

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082123\
 Data File : VN078976.D
 Acq On : 21 Aug 2023 15:44
 Operator : JC\MD
 Sample : 04082-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 00:58:20 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)

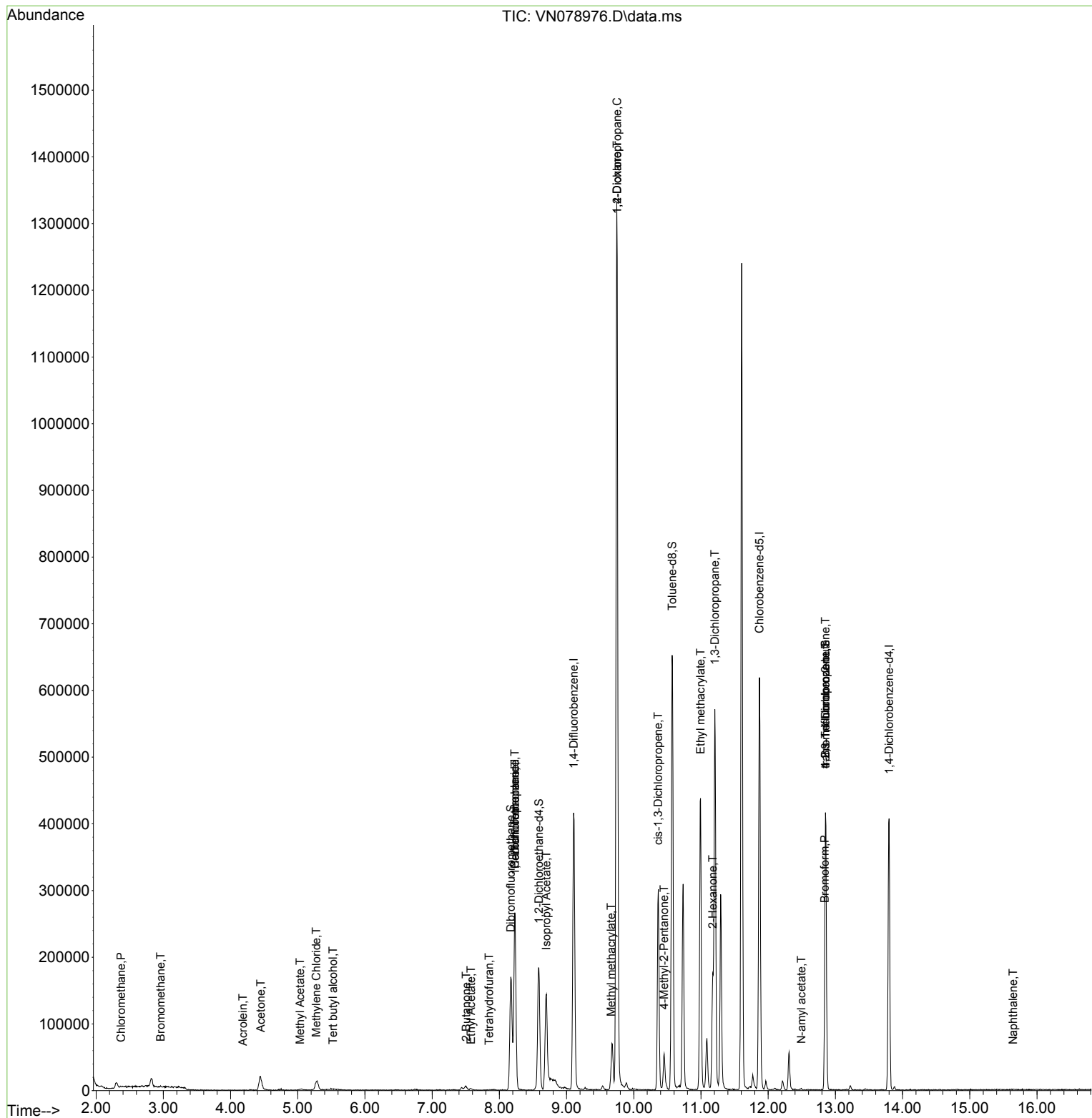
Internal Standards						
1) Pentafluorobenzene	8.230	168	189105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	352327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	345953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	108004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	147171	50.013	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.020%	
35) Dibromofluoromethane	8.171	113	122288	51.562	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.120%	
50) Toluene-d8	10.571	98	443353	50.345	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	12.853	95	135003	46.902	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	987	0.269	ug/l #	42
5) Bromomethane	2.959	94	426	0.231	ug/l #	35
11) Tert butyl alcohol	5.524	59	303	0.614	ug/l #	72
13) Acrolein	4.183	56	55	7.019	ug/l #	16
16) Acetone	4.447	43	39365	32.421	ug/l #	82
18) Methyl Acetate	5.036	43	2049	0.399	ug/l #	42
20) Methylene Chloride	5.277	84	10467	4.045	ug/l #	78
25) 2-Butanone	7.506	43	10937	5.618	ug/l #	66
29) Tetrahydrofuran	7.847	42	285	0.221	ug/l #	20
31) Cyclohexane	8.230	56	4745	Below Cal	#	39
36) 1,1-Dichloropropene	8.235	75	16899	4.737	ug/l #	47
37) Ethyl Acetate	7.577	43	2255	0.565	ug/l #	73
38) Carbon Tetrachloride	8.230	117	20216	5.655	ug/l #	15
43) Isopropyl Acetate	8.700	43	184175	26.105	ug/l #	75
45) 1,2-Dichloropropane	9.753	63	1581	0.563	ug/l #	45
48) Methyl methacrylate	9.665	41	4545	1.422	ug/l #	32
49) 1,4-Dioxane	9.753	88	171	3.140	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	41973	10.031	ug/l #	77
54) cis-1,3-Dichloropropene	10.365	75	48732	10.973	ug/l #	69
56) Ethyl methacrylate	10.994	69	2310	0.574	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5765	1.242	ug/l #	42
59) 2-Hexanone	11.176	43	142273	46.942	ug/l #	19
71) Bromoform	12.841	173	940	0.465	ug/l #	1
74) N-amyl acetate	12.494	43	1525	0.335	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	76024	29.213	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76024	74.627	ug/l #	15
95) Naphthalene	15.647	128	380	2.647	ug/l #	70

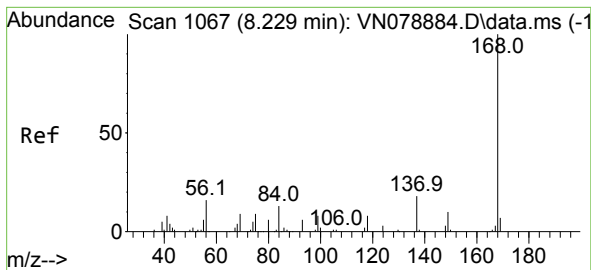
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082123\
Data File : VN078976.D
Acq On : 21 Aug 2023 15:44
Operator : JC\MD
Sample : 04082-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 22 00:58:20 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: VN078976.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_N

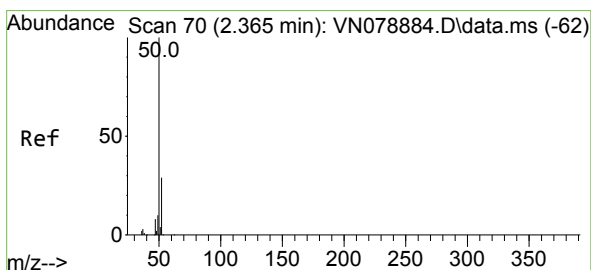
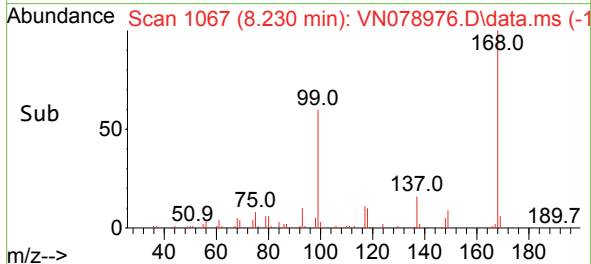
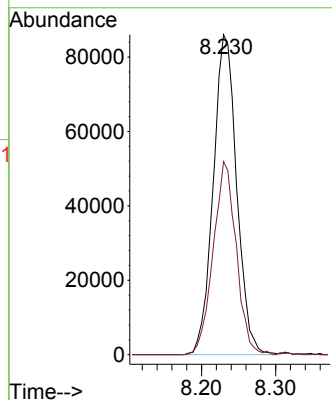
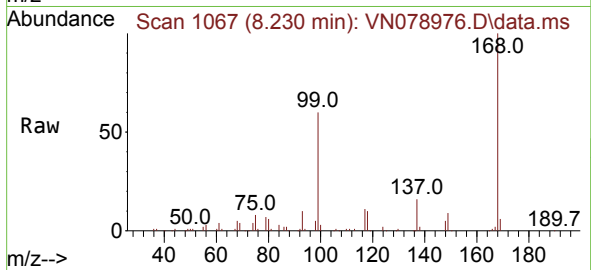
ClientSampleId :

Tgt Ion:168 Resp: 189105

Ion Ratio Lower Upper

168 100

99 60.3 53.0 79.6



#3

Chloromethane

Concen: 0.269 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078976.D

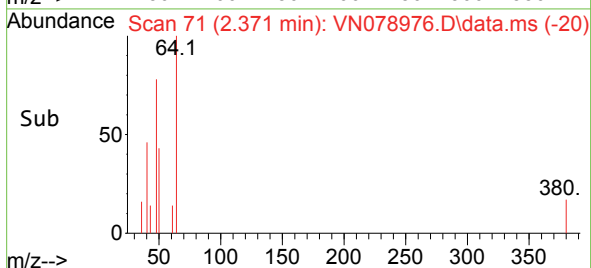
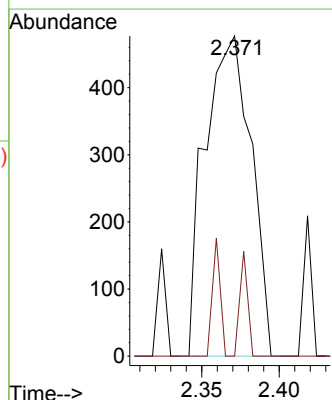
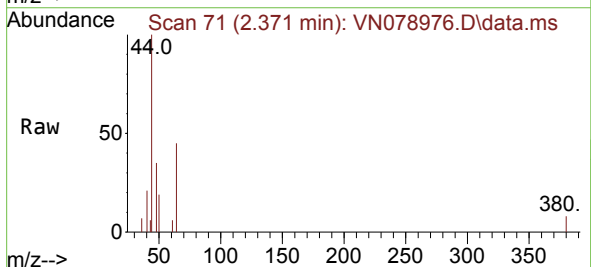
Acq: 21 Aug 2023 15:44

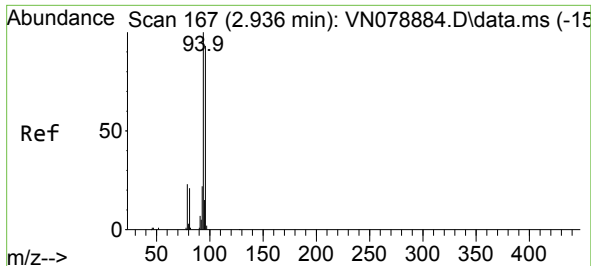
Tgt Ion: 50 Resp: 987

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

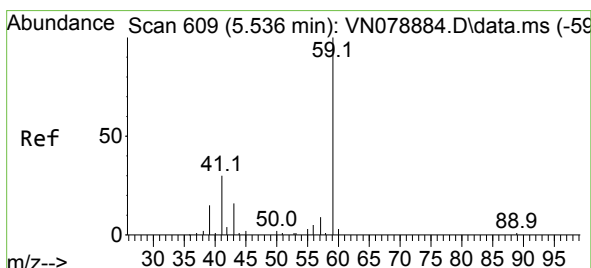
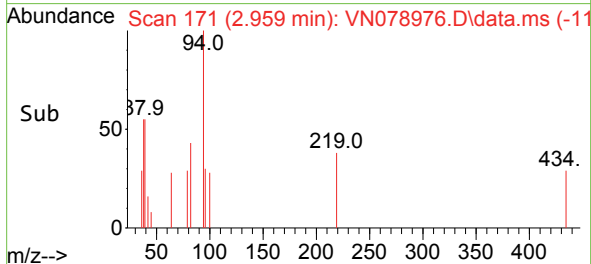
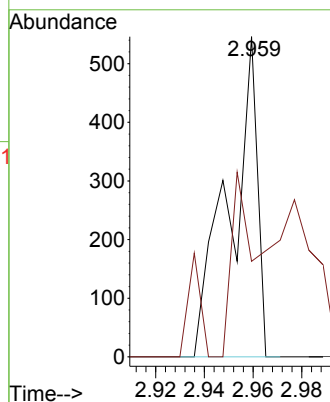
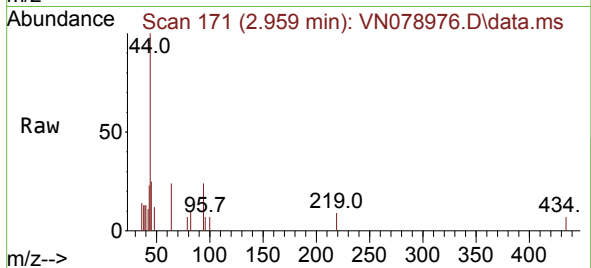




#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

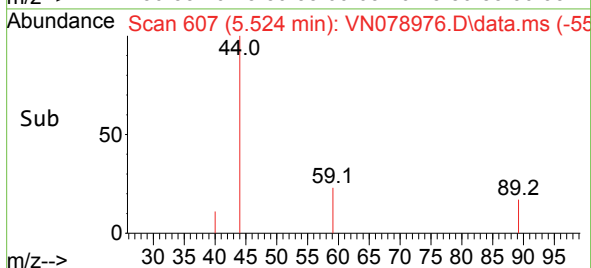
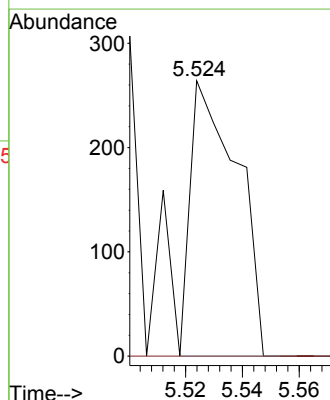
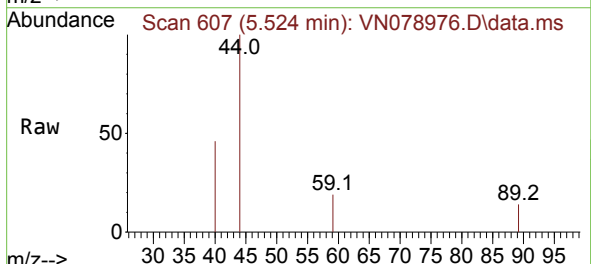
Instrument :
MSVOA_N
ClientSampleId :

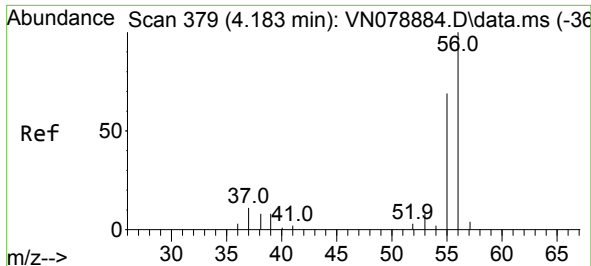
Tgt Ion: 94 Resp: 426
Ion Ratio Lower Upper
94 100
96 29.9 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.614 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

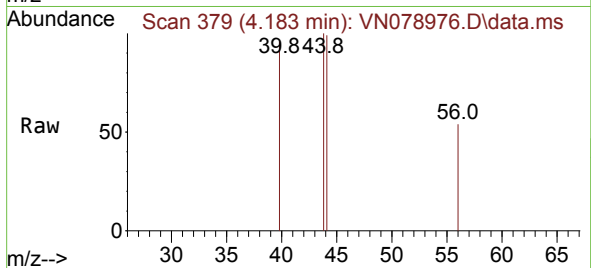
Tgt Ion: 59 Resp: 303
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



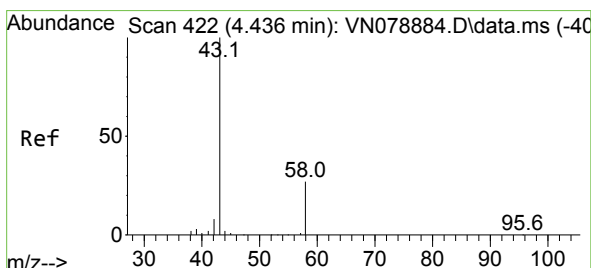
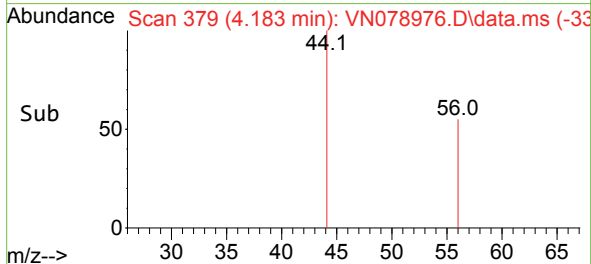
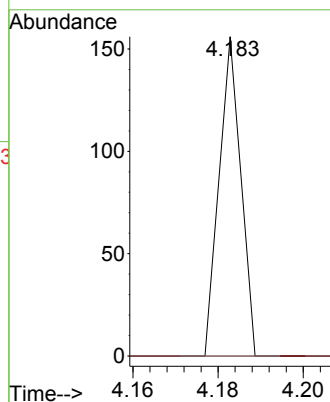


#13
Acrolein
Concen: 7.019 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Instrument :
MSVOA_N
ClientSampleId :

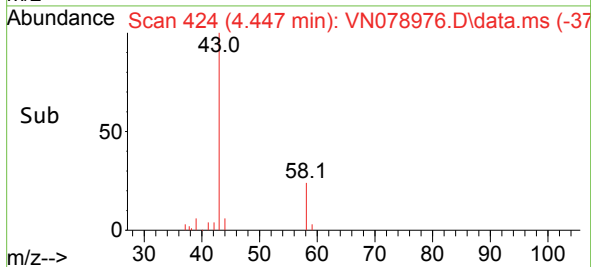
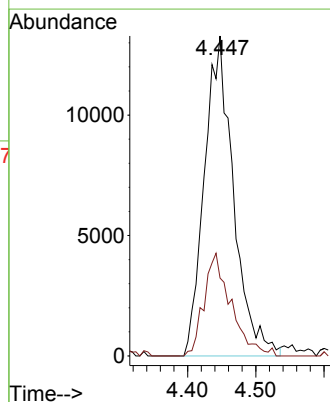
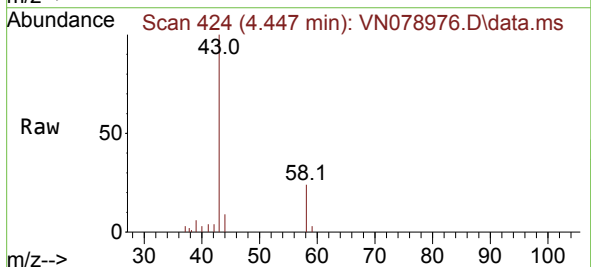


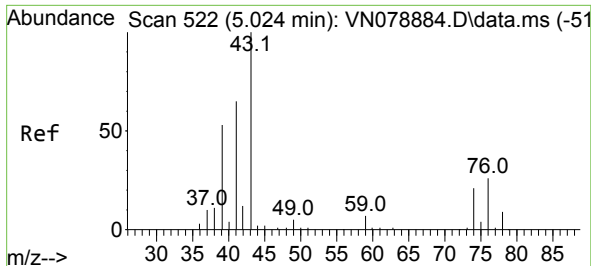
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 32.421 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 43 Resp: 39365
Ion Ratio Lower Upper
43 100
58 24.4 28.0 42.0#

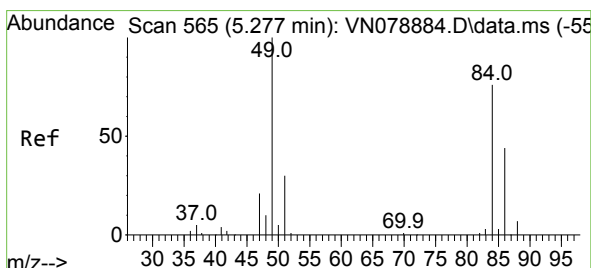
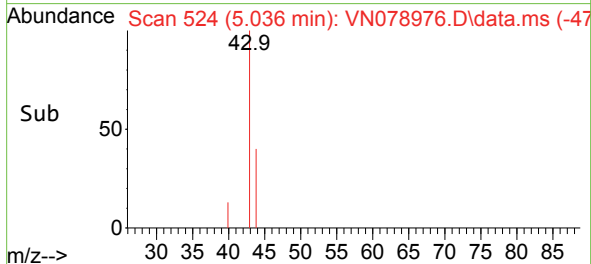
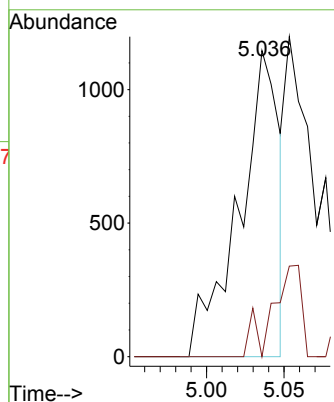
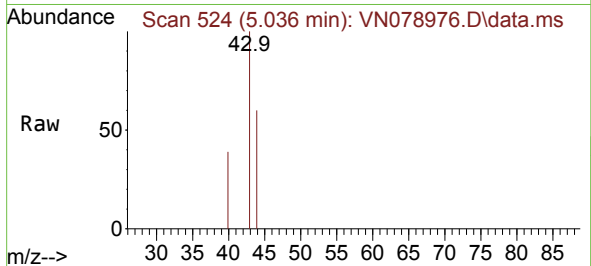




#18
Methyl Acetate
Concen: 0.399 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

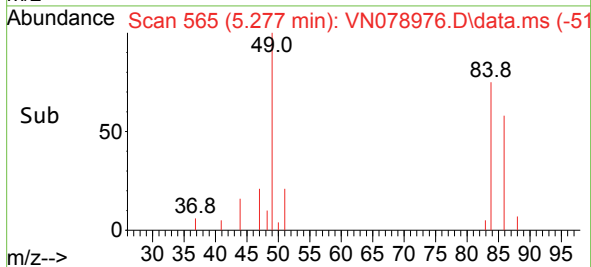
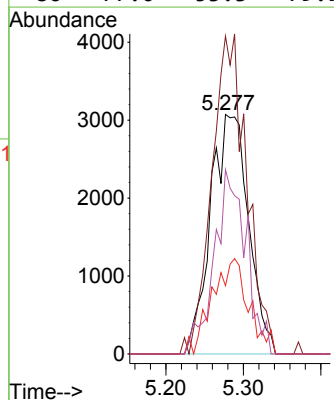
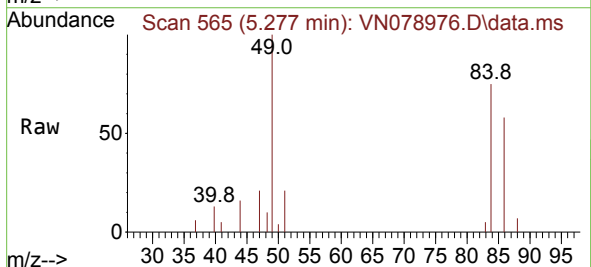
Instrument :
MSVOA_N
ClientSampleId :

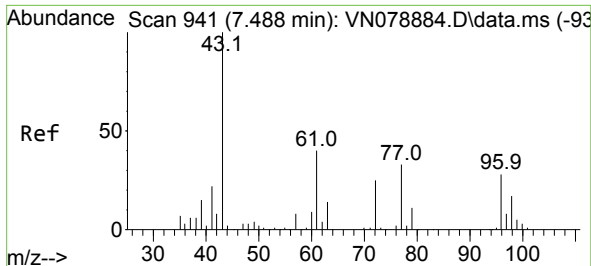
Tgt Ion: 43 Resp: 2049
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 4.045 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 84 Resp: 10467
Ion Ratio Lower Upper
84 100
49 132.7 79.7 119.5#
51 28.4 25.2 37.8
86 77.0 53.3 79.9





#25

2-Butanone

Concen: 5.618 ug/l

RT: 7.506 min Scan# 941

Delta R.T. 0.012 min

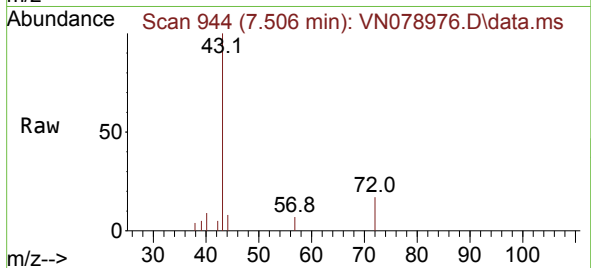
Lab File: VN078976.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :

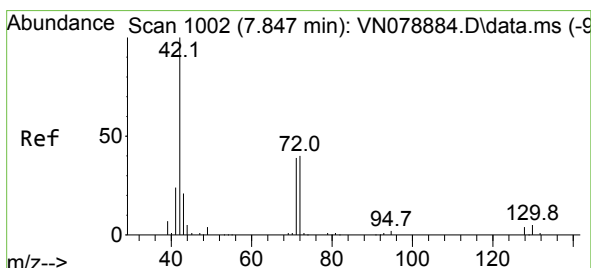
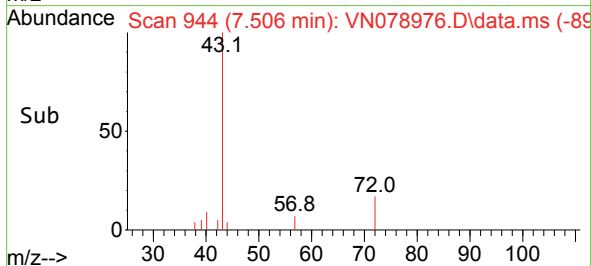
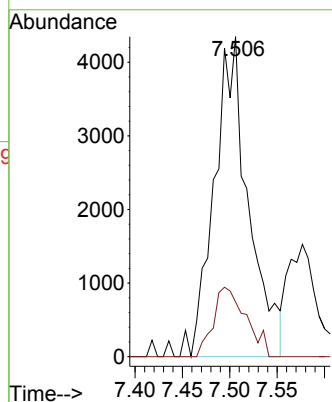


Tgt Ion: 43 Resp: 10937

Ion Ratio Lower Upper

43 100

72 17.1 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.221 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078976.D

Acq: 21 Aug 2023 15:44

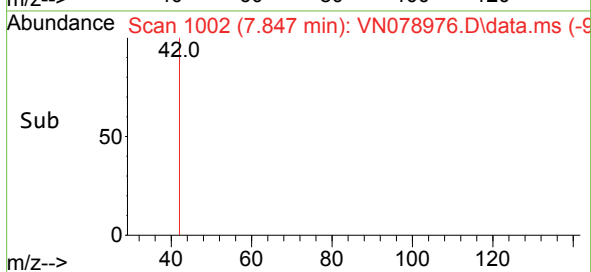
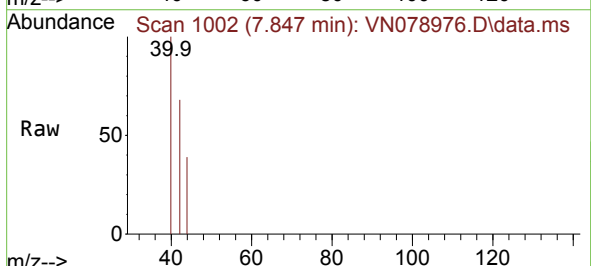
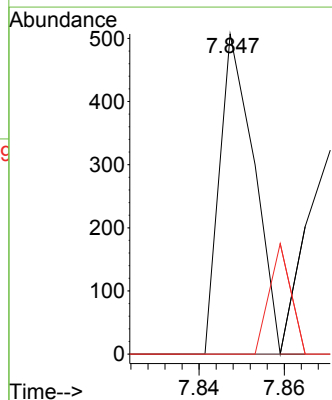
Tgt Ion: 42 Resp: 285

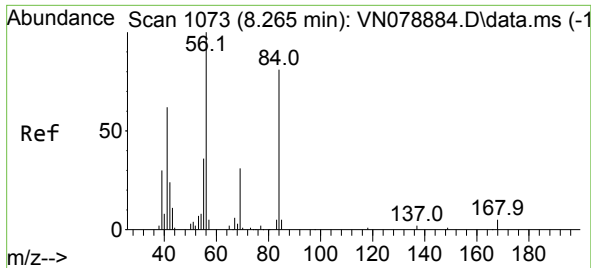
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

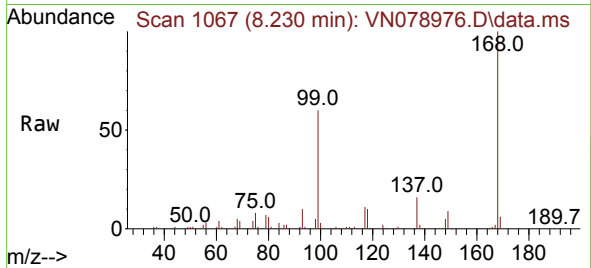
71 0.0 47.4 71.2#



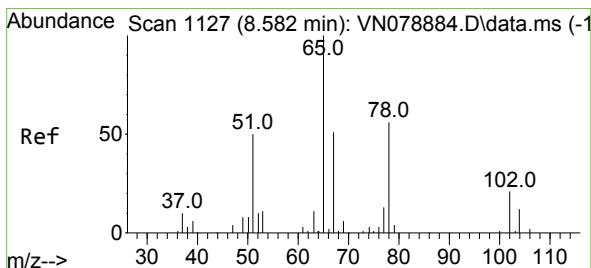
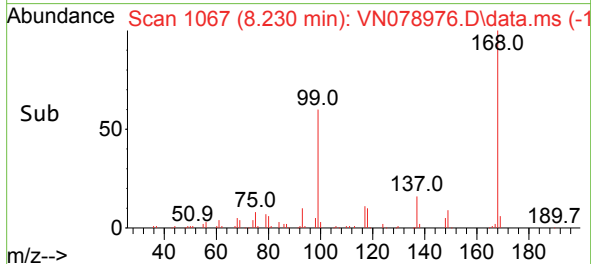
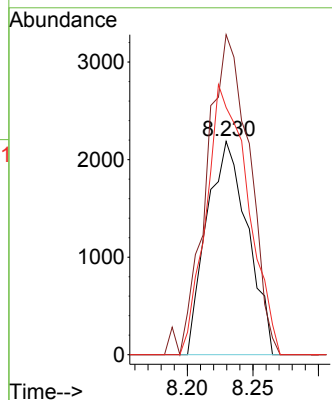


#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Instrument :
MSVOA_N
ClientSampleId :

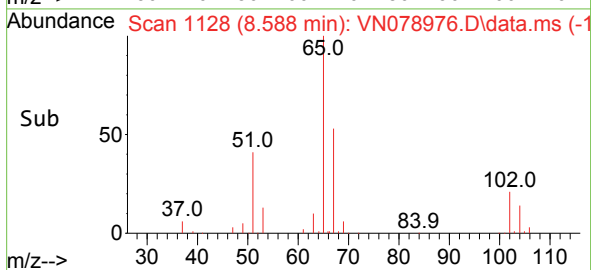
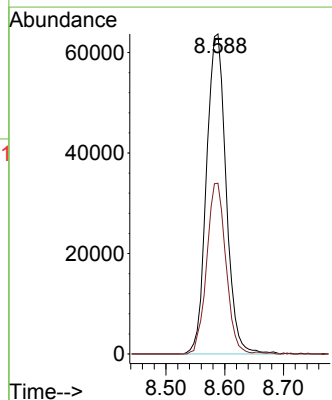
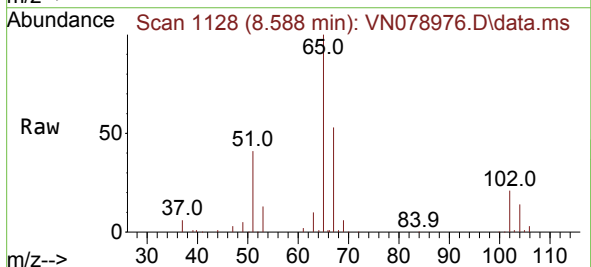


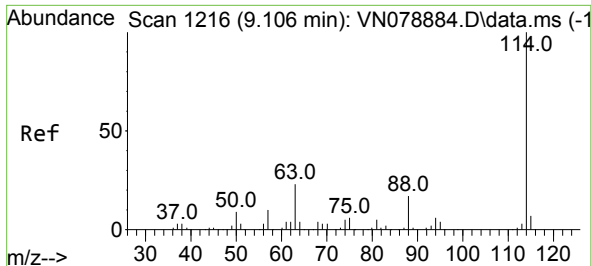
Tgt Ion: 56 Resp: 4745
Ion Ratio Lower Upper
56 100
69 150.0 26.8 40.2#
84 115.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.013 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 65 Resp: 147171
Ion Ratio Lower Upper
65 100
67 52.2 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: VN078976.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :

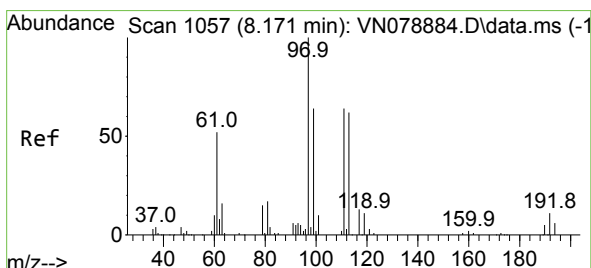
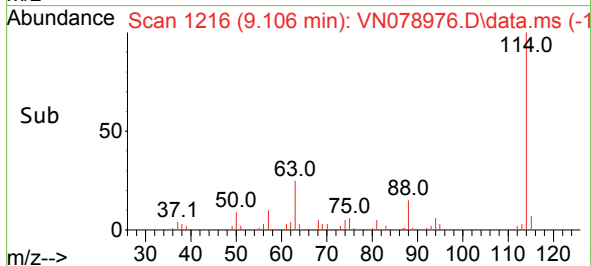
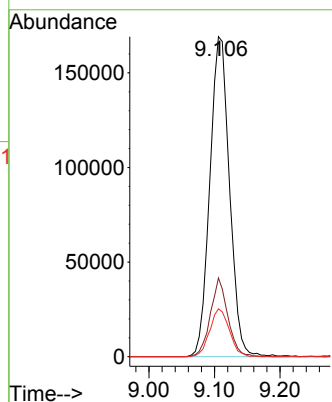
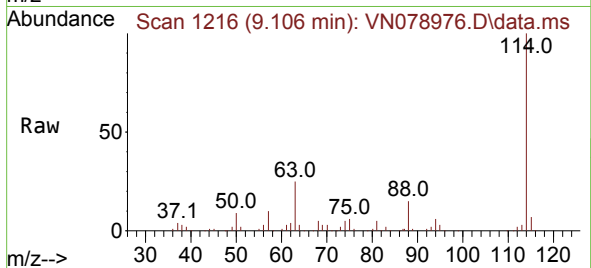
Tgt Ion:114 Resp: 352327

Ion Ratio Lower Upper

114 100

63 24.6 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.562 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078976.D

Acq: 21 Aug 2023 15:44

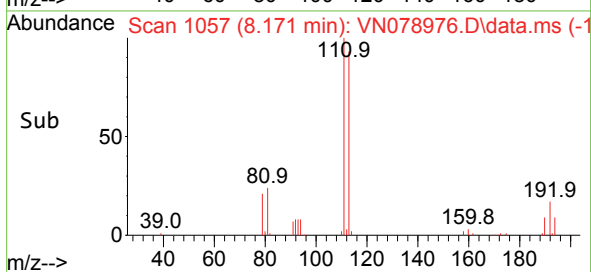
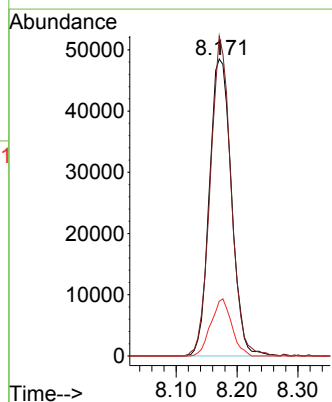
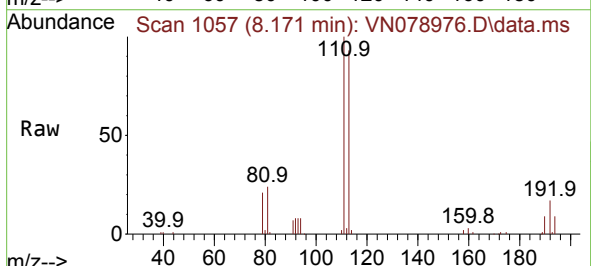
Tgt Ion:113 Resp: 122288

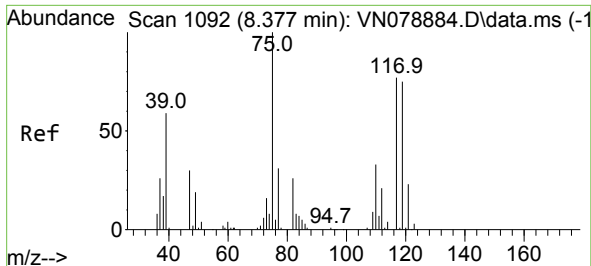
Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

192 18.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.737 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.142 min

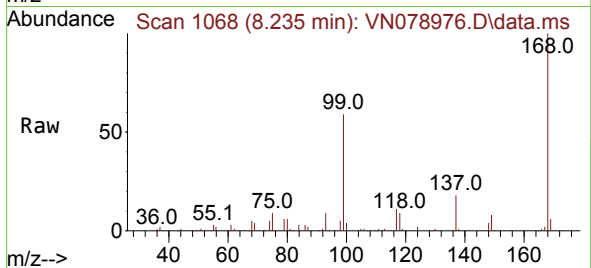
Lab File: VN078976.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :



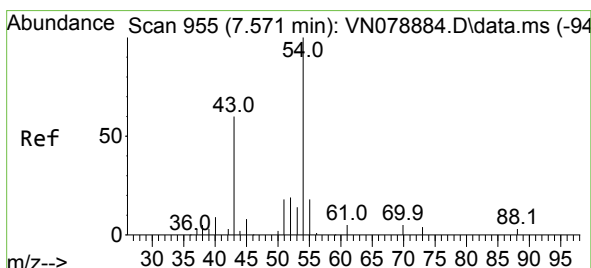
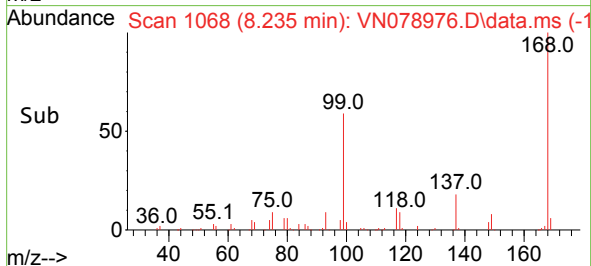
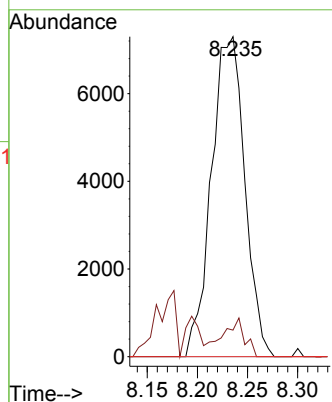
Tgt Ion: 75 Resp: 16899

Ion Ratio Lower Upper

75 100

110 7.5 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.565 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN078976.D

Acq: 21 Aug 2023 15:44

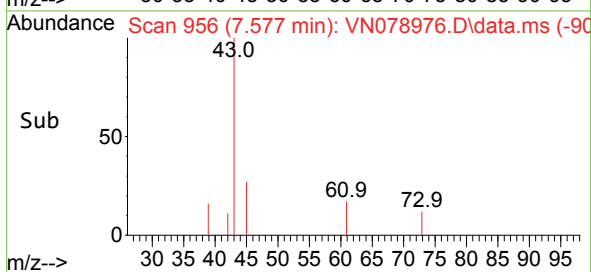
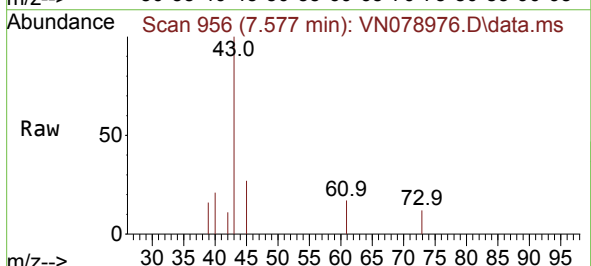
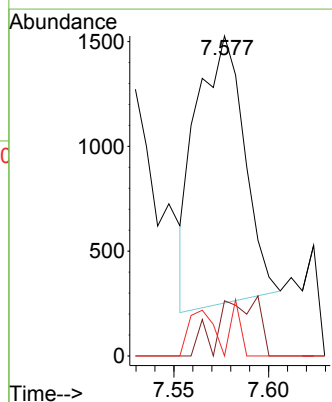
Tgt Ion: 43 Resp: 2255

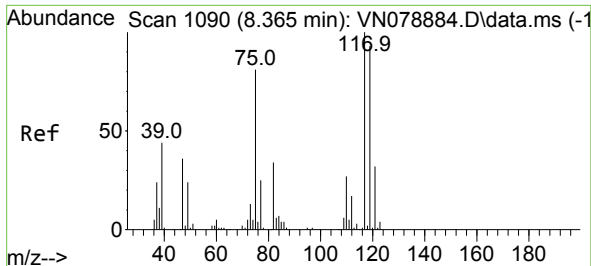
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

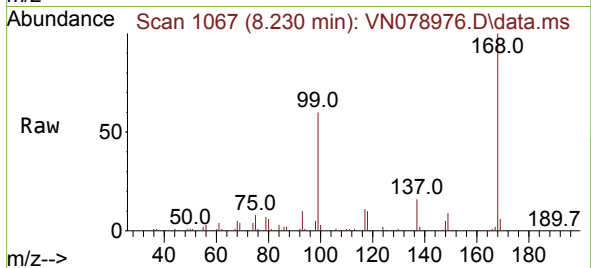
70 8.8 11.3 16.9#



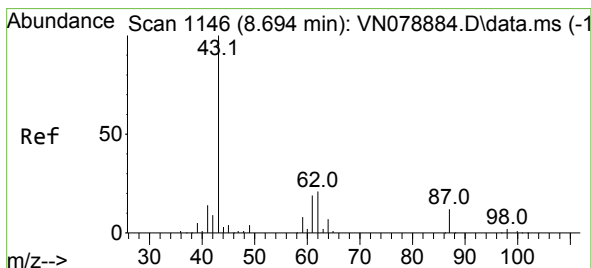
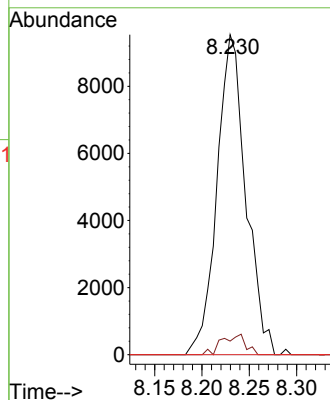
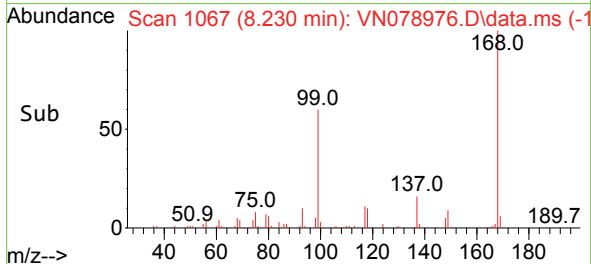


#38
Carbon Tetrachloride
Concen: 5.655 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Instrument :
MSVOA_N
ClientSampleId :

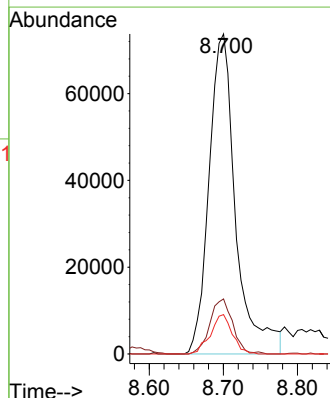
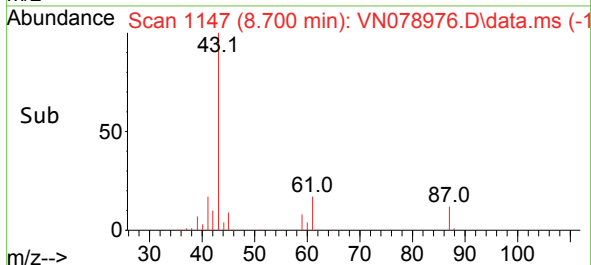
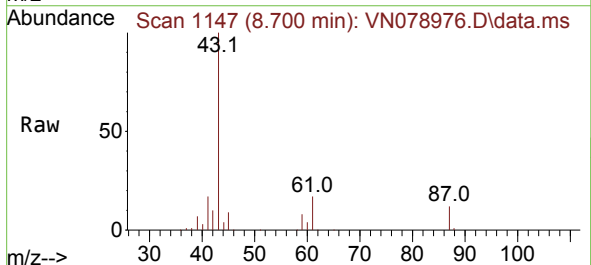


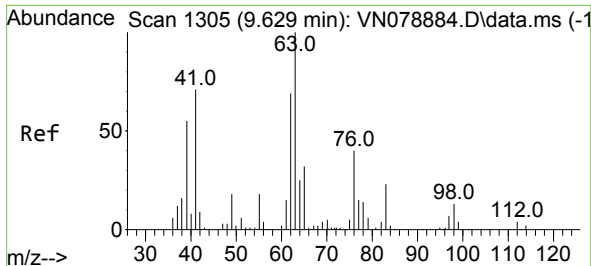
Tgt Ion:117 Resp: 20216
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 26.105 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 43 Resp: 184175
Ion Ratio Lower Upper
43 100
61 14.7 24.7 37.1#
87 10.0 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.563 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN078976.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_N

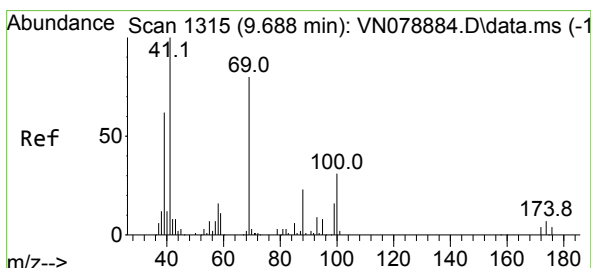
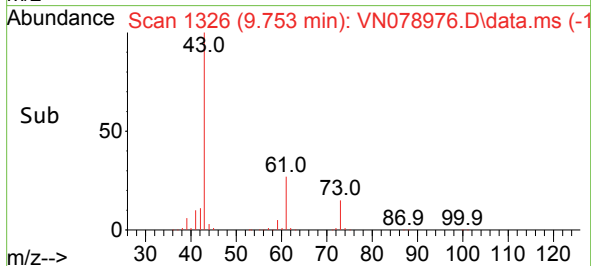
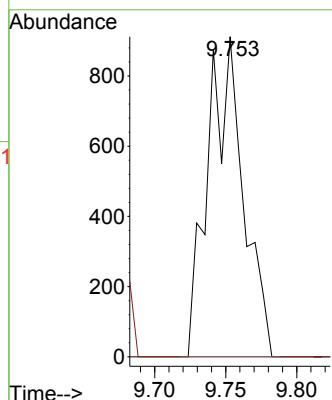
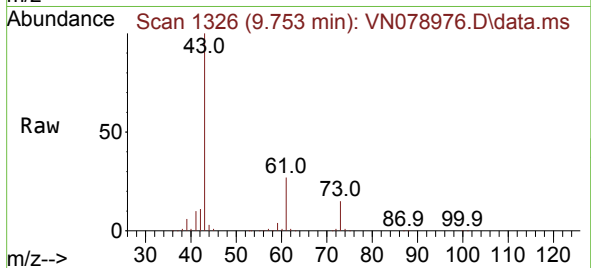
ClientSampleId :

Tgt Ion: 63 Resp: 1581

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.422 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.023 min

Lab File: VN078976.D

Acq: 21 Aug 2023 15:44

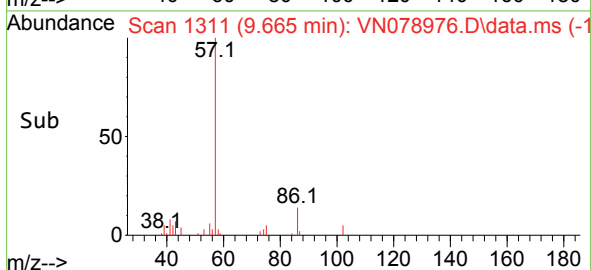
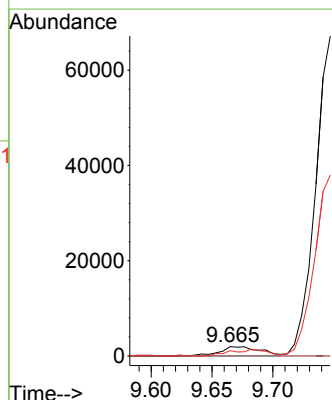
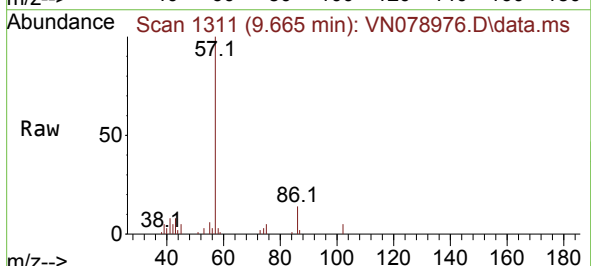
Tgt Ion: 41 Resp: 4545

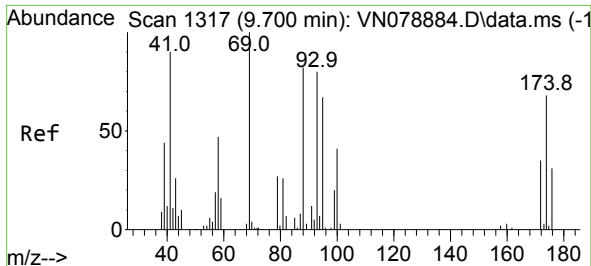
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 63.5 54.6 81.8





#49

1,4-Dioxane

Concen: 3.140 ug/l

RT: 9.753 min Scan# 1317

Delta R.T. 0.053 min

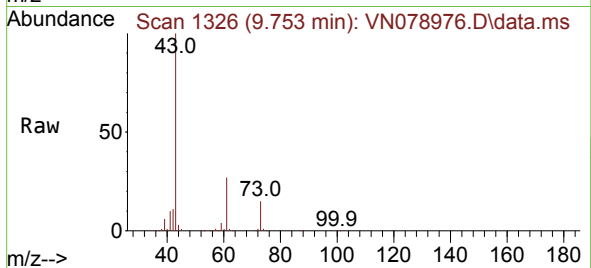
Lab File: VN078976.D

Acq: 21 Aug 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :



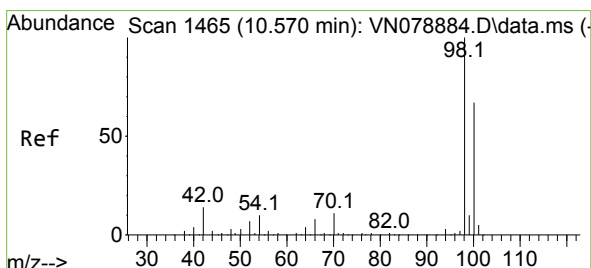
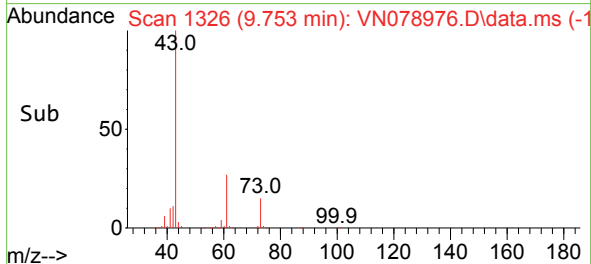
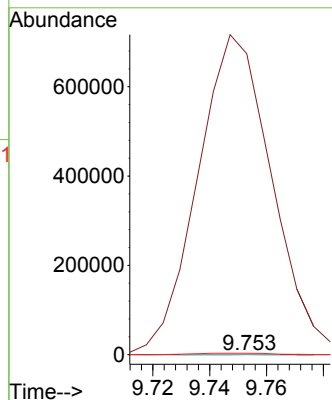
Tgt Ion: 88 Resp: 171

Ion Ratio Lower Upper

88 100

43 772881.3 17.0 25.6#

58 3813.5 47.0 70.4#



#50

Toluene-d8

Concen: 50.345 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078976.D

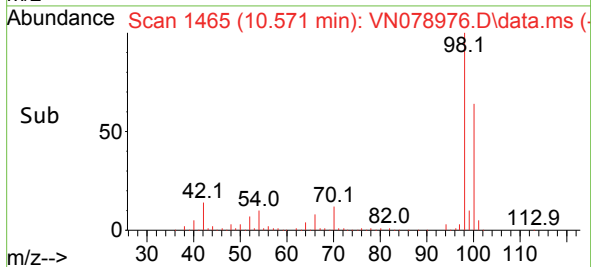
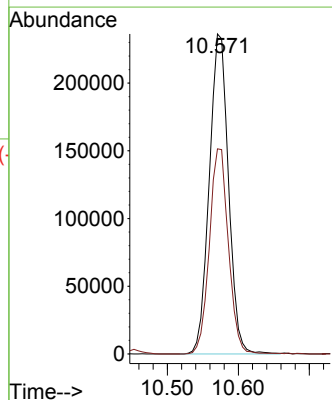
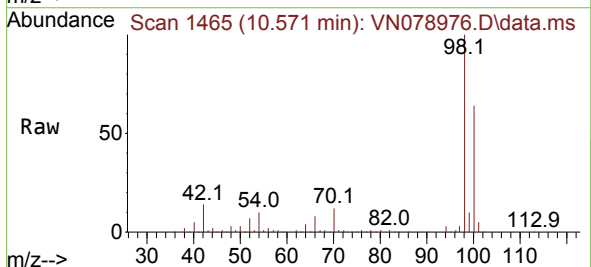
Acq: 21 Aug 2023 15:44

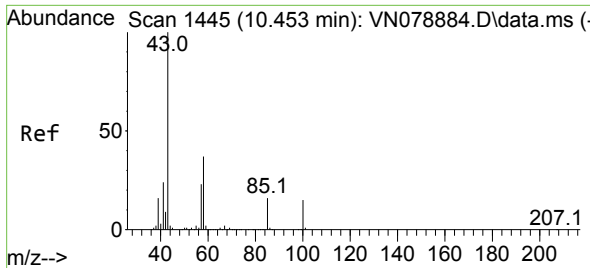
Tgt Ion: 98 Resp: 443353

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0

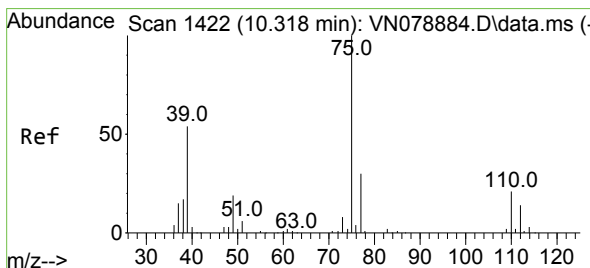
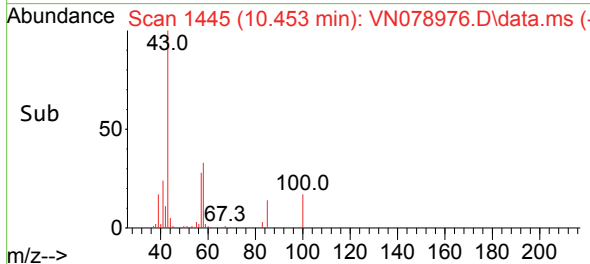
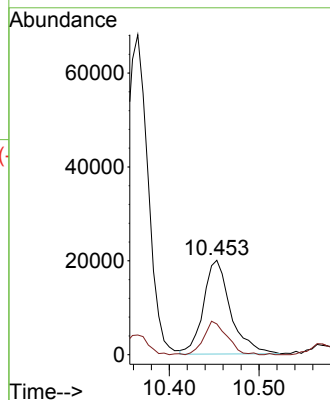
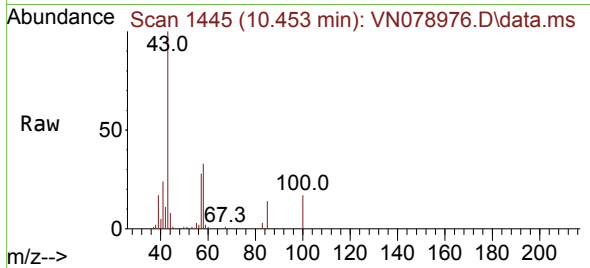




#51
4-Methyl-2-Pentanone
Concen: 10.031 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

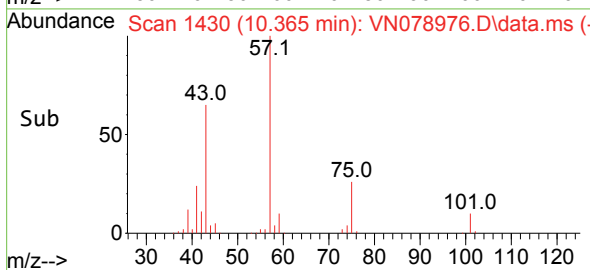
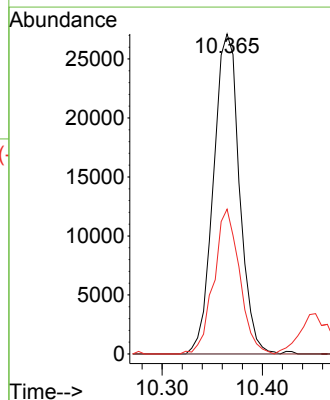
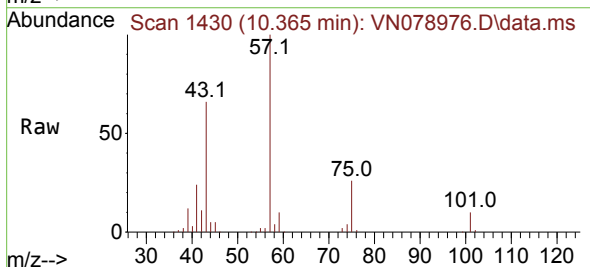
Instrument :
MSVOA_N
ClientSampleId :

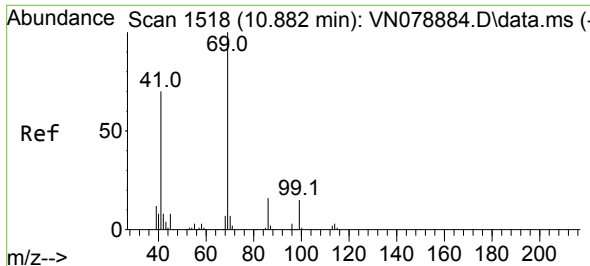
Tgt Ion: 43 Resp: 41973
Ion Ratio Lower Upper
43 100
58 30.4 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 10.973 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

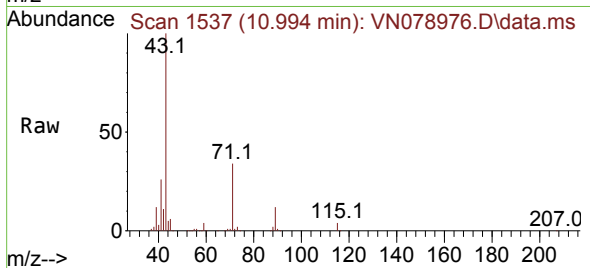
Tgt Ion: 75 Resp: 48732
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 45.2 31.6 47.4



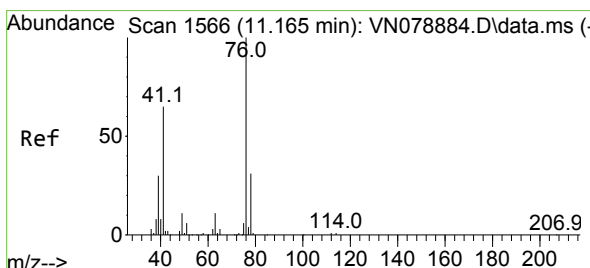
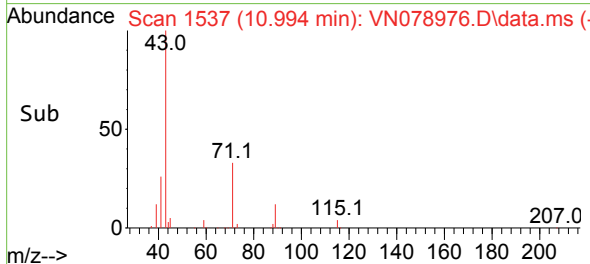
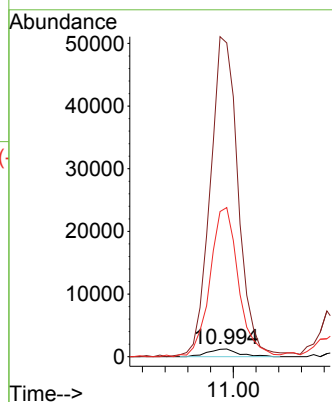


#56
Ethyl methacrylate
Concen: 0.574 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Instrument :
MSVOA_N
ClientSampleId :

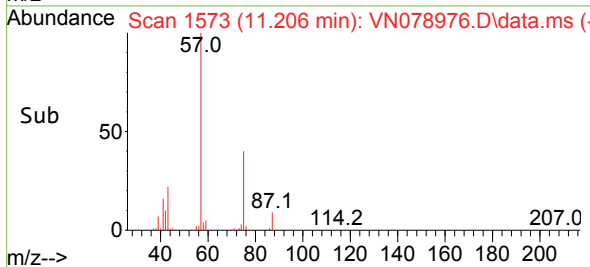
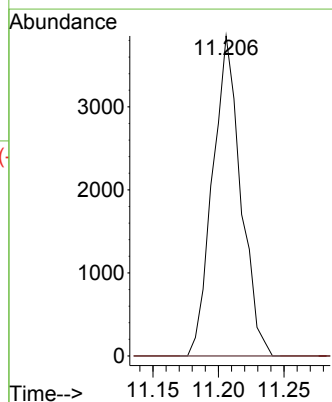
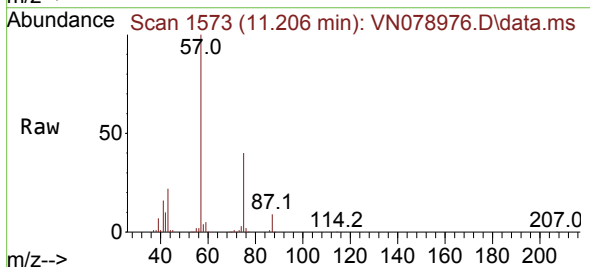


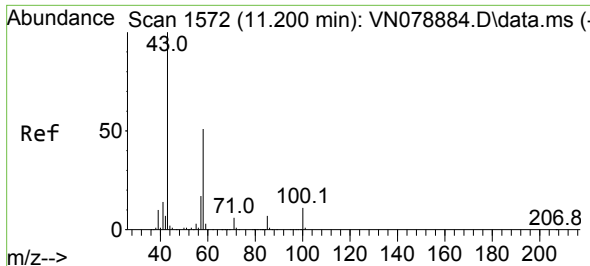
Tgt Ion: 69 Resp: 2310
Ion Ratio Lower Upper
69 100
41 3788.8 39.6 59.4#
39 1795.4 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.242 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 76 Resp: 5765
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

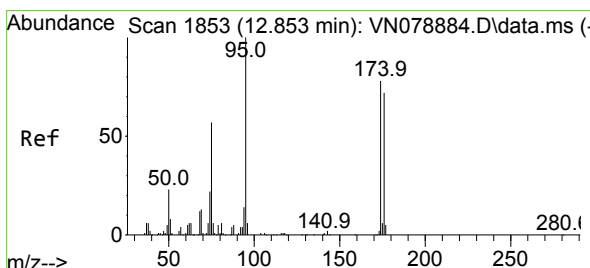
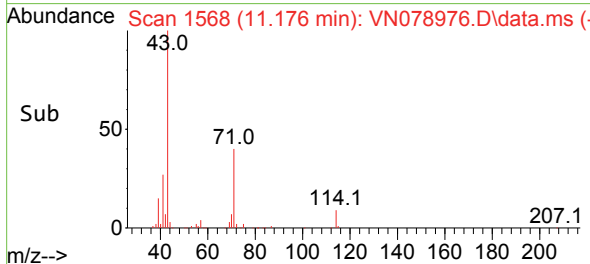
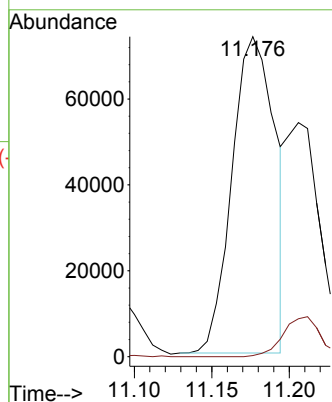
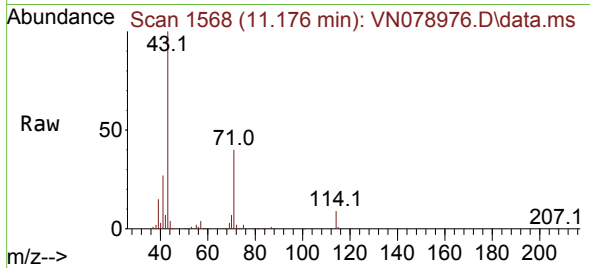




#59
2-Hexanone
Concen: 46.942 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

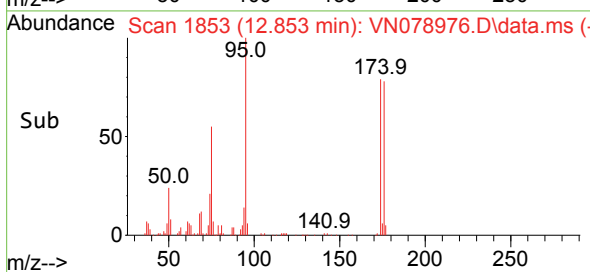
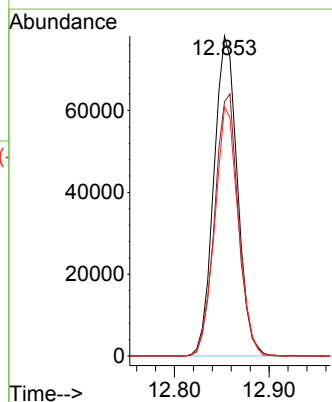
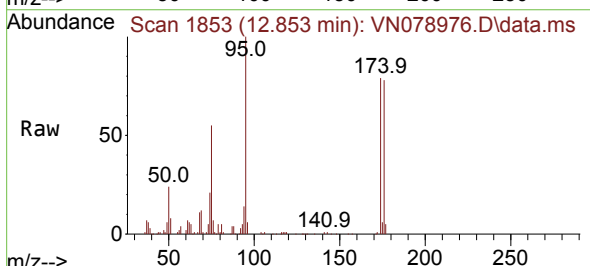
Instrument :
MSVOA_N
ClientSampleId :

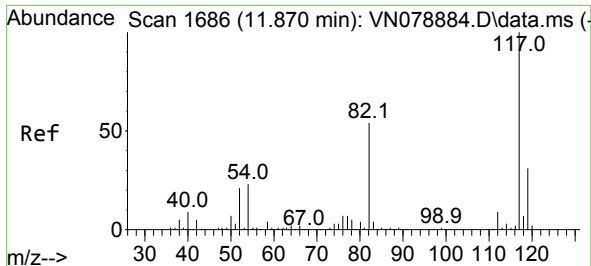
Tgt Ion: 43 Resp: 142273
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.902 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

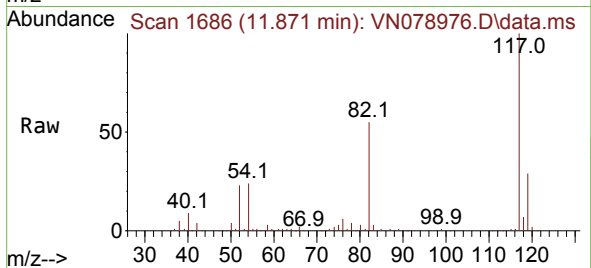
Tgt Ion: 95 Resp: 135003
Ion Ratio Lower Upper
95 100
174 81.8 0.0 143.8
176 78.6 0.0 135.8



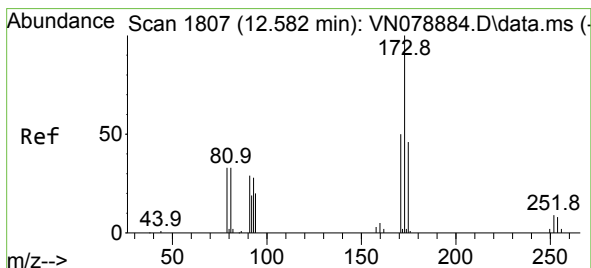
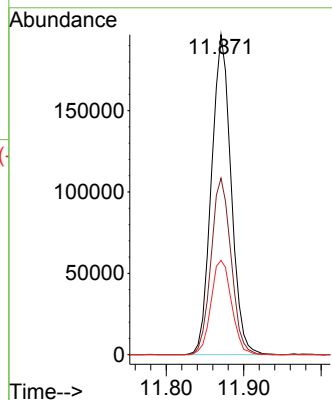
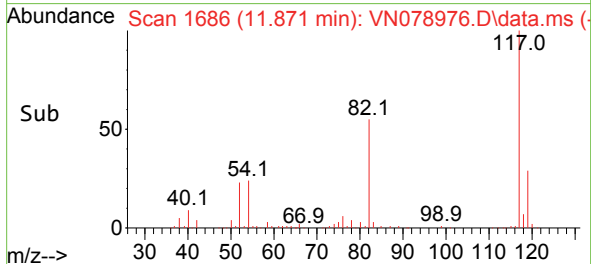


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Instrument :
MSVOA_N
ClientSampleId :

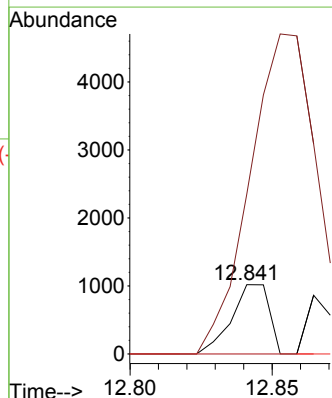
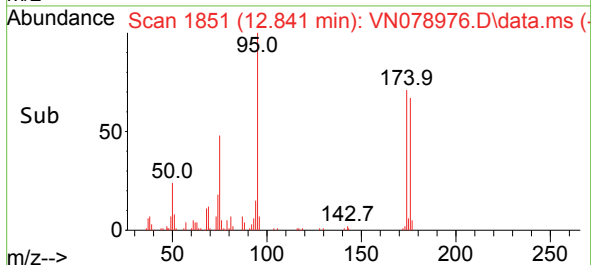
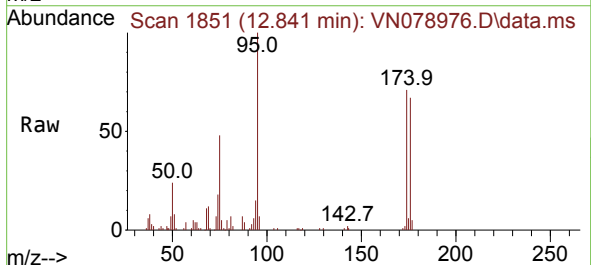


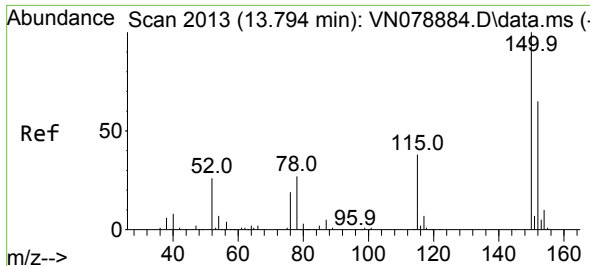
Tgt Ion:117 Resp: 345953
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 29.4 25.6 38.4



#71
Bromoform
Concen: 0.465 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Tgt Ion:173 Resp: 940
Ion Ratio Lower Upper
173 100
175 637.0 24.3 73.0#
254 0.0 0.0 0.0

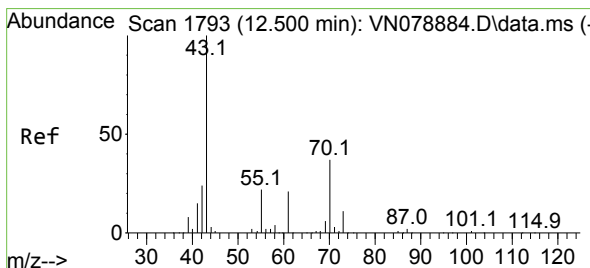
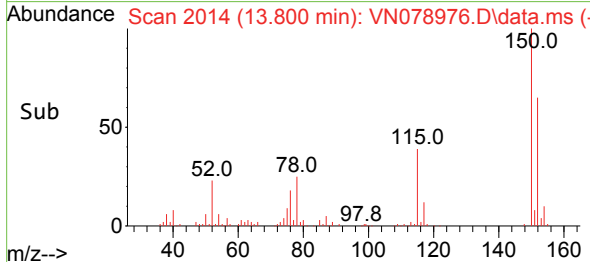
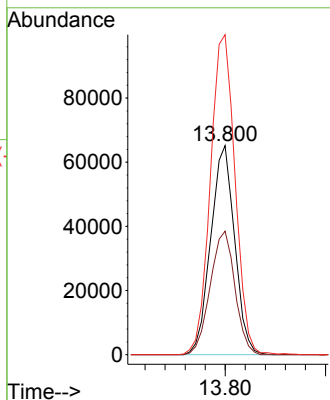
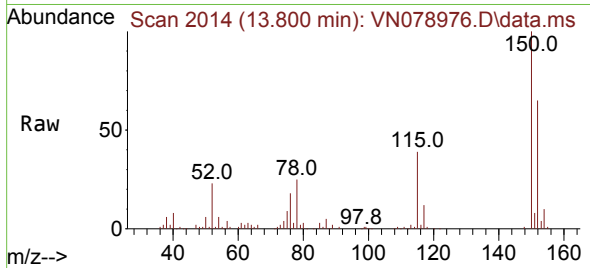




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

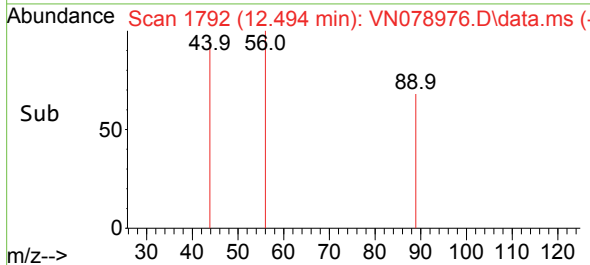
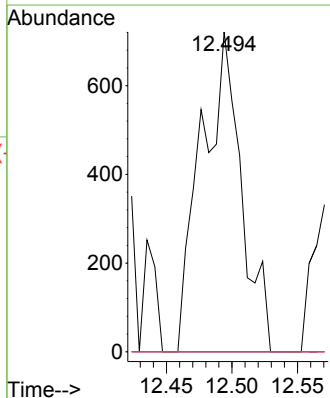
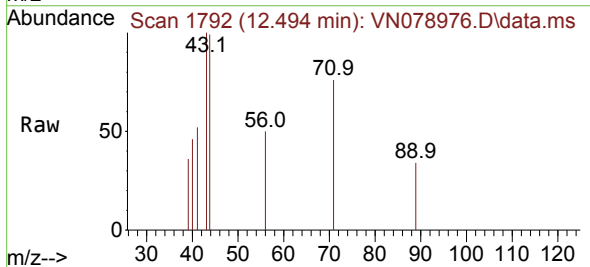
Instrument :
MSVOA_N
ClientSampleId :

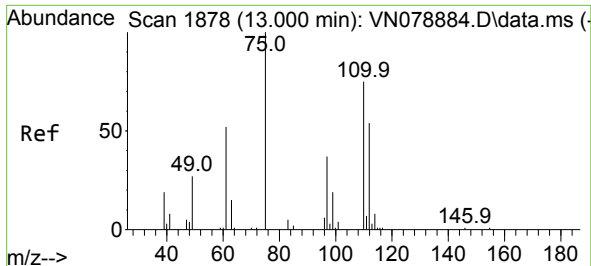
Tgt Ion:152 Resp: 108004
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 158.1 0.0 355.8



#74
N-ethyl acetate
Concen: 0.335 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

Tgt Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

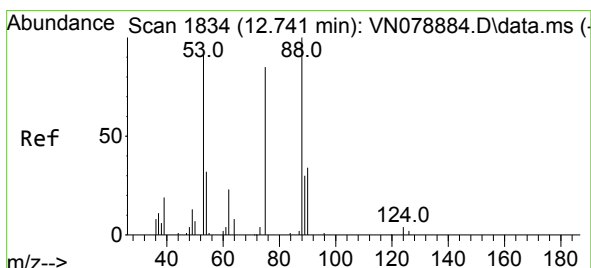
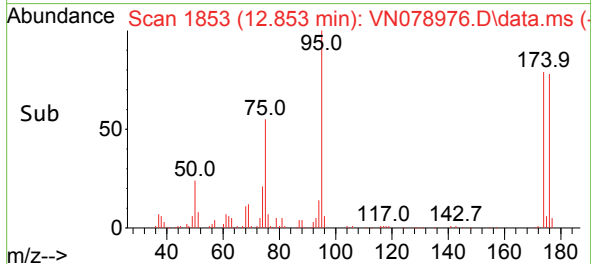
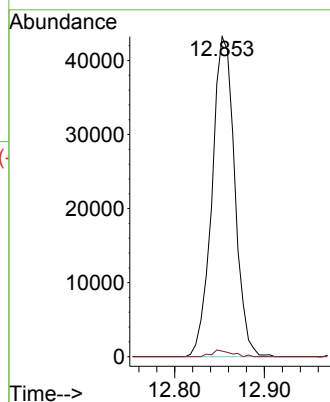
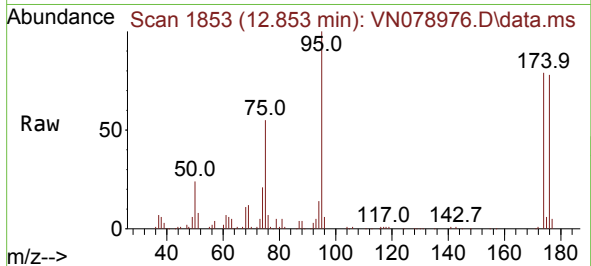




#76
1,2,3-Trichloropropane
Concen: 29.213 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

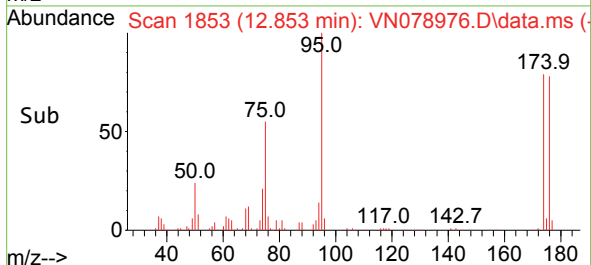
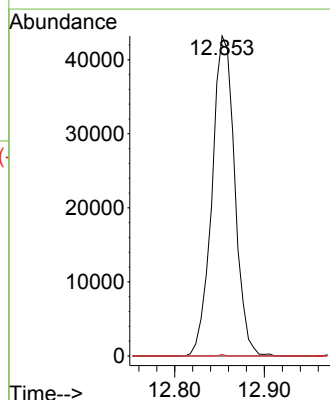
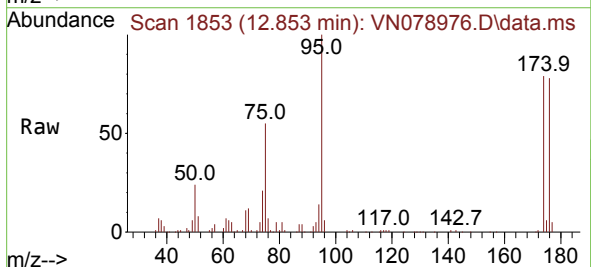
Instrument :
MSVOA_N
ClientSampleId :

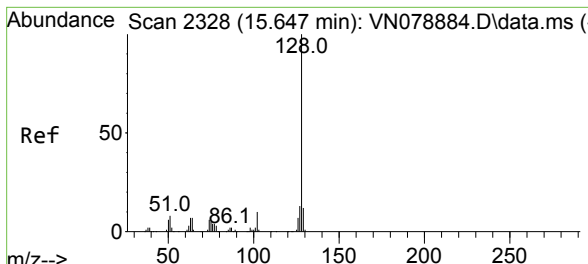
Tgt Ion: 75 Resp: 76024
Ion Ratio Lower Upper
75 100
77 1.8 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.627 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078976.D
Acq: 21 Aug 2023 15:44

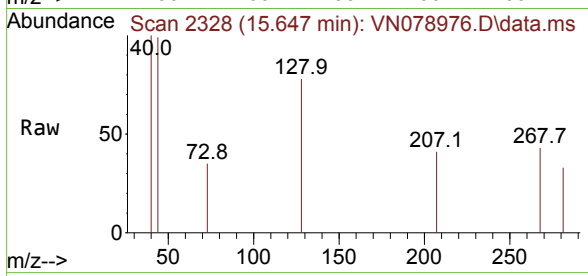
Tgt Ion: 75 Resp: 76024
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#





#95
 Naphthalene
 Concen: 2.647 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078976.D
 Acq: 21 Aug 2023 15:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	380
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

