

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078988.D
 Acq On : 22 Aug 2023 12:46
 Operator : JC\MD
 Sample : PB154968ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:00:48 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)

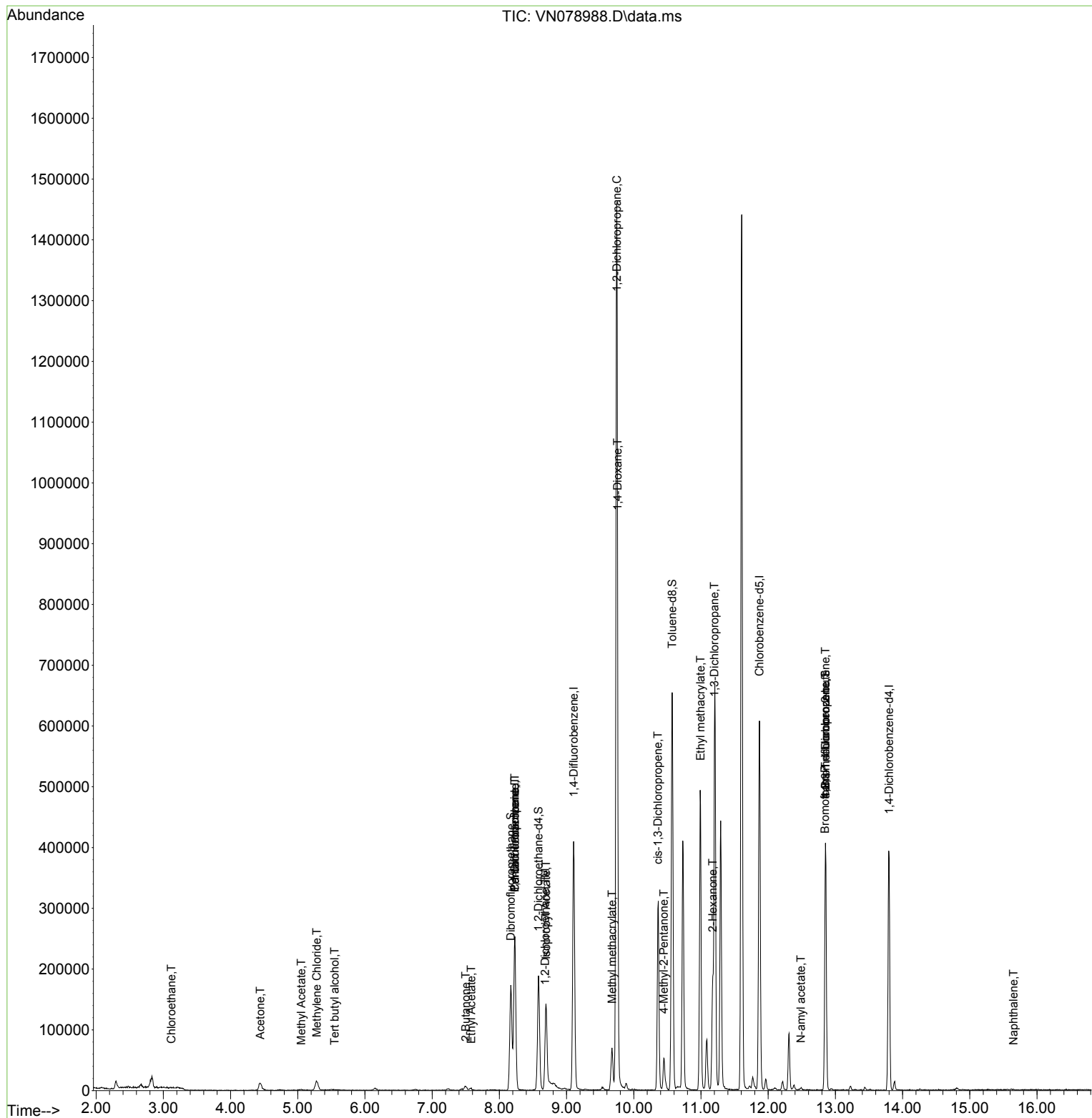
Internal Standards						
1) Pentafluorobenzene	8.230	168	175931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	335797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	100297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	144162	52.659	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.320%	
35) Dibromofluoromethane	8.171	113	118553	51.735	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.480%	
50) Toluene-d8	10.571	98	432248	50.801	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.853	95	132168	47.523	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.040%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	823	0.394	ug/l #	43
11) Tert butyl alcohol	5.547	59	419	0.912	ug/l #	72
16) Acetone	4.442	43	24399	21.600	ug/l #	78
18) Methyl Acetate	5.053	43	1375	0.288	ug/l #	71
20) Methylene Chloride	5.283	84	11227	4.664	ug/l #	86
25) 2-Butanone	7.500	43	10966	6.055	ug/l #	62
31) Cyclohexane	8.230	56	5331	Below Cal	#	48
36) 1,1-Dichloropropene	8.230	75	16374	4.750	ug/l #	47
37) Ethyl Acetate	7.583	43	5147	1.335	ug/l #	86
38) Carbon Tetrachloride	8.230	117	17556	5.083	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1077	0.283	ug/l #	73
43) Isopropyl Acetate	8.694	43	177062	25.974	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	1467	0.541	ug/l #	45
48) Methyl methacrylate	9.677	41	4578	1.482	ug/l #	31
49) 1,4-Dioxane	9.759	88	311	5.911	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	39746	9.831	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	50553	11.781	ug/l #	69
56) Ethyl methacrylate	10.994	69	2395	0.616	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6544	1.459	ug/l #	42
59) 2-Hexanone	11.176	43	151478	51.728	ug/l #	19
71) Bromoform	12.847	173	899	0.458	ug/l #	1
74) N-amyl acetate	12.488	43	2691	0.637	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	73782	30.530	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73782	77.992	ug/l #	15
95) Naphthalene	15.653	128	359	2.648	ug/l #	70

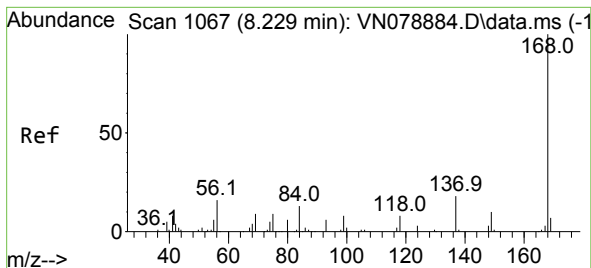
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
Data File : VN078988.D
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :

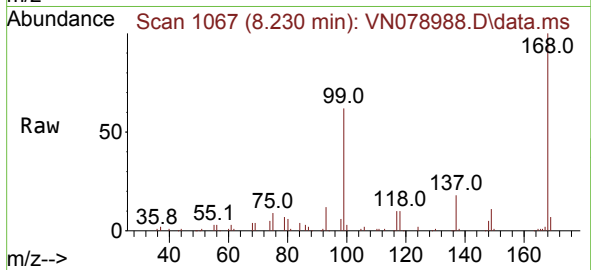
Quant Time: Aug 23 03:00:48 2023
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Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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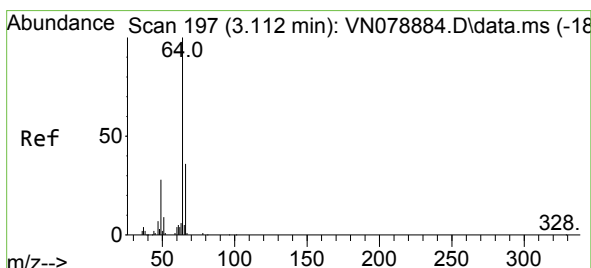
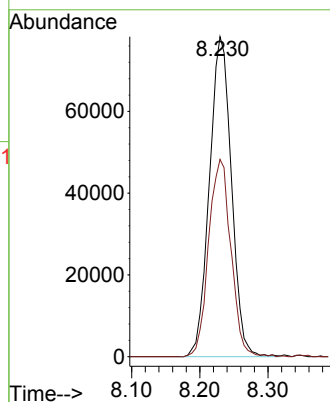
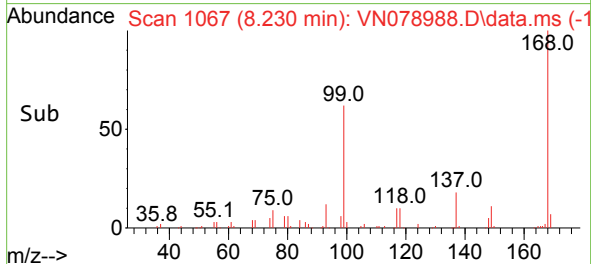


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Instrument :
MSVOA_N
ClientSampleId :

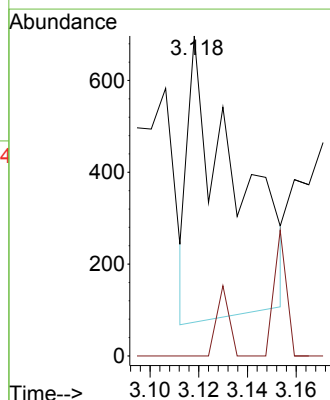
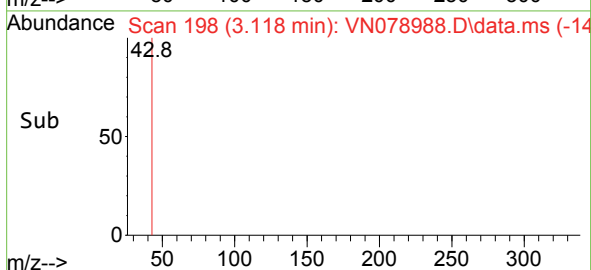
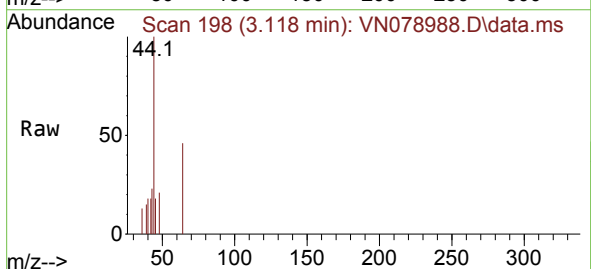


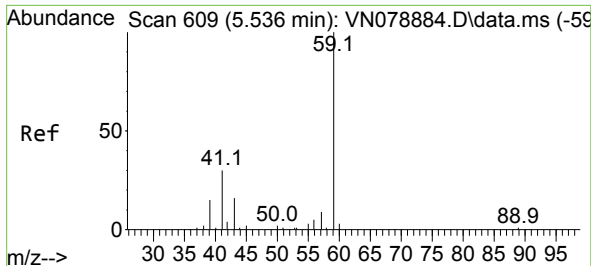
Tgt Ion:168 Resp: 175931
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#6
Chloroethane
Concen: 0.394 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Tgt Ion: 64 Resp: 823
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.912 ug/l

RT: 5.547 min Scan# 611

Delta R.T. 0.005 min

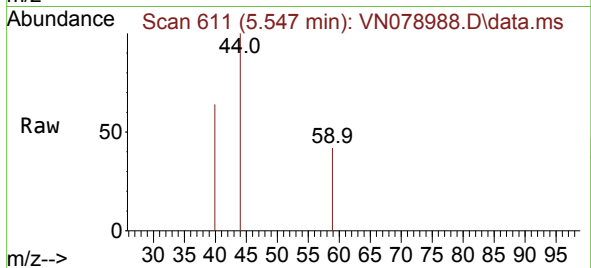
Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

Instrument :

MSVOA_N

ClientSampleId :

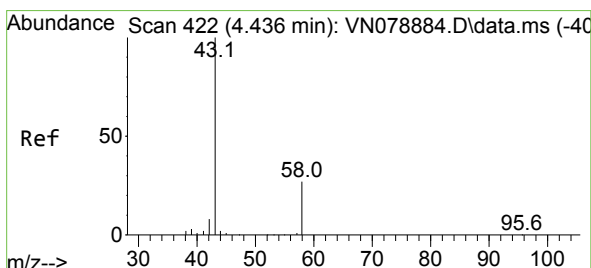
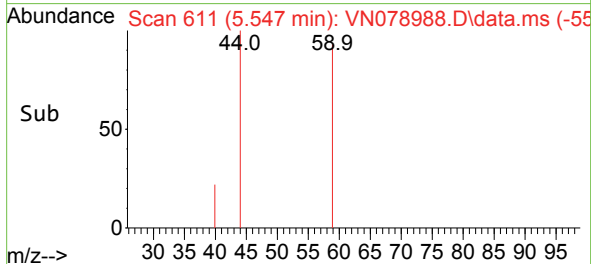
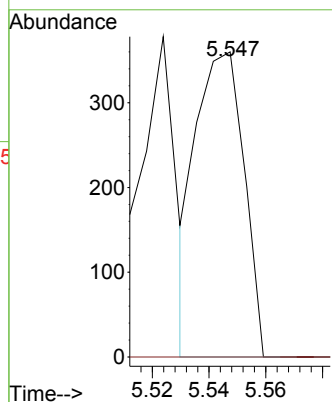


Tgt Ion: 59 Resp: 419

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 21.600 ug/l

RT: 4.442 min Scan# 423

Delta R.T. -0.000 min

Lab File: VN078988.D

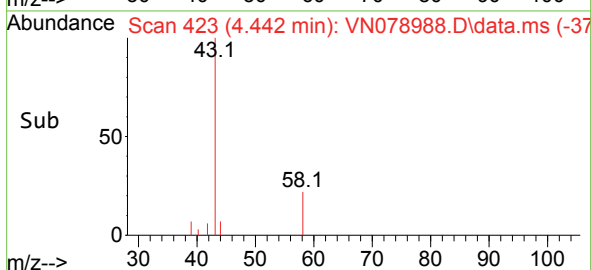
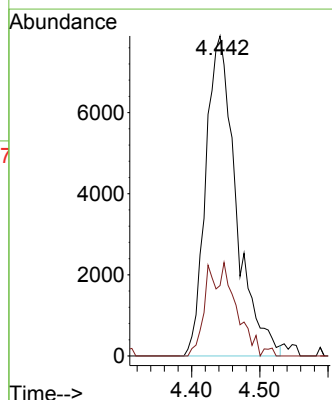
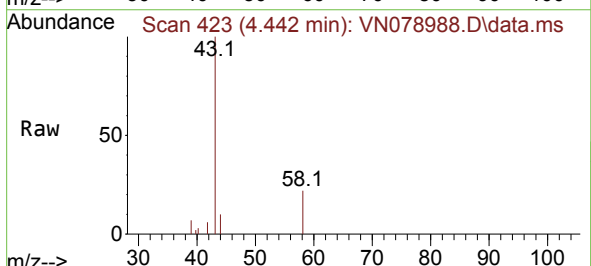
Acq: 22 Aug 2023 12:46

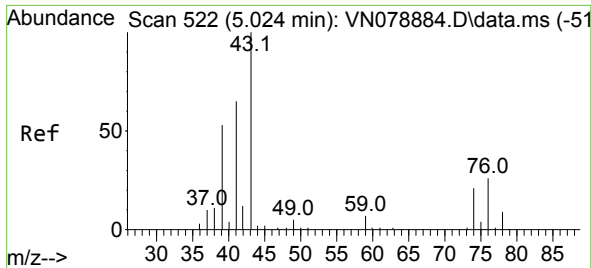
Tgt Ion: 43 Resp: 24399

Ion Ratio Lower Upper

43 100

58 22.0 28.0 42.0#

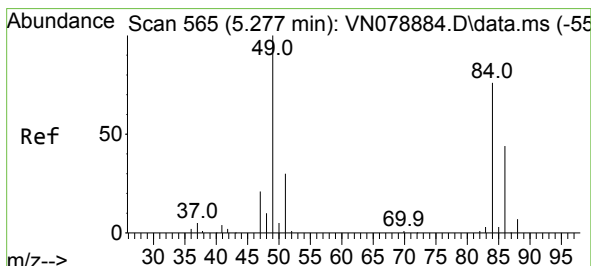
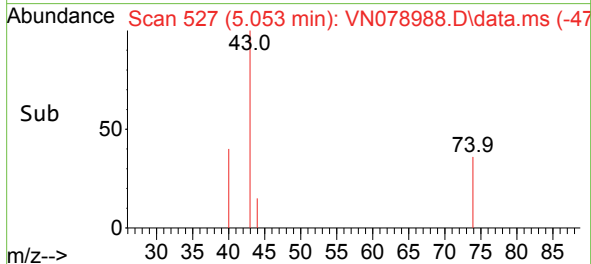
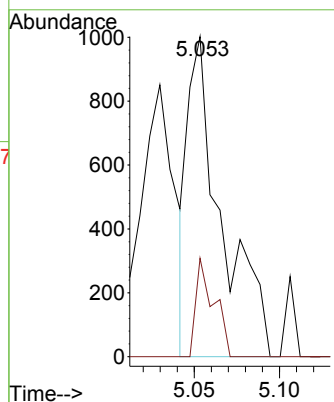
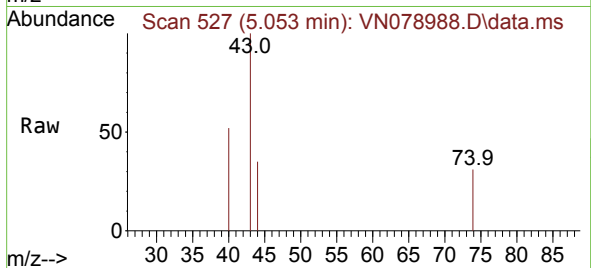




#18
Methyl Acetate
Concen: 0.288 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

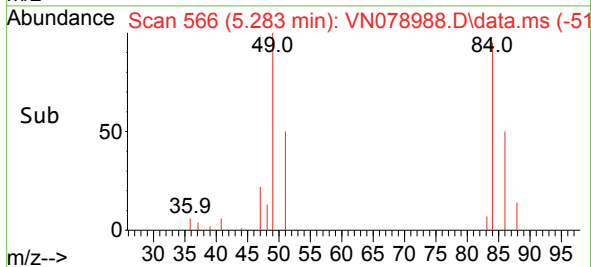
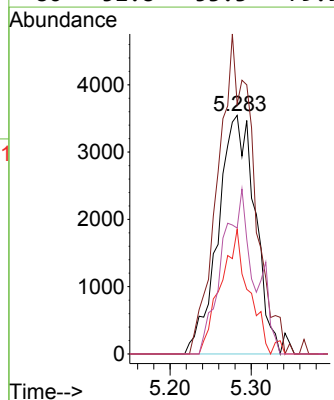
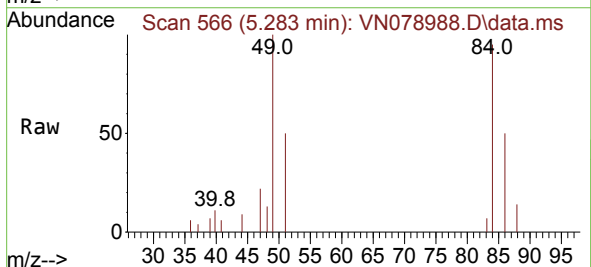
Instrument :
MSVOA_N
ClientSampleId :

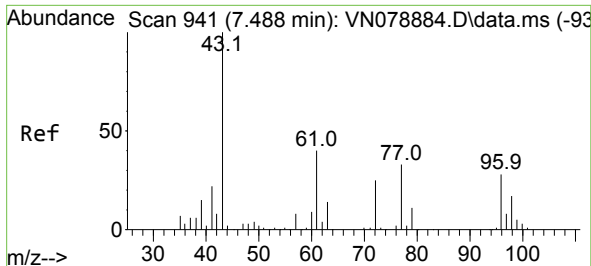
Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
74 16.5 26.2 39.4#



#20
Methylene Chloride
Concen: 4.664 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Tgt Ion: 84 Resp: 11227
Ion Ratio Lower Upper
84 100
49 104.8 79.7 119.5
51 52.3 25.2 37.8#
86 52.8 53.3 79.9#

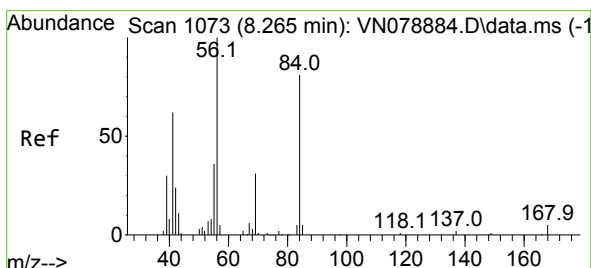
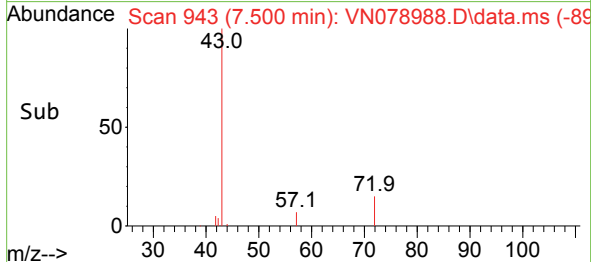
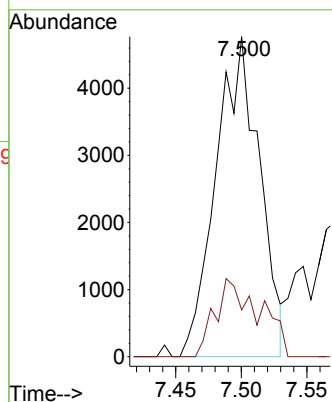
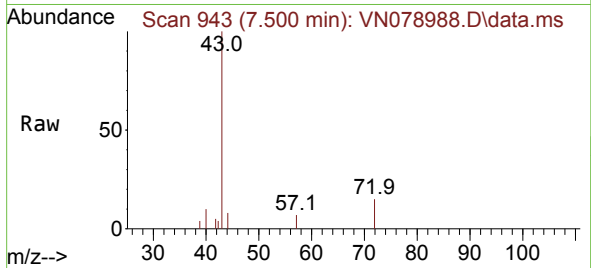




#25
2-Butanone
Concen: 6.055 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

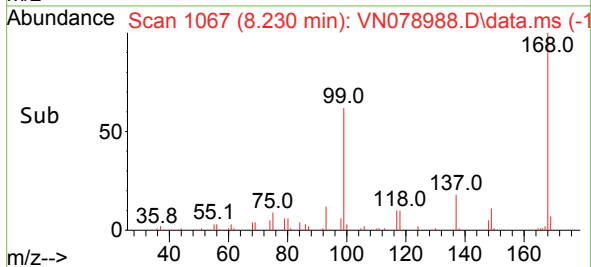
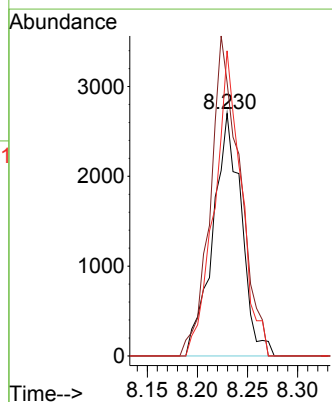
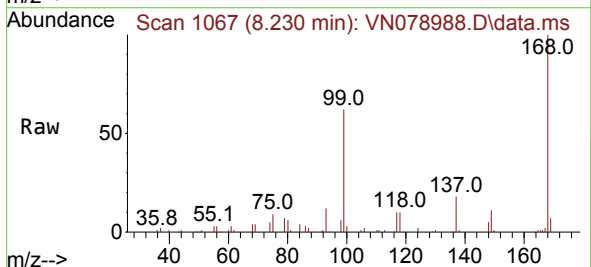
Instrument :
MSVOA_N
ClientSampleId :

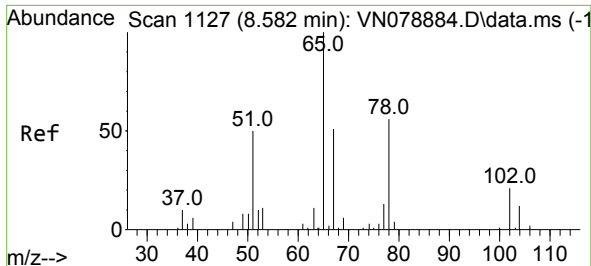
Tgt Ion: 43 Resp: 10966
Ion Ratio Lower Upper
43 100
72 14.6 30.2 45.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Tgt Ion: 56 Resp: 5331
Ion Ratio Lower Upper
56 100
69 112.9 26.8 40.2#
84 125.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.659 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

Instrument :

MSVOA_N

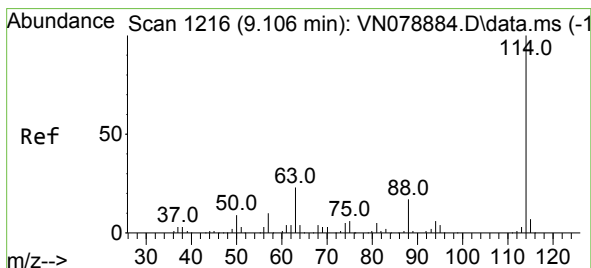
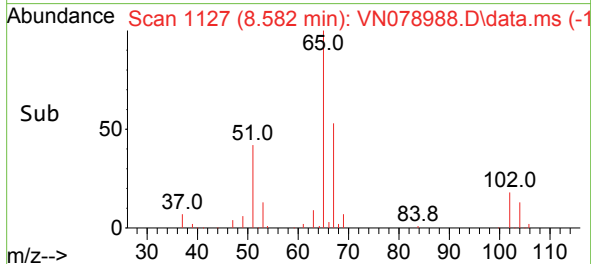
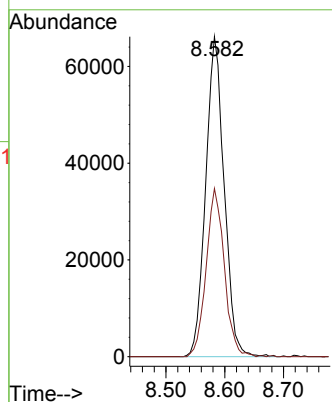
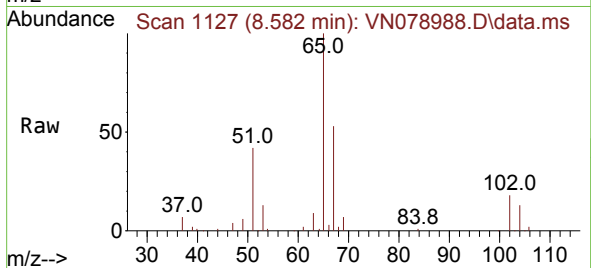
ClientSampleId :

Tgt Ion: 65 Resp: 144162

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

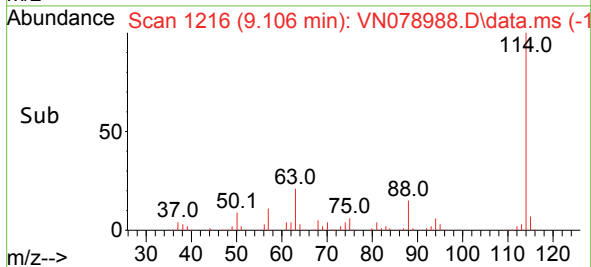
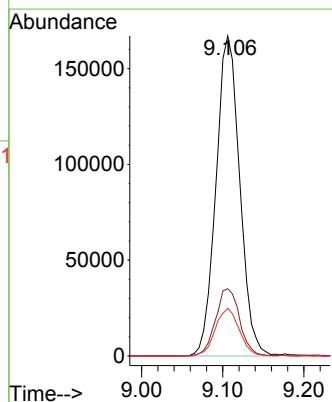
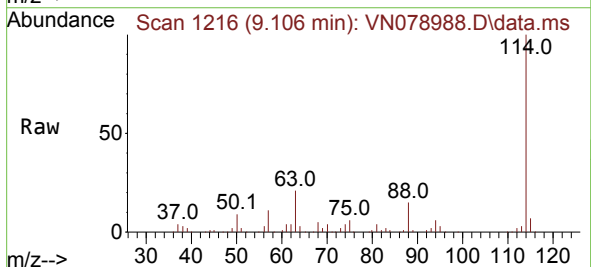
Tgt Ion: 114 Resp: 340419

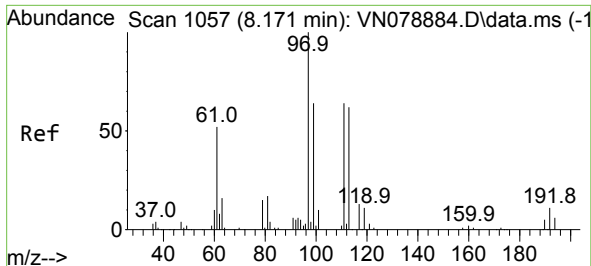
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.735 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

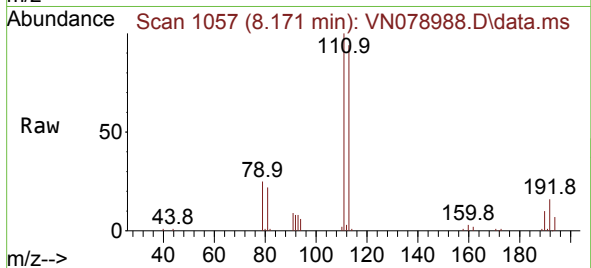
Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

Instrument :

MSVOA_N

ClientSampleId :



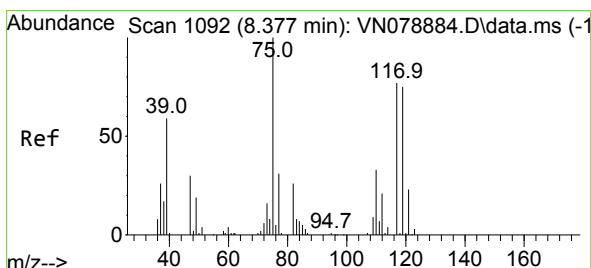
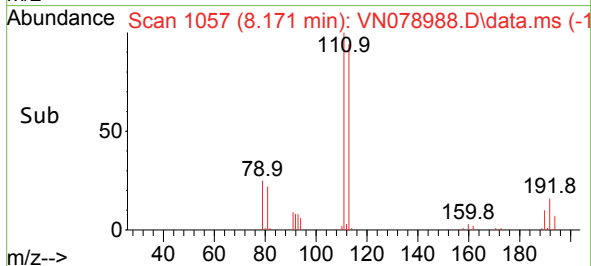
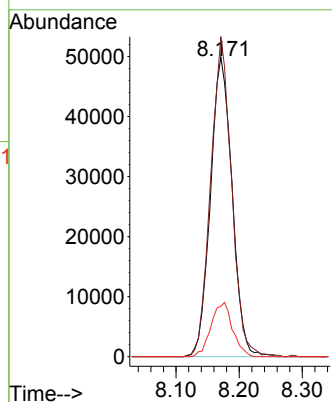
Tgt Ion:113 Resp: 118553

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 18.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.750 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

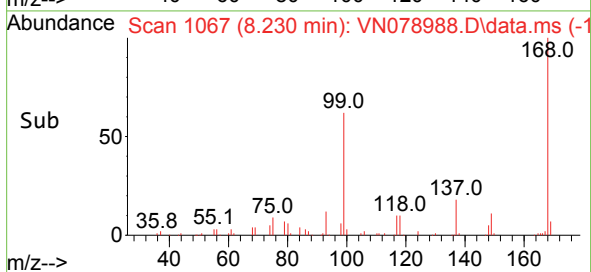
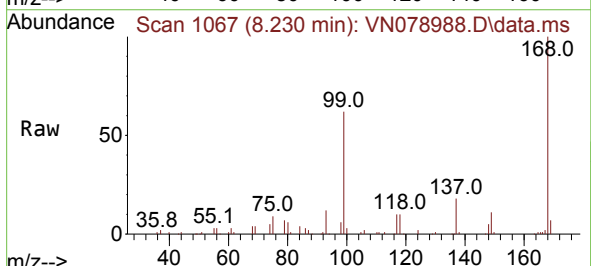
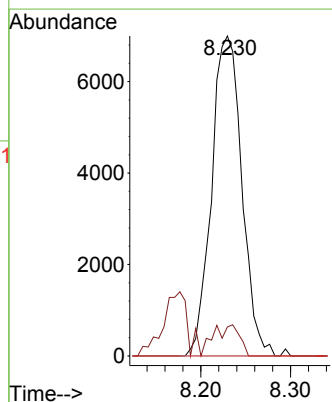
Tgt Ion: 75 Resp: 16374

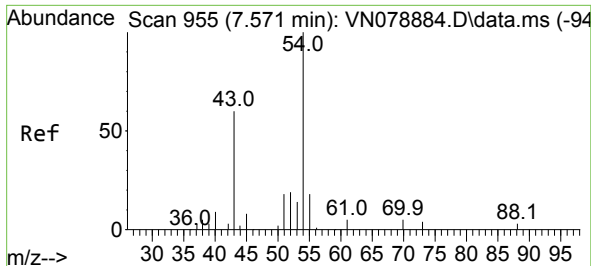
Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.3#

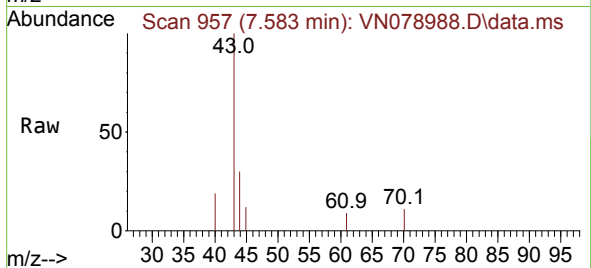
77 0.0 25.0 37.4#



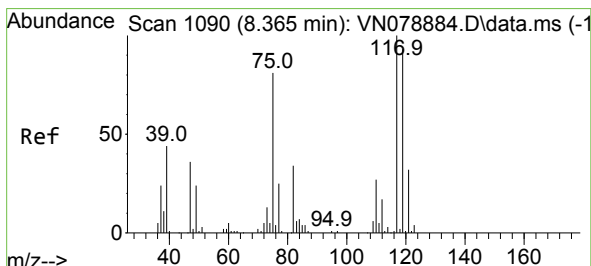
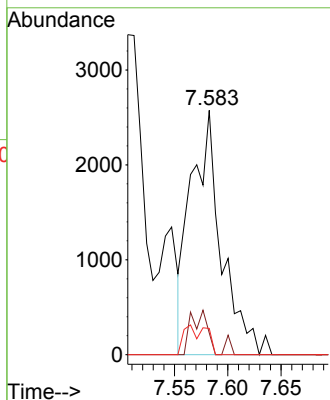
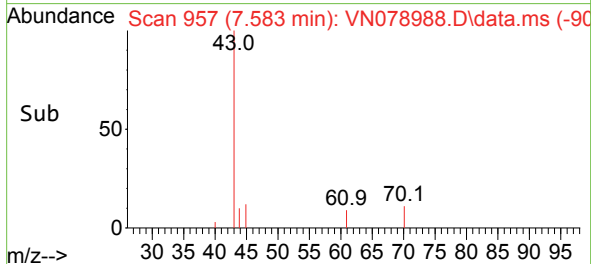


#37
Ethyl Acetate
Concen: 1.335 ug/l
RT: 7.583 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Instrument :
MSVOA_N
ClientSampleId :

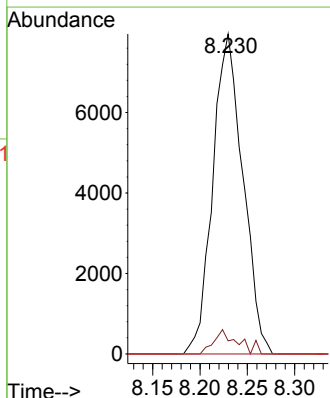
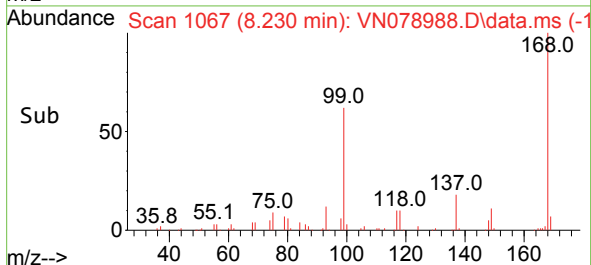
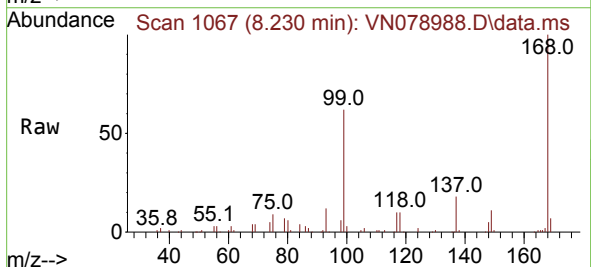


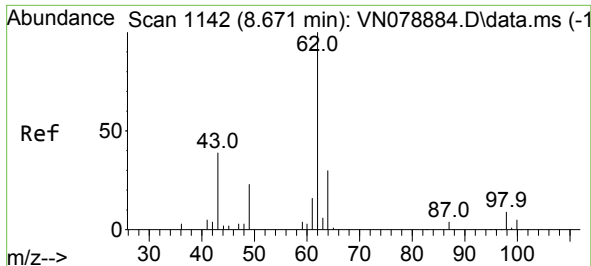
Tgt Ion: 43 Resp: 5147
Ion Ratio Lower Upper
43 100
61 9.7 13.2 19.8#
70 9.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.083 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Tgt Ion: 117 Resp: 17556
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.283 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

Instrument :

MSVOA_N

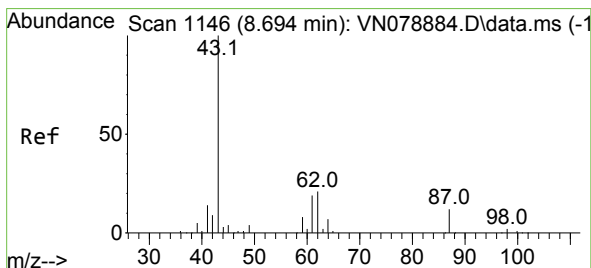
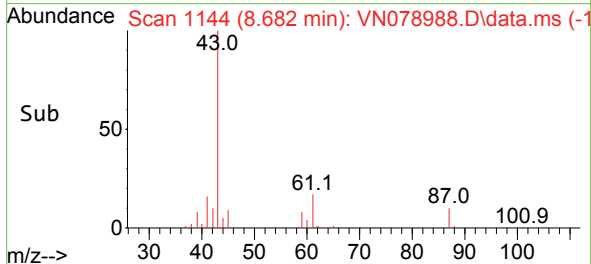
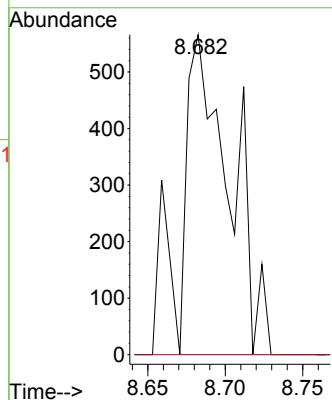
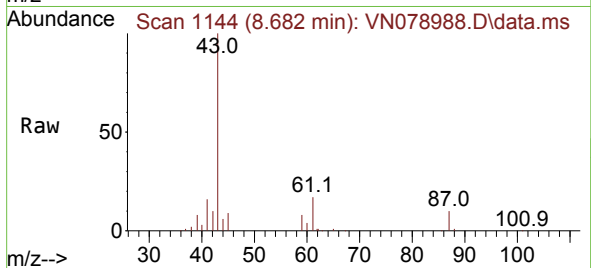
ClientSampleId :

Tgt Ion: 62 Resp: 1077

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 25.974 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

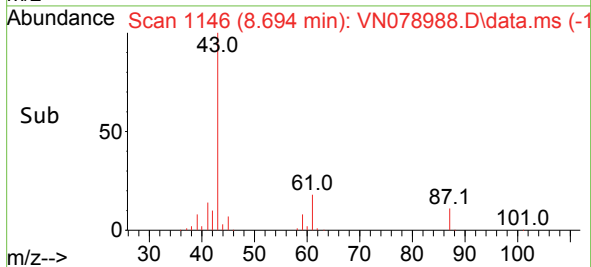
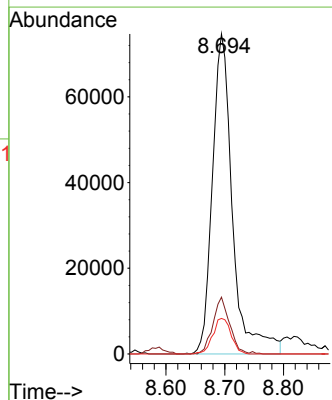
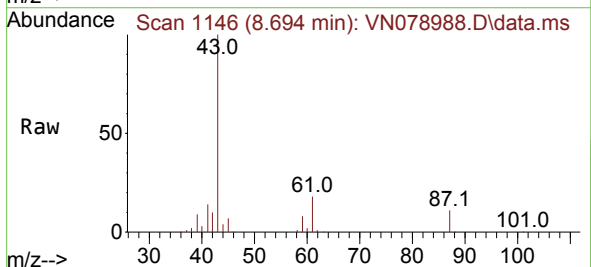
Tgt Ion: 43 Resp: 177062

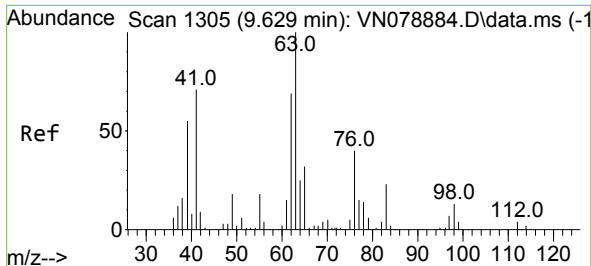
Ion Ratio Lower Upper

43 100

61 14.7 24.7 37.1#

87 10.1 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.541 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

Instrument :

MSVOA_N

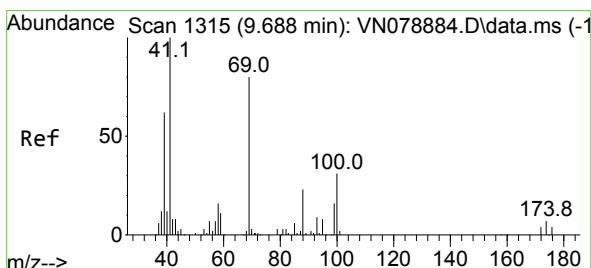
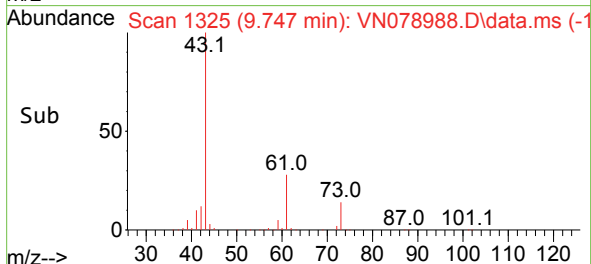
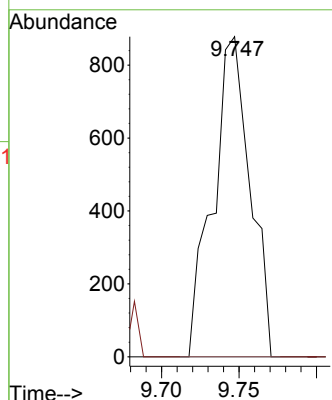
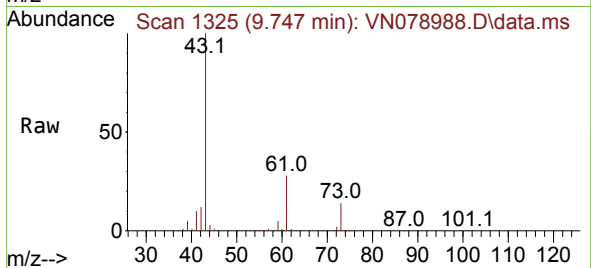
ClientSampleId :

Tgt Ion: 63 Resp: 1467

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.482 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.011 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

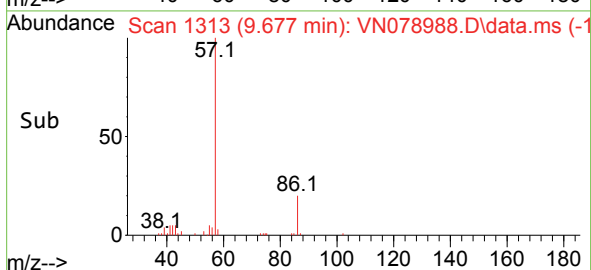
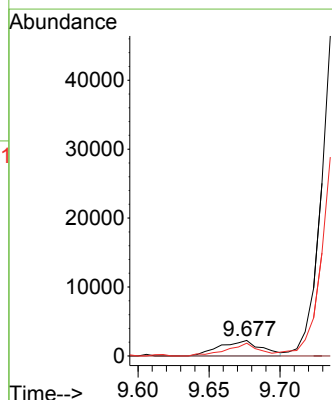
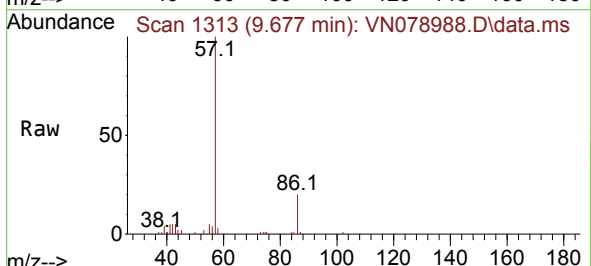
Tgt Ion: 41 Resp: 4578

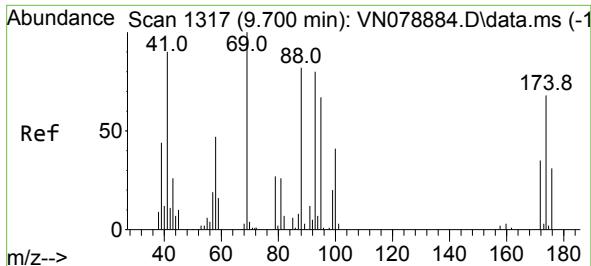
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 62.1 54.6 81.8





#49

1,4-Dioxane

Concen: 5.911 ug/l

RT: 9.759 min Scan# 1317

Delta R.T. 0.059 min

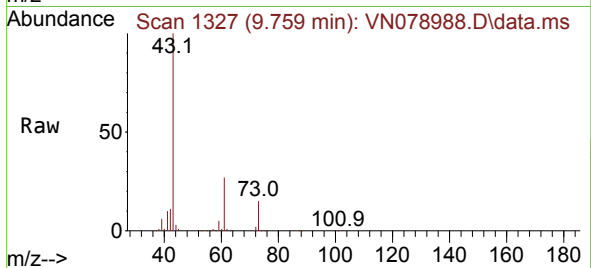
Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

Instrument :

MSVOA_N

ClientSampleId :



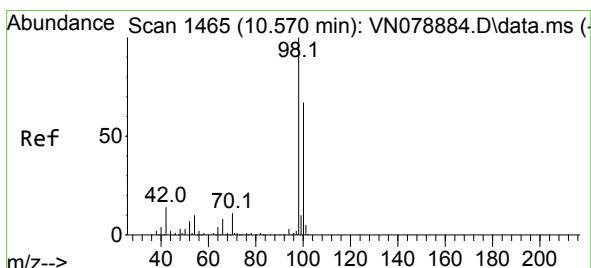
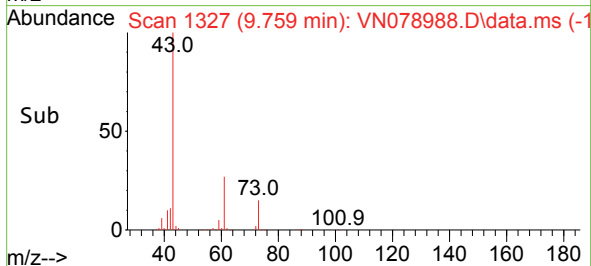
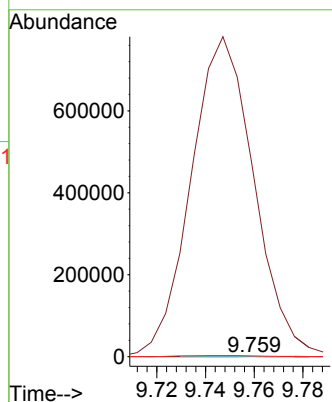
Tgt Ion: 88 Resp: 311

Ion Ratio Lower Upper

88 100

43 455936.0 17.0 25.6#

58 2208.0 47.0 70.4#



#50

Toluene-d8

Concen: 50.801 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078988.D

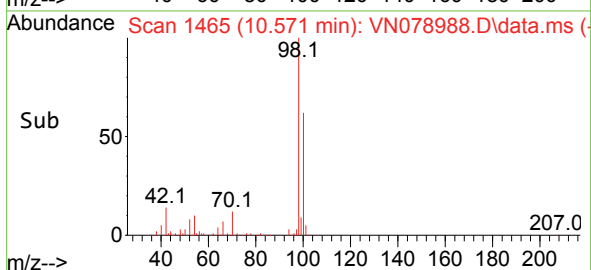
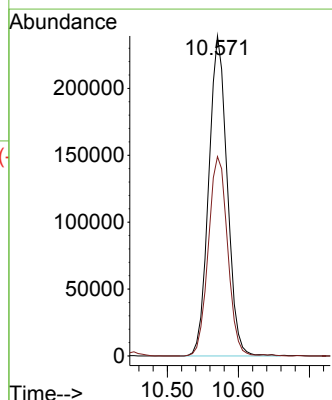
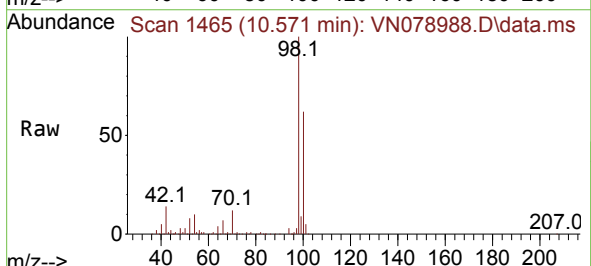
Acq: 22 Aug 2023 12:46

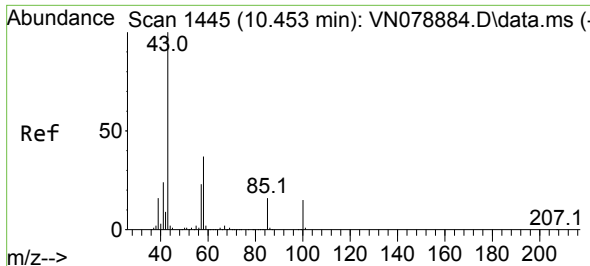
Tgt Ion: 98 Resp: 432248

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

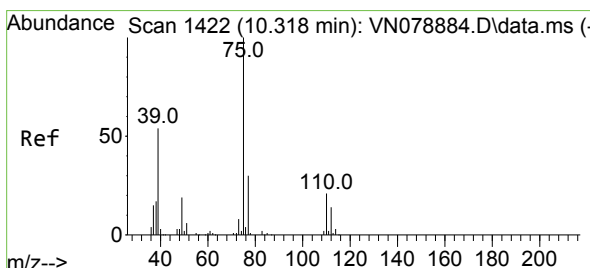
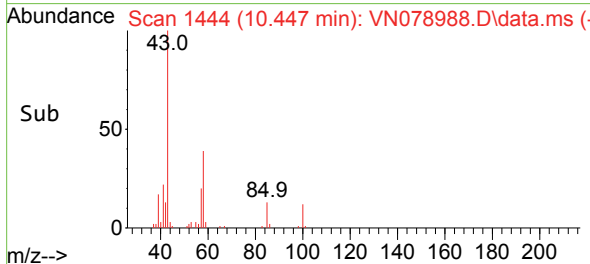
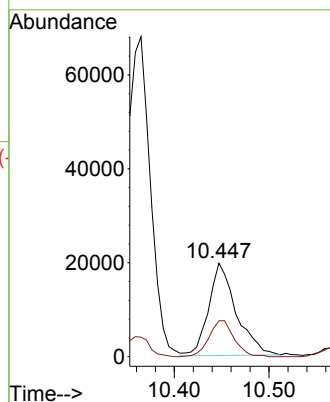
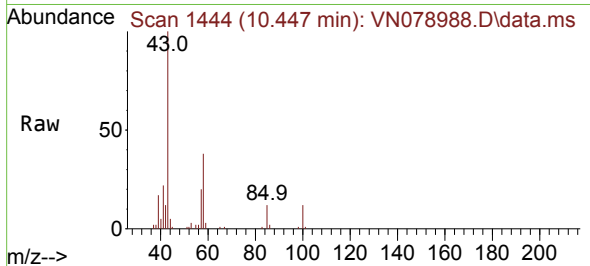




#51
4-Methyl-2-Pentanone
Concen: 9.831 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

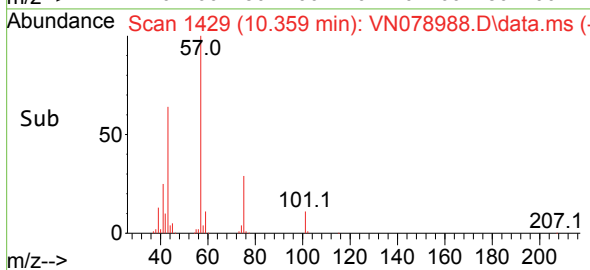
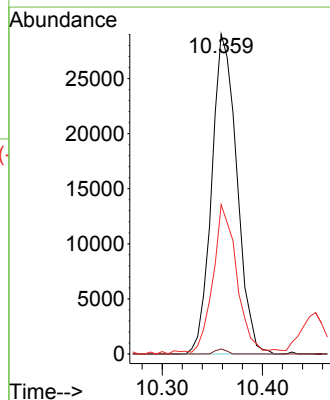
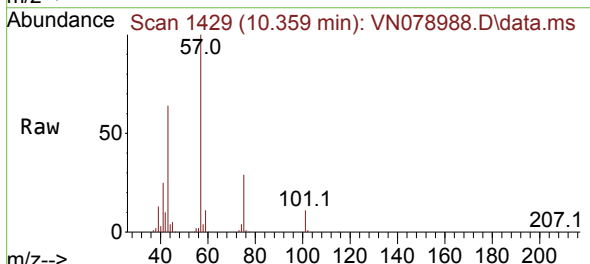
Instrument :
MSVOA_N
ClientSampleId :

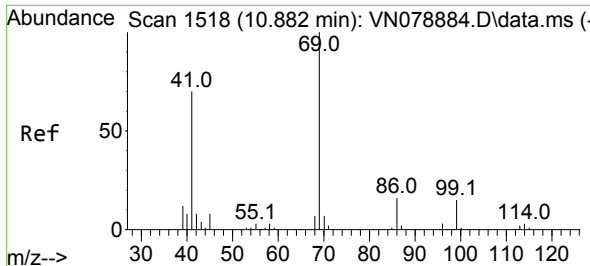
Tgt Ion: 43 Resp: 39746
Ion Ratio Lower Upper
43 100
58 35.6 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 11.781 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

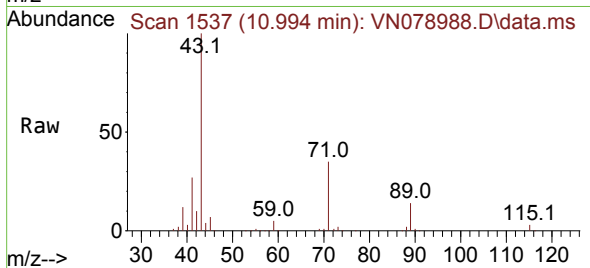
Tgt Ion: 75 Resp: 50553
Ion Ratio Lower Upper
75 100
77 1.6 26.1 39.1#
39 45.9 31.6 47.4



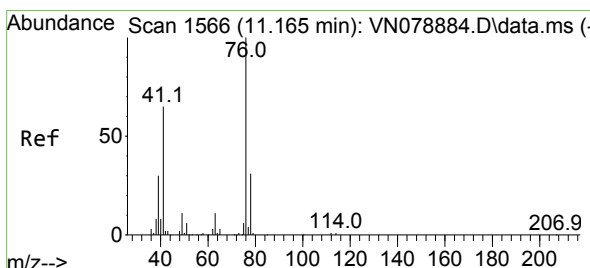
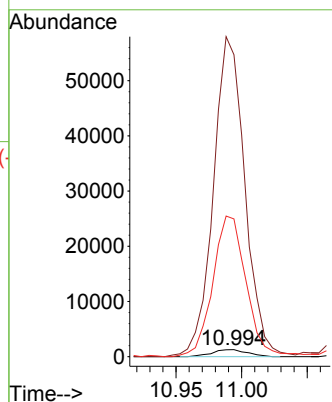
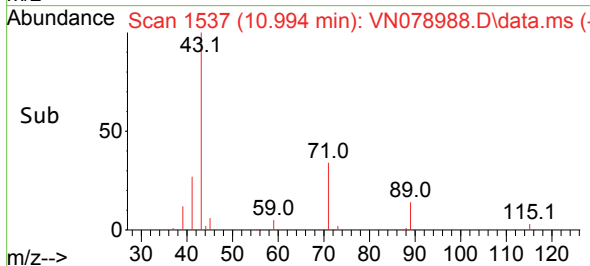


#56
Ethyl methacrylate
Concen: 0.616 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Instrument :
MSVOA_N
ClientSampleId :

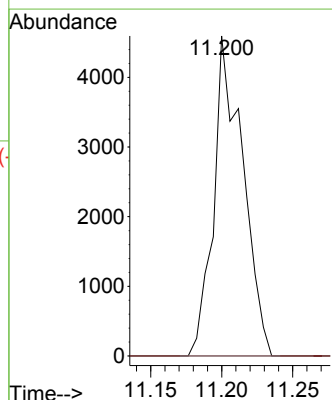
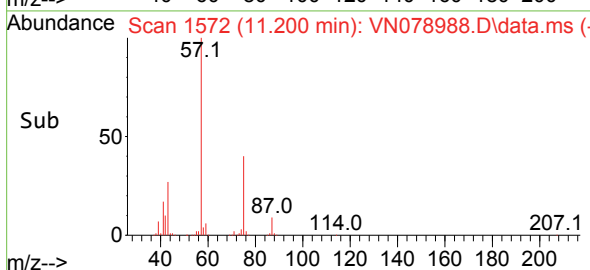
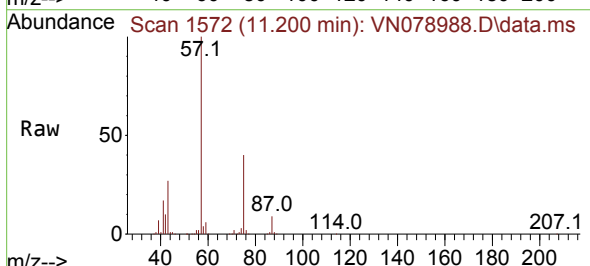


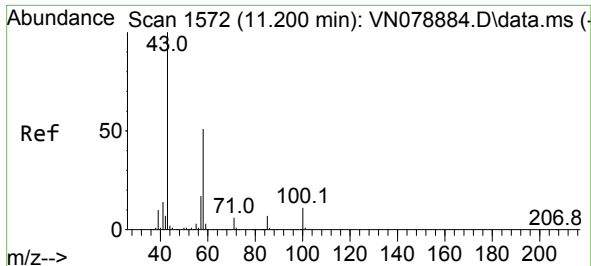
Tgt Ion: 69 Resp: 2395
Ion Ratio Lower Upper
69 100
41 4053.9 39.6 59.4#
39 1882.6 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.459 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Tgt Ion: 76 Resp: 6544
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

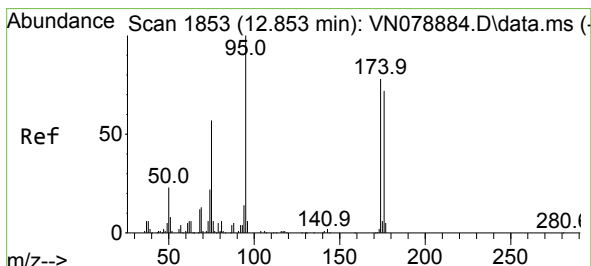
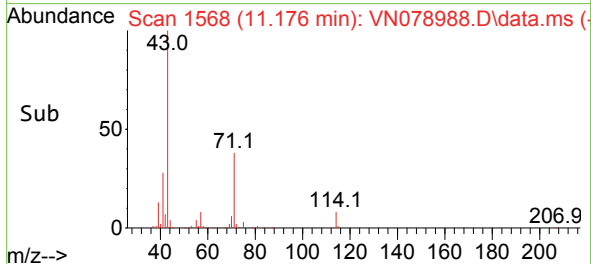
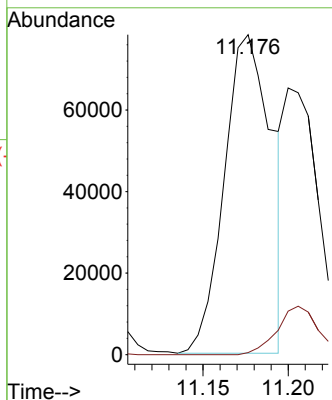
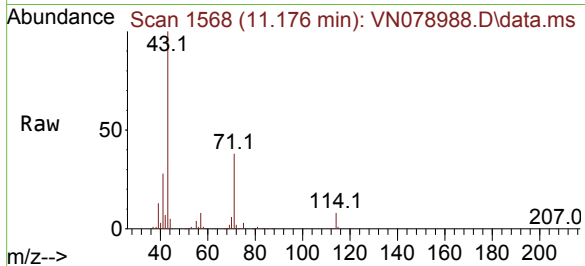




#59
2-Hexanone
Concen: 51.728 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

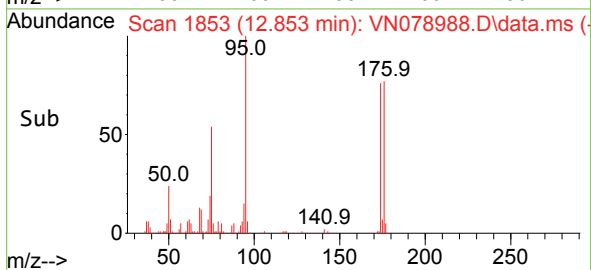
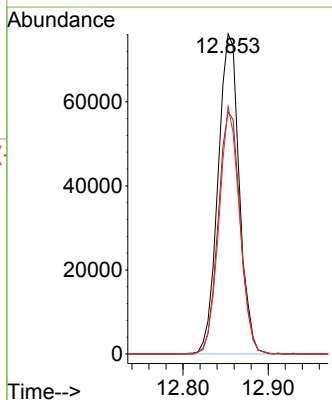
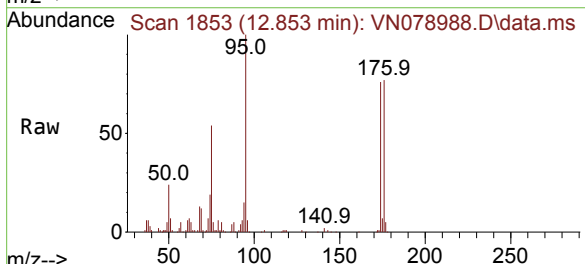
Instrument :
MSVOA_N
ClientSampleId :

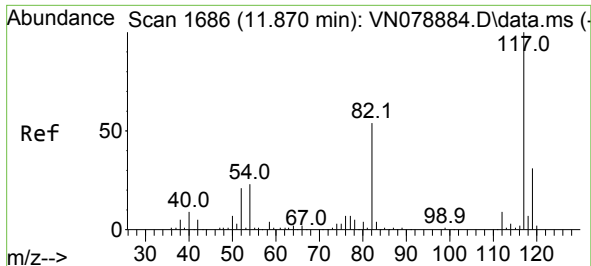
Tgt Ion: 43 Resp: 151478
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.523 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

Tgt Ion: 95 Resp: 132168
Ion Ratio Lower Upper
95 100
174 78.0 0.0 143.8
176 75.4 0.0 135.8

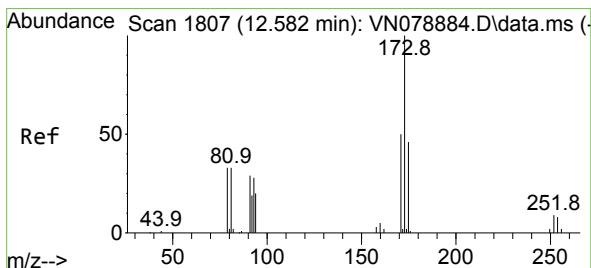
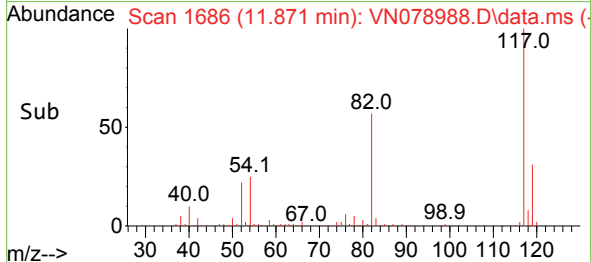
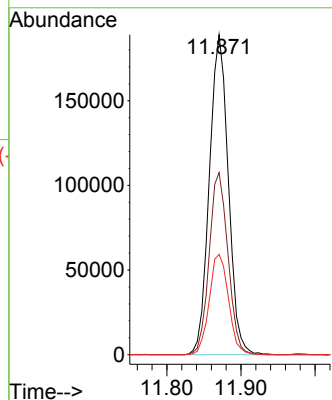
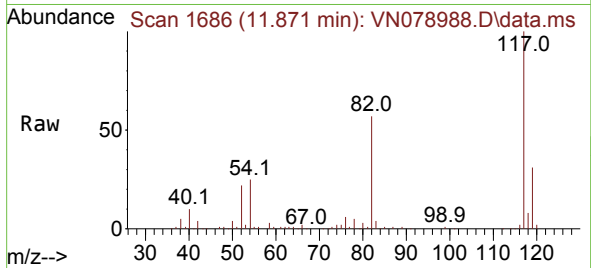




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

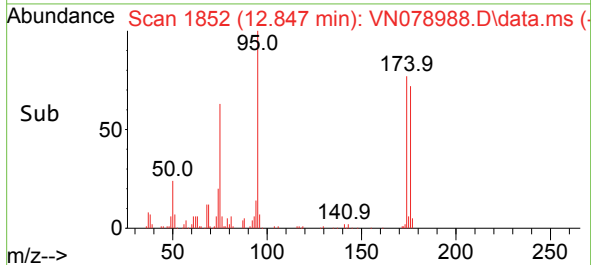
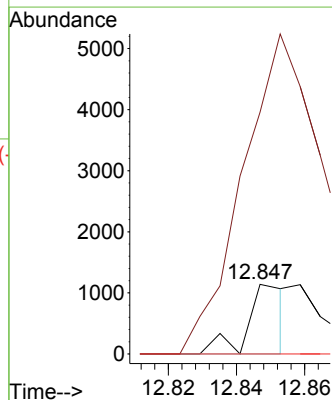
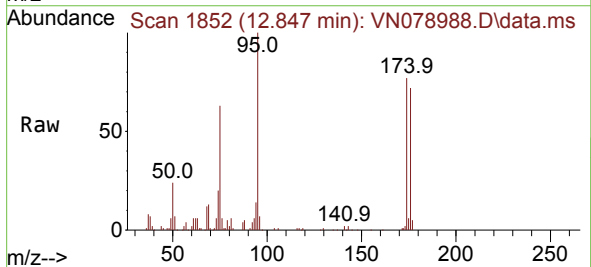
Instrument :
MSVOA_N
ClientSampleId :

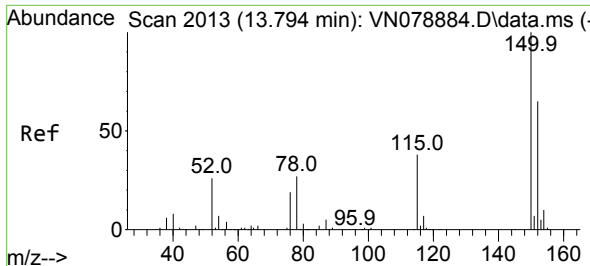
Tgt Ion:117 Resp: 335797
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.458 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

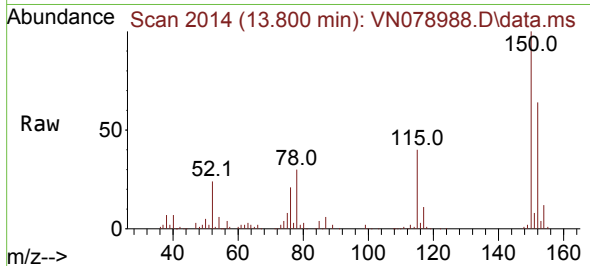
Tgt Ion:173 Resp: 899
Ion Ratio Lower Upper
173 100
175 715.1 24.3 73.0#
254 0.0 0.0 0.0



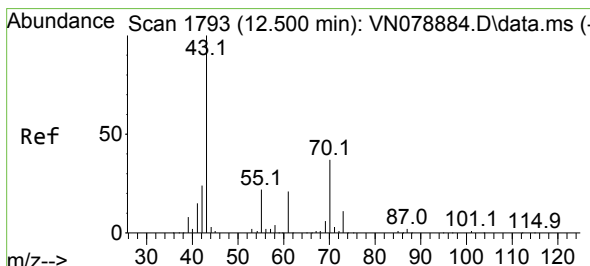
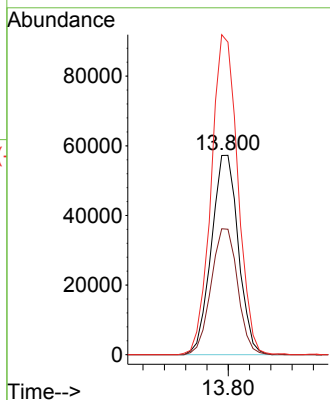
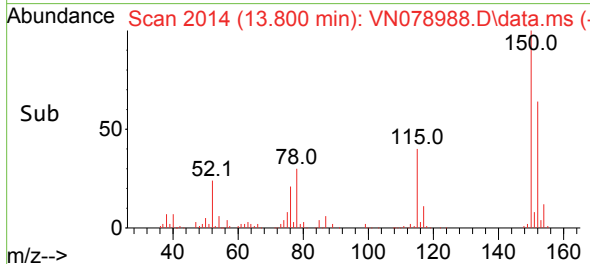


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46

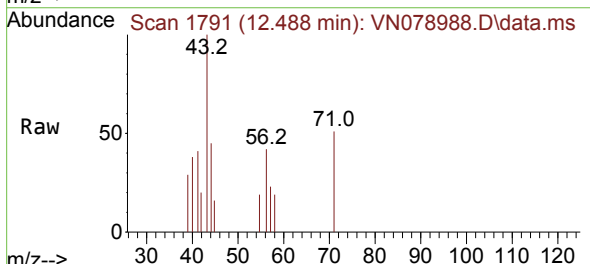
Instrument :
MSVOA_N
ClientSampleId :



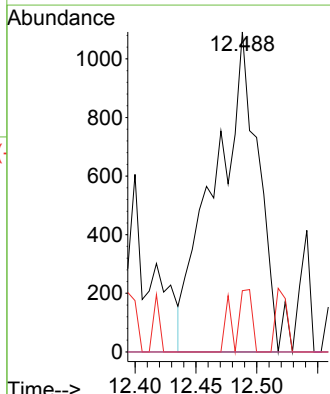
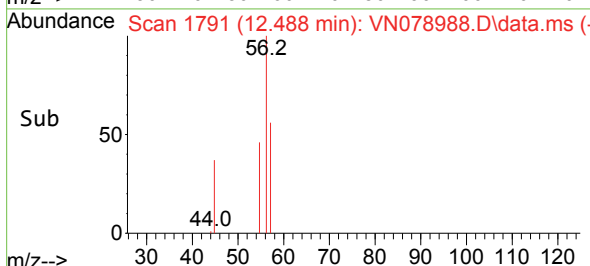
Tgt Ion:152 Resp: 100297
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 158.9 0.0 355.8

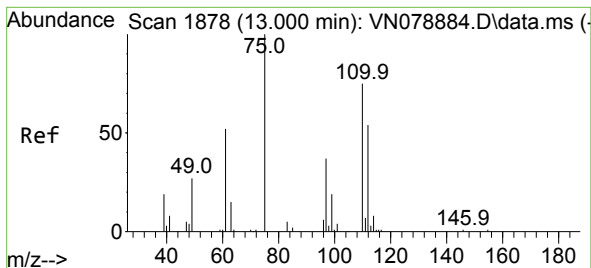


#74
N-ethyl acetate
Concen: 0.637 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078988.D
Acq: 22 Aug 2023 12:46



Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 8.1 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 30.530 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

Instrument :

MSVOA_N

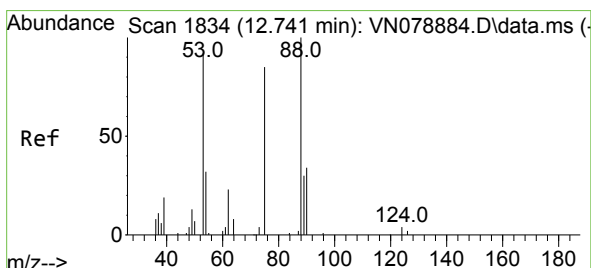
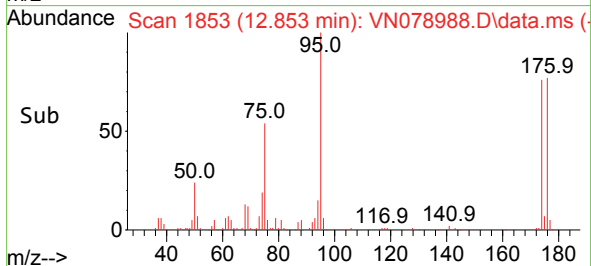
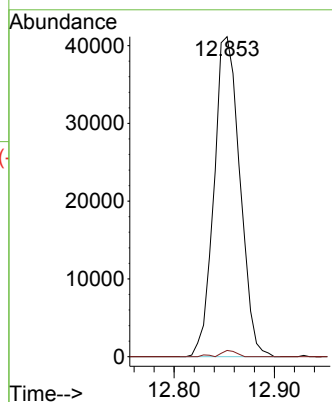
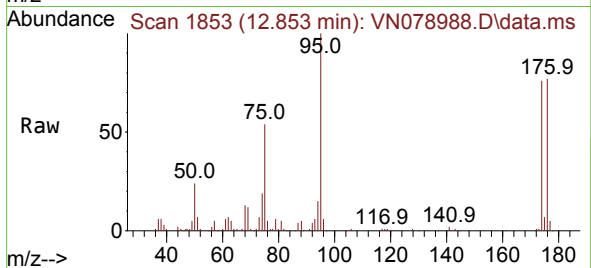
ClientSampleId :

Tgt Ion: 75 Resp: 73782

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.992 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078988.D

Acq: 22 Aug 2023 12:46

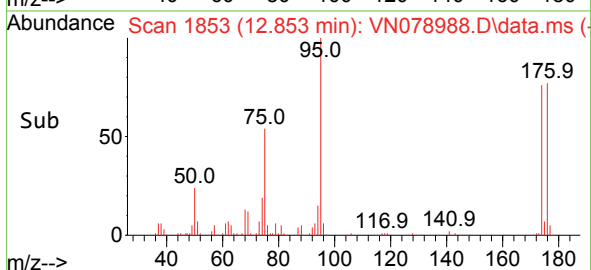
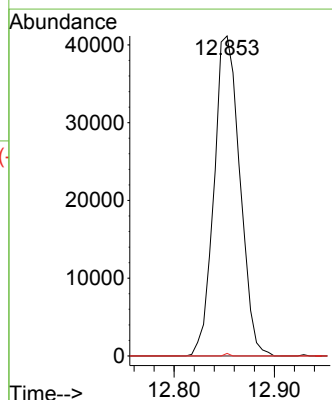
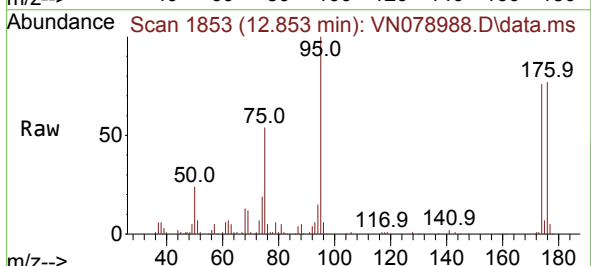
Tgt Ion: 75 Resp: 73782

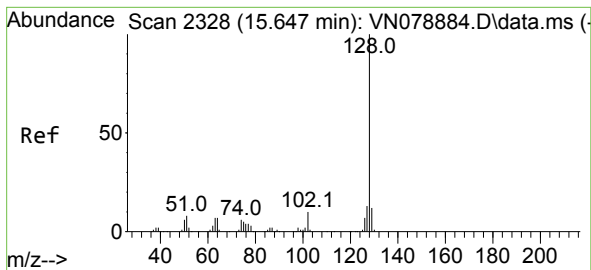
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

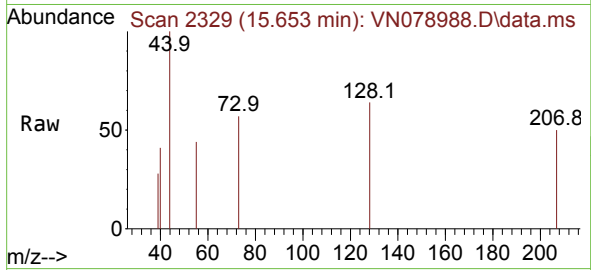
89 0.2 38.8 58.2#





#95
 Naphthalene
 Concen: 2.648 ug/l
 RT: 15.653 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN078988.D
 Acq: 22 Aug 2023 12:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	359
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

