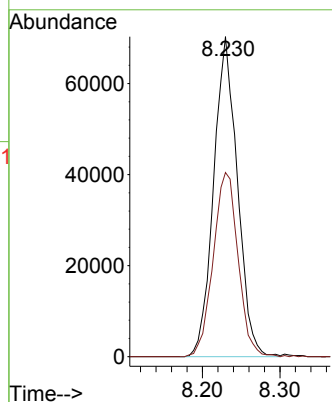
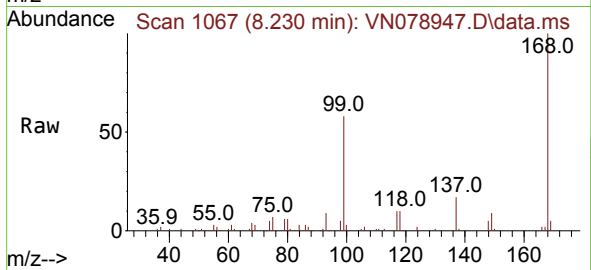




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

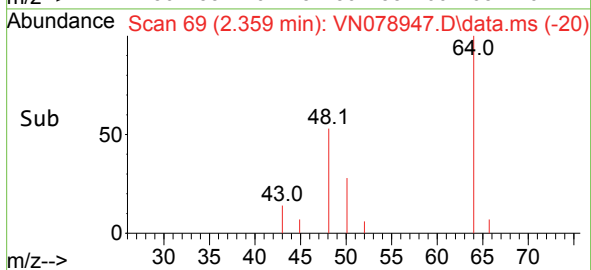
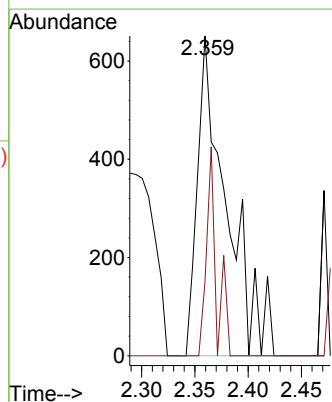
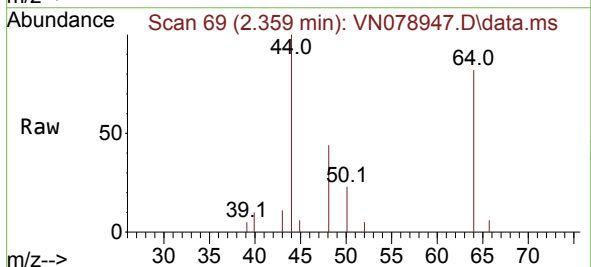
Instrument :
MSVOA_N
ClientSampleId :

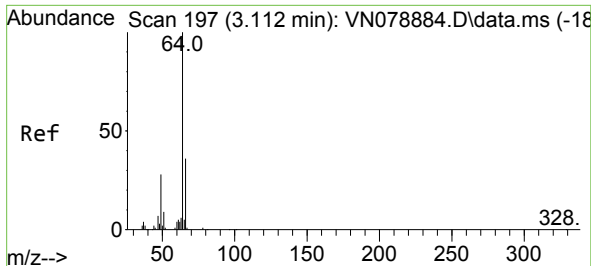
Tgt Ion:168 Resp: 149595
Ion Ratio Lower Upper
168 100
99 57.5 53.0 79.6



#3
Chloromethane
Concen: 0.430 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.012 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Tgt Ion: 50 Resp: 1245
Ion Ratio Lower Upper
50 100
52 23.2 26.5 39.7#

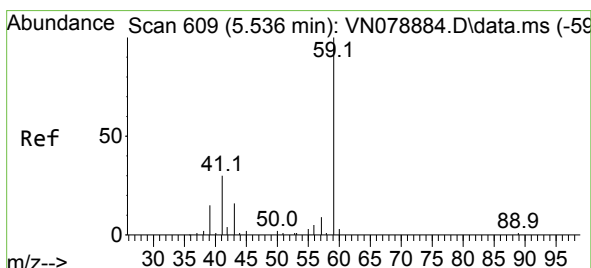
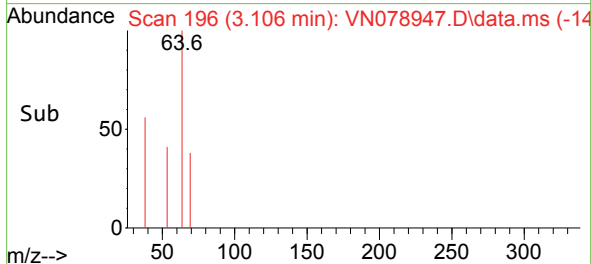
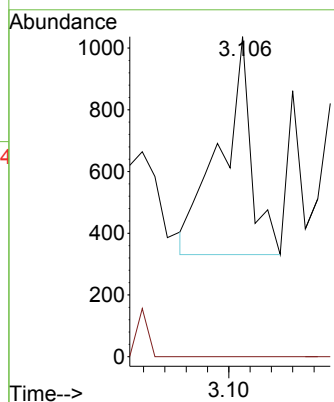
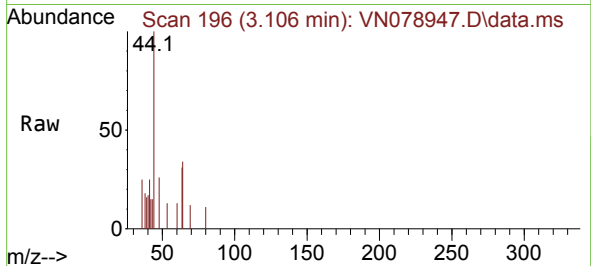




#6
Chloroethane
Concen: 0.400 ug/l
RT: 3.106 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

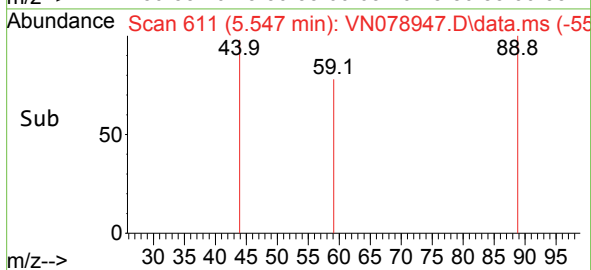
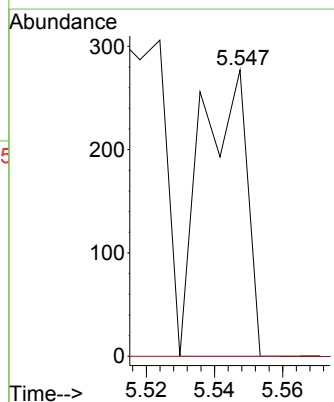
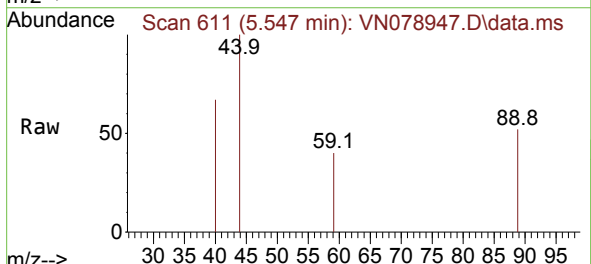
Instrument :
MSVOA_N
ClientSampleId :

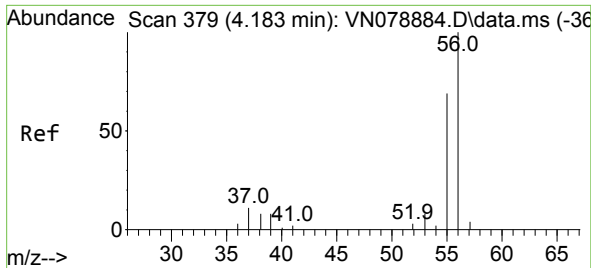
Tgt Ion: 64 Resp: 711
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.655 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.005 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

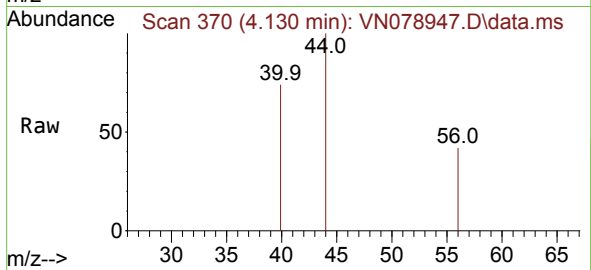
Tgt Ion: 59 Resp: 256
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



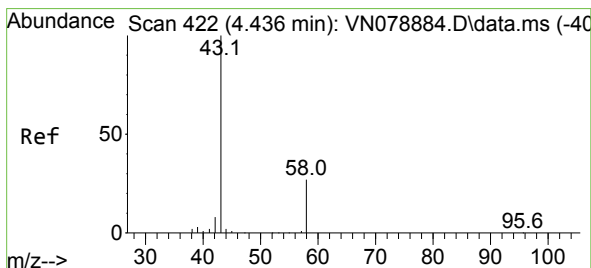
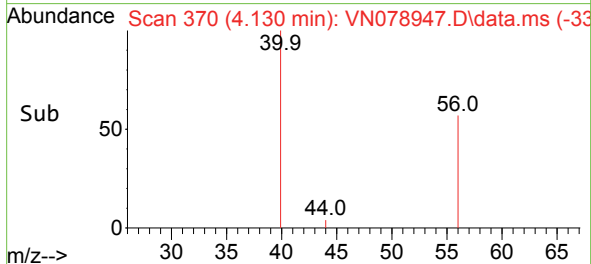
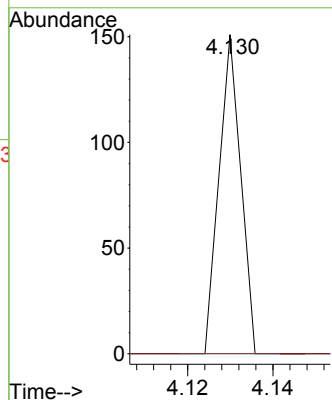


#13
Acrolein
Concen: 7.053 ug/l
RT: 4.130 min Scan# 31
Delta R.T. -0.065 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

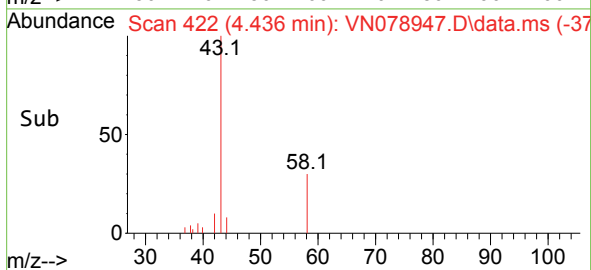
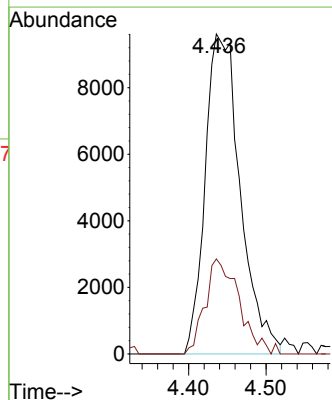
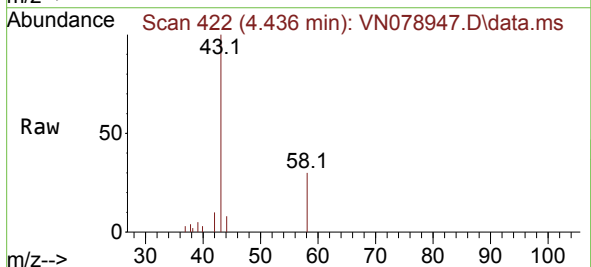


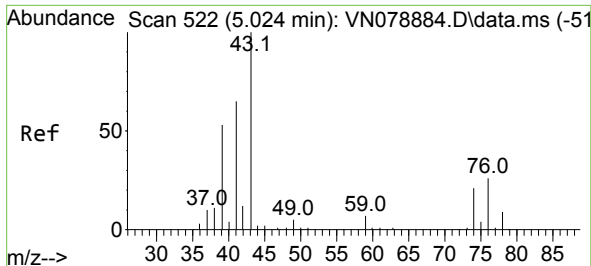
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 31.460 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Tgt Ion: 43 Resp: 30217
Ion Ratio Lower Upper
43 100
58 29.7 28.0 42.0

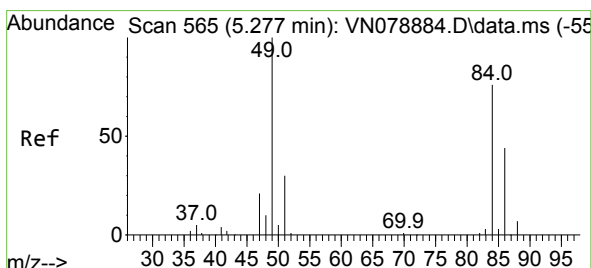
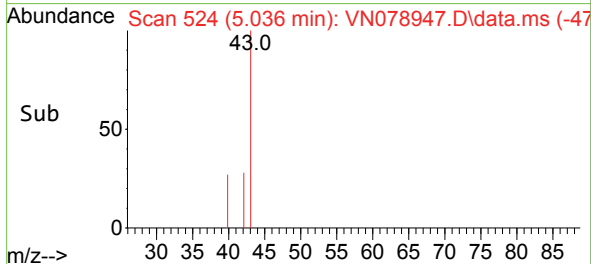
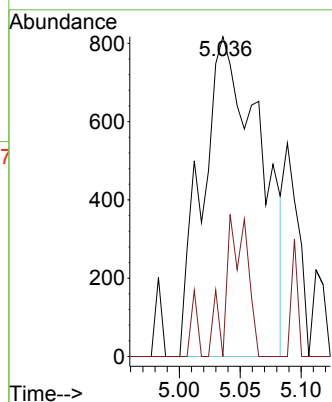
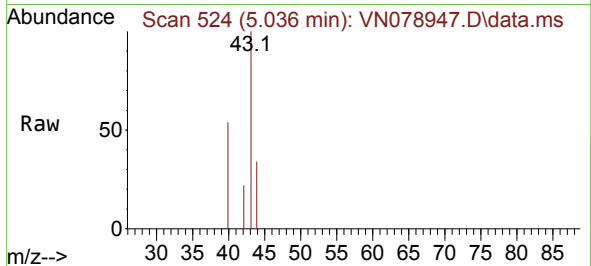




#18
Methyl Acetate
Concen: 0.670 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

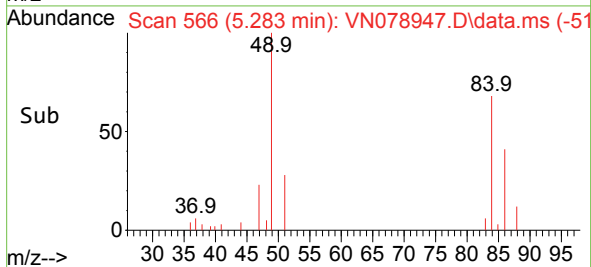
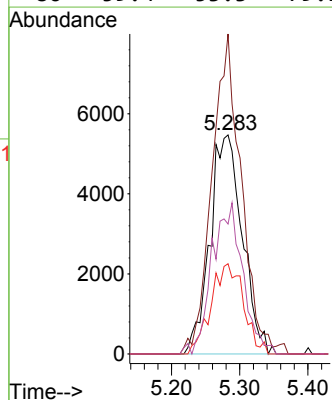
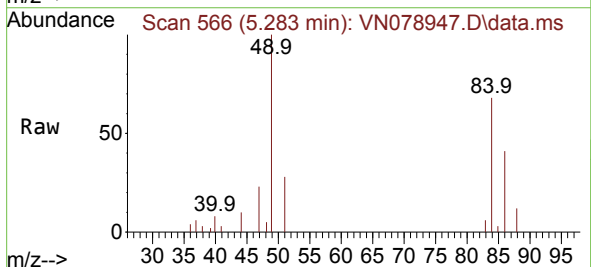
Instrument :
MSVOA_N
ClientSampleId :

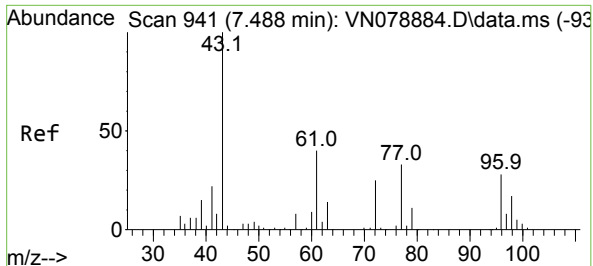
Tgt Ion: 43 Resp: 2720
Ion Ratio Lower Upper
43 100
74 16.3 26.2 39.4#



#20
Methylene Chloride
Concen: 8.818 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Tgt Ion: 84 Resp: 18050
Ion Ratio Lower Upper
84 100
49 146.1 79.7 119.5#
51 41.2 25.2 37.8#
86 59.4 53.3 79.9





#25

2-Butanone

Concen: 5.707 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

Instrument :

MSVOA_N

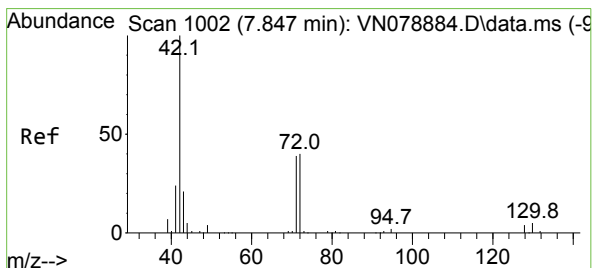
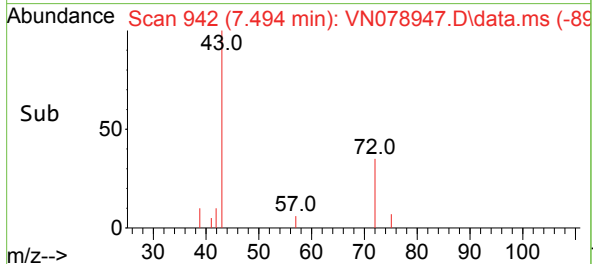
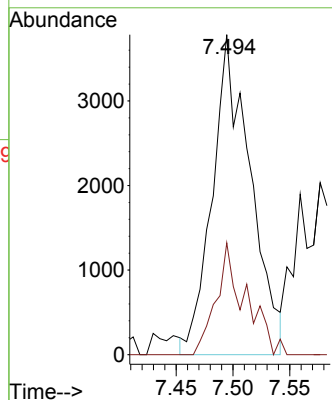
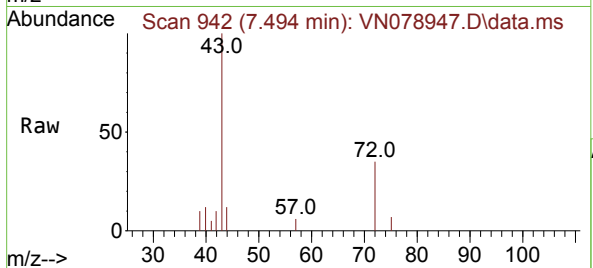
ClientSampleId :

Tgt Ion: 43 Resp: 8788

Ion Ratio Lower Upper

43 100

72 36.9 30.2 45.2



#29

Tetrahydrofuran

Concen: 0.802 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

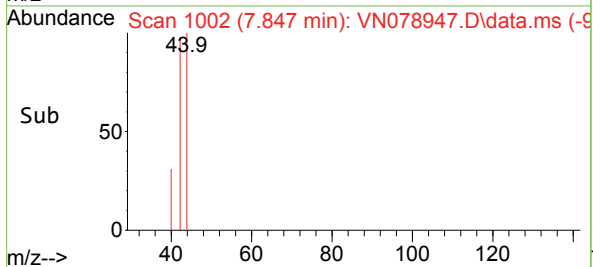
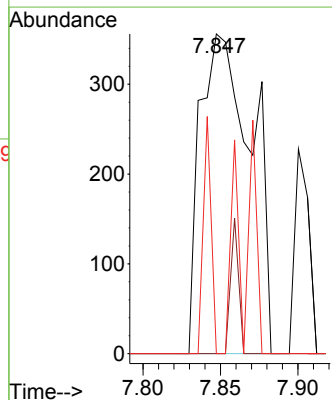
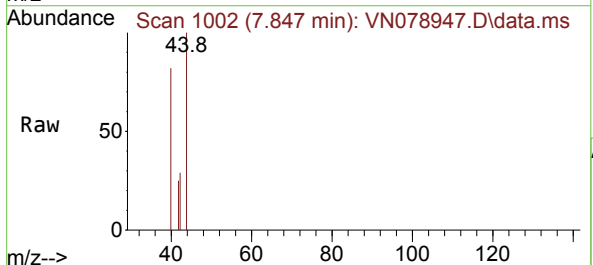
Tgt Ion: 42 Resp: 817

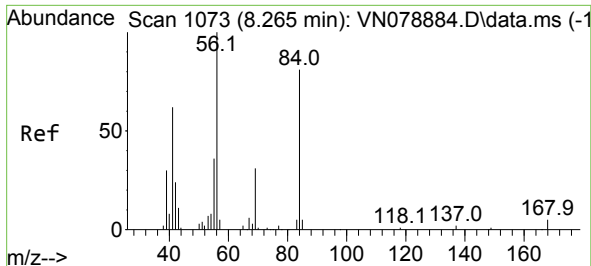
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

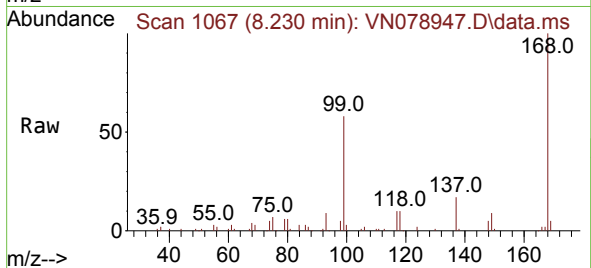
71 11.4 47.4 71.2#



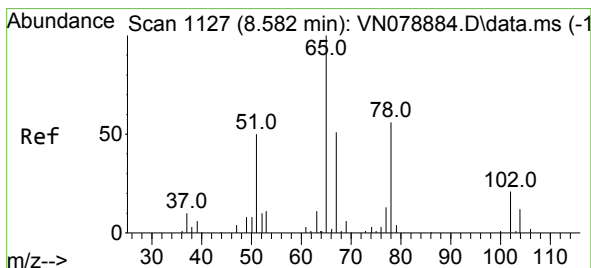
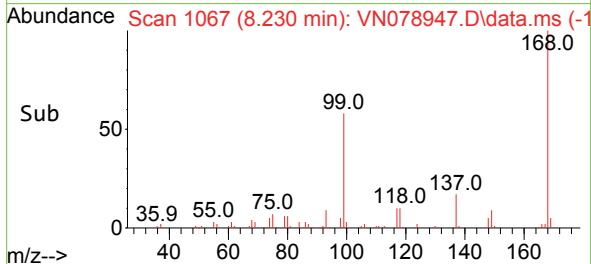
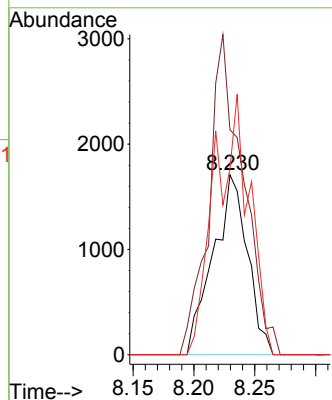


#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

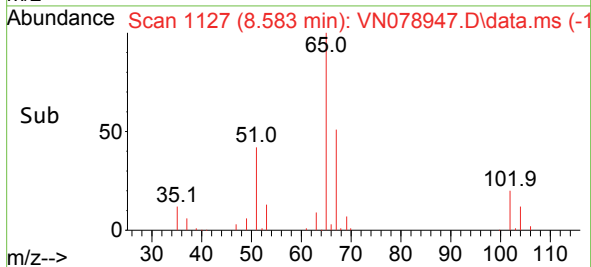
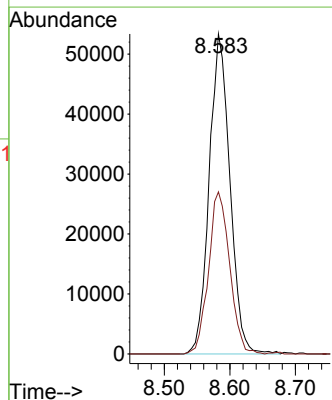
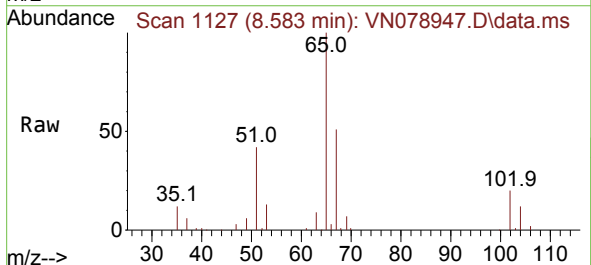


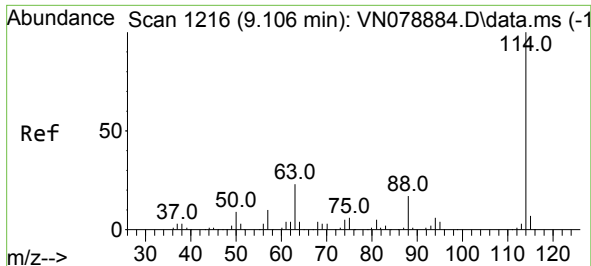
Tgt Ion: 56 Resp: 3357
Ion Ratio Lower Upper
56 100
69 125.0 26.8 40.2#
84 103.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.314 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Tgt Ion: 65 Resp: 117123
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

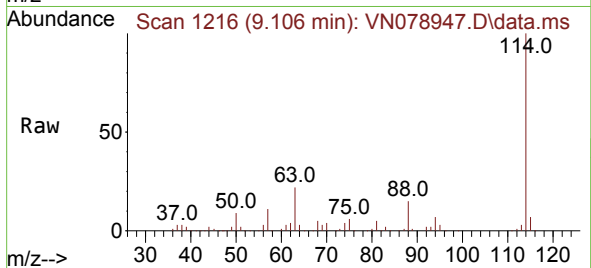
Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :



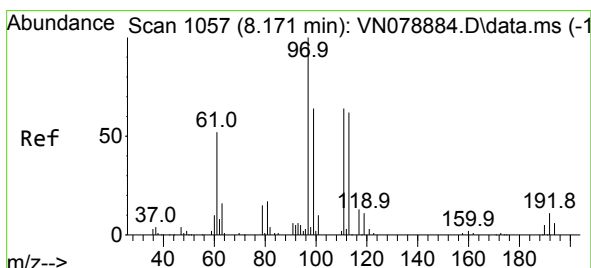
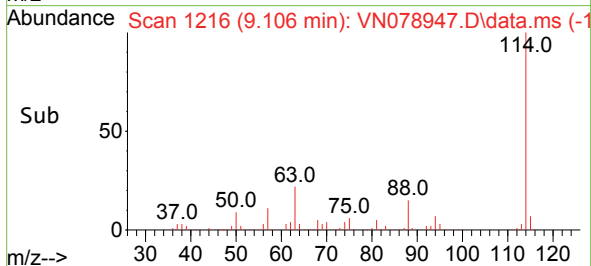
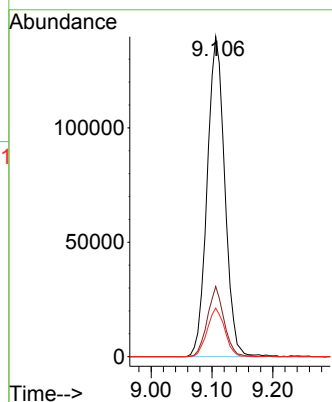
Tgt Ion:114 Resp: 281251

Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.670 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

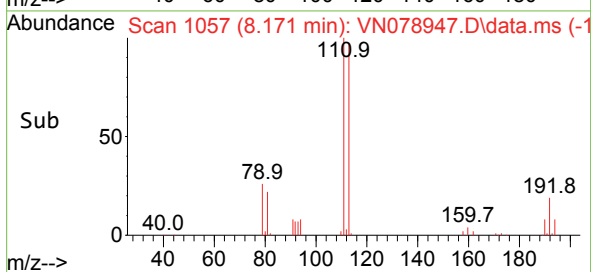
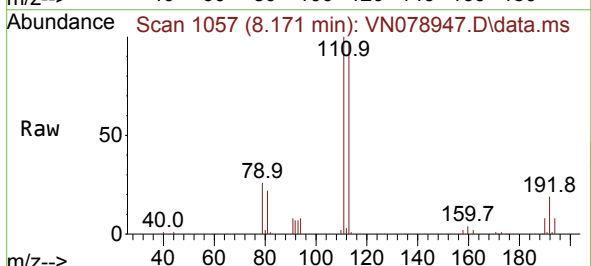
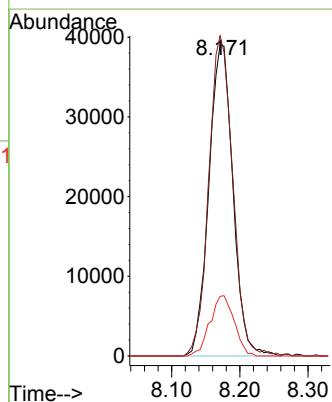
Tgt Ion:113 Resp: 95930

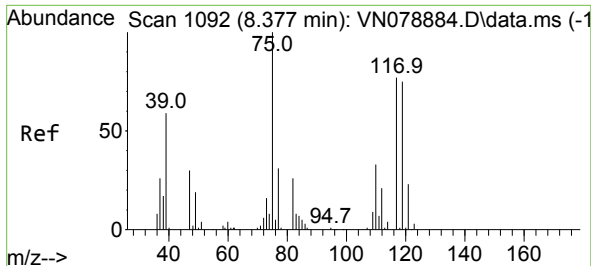
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 19.5 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

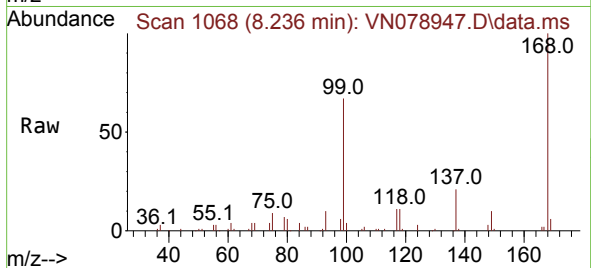
Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :



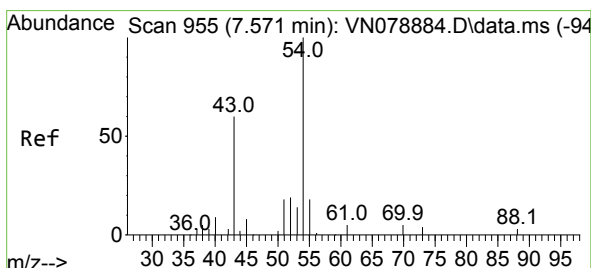
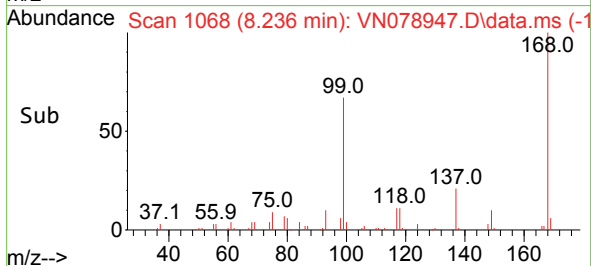
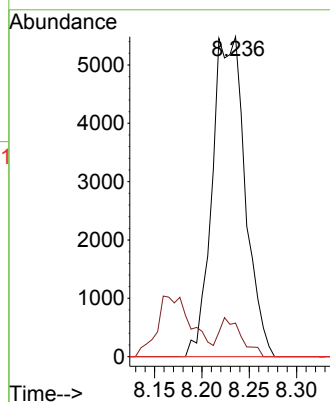
Tgt Ion: 75 Resp: 13229

Ion Ratio Lower Upper

75 100

110 8.1 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.566 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.012 min

Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

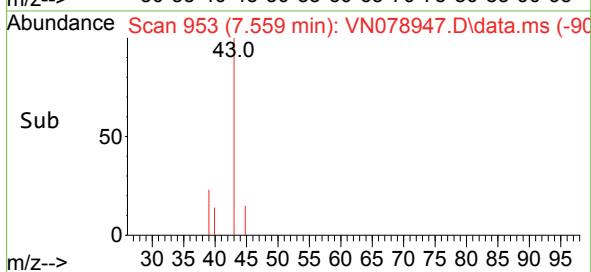
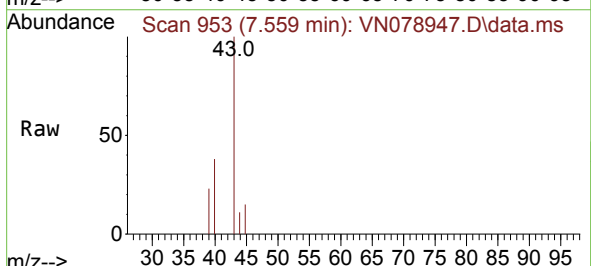
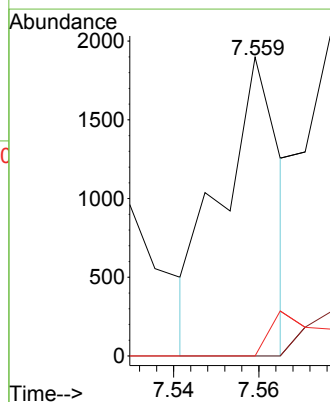
Tgt Ion: 43 Resp: 1805

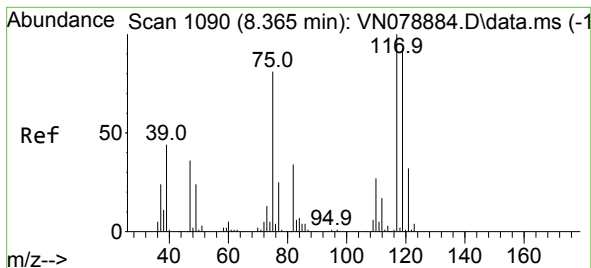
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 12.5 11.3 16.9





#38

Carbon Tetrachloride

Concen: 5.493 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

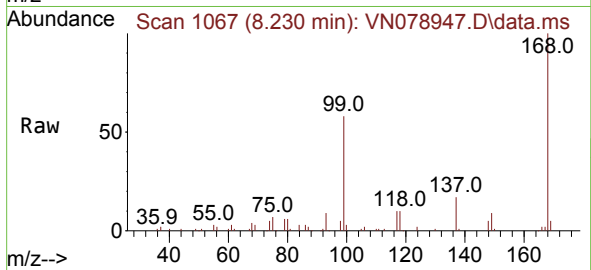
Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :



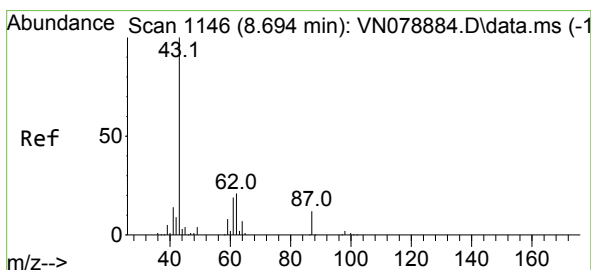
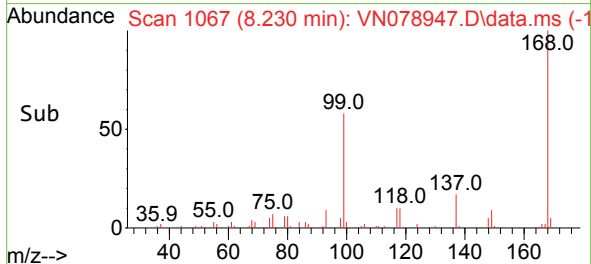
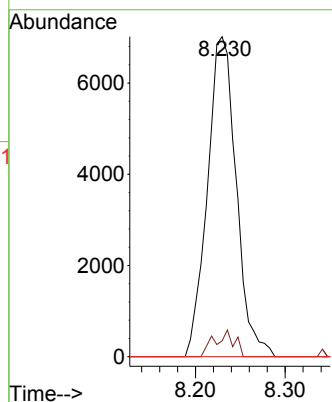
Tgt Ion:117 Resp: 15674

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 35.110 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

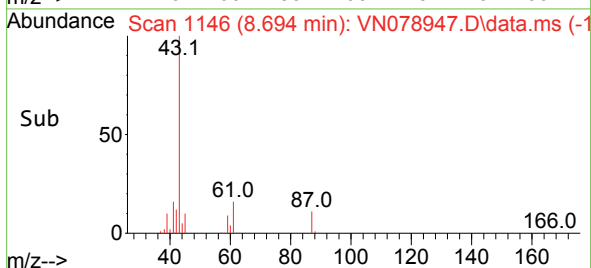
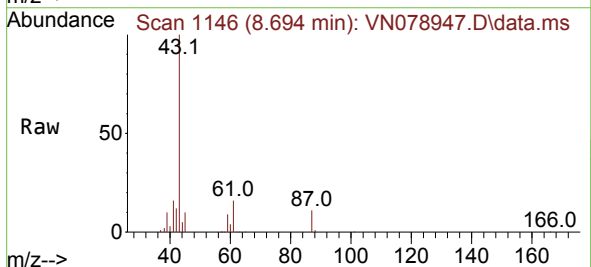
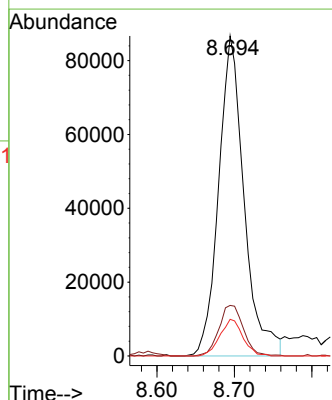
Tgt Ion: 43 Resp: 197739

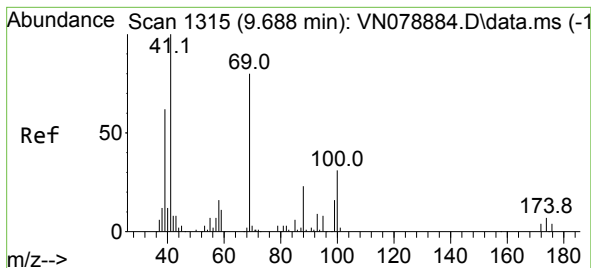
Ion Ratio Lower Upper

43 100

61 15.3 24.7 37.1#

87 10.4 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.974 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.017 min

Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :

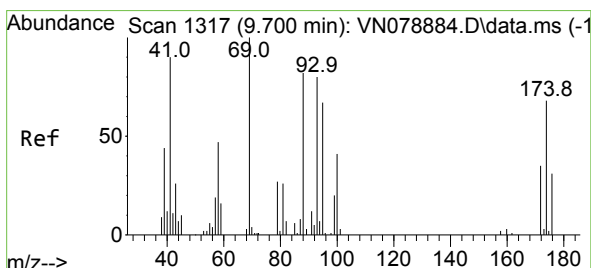
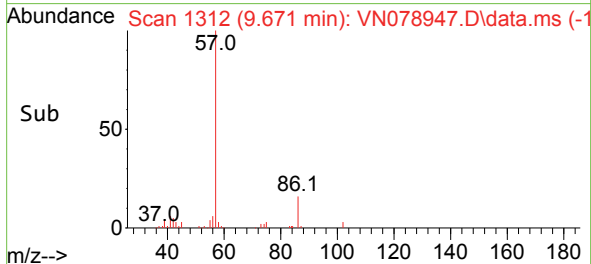
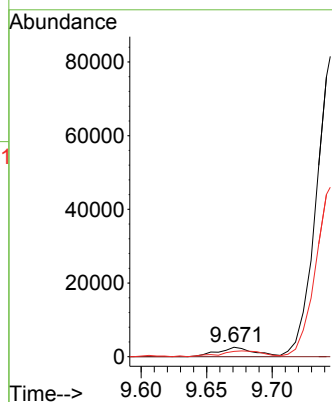
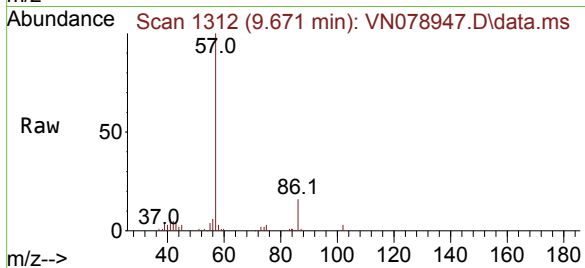
Tgt Ion: 41 Resp: 5037

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 72.0 54.6 81.8



#49

1,4-Dioxane

Concen: 4.923 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.035 min

Lab File: VN078947.D

Acq: 18 Aug 2023 17:11

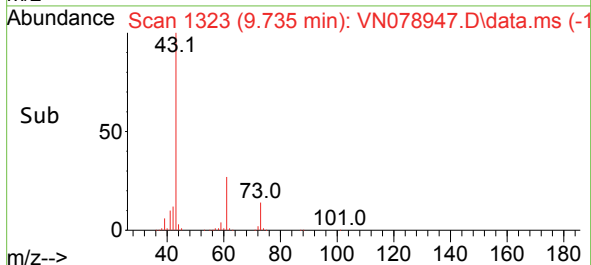
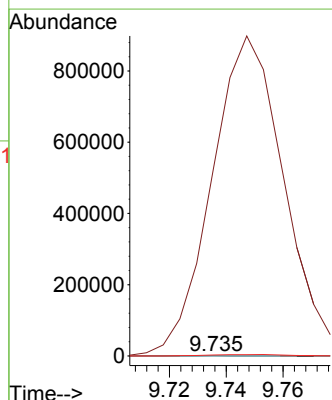
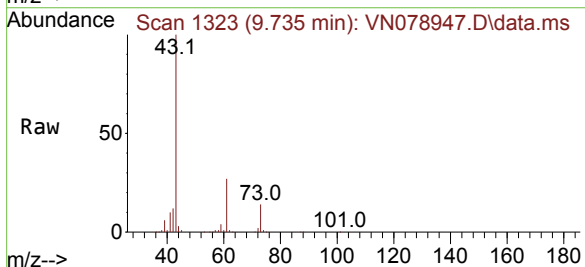
Tgt Ion: 88 Resp: 214

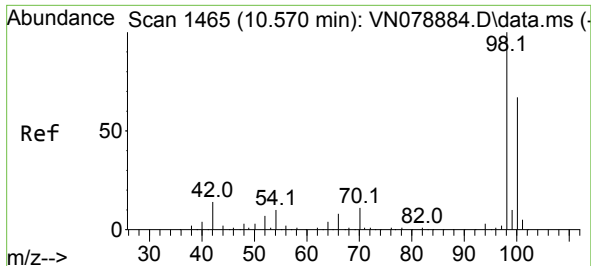
Ion Ratio Lower Upper

88 100

43 749039.7 17.0 25.6#

58 3680.8 47.0 70.4#

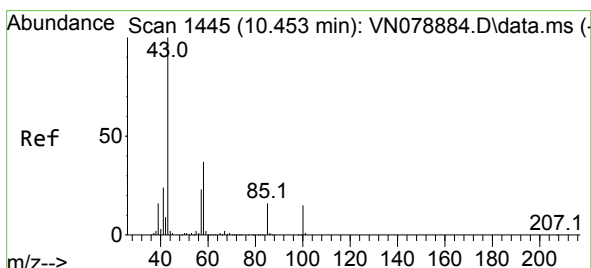
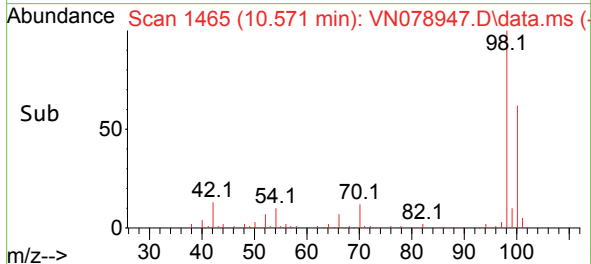
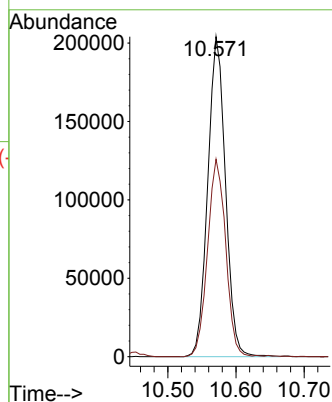
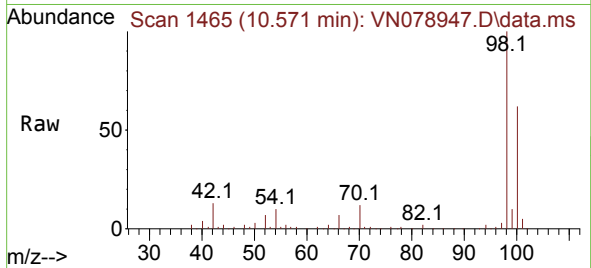




#50
Toluene-d8
Concen: 52.506 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

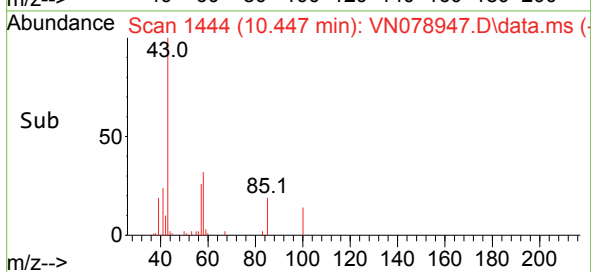
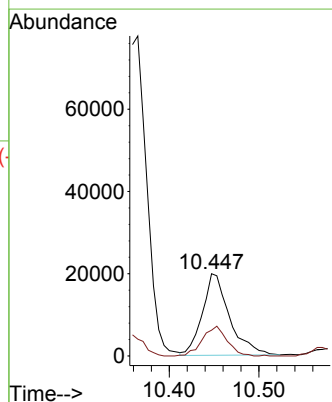
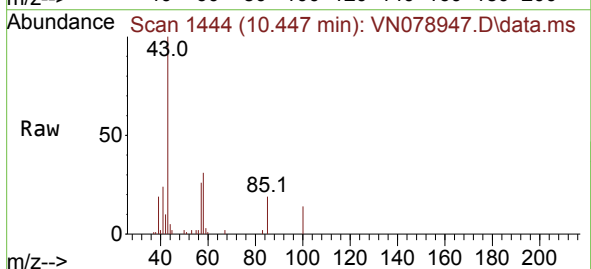
Instrument :
MSVOA_N
ClientSampleId :

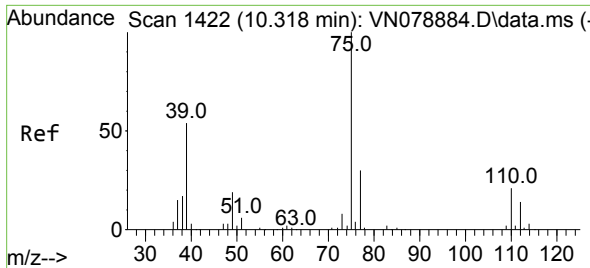
Tgt Ion: 98 Resp: 369102
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 12.502 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Tgt Ion: 43 Resp: 41760
Ion Ratio Lower Upper
43 100
58 33.0 36.6 54.8#

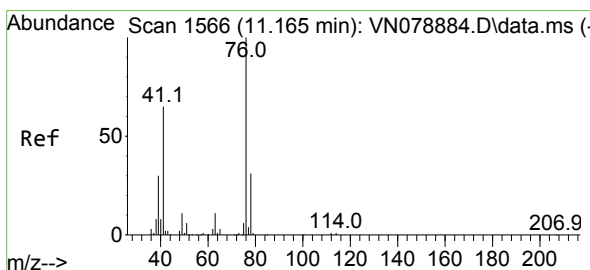
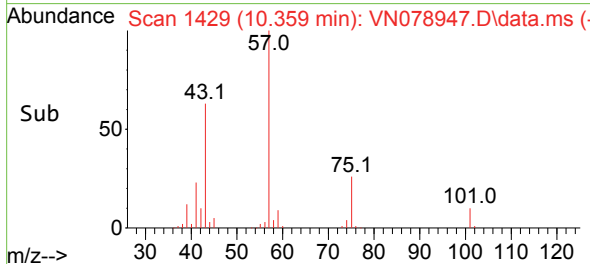
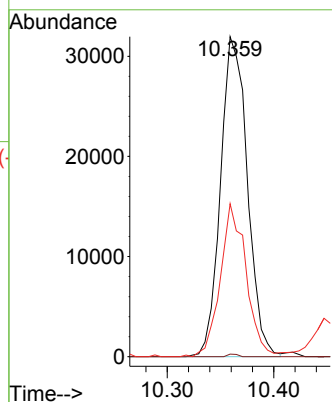
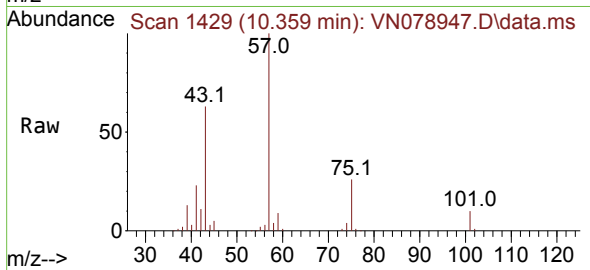




#54
 cis-1,3-Dichloropropene
 Concen: 15.750 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN078947.D
 Acq: 18 Aug 2023 17:11

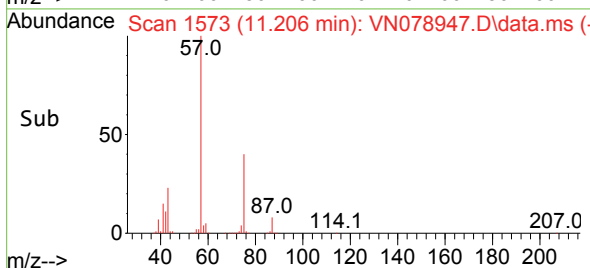
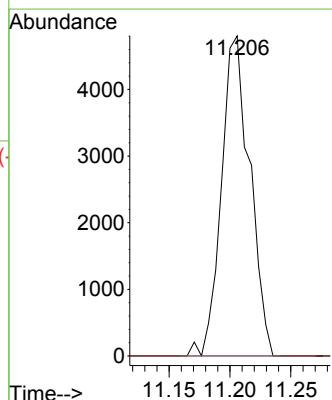
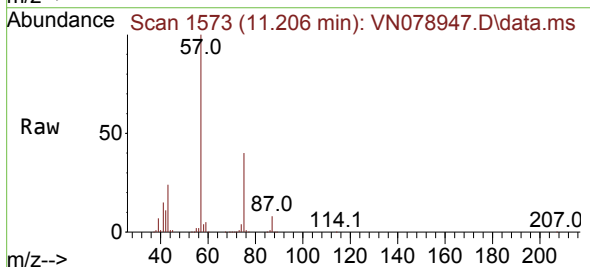
Instrument :
 MSVOA_N
 ClientSampleId :

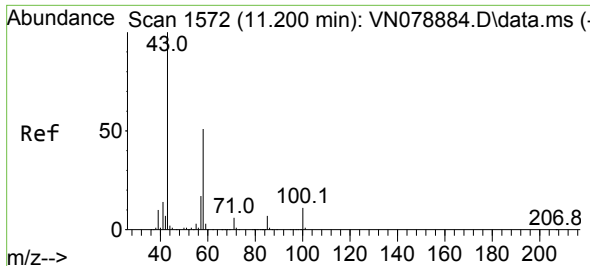
Tgt Ion: 75 Resp: 55840
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 47.0 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 2.106 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN078947.D
 Acq: 18 Aug 2023 17:11

Tgt Ion: 76 Resp: 7807
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

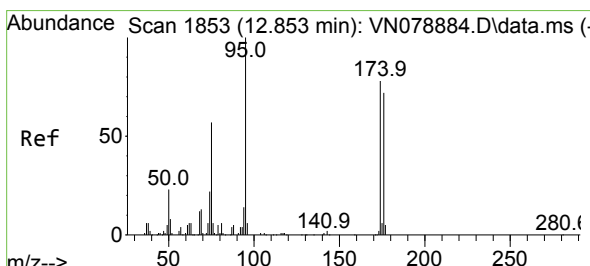
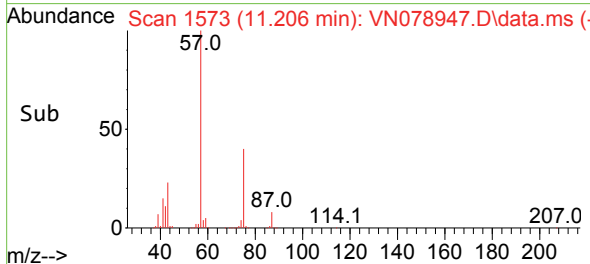
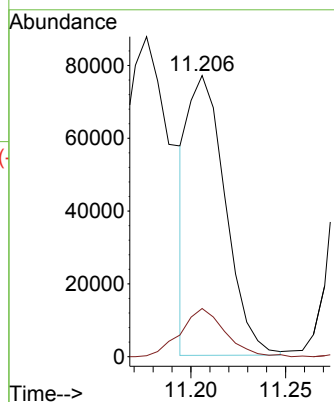
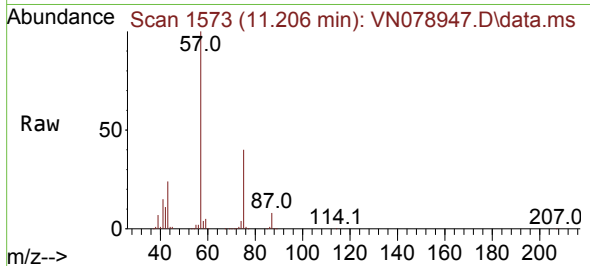




#59
2-Hexanone
Concen: 43.287 ug/l
RT: 11.206 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

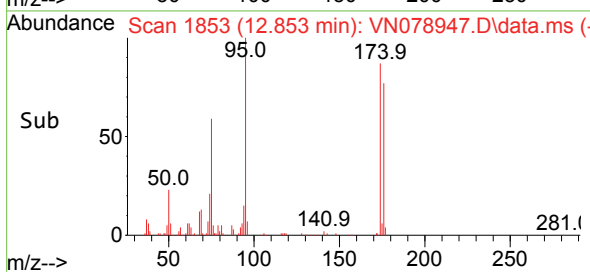
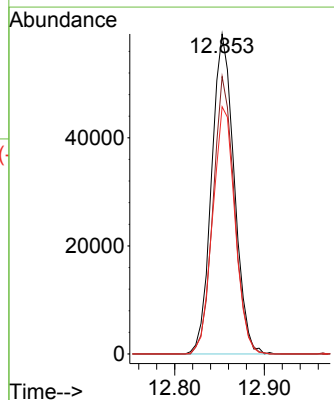
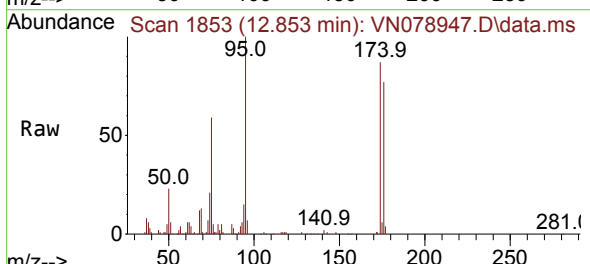
Instrument :
MSVOA_N
ClientSampleId :

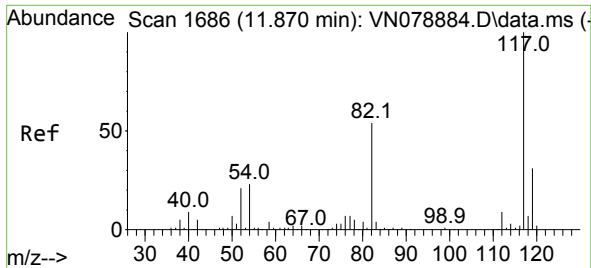
Tgt Ion: 43 Resp: 104728
Ion Ratio Lower Upper
43 100
58 20.8 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.042 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Tgt Ion: 95 Resp: 103494
Ion Ratio Lower Upper
95 100
174 81.6 0.0 143.8
176 76.5 0.0 135.8

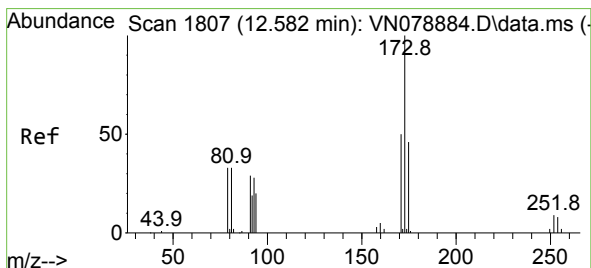
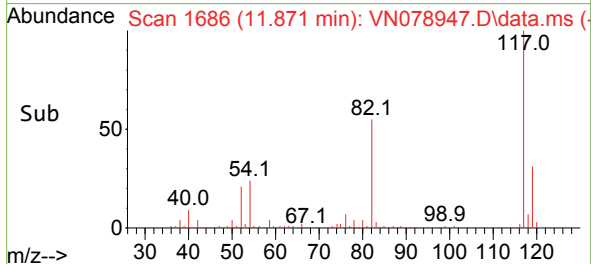
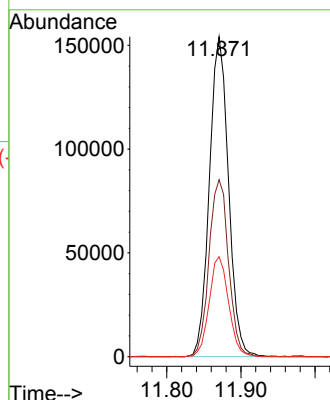
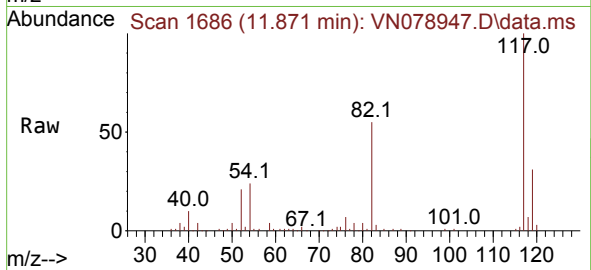




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

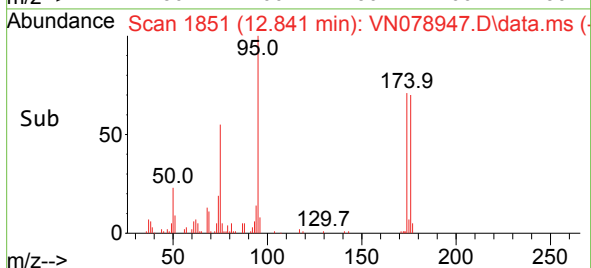
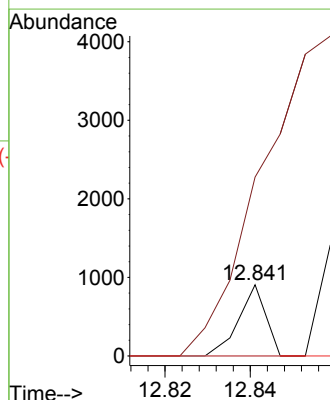
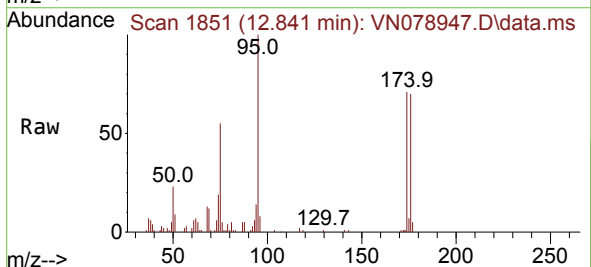
Instrument :
MSVOA_N
ClientSampleId :

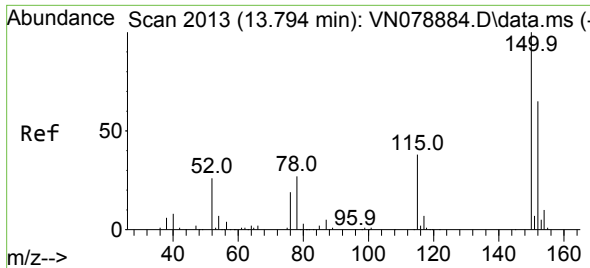
Tgt Ion:117 Resp: 275884
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.249 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Tgt Ion:173 Resp: 401
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

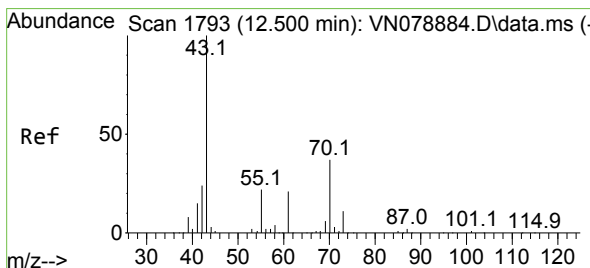
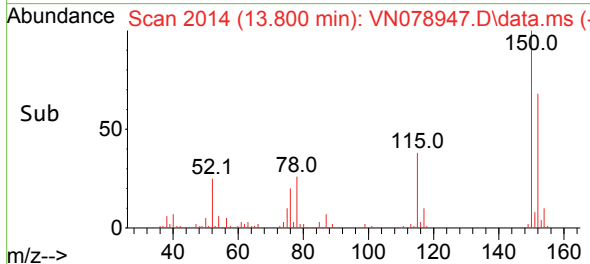
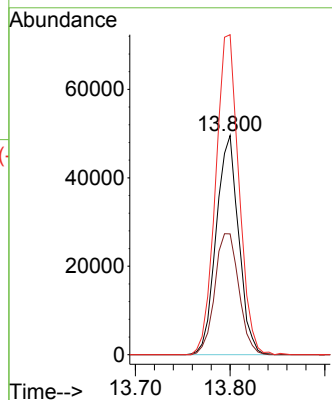
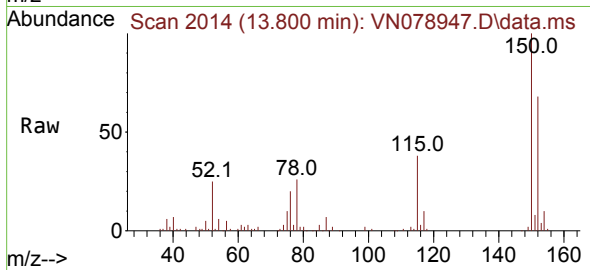




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

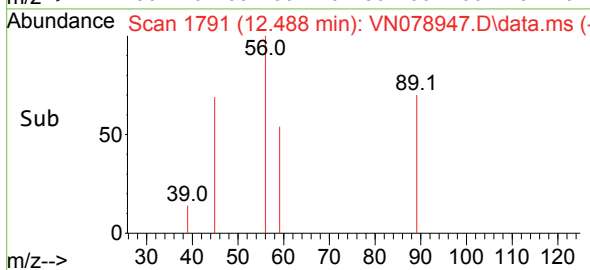
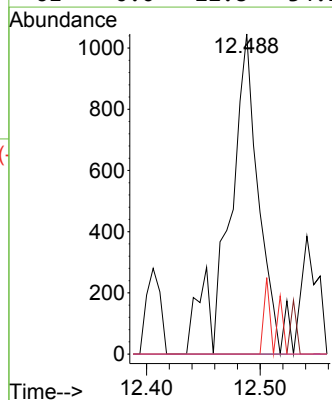
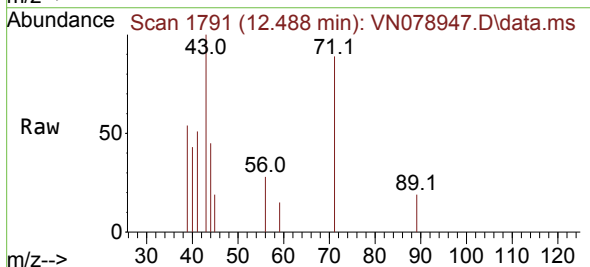
Instrument :
MSVOA_N
ClientSampleId :

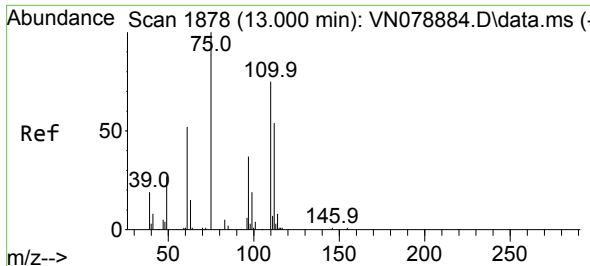
Tgt Ion:152 Resp: 81514
Ion Ratio Lower Upper
152 100
115 59.2 32.3 96.8
150 151.6 0.0 355.8



#74
N-ethyl acetate
Concen: 0.551 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Tgt Ion: 43 Resp: 1891
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 8.2 21.4 32.0#
61 0.0 22.8 34.2#

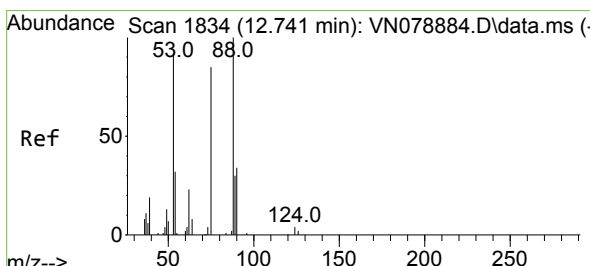
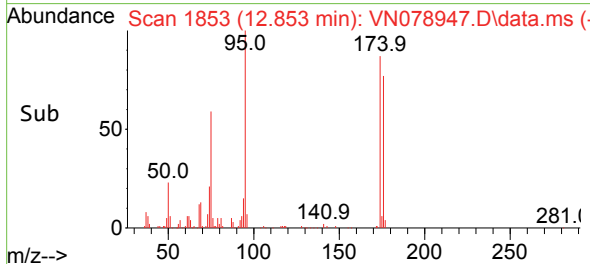
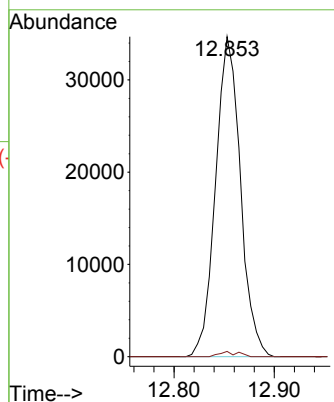
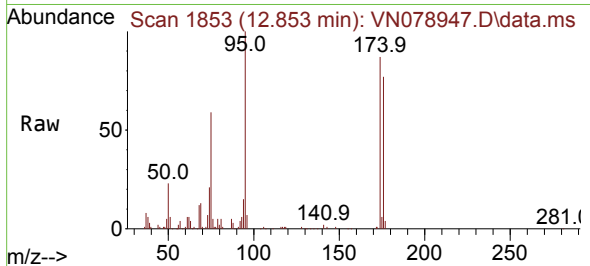




#76
1,2,3-Trichloropropane
Concen: 30.310 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

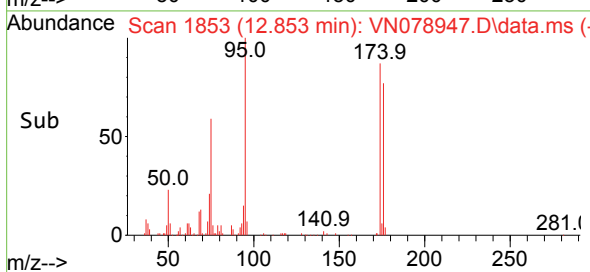
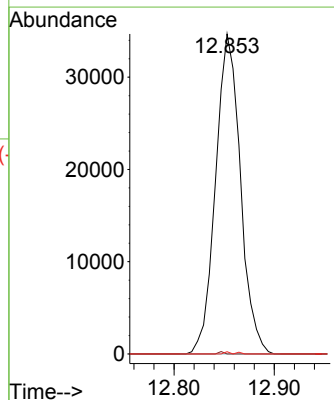
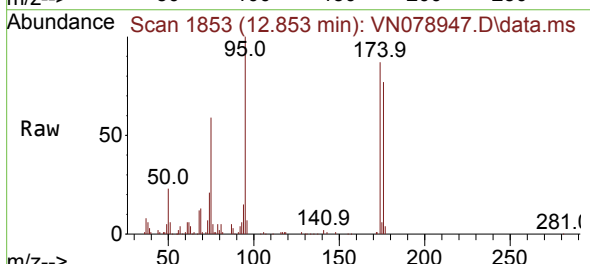
Instrument :
MSVOA_N
ClientSampleId :

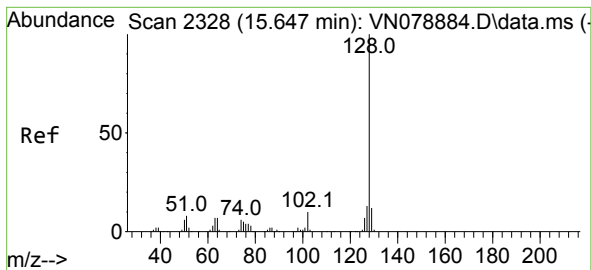
Tgt Ion: 75 Resp: 59531
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.428 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

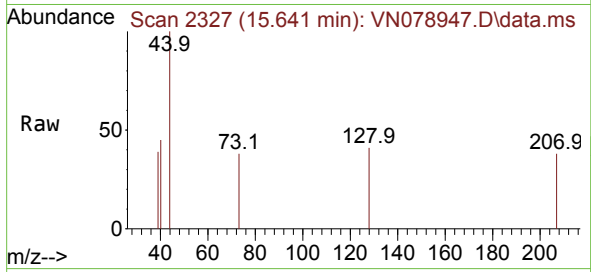
Tgt Ion: 75 Resp: 59531
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.3 38.8 58.2#





#95
Naphthalene
Concen: 2.667 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078947.D
Acq: 18 Aug 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 367
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

