

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077993.D
 Acq On : 31 May 2023 15:20
 Operator : JC\MD
 Sample : 02973-08MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MS

Quant Time: Jun 01 01:52:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	345424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	610830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	544180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	229662	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	259477	50.204	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.400%	
35) Dibromofluoromethane	8.177	113	226437	56.849	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.700%	
50) Toluene-d8	10.576	98	809891	52.825	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.660%	
62) 4-Bromofluorobenzene	12.853	95	276587	51.080	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.160%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	164457	41.834	ug/l	95
3) Chloromethane	2.371	50	198699	47.586	ug/l	96
4) Vinyl Chloride	2.518	62	259307	52.318	ug/l	98
5) Bromomethane	2.953	94	197049	53.756	ug/l	99
6) Chloroethane	3.124	64	187028	52.361	ug/l	100
7) Trichlorofluoromethane	3.506	101	365059	52.851	ug/l	100
8) Diethyl Ether	3.971	74	132772	52.653	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.383	101	199096	52.085	ug/l	99
10) Methyl Iodide	4.606	142	278293	61.046	ug/l	96
11) Tert butyl alcohol	5.530	59	168939	236.844	ug/l	100
12) 1,1-Dichloroethene	4.353	96	198876	54.740	ug/l	92
13) Acrolein	4.189	56	101378	225.660	ug/l	95
14) Allyl chloride	5.030	41	256569	48.072	ug/l	96
15) Acrylonitrile	5.730	53	483350	253.641	ug/l	98
16) Acetone	4.436	43	379090	233.135	ug/l	99
17) Carbon Disulfide	4.724	76	472880	48.307	ug/l	97
18) Methyl Acetate	5.036	43	318338	46.666	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	707412	53.794	ug/l	99
20) Methylene Chloride	5.283	84	240014	56.986	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	219668	53.826	ug/l	87
22) Diisopropyl ether	6.683	45	674813	53.942	ug/l	95
23) Vinyl Acetate	6.612	43	1783547	230.107	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	434136	56.645	ug/l	99
25) 2-Butanone	7.494	43	599733	235.777	ug/l	88
26) 2,2-Dichloropropane	7.500	77	302273	46.423	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	277951	56.802	ug/l	95
28) Bromochloromethane	7.818	49	168992	50.984	ug/l	90
29) Tetrahydrofuran	7.847	42	405723	243.596	ug/l #	83
30) Chloroform	7.977	83	466625	55.347	ug/l	95
31) Cyclohexane	8.265	56	336194	47.860	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	405514	56.574	ug/l	97
36) 1,1-Dichloropropene	8.383	75	333064	57.169	ug/l	97
37) Ethyl Acetate	7.571	43	240782	46.369	ug/l #	95
38) Carbon Tetrachloride	8.371	117	358589	60.953	ug/l	97
39) Methylcyclohexane	9.612	83	347177	48.675	ug/l	96
40) Benzene	8.618	78	1003662	58.379	ug/l	97

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	133327	48.212	ug/l	93
42) 1,2-Dichloroethane	8.677	62	352154	56.388	ug/l	97
43) Isopropyl Acetate	8.700	43	426987	50.341	ug/l	97
44) Trichloroethene	9.359	130	256893	59.012	ug/l	100
45) 1,2-Dichloropropane	9.629	63	257026	58.611	ug/l	94
46) Dibromomethane	9.712	93	180791	57.614	ug/l	96
47) Bromodichloromethane	9.894	83	364230	60.628	ug/l	100
48) Methyl methacrylate	9.688	41	211638	52.628	ug/l	91
49) 1,4-Dioxane	9.700	88	86150	1134.249	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1341731	266.127	ug/l	93
52) Toluene	10.635	92	637639	59.575	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	363709	57.170	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	391306	55.815	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	251307	59.134	ug/l	98
56) Ethyl methacrylate	10.882	69	370482	57.657	ug/l	91
57) 1,3-Dichloropropane	11.171	76	417793	57.346	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.312	63	2262	0.716	ug/l #	42
59) 2-Hexanone	11.200	43	928534	248.994	ug/l	94
60) Dibromochloromethane	11.365	129	271983	61.994	ug/l	99
61) 1,2-Dibromoethane	11.476	107	252930	59.658	ug/l	98
64) Tetrachloroethene	11.112	164	241222	63.386	ug/l	97
65) Chlorobenzene	11.900	112	682661	57.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.970	131	262707	64.358	ug/l	98
67) Ethyl Benzene	11.970	91	1233060	58.325	ug/l	97
68) m/p-Xylenes	12.076	106	935201	116.746	ug/l	98
69) o-Xylene	12.406	106	466874	59.263	ug/l	98
70) Styrene	12.418	104	729506	58.292	ug/l	97
71) Bromoform	12.588	173	172633	63.574	ug/l #	99
73) Isopropylbenzene	12.706	105	1188130	60.016	ug/l	99
74) N-amyl acetate	12.500	43	331366	45.284	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	335074	55.018	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	404057	70.252	ug/l	77
77) Bromobenzene	12.988	156	261502	57.883	ug/l	98
78) n-propylbenzene	13.041	91	1349315	57.813	ug/l	100
79) 2-Chlorotoluene	13.129	91	815541	58.558	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	987312	59.339	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	92548	51.435	ug/l #	83
82) 4-Chlorotoluene	13.229	91	779389	56.246	ug/l	98
83) tert-Butylbenzene	13.447	119	835672	57.532	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	986551	60.289	ug/l	100
85) sec-Butylbenzene	13.623	105	1135695	55.016	ug/l	100
86) p-Isopropyltoluene	13.735	119	953955	57.965	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	454542	54.404	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	432985	52.224	ug/l	99
89) n-Butylbenzene	14.064	91	744584	49.189	ug/l	98
90) Hexachloroethane	14.341	117	164851	60.975	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	457464	58.610	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	54848	46.517	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	175150	38.400	ug/l	98
94) Hexachlorobutadiene	15.511	225	79714	42.092	ug/l	98
95) Naphthalene	15.647	128	524529	33.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	180748	40.473	ug/l	96

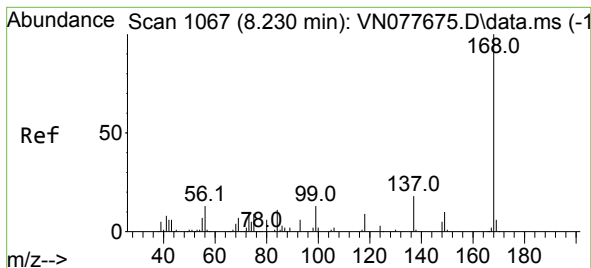
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QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

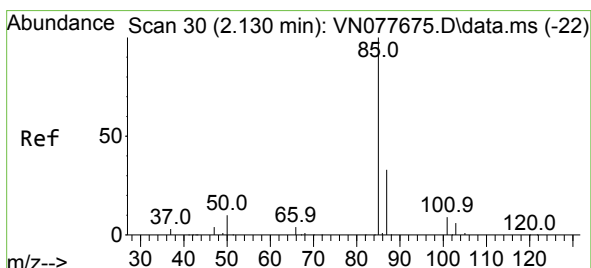
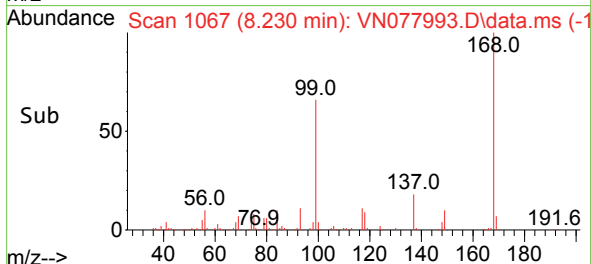
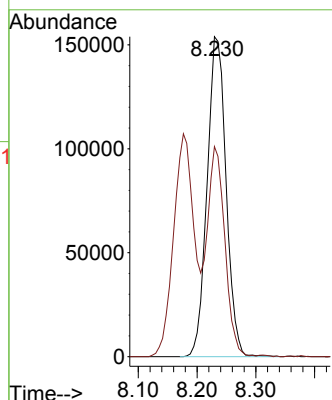
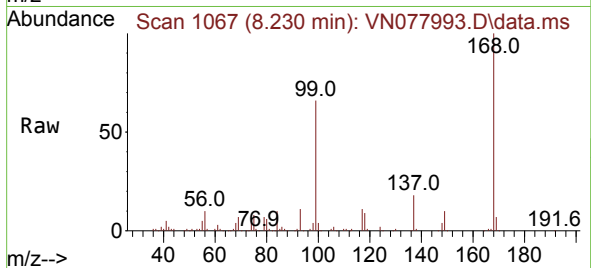
MH-140B-20230526MS

Tgt Ion:168 Resp: 345424

Ion Ratio Lower Upper

168 100

99 65.6 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 41.834 ug/l

RT: 2.136 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN077993.D

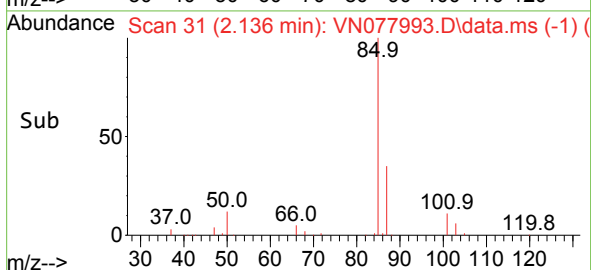
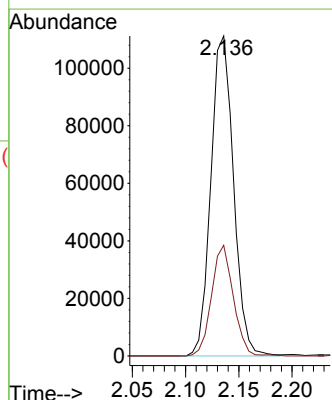
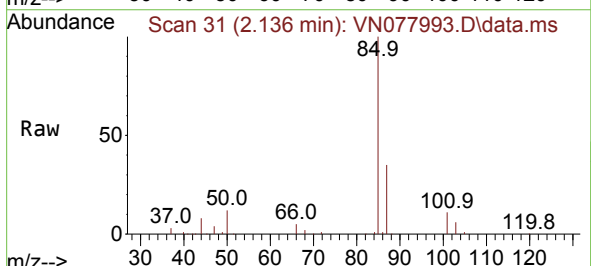
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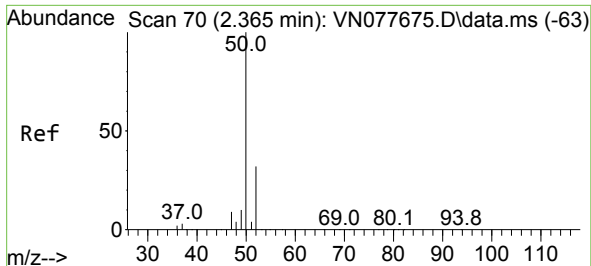
Tgt Ion: 85 Resp: 164457

Ion Ratio Lower Upper

85 100

87 34.6 15.8 47.4

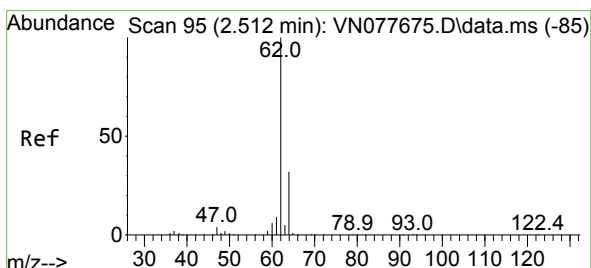
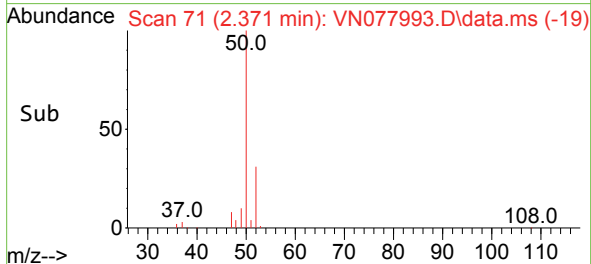
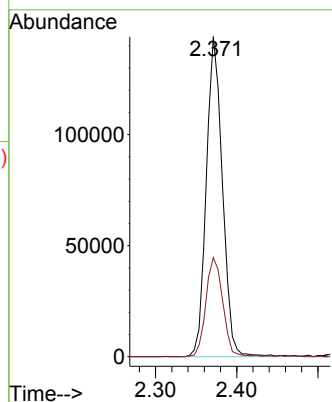
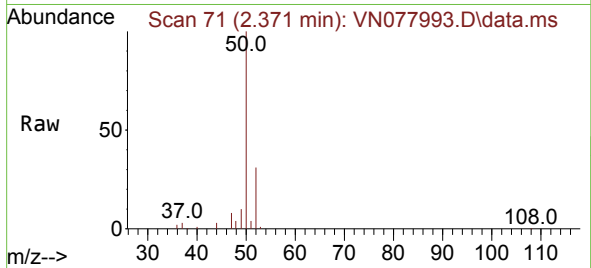




#3
Chloromethane
Concen: 47.586 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

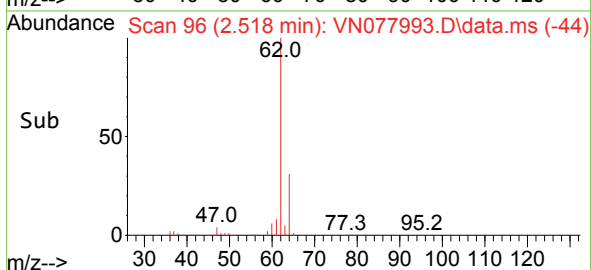
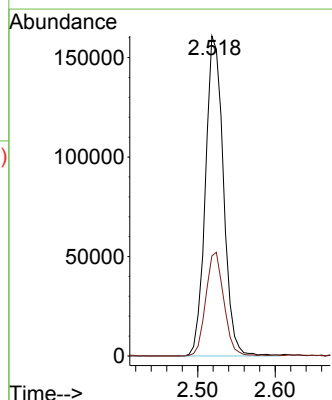
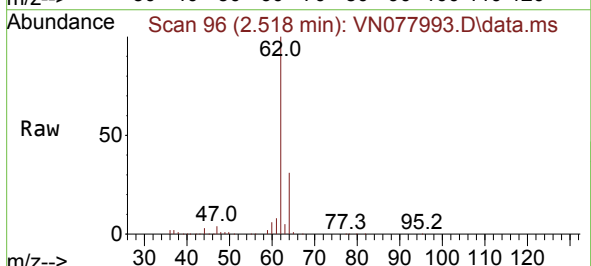
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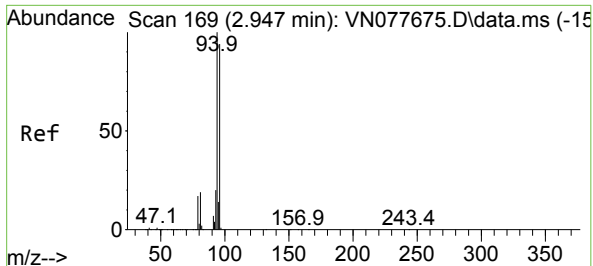
Tgt Ion: 50 Resp: 198699
Ion Ratio Lower Upper
50 100
52 31.0 26.5 39.7



#4
Vinyl Chloride
Concen: 52.318 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 62 Resp: 259307
Ion Ratio Lower Upper
62 100
64 31.3 26.2 39.2

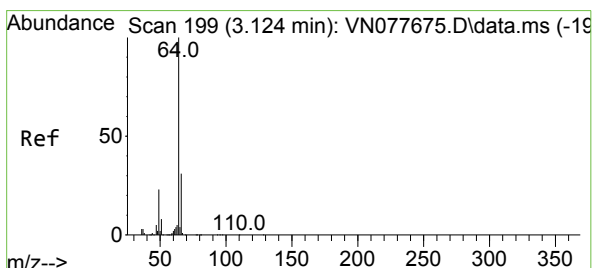
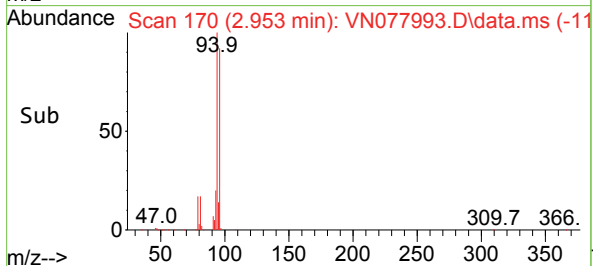
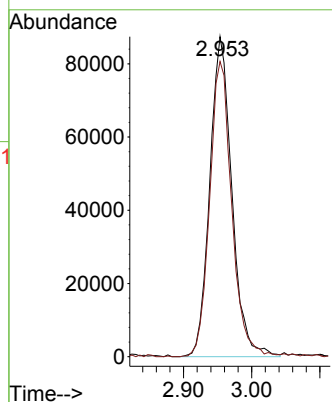
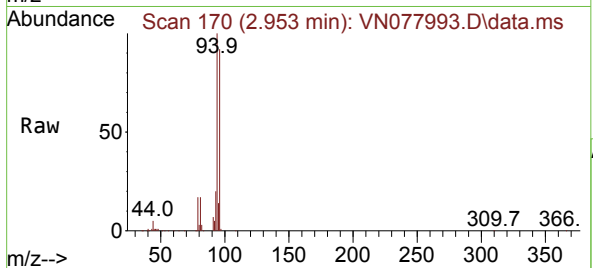




#5
Bromomethane
Concen: 53.756 ug/l
RT: 2.953 min Scan# 170
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

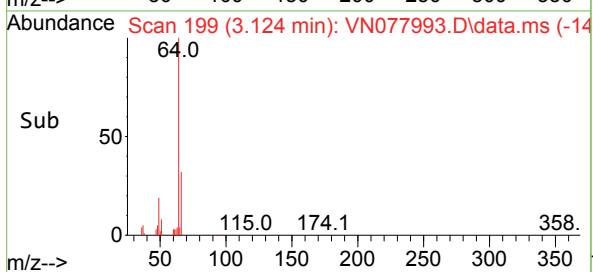
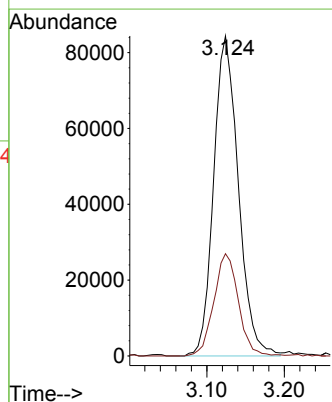
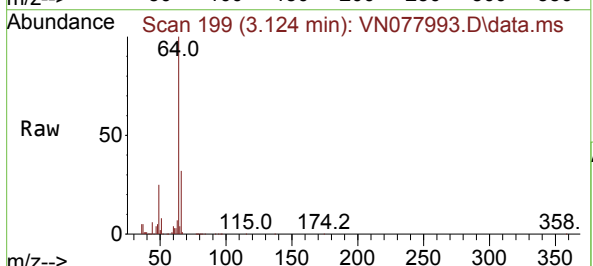
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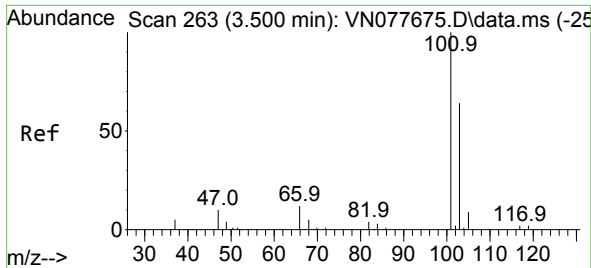
Tgt Ion: 94 Resp: 197049
Ion Ratio Lower Upper
94 100
96 92.3 73.1 109.7



#6
Chloroethane
Concen: 52.361 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 64 Resp: 187028
Ion Ratio Lower Upper
64 100
66 31.9 25.4 38.2

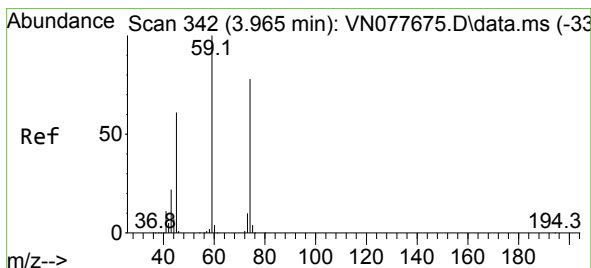
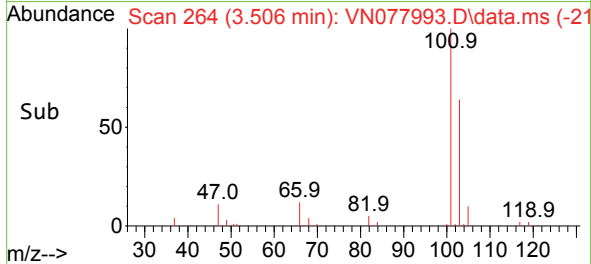
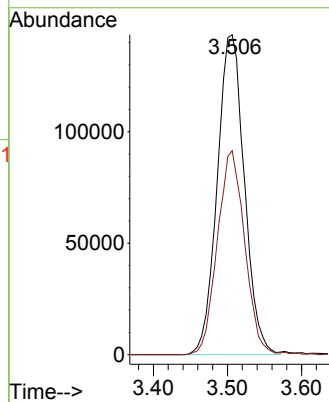
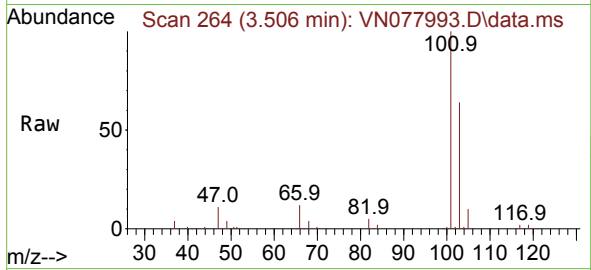




#7
Trichlorofluoromethane
Concen: 52.851 ug/l
RT: 3.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

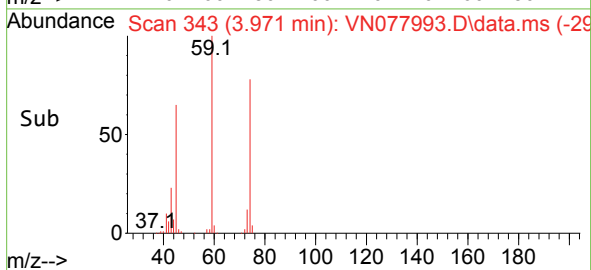
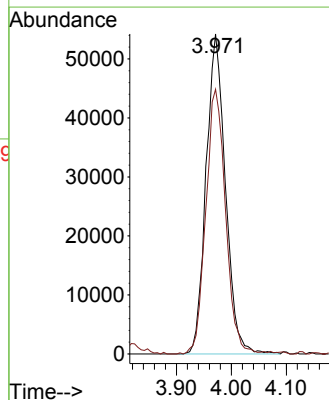
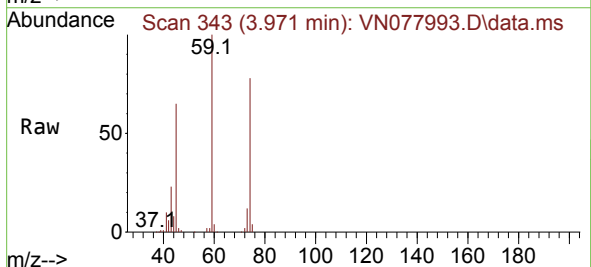
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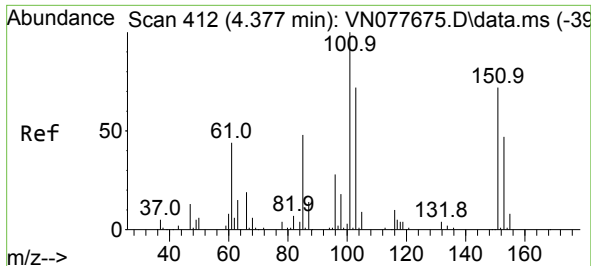
Tgt Ion:101 Resp: 365059
Ion Ratio Lower Upper
101 100
103 63.8 50.7 76.1



#8
Diethyl Ether
Concen: 52.653 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 74 Resp: 132772
Ion Ratio Lower Upper
74 100
45 84.3 34.4 103.3

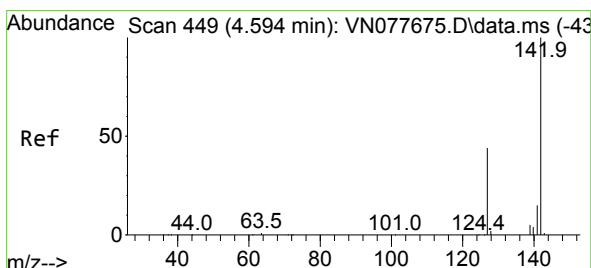
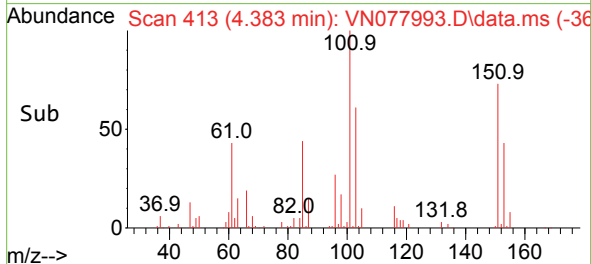
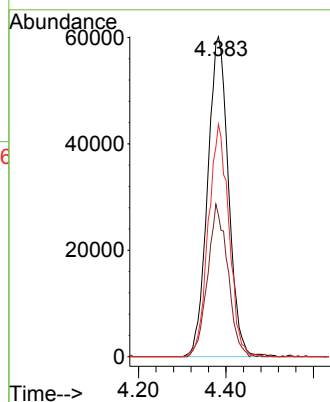
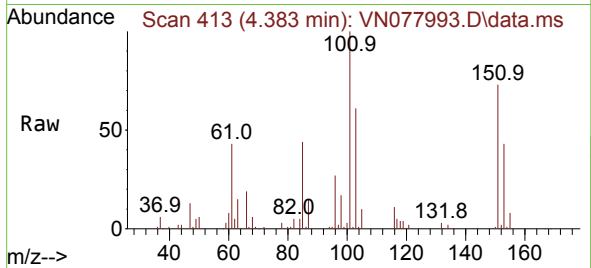




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.085 ug/l
RT: 4.383 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

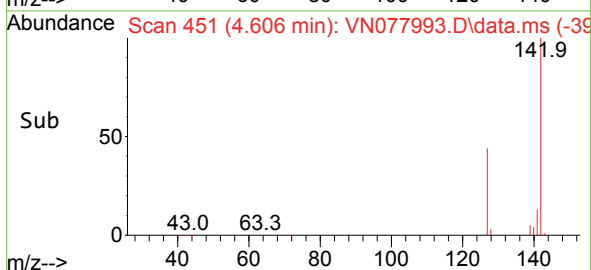
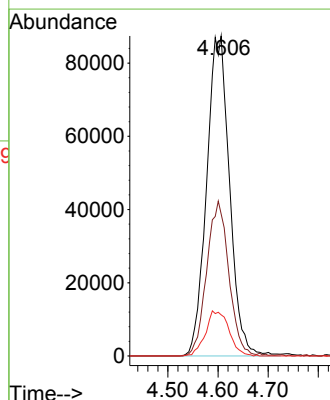
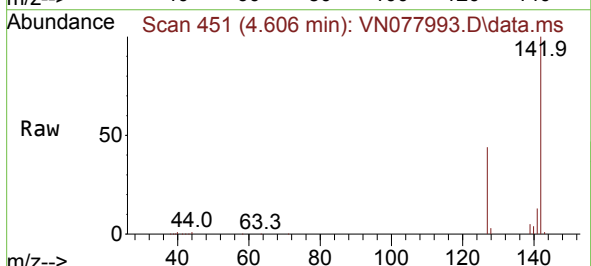
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

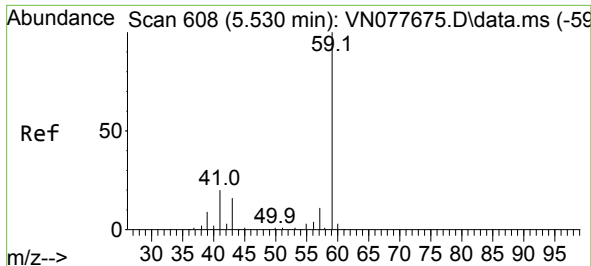
Tgt Ion:101 Resp: 199096
Ion Ratio Lower Upper
101 100
85 46.1 36.6 55.0
151 71.4 57.6 86.4



#10
Methyl Iodide
Concen: 61.046 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion:142 Resp: 278293
Ion Ratio Lower Upper
142 100
127 44.4 37.6 56.4
141 12.9 11.4 17.0

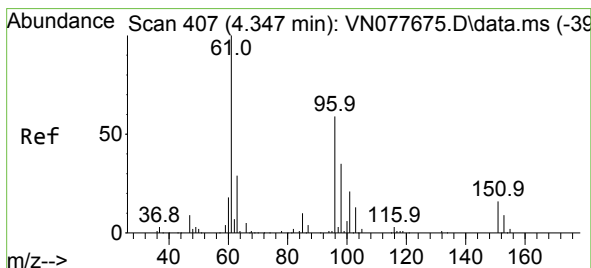
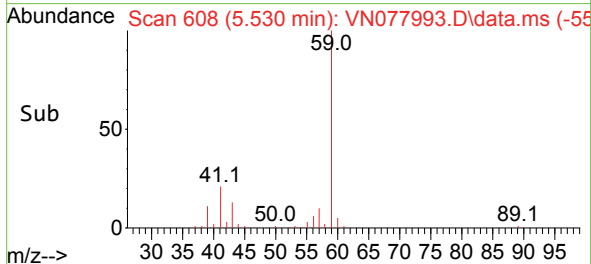
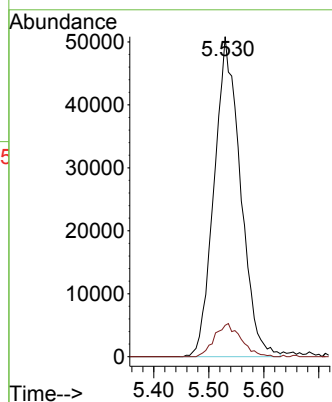
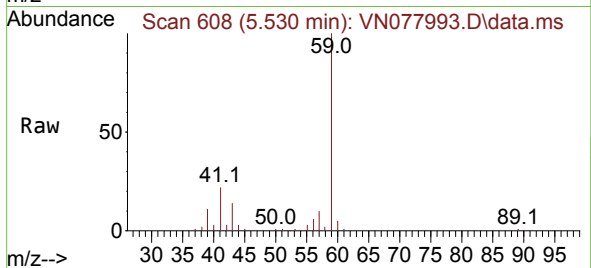




#11
Tert butyl alcohol
Concen: 236.844 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

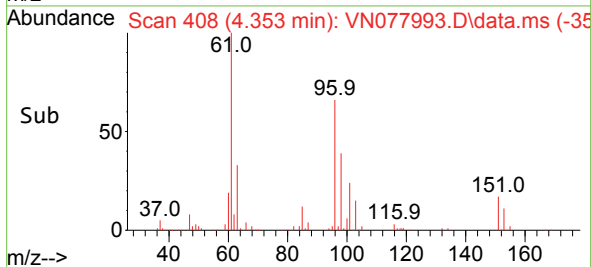
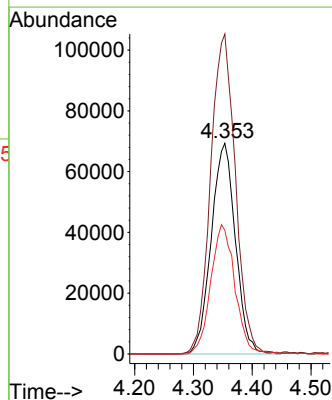
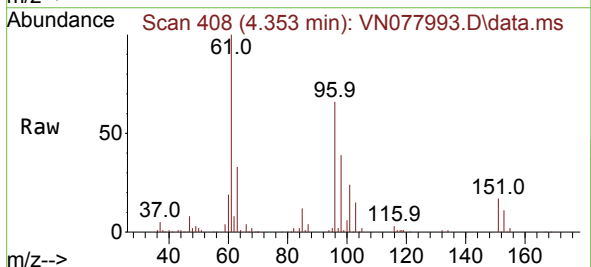
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

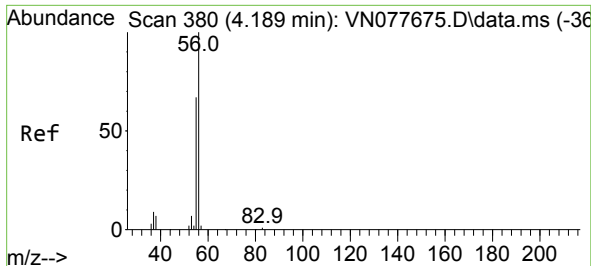
Tgt Ion: 59 Resp: 168939
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 54.740 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 96 Resp: 198876
Ion Ratio Lower Upper
96 100
61 151.9 112.7 169.1
98 58.7 51.2 76.8





#13

Acrolein

Concen: 225.660 ug/l

RT: 4.189 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

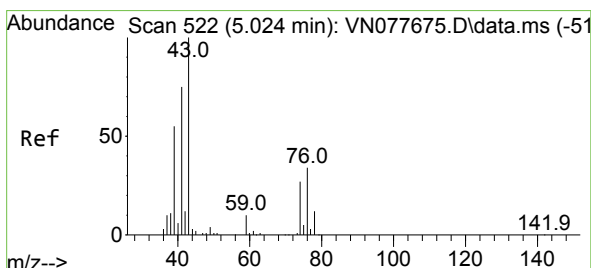
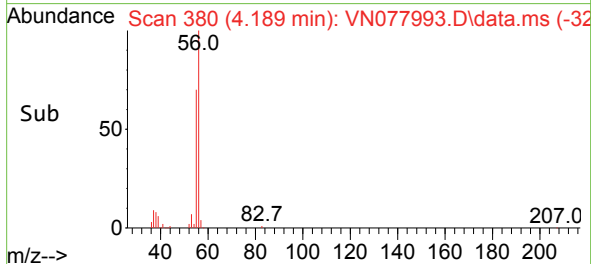
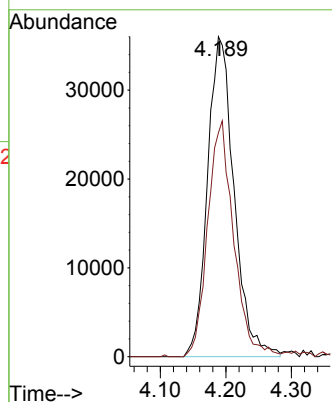
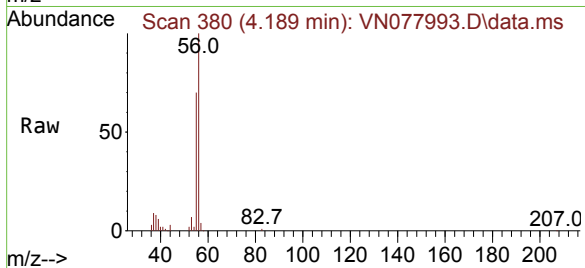
MH-140B-20230526MS

Tgt Ion: 56 Resp: 101378

Ion Ratio Lower Upper

56 100

55 71.9 54.5 81.7



#14

Allyl chloride

Concen: 48.072 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

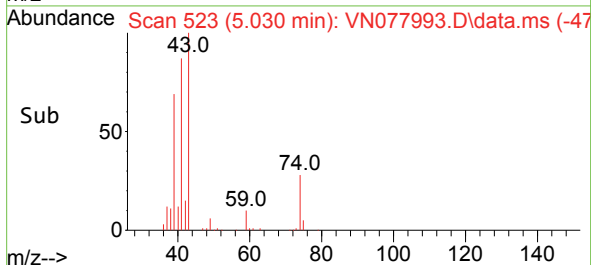
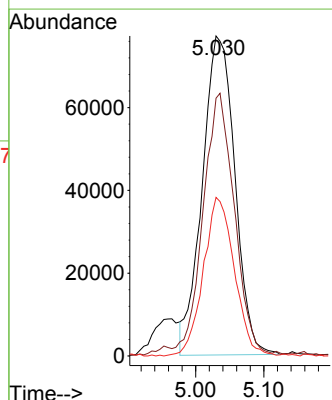
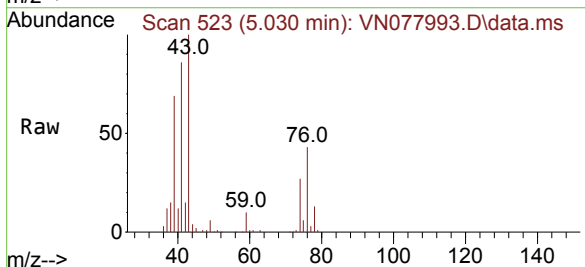
Tgt Ion: 41 Resp: 256569

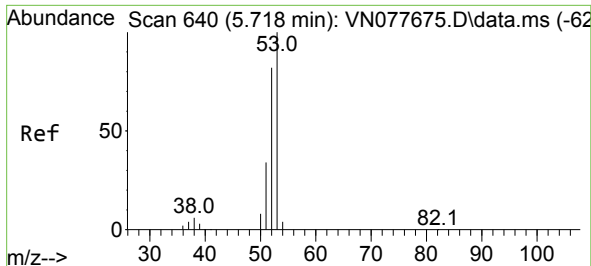
Ion Ratio Lower Upper

41 100

39 77.8 58.8 88.2

76 47.2 39.1 58.7





#15

Acrylonitrile

Concen: 253.641 ug/l

RT: 5.730 min Scan# 64

Delta R.T. 0.012 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

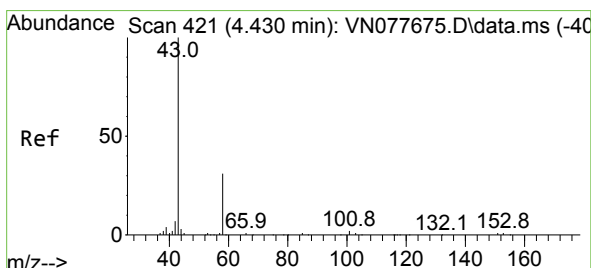
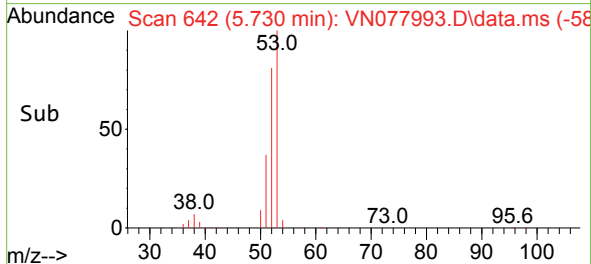
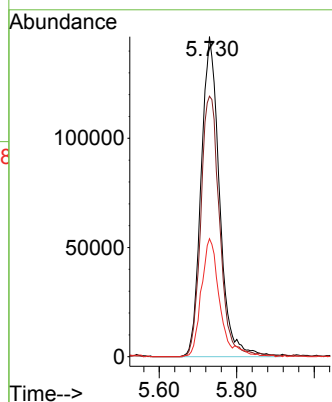
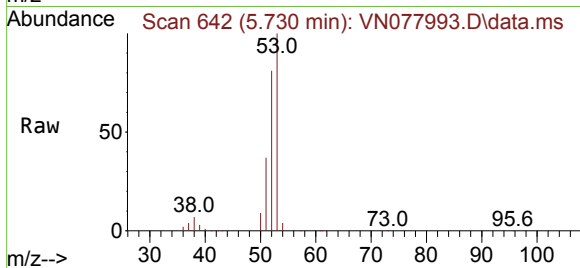
Tgt Ion: 53 Resp: 483350

Ion Ratio Lower Upper

53 100

52 83.3 65.3 97.9

51 37.1 28.9 43.3



#16

Acetone

Concen: 233.135 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN077993.D

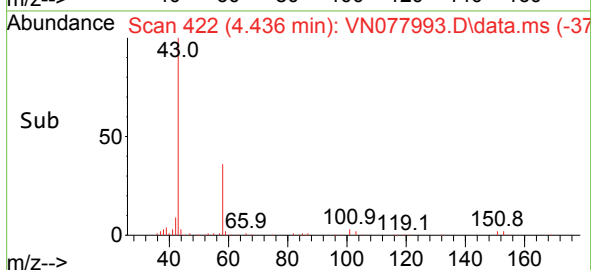
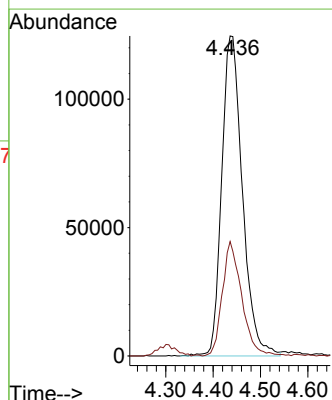
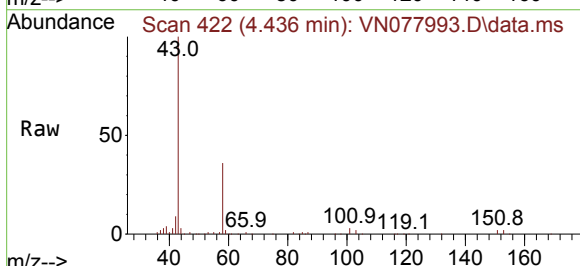
Acq: 31 May 2023 15:20

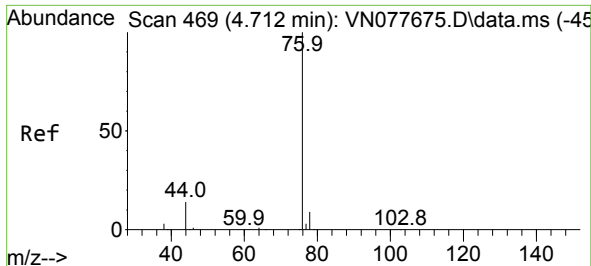
Tgt Ion: 43 Resp: 379090

Ion Ratio Lower Upper

43 100

58 35.3 28.0 42.0

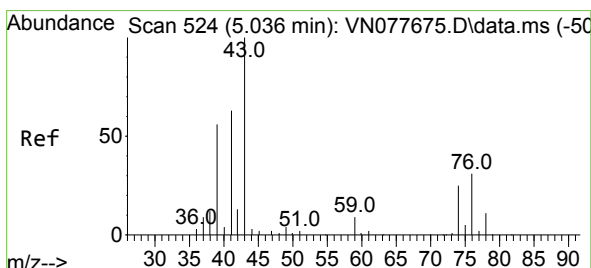
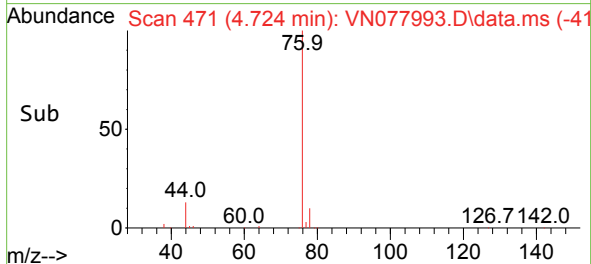
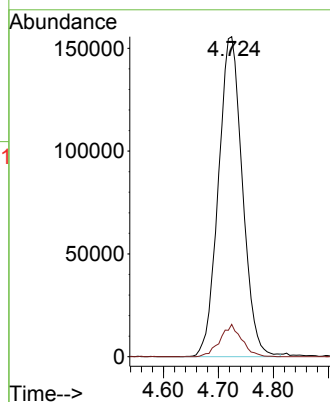
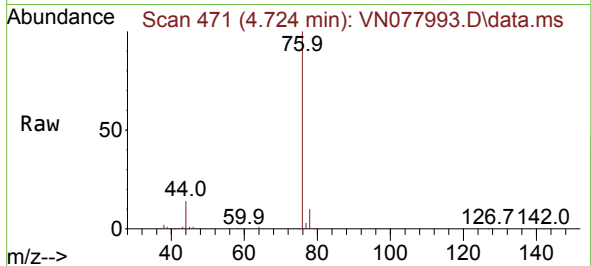




#17
Carbon Disulfide
Concen: 48.307 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

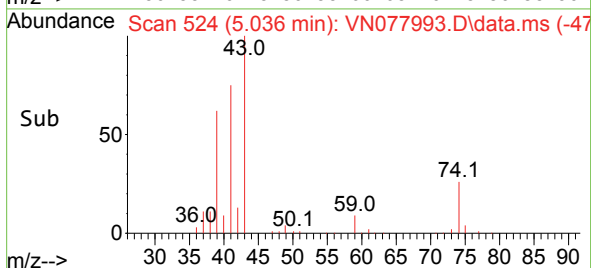
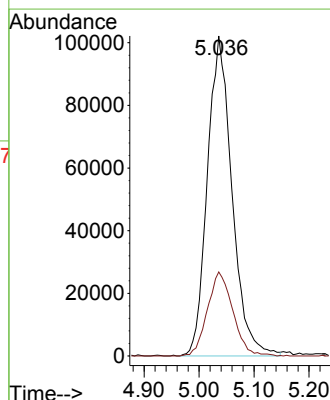
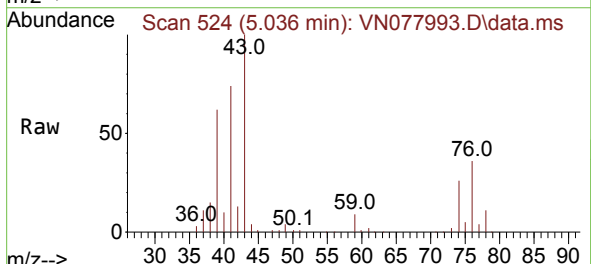
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

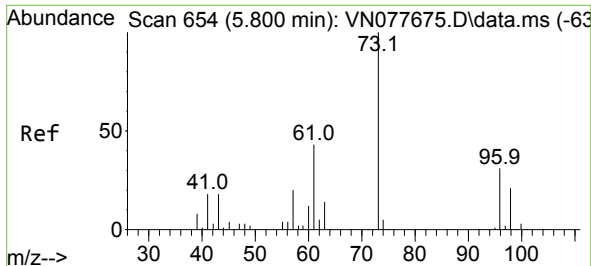
Tgt Ion: 76 Resp: 472880
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0



#18
Methyl Acetate
Concen: 46.666 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 43 Resp: 318338
Ion Ratio Lower Upper
43 100
74 27.0 26.2 39.4





#19

Methyl tert-butyl Ether

Concen: 53.794 ug/l

RT: 5.806 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

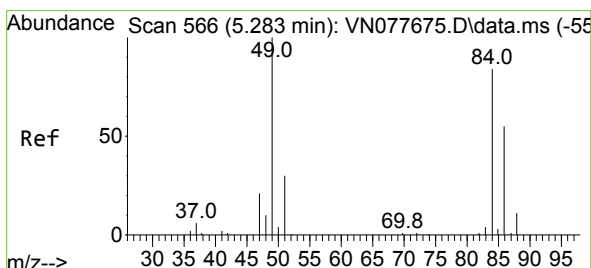
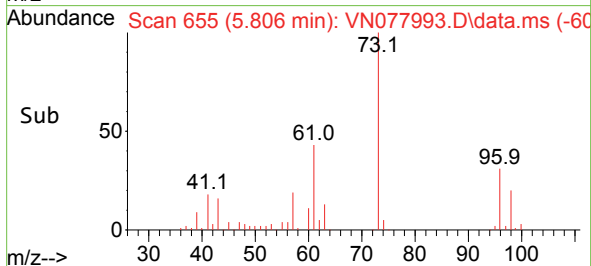
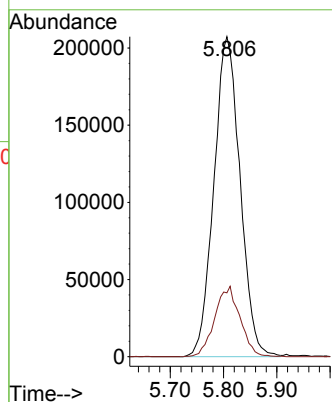
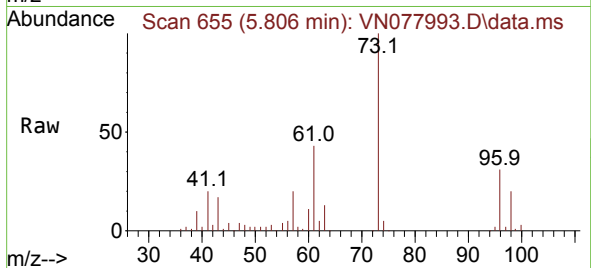
MH-140B-20230526MS

Tgt Ion: 73 Resp: 707412

Ion Ratio Lower Upper

73 100

57 19.9 15.6 23.4



#20

Methylene Chloride

Concen: 56.986 ug/l

RT: 5.283 min Scan# 566

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Tgt Ion: 84 Resp: 240014

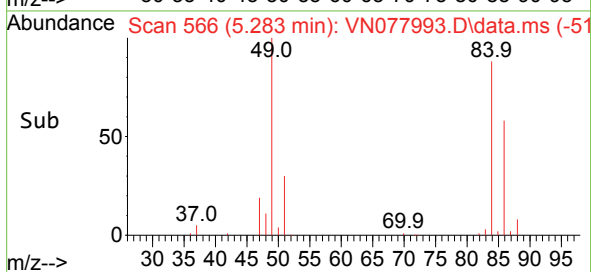
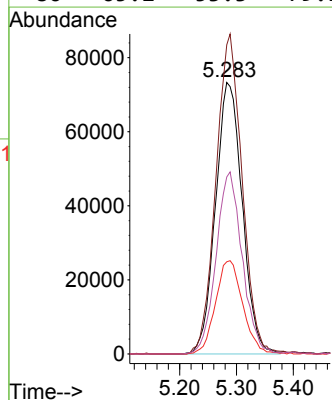
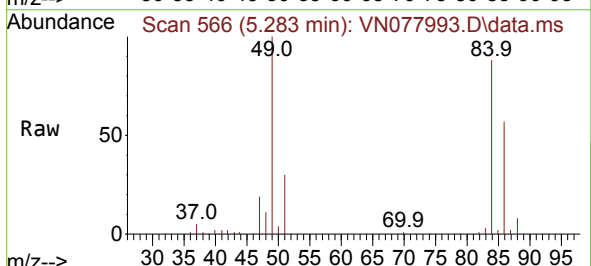
Ion Ratio Lower Upper

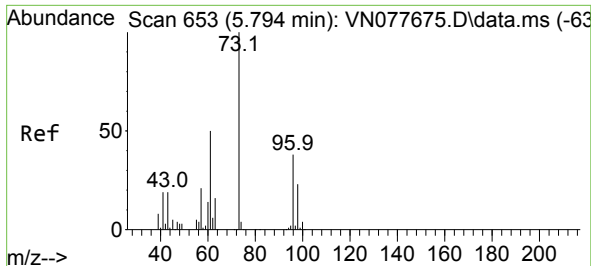
84 100

49 113.8 79.7 119.5

51 34.0 25.2 37.8

86 65.2 53.3 79.9

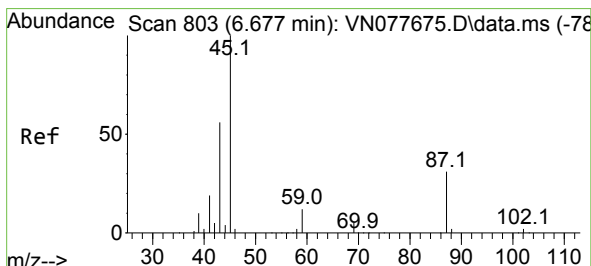
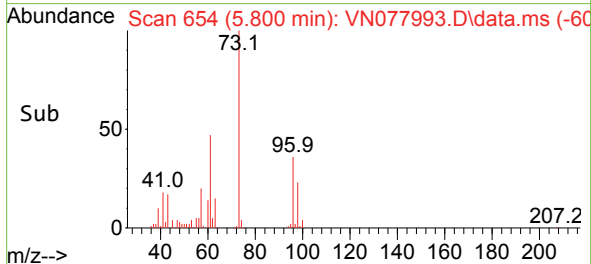
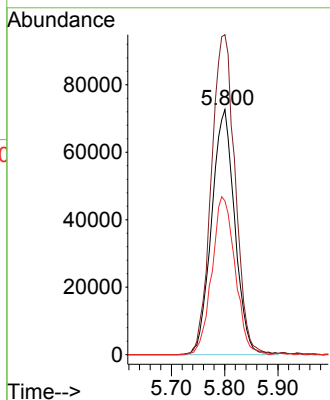
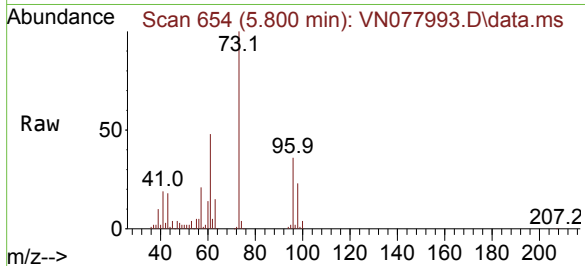




#21
trans-1,2-Dichloroethene
Concen: 53.826 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

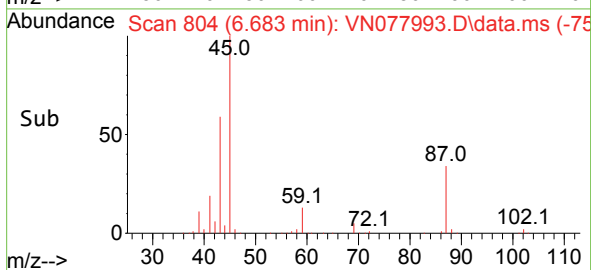
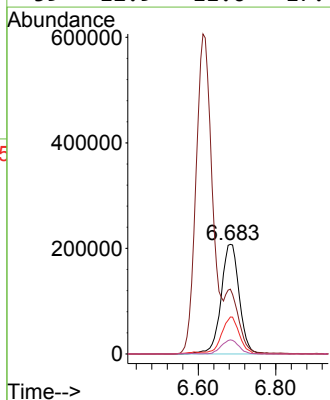
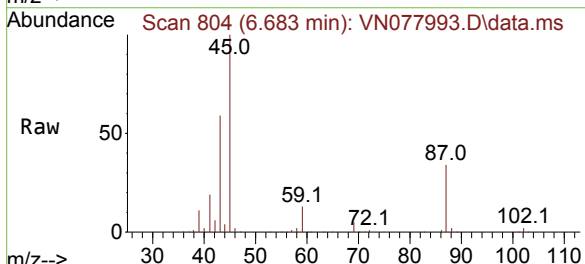
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

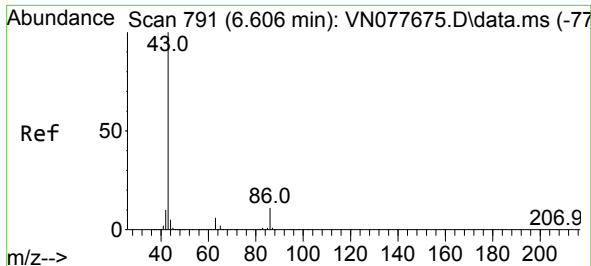
Tgt Ion: 96 Resp: 219668
Ion Ratio Lower Upper
96 100
61 130.5 90.1 135.1
98 62.7 46.4 69.6



#22
Diisopropyl ether
Concen: 53.942 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 45 Resp: 674813
Ion Ratio Lower Upper
45 100
43 58.8 45.5 68.3
87 33.6 31.8 47.8
59 12.9 11.6 17.4

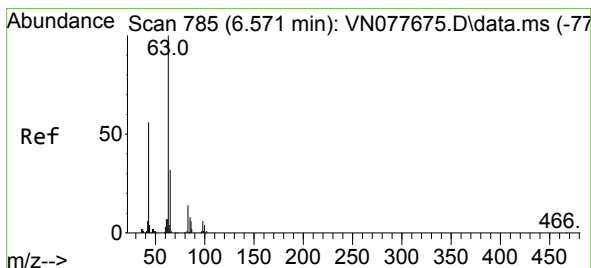
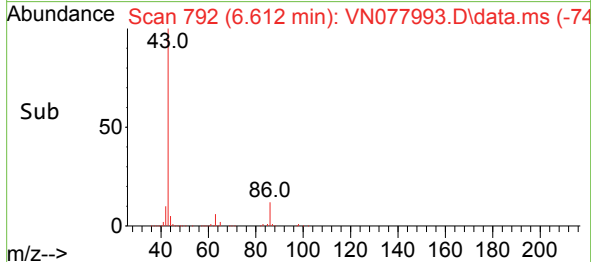
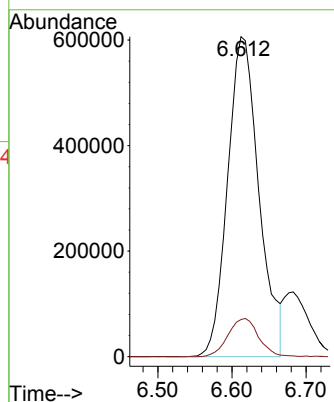
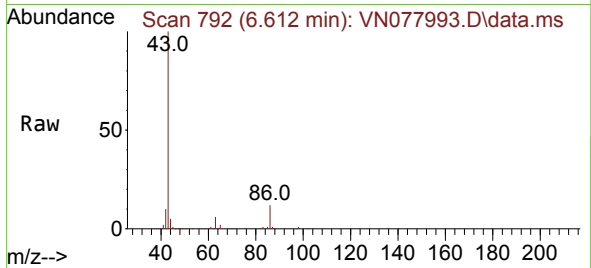




#23
 Vinyl Acetate
 Concen: 230.107 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN077993.D
 Acq: 31 May 2023 15:20

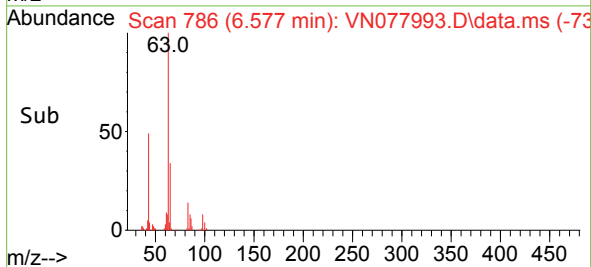
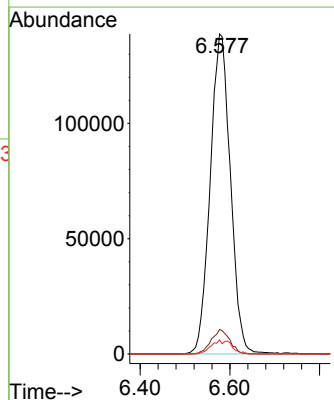
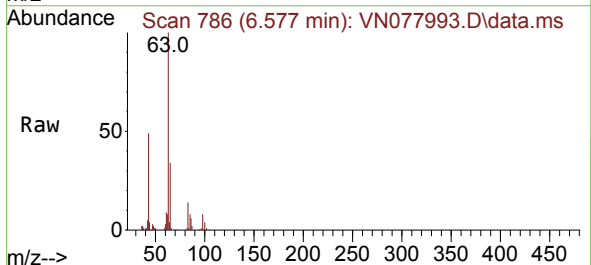
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MS

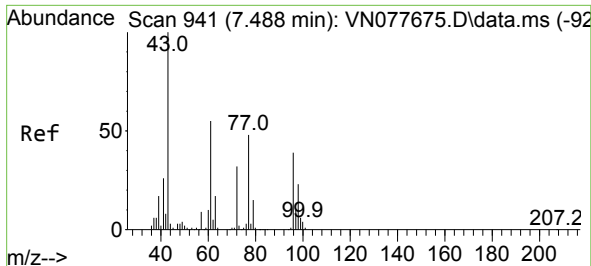
Tgt Ion: 43 Resp: 1783547
 Ion Ratio Lower Upper
 43 100
 86 11.6 13.0 19.6#



#24
 1,1-Dichloroethane
 Concen: 56.645 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. 0.006 min
 Lab File: VN077993.D
 Acq: 31 May 2023 15:20

Tgt Ion: 63 Resp: 434136
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.9 11.7
 100 4.4 2.5 7.4

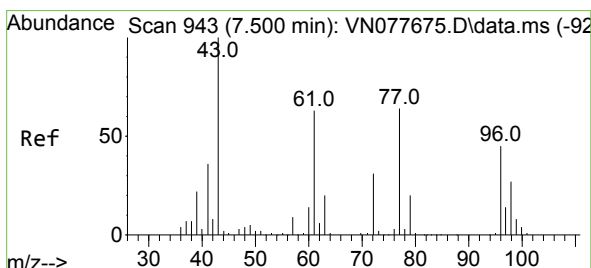
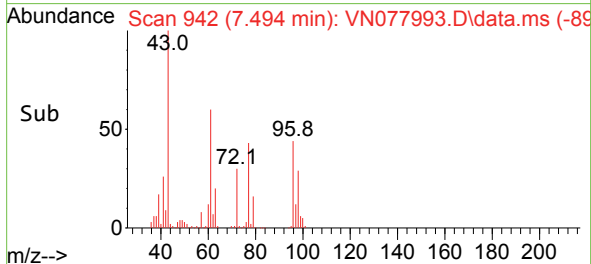
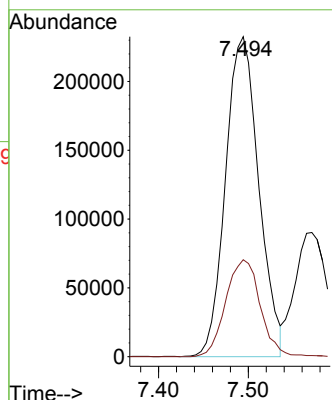
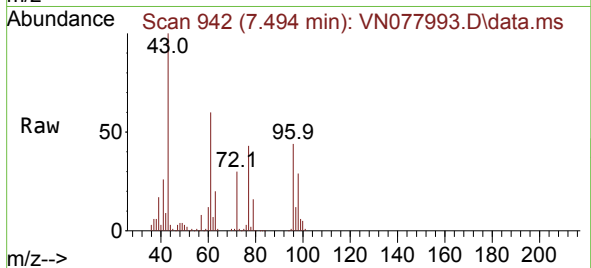




#25
2-Butanone
Concen: 235.777 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

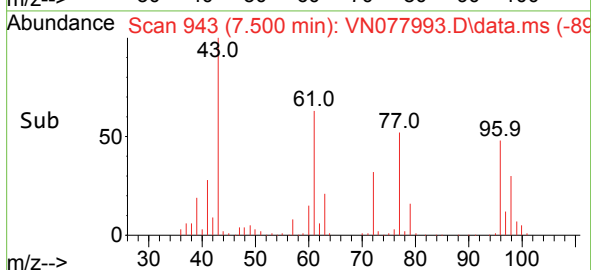
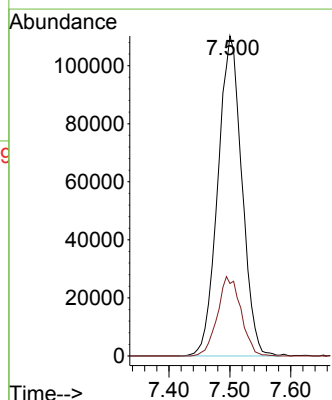
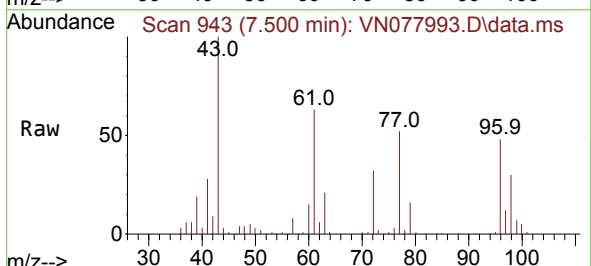
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

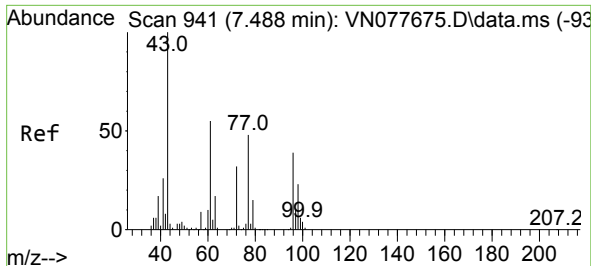
Tgt Ion: 43 Resp: 599733
Ion Ratio Lower Upper
43 100
72 30.3 30.2 45.2



#26
2,2-Dichloropropane
Concen: 46.423 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 77 Resp: 302273
Ion Ratio Lower Upper
77 100
97 24.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 56.802 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN077993.D

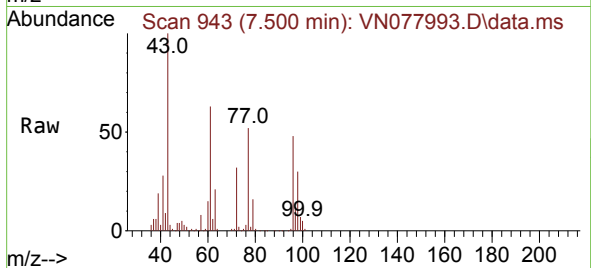
Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS



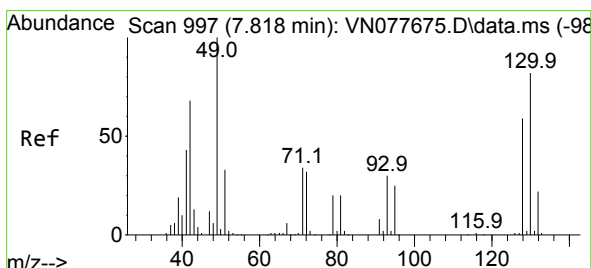
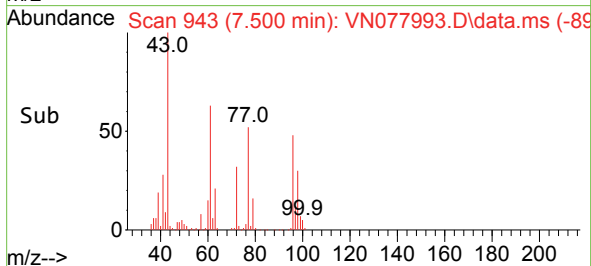
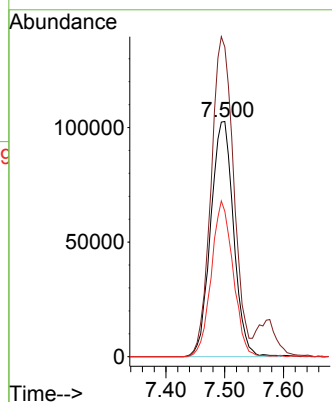
Tgt Ion: 96 Resp: 277951

Ion Ratio Lower Upper

96 100

61 134.8 0.0 255.2

98 62.8 0.0 128.8



#28

Bromochloromethane

Concen: 50.984 ug/l

RT: 7.818 min Scan# 997

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

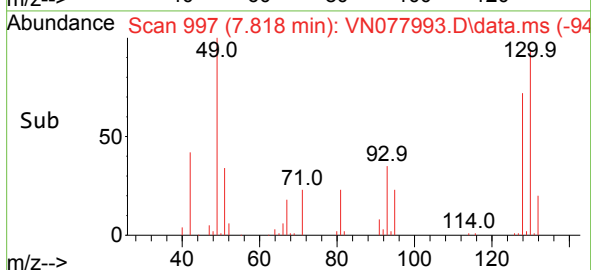
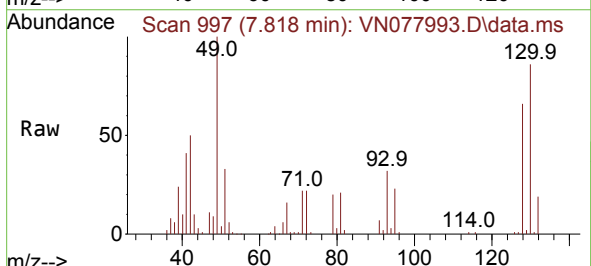
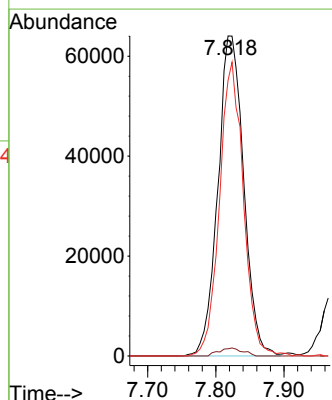
Tgt Ion: 49 Resp: 168992

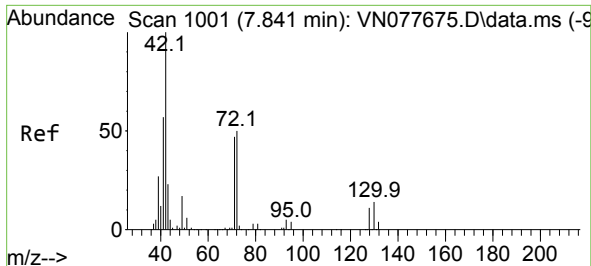
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.8

130 84.7 75.3 112.9





#29

Tetrahydrofuran

Concen: 243.596 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

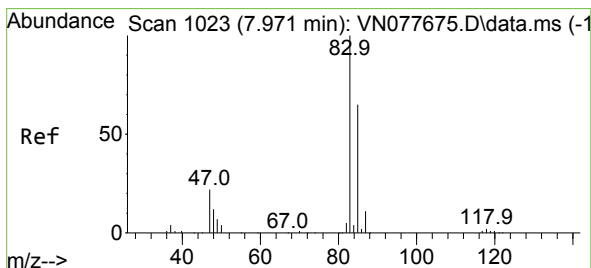
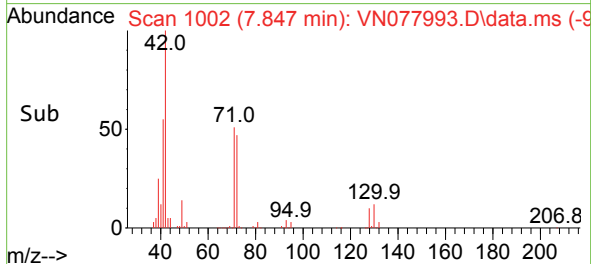
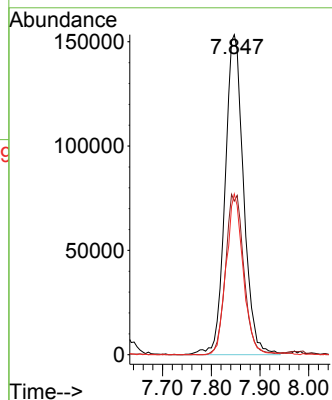
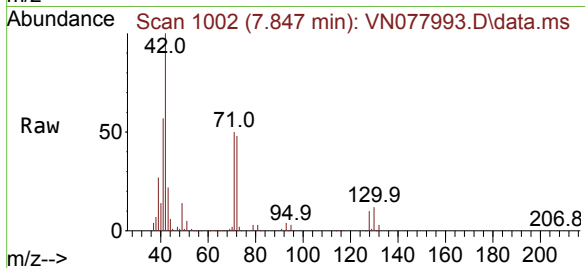
Tgt Ion: 42 Resp: 405723

Ion Ratio Lower Upper

42 100

72 49.7 49.8 74.6#

71 46.7 47.4 71.2#



#30

Chloroform

Concen: 55.347 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN077993.D

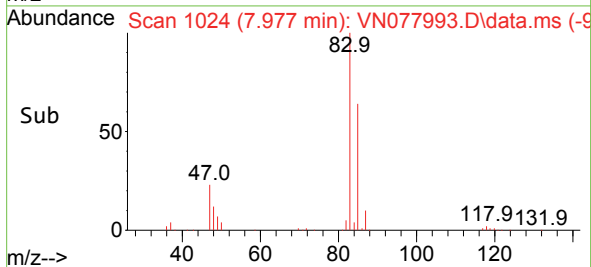
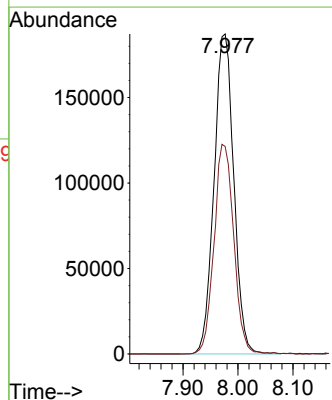
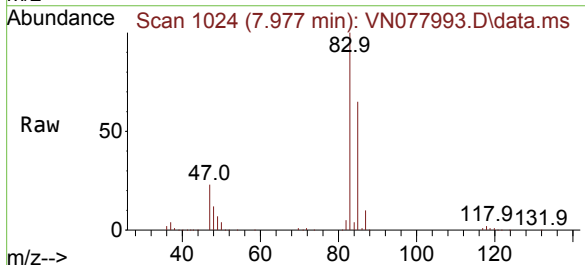
Acq: 31 May 2023 15:20

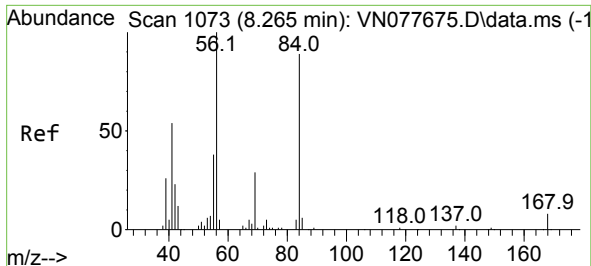
Tgt Ion: 83 Resp: 466625

Ion Ratio Lower Upper

83 100

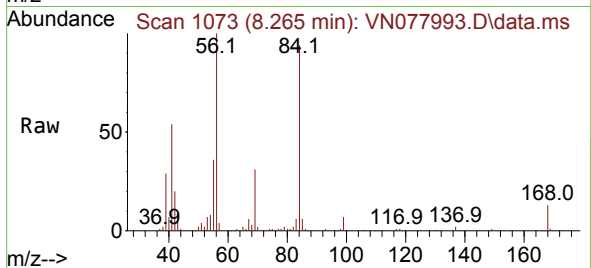
85 64.8 55.4 83.0



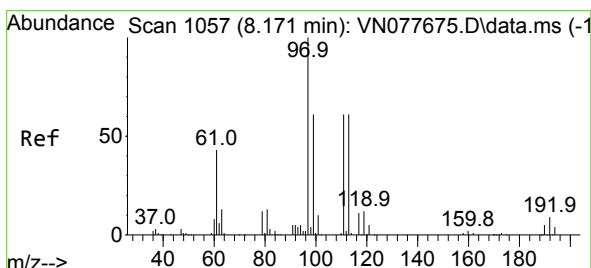
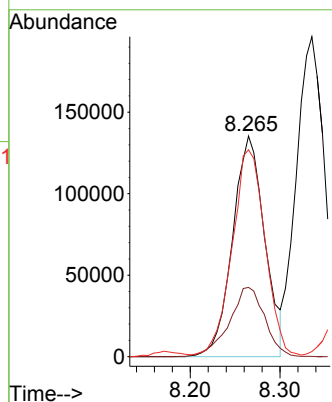
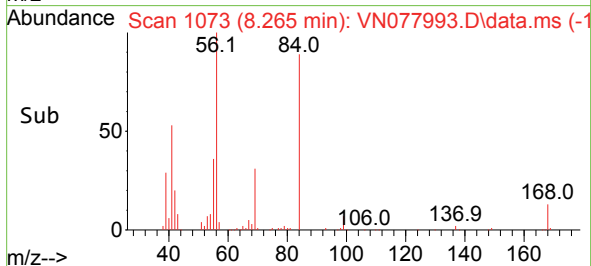


#31
Cyclohexane
Concen: 47.860 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

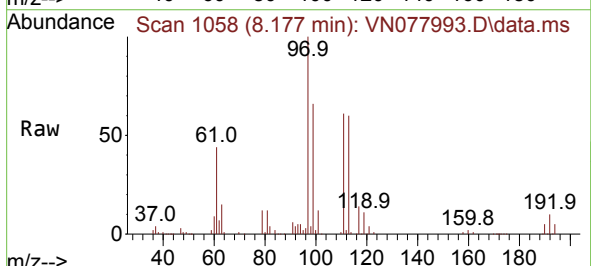
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS



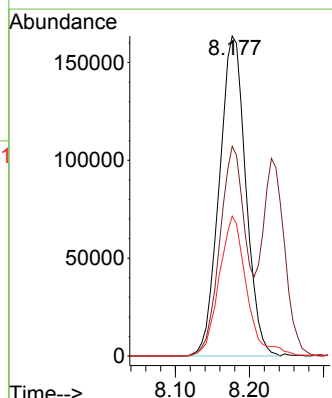
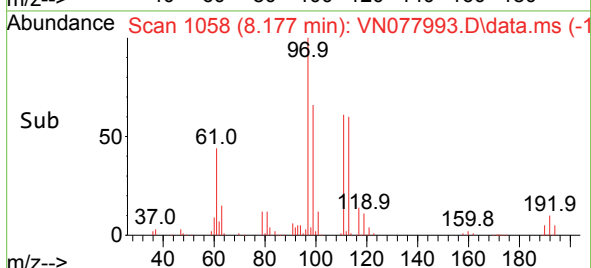
Tgt Ion: 56 Resp: 336194
Ion Ratio Lower Upper
56 100
69 31.2 26.8 40.2
84 92.2 81.8 122.6

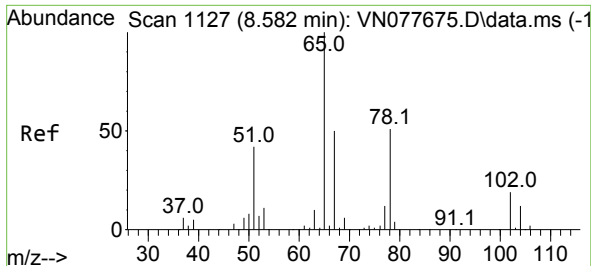


#32
1,1,1-Trichloroethane
Concen: 56.574 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20



Tgt Ion: 97 Resp: 405514
Ion Ratio Lower Upper
97 100
99 64.5 50.3 75.5
61 45.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 50.204 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

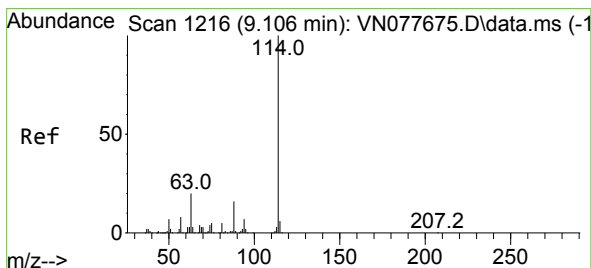
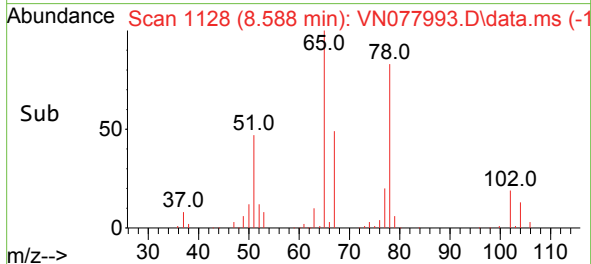
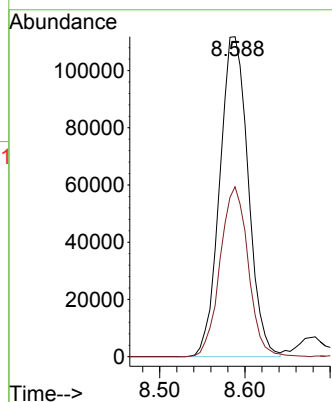
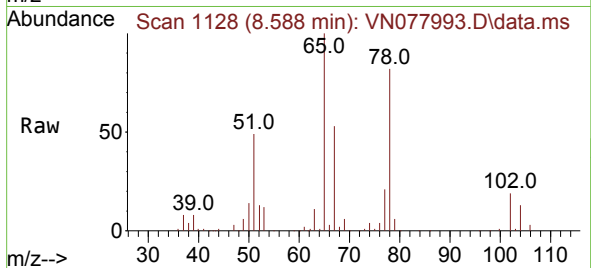
MH-140B-20230526MS

Tgt Ion: 65 Resp: 259477

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

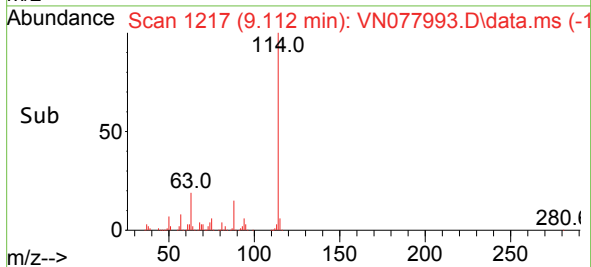
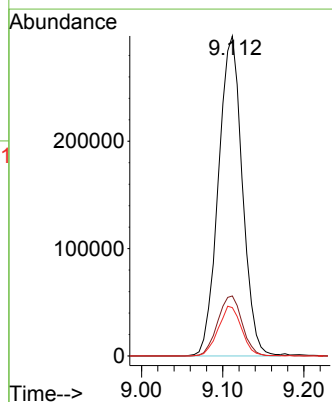
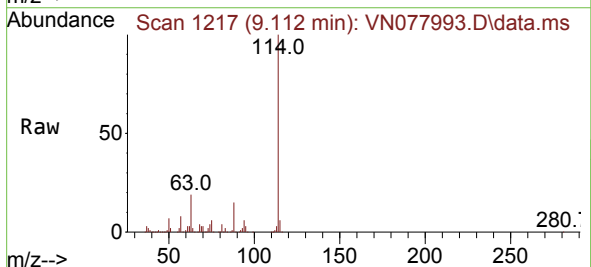
Tgt Ion:114 Resp: 610830

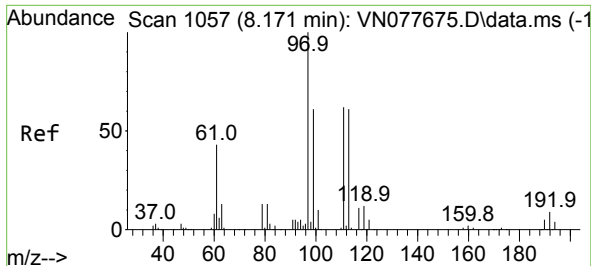
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.4

88 15.1 0.0 30.6

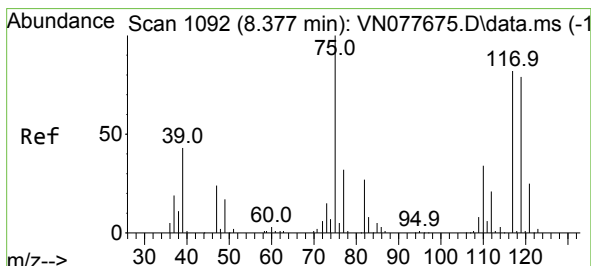
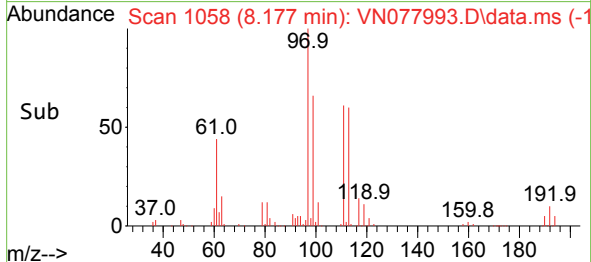
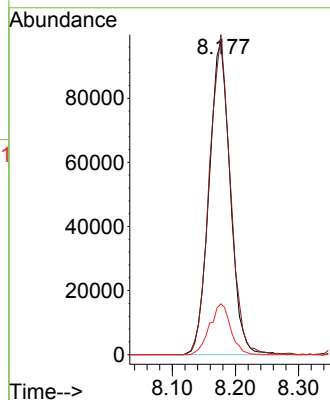
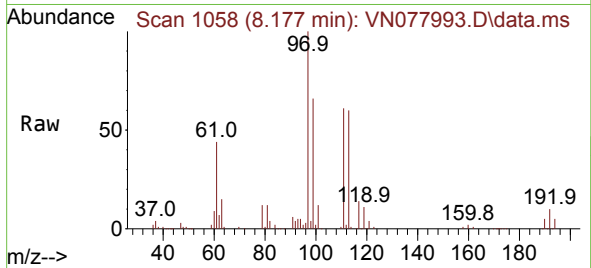




#35
Dibromofluoromethane
Concen: 56.849 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

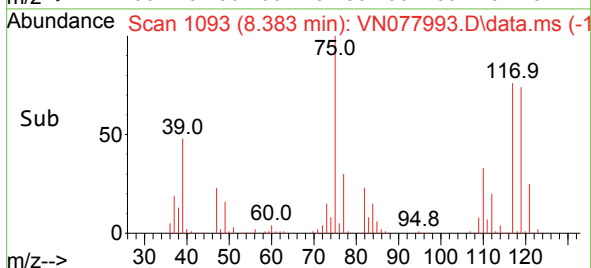
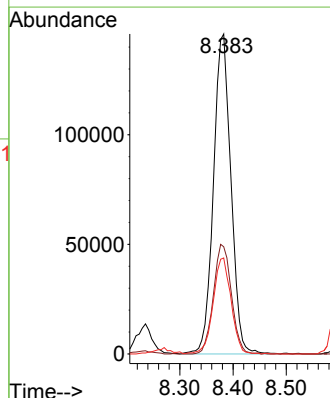
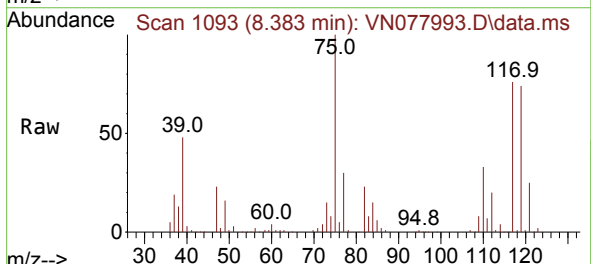
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

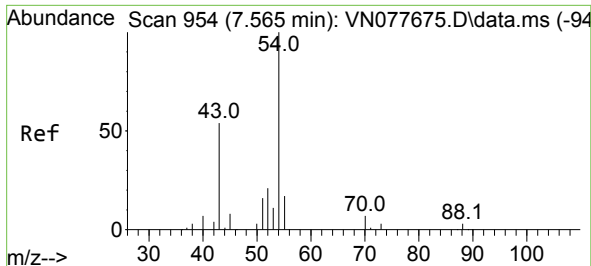
Tgt Ion:113 Resp: 226437
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 16.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 57.169 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.005 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 75 Resp: 333064
Ion Ratio Lower Upper
75 100
110 35.2 19.1 57.3
77 30.8 25.0 37.4

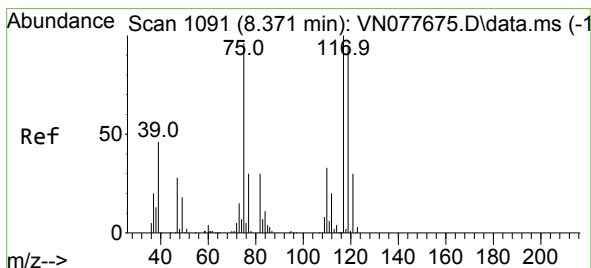
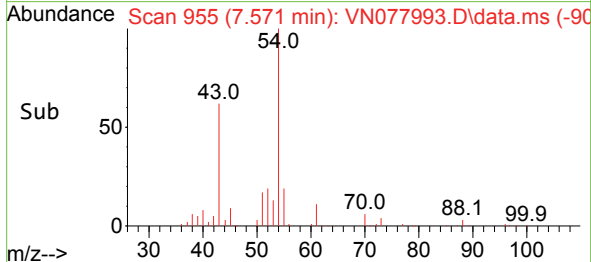
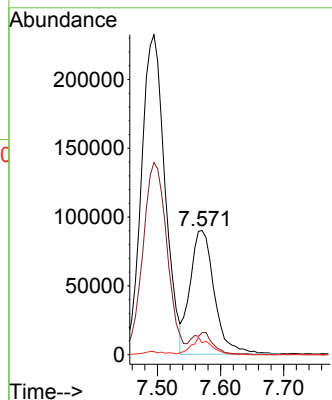
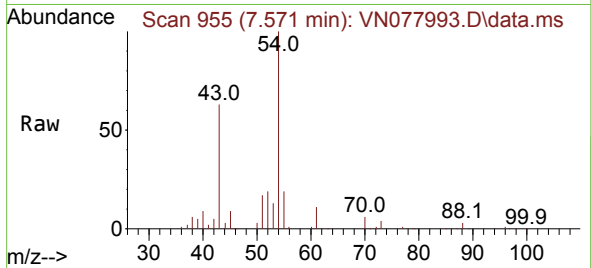




#37
Ethyl Acetate
Concen: 46.369 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

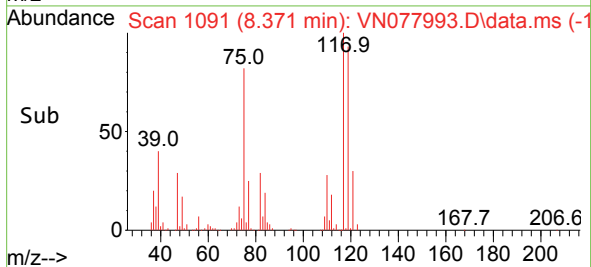
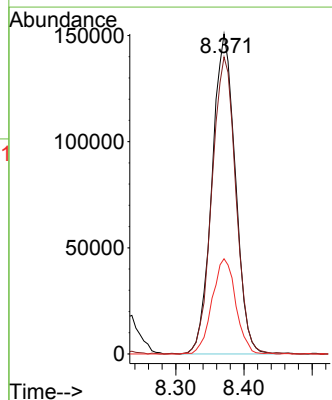
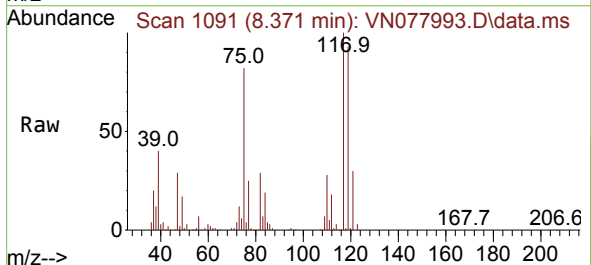
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

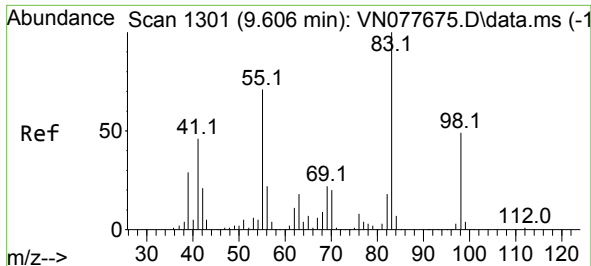
Tgt Ion: 43 Resp: 240782
Ion Ratio Lower Upper
43 100
61 15.4 13.2 19.8
70 11.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 60.953 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 117 Resp: 358589
Ion Ratio Lower Upper
117 100
119 92.8 77.3 115.9
121 29.7 23.3 34.9





#39

Methylcyclohexane

Concen: 48.675 ug/l

RT: 9.612 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

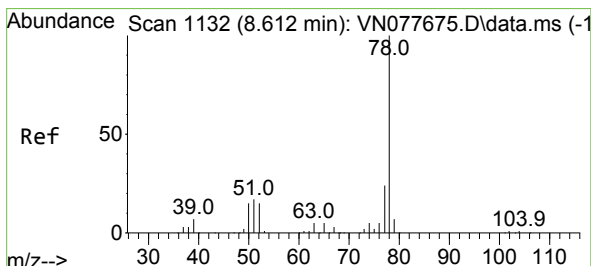
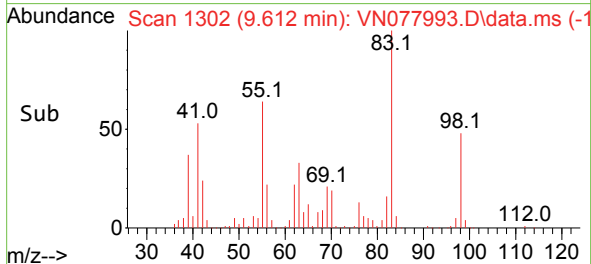
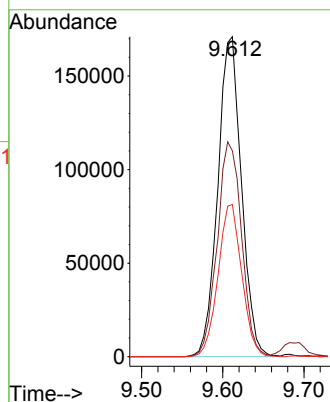
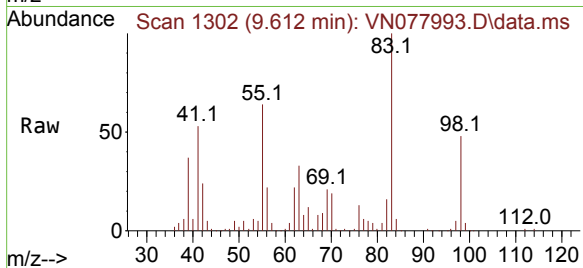
Tgt Ion: 83 Resp: 347177

Ion Ratio Lower Upper

83 100

55 64.4 49.1 73.7

98 47.5 40.6 61.0



#40

Benzene

Concen: 58.379 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN077993.D

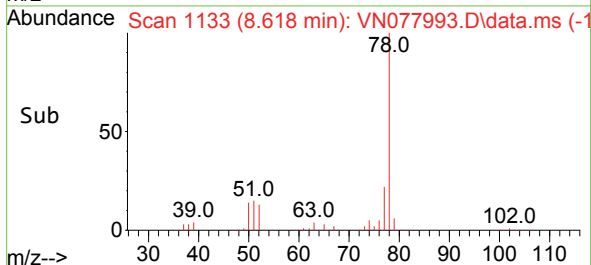
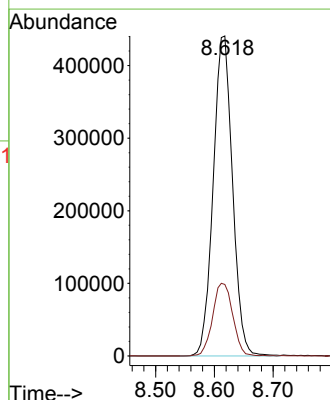
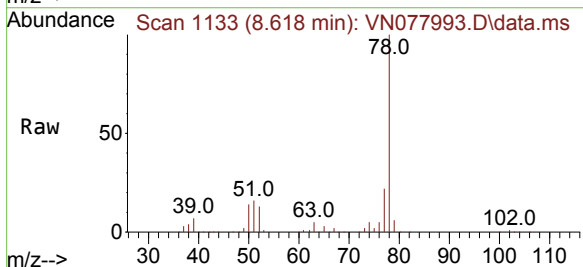
Acq: 31 May 2023 15:20

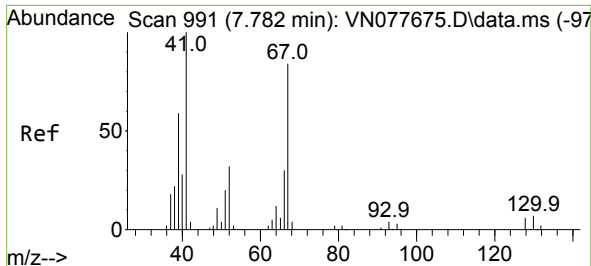
Tgt Ion: 78 Resp: 1003662

Ion Ratio Lower Upper

78 100

77 22.4 19.0 28.6



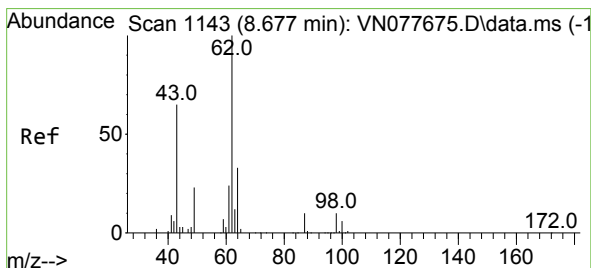
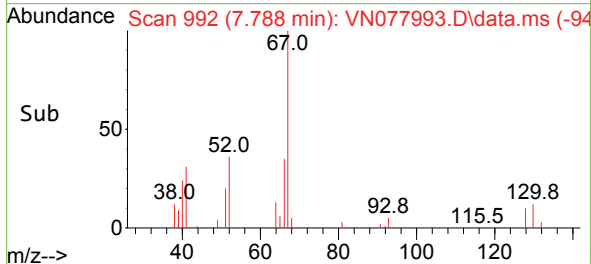
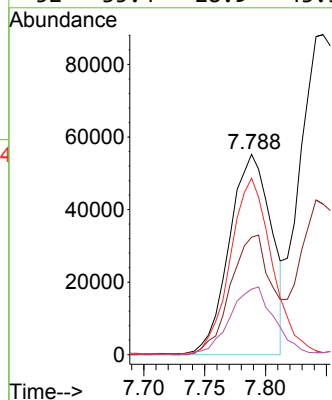
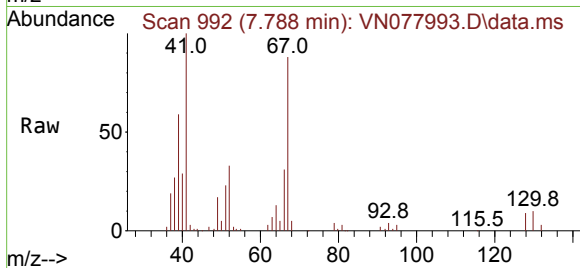


#41
Methacrylonitrile
Concen: 48.212 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

Tgt Ion: 41 Resp: 133327

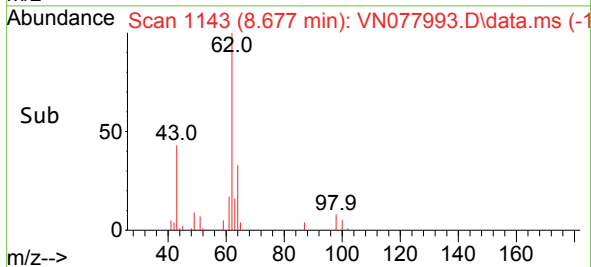
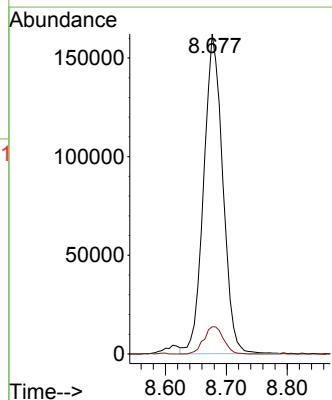
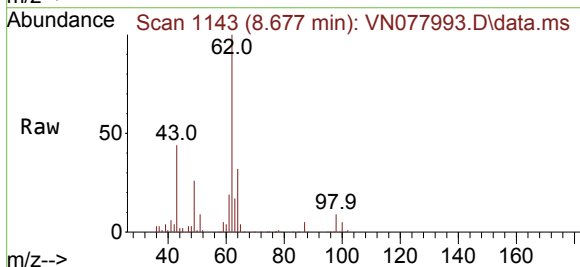
Ion	Ratio	Lower	Upper
41	100		
39	57.6	42.6	64.0
67	88.0	77.5	116.3
52	35.4	28.9	43.3

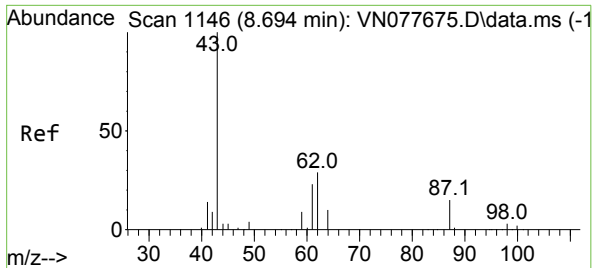


#42
1,2-Dichloroethane
Concen: 56.388 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 62 Resp: 352154

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.8

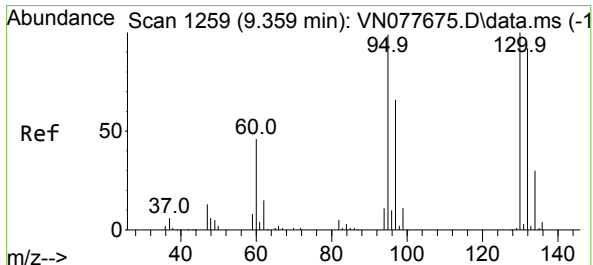
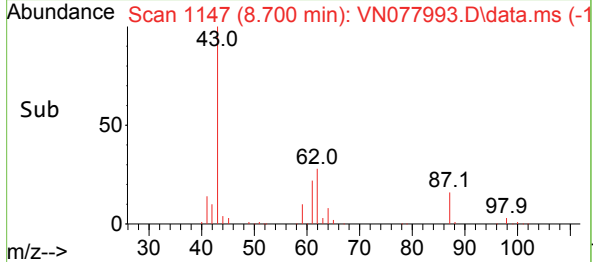
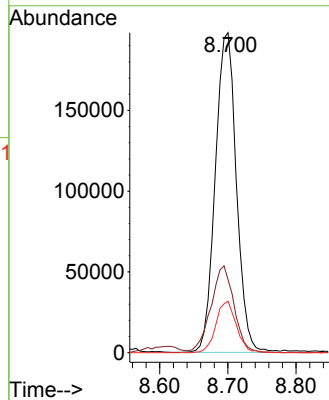
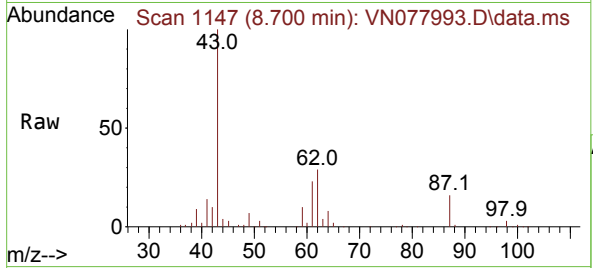




#43
Isopropyl Acetate
Concen: 50.341 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

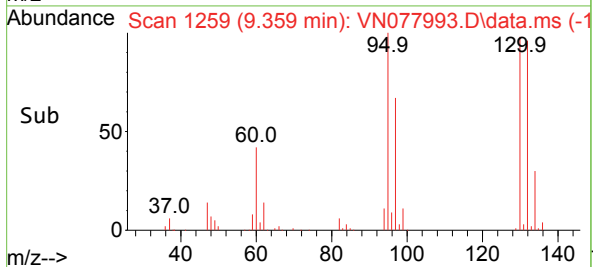
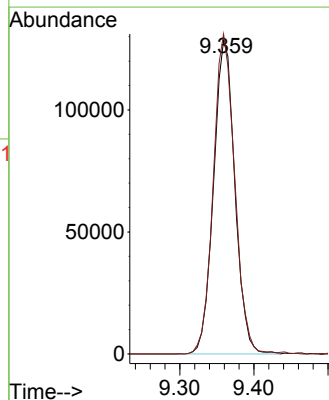
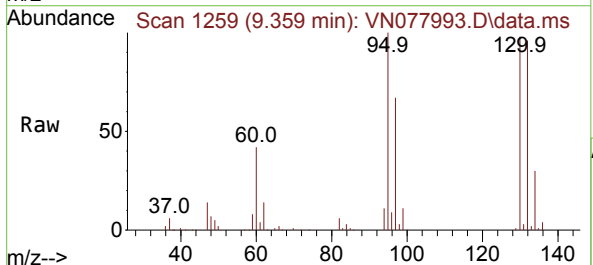
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

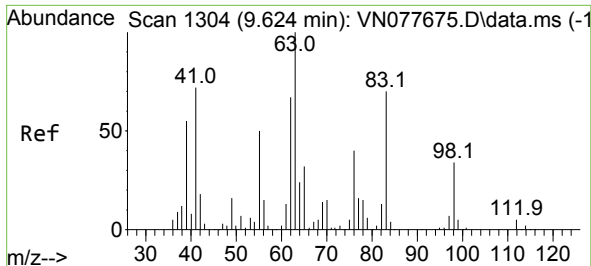
Tgt Ion: 43 Resp: 426987
Ion Ratio Lower Upper
43 100
61 29.8 24.7 37.1
87 15.6 14.6 21.8



#44
Trichloroethene
Concen: 59.012 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion:130 Resp: 256893
Ion Ratio Lower Upper
130 100
95 102.0 0.0 204.6





#45

1,2-Dichloropropane

Concen: 58.611 ug/l

RT: 9.629 min Scan# 1305

Delta R.T. 0.005 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

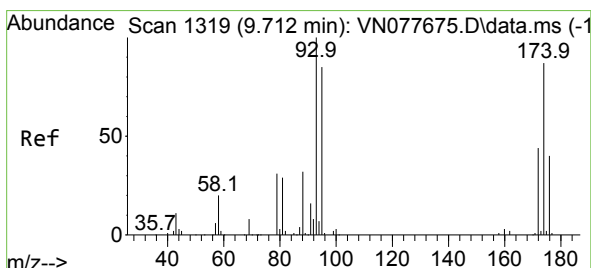
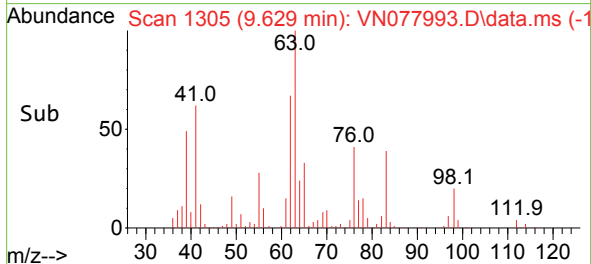
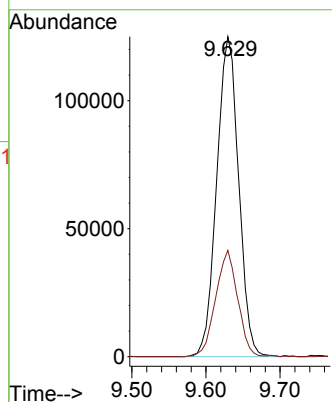
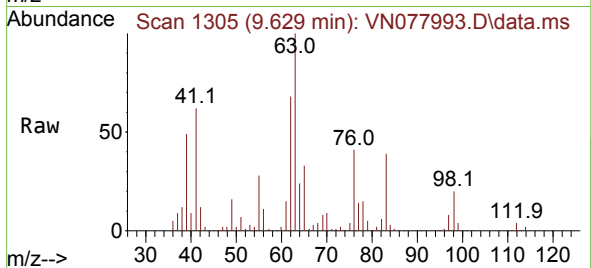
MH-140B-20230526MS

Tgt Ion: 63 Resp: 257026

Ion Ratio Lower Upper

63 100

65 33.2 23.9 35.9



#46

Dibromomethane

Concen: 57.614 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

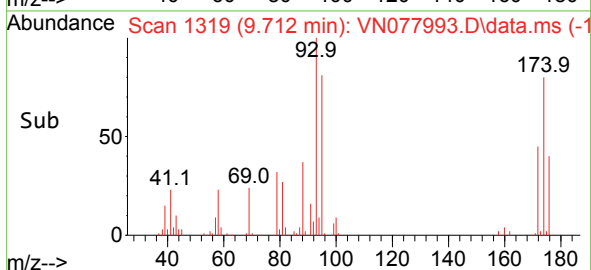
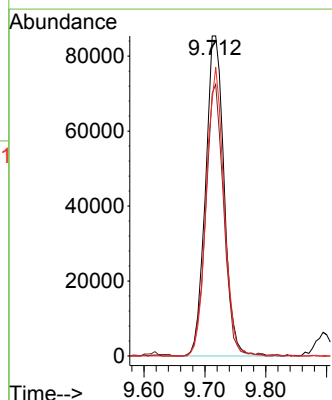
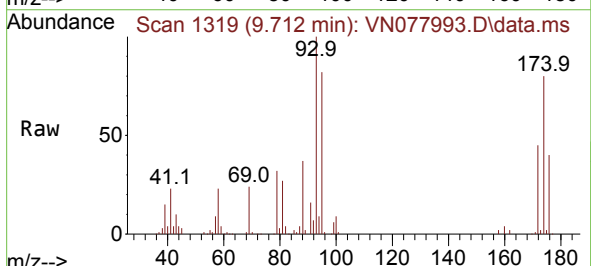
Tgt Ion: 93 Resp: 180791

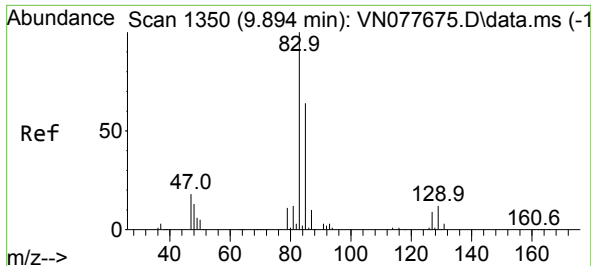
Ion Ratio Lower Upper

93 100

95 82.2 63.8 95.8

174 86.4 65.6 98.4

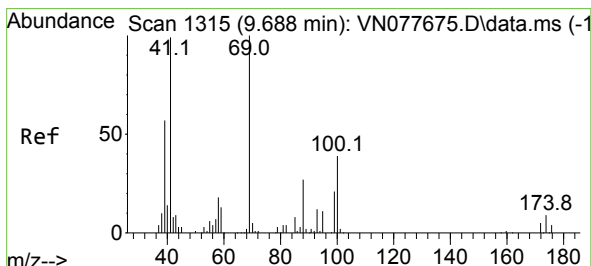
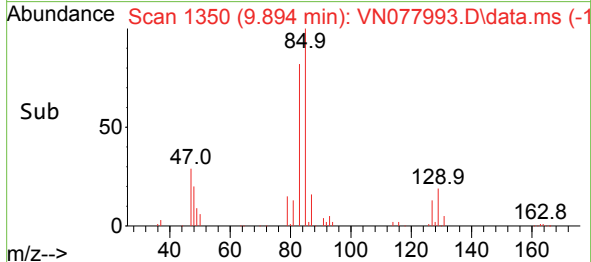
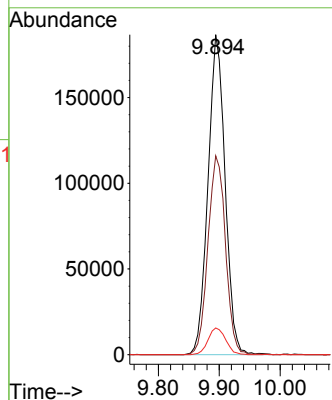
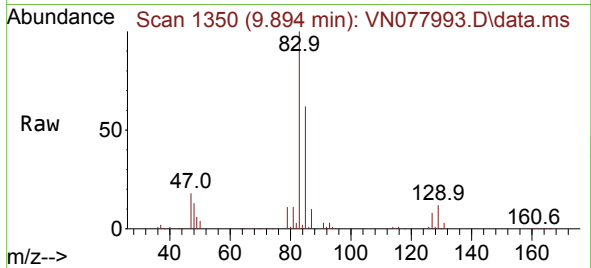




#47
Bromodichloromethane
Concen: 60.628 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

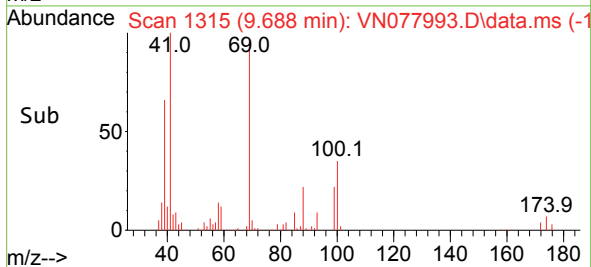
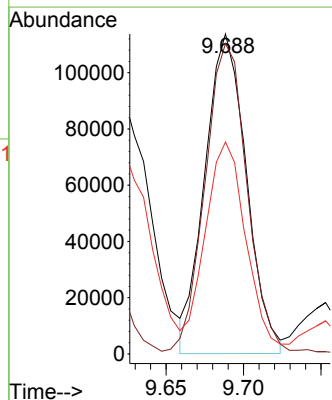
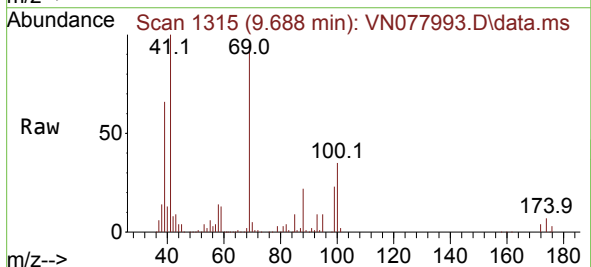
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

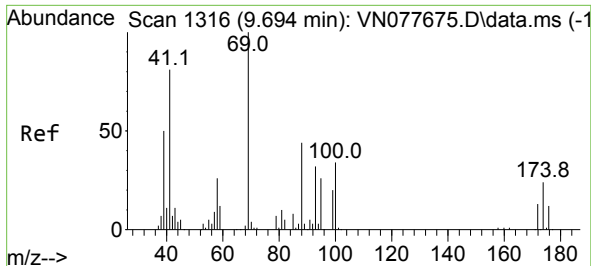
Tgt Ion: 83 Resp: 364230
Ion Ratio Lower Upper
83 100
85 62.2 49.6 74.4
127 8.3 7.0 10.6



#48
Methyl methacrylate
Concen: 52.628 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 41 Resp: 211638
Ion Ratio Lower Upper
41 100
69 99.6 90.4 135.6
39 66.0 54.6 81.8

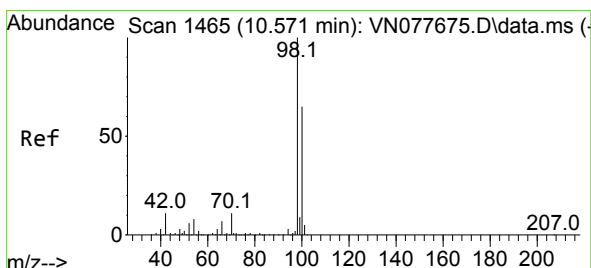
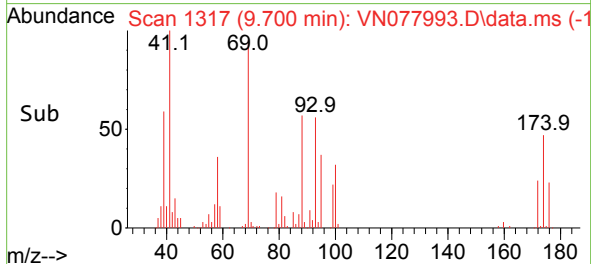
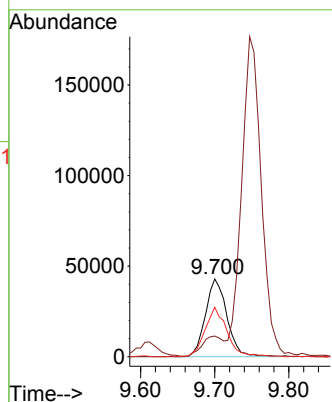
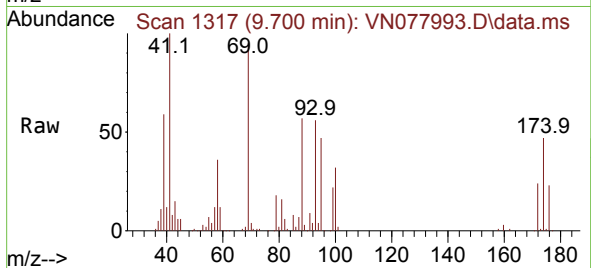




#49
1,4-Dioxane
Concen: 1134.249 ug/l
RT: 9.700 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

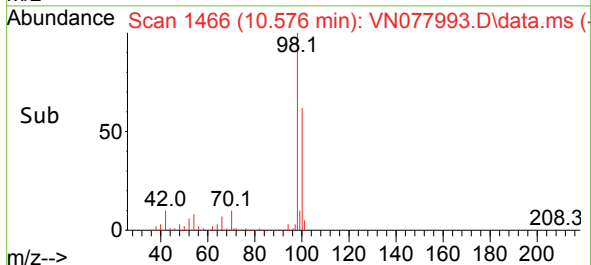
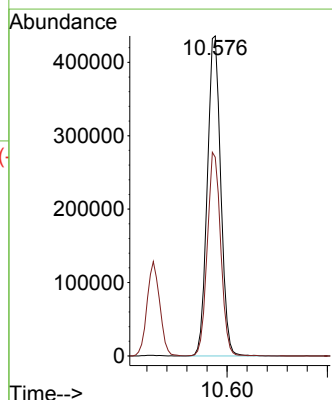
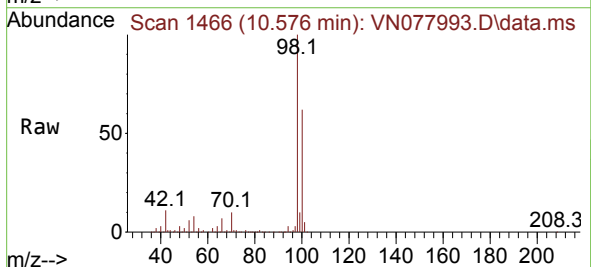
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

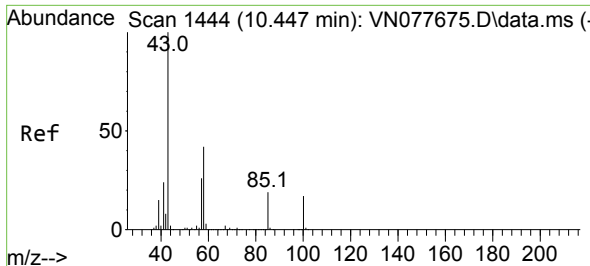
Tgt Ion: 88 Resp: 86150
Ion Ratio Lower Upper
88 100
43 24.7 17.0 25.6
58 65.2 47.0 70.4



#50
Toluene-d8
Concen: 52.825 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 98 Resp: 809891
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

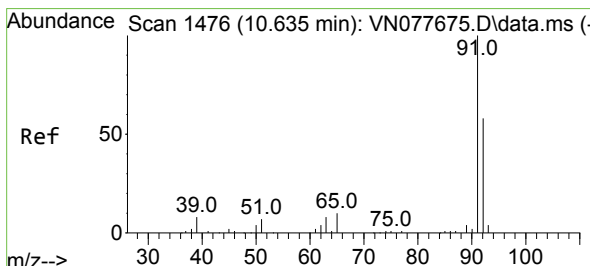
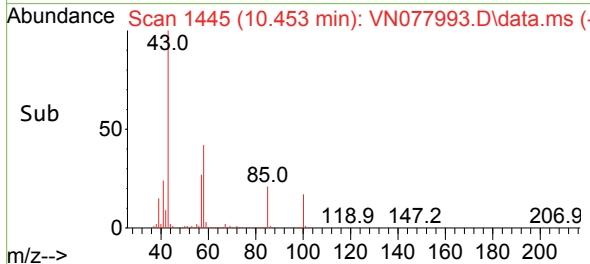
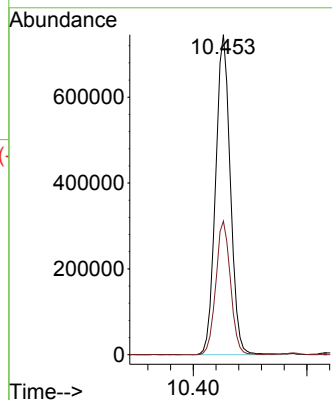
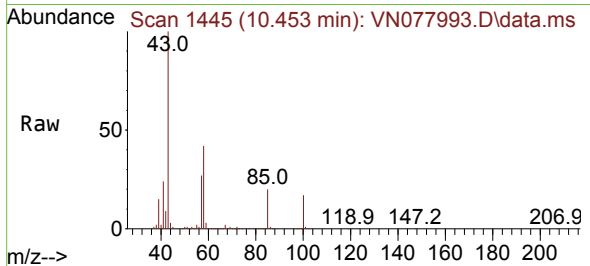




#51
4-Methyl-2-Pentanone
Concen: 266.127 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

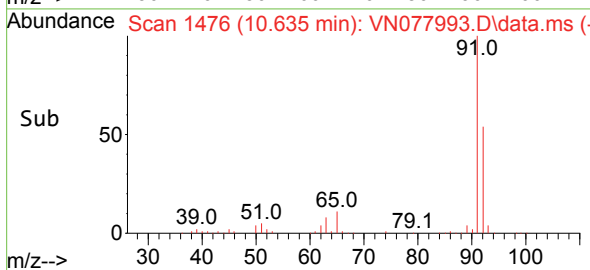
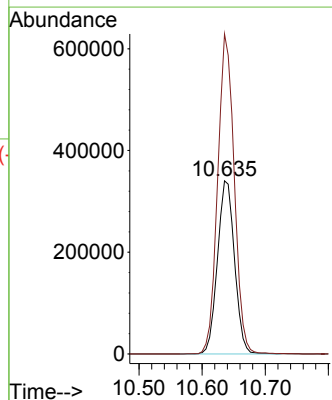
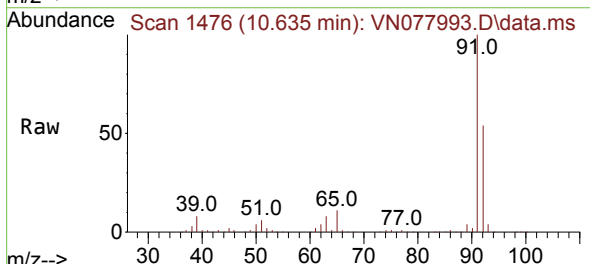
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

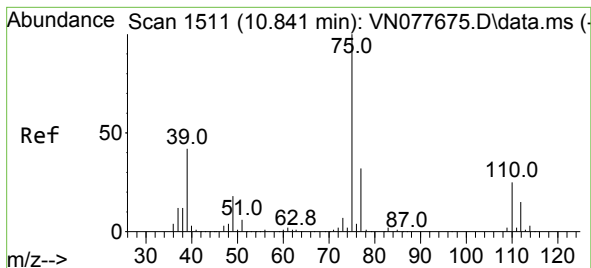
Tgt Ion: 43 Resp: 1341731
Ion Ratio Lower Upper
43 100
58 41.3 36.6 54.8



#52
Toluene
Concen: 59.575 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 92 Resp: 637639
Ion Ratio Lower Upper
92 100
91 179.8 137.4 206.0

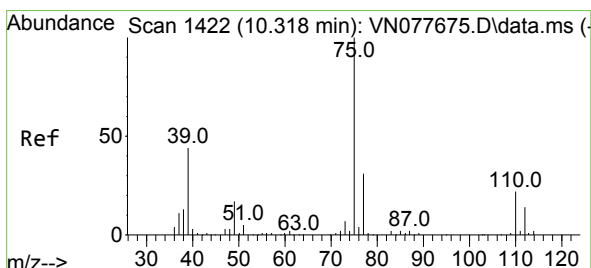
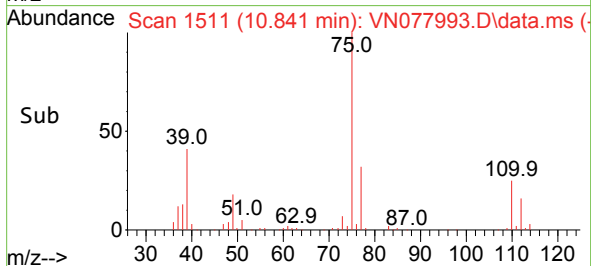
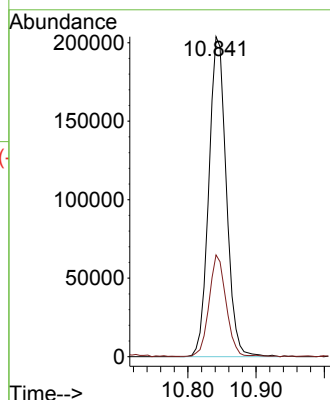
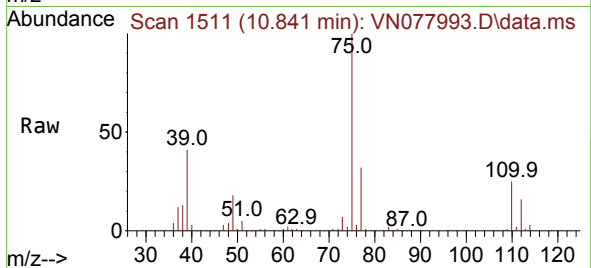




#53
 t-1,3-Dichloropropene
 Concen: 57.170 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VN077993.D
 Acq: 31 May 2023 15:20

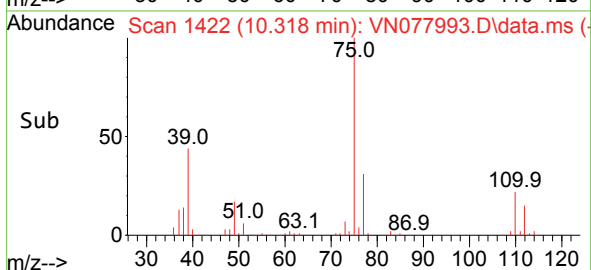
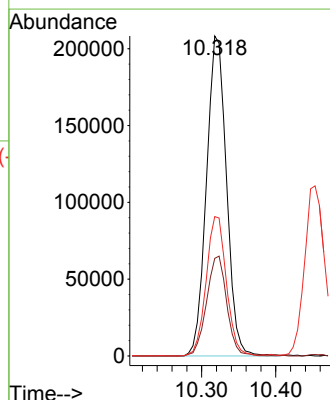
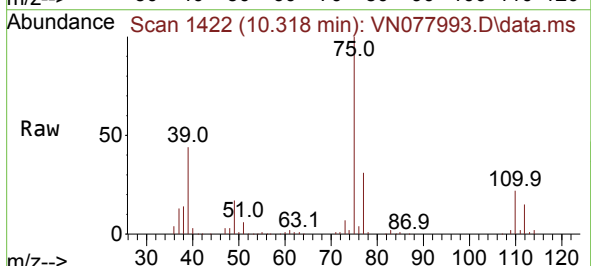
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MS

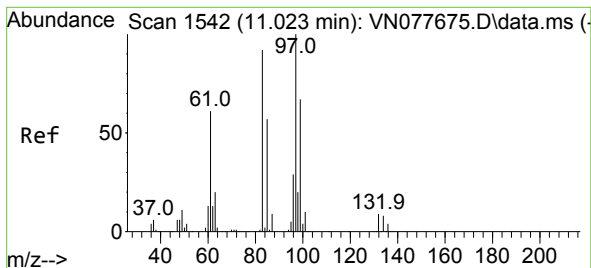
Tgt Ion: 75 Resp: 363709
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 55.815 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN077993.D
 Acq: 31 May 2023 15:20

Tgt Ion: 75 Resp: 391306
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.1 39.1
 39 43.5 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 59.134 ug/l

RT: 11.024 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

Tgt Ion: 97 Resp: 251307

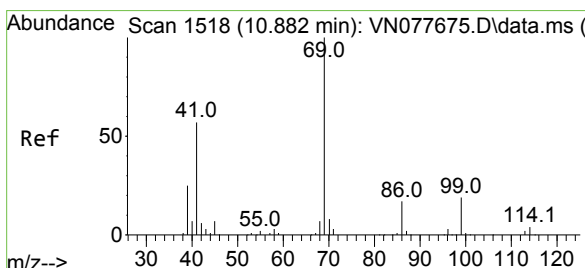
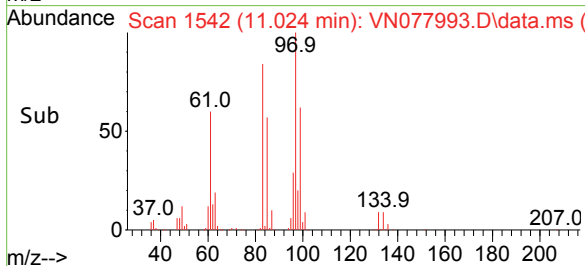
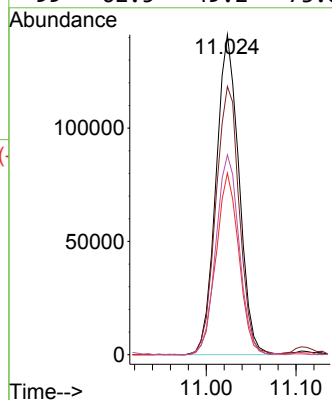
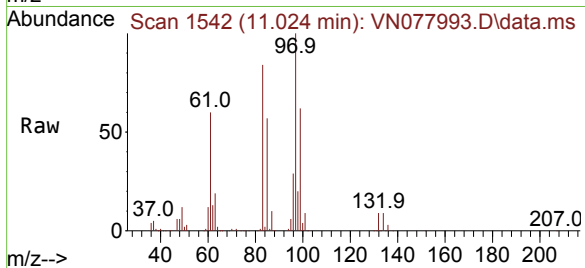
Ion Ratio Lower Upper

97 100

83 83.9 65.1 97.7

85 56.7 43.4 65.2

99 62.5 49.2 73.8



#56

Ethyl methacrylate

Concen: 57.657 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

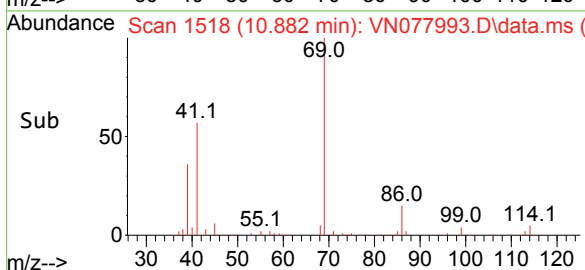
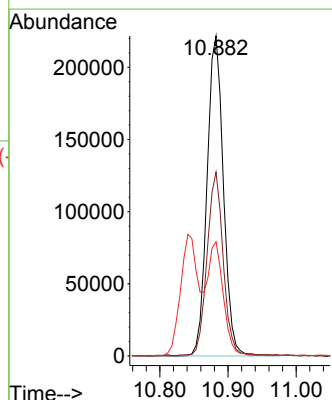
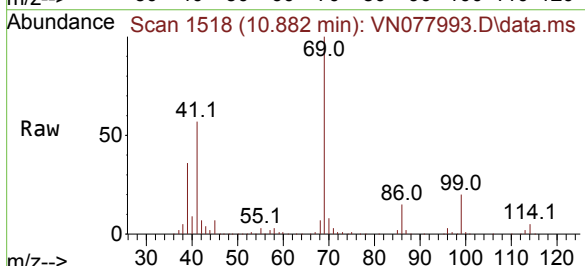
Tgt Ion: 69 Resp: 370482

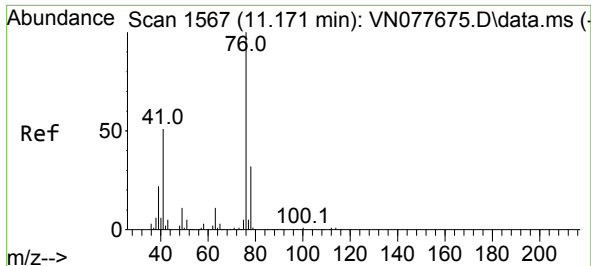
Ion Ratio Lower Upper

69 100

41 56.6 39.6 59.4

39 32.3 28.6 43.0





#57

1,3-Dichloropropane

Concen: 57.346 ug/l

RT: 11.171 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

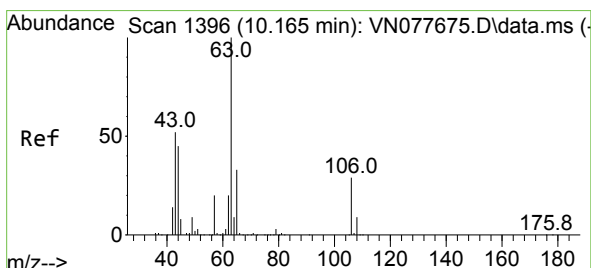
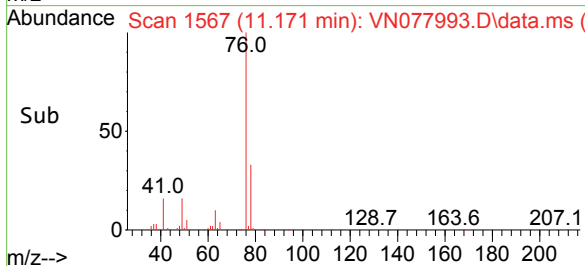
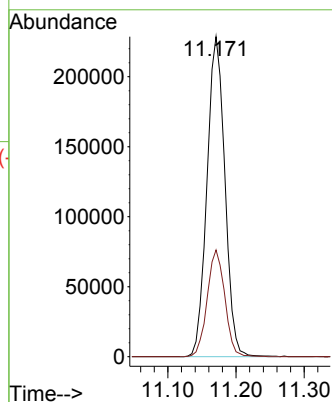
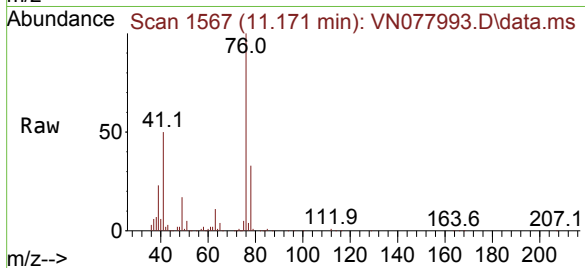
MH-140B-20230526MS

Tgt Ion: 76 Resp: 417793

Ion Ratio Lower Upper

76 100

78 32.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 0.716 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.147 min

Lab File: VN077993.D

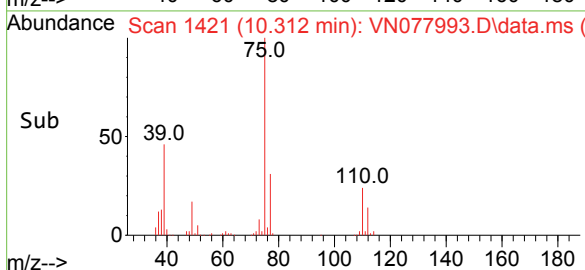
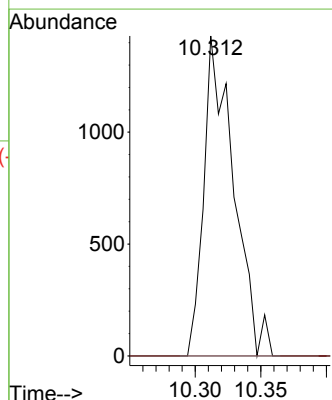
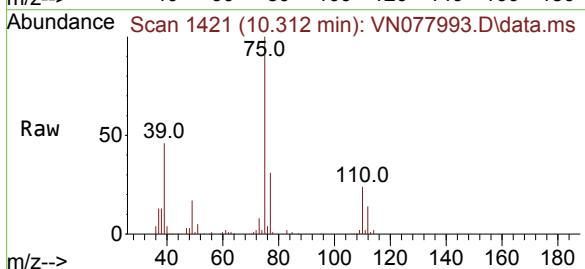
Acq: 31 May 2023 15:20

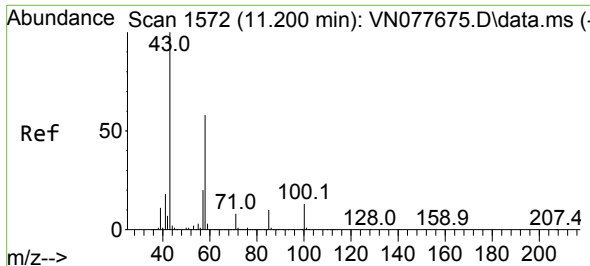
Tgt Ion: 63 Resp: 2262

Ion Ratio Lower Upper

63 100

106 0.0 26.2 39.4#

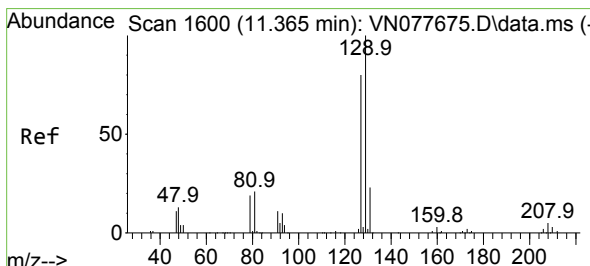
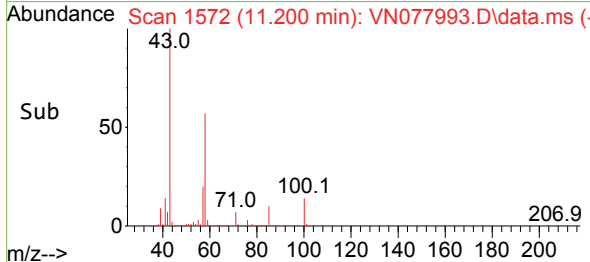
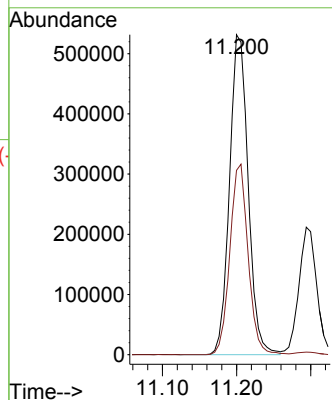
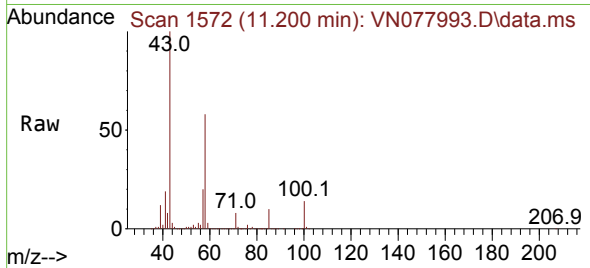




#59
2-Hexanone
Concen: 248.994 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

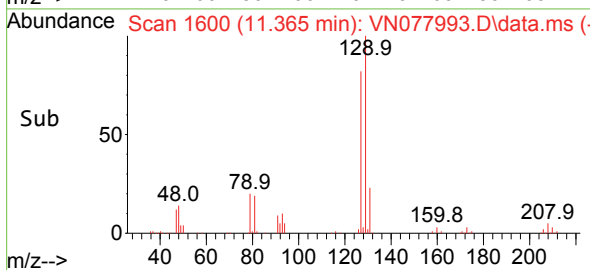
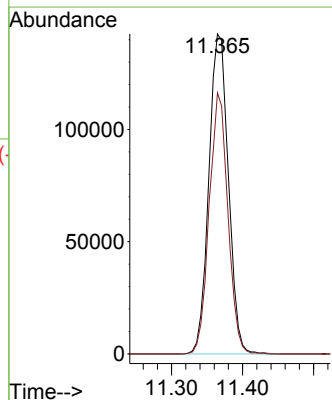
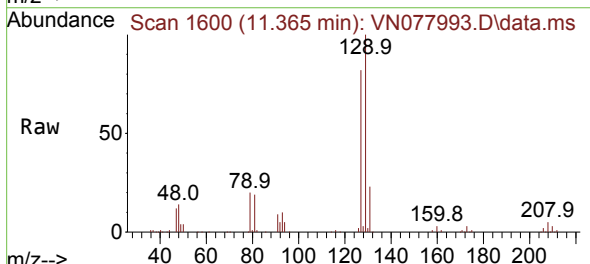
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

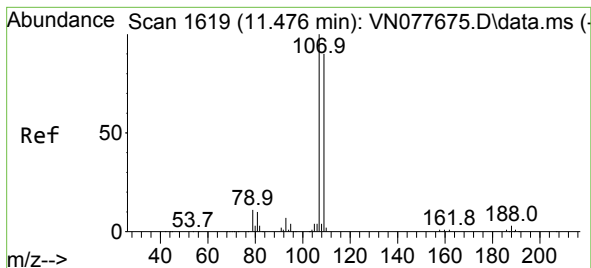
Tgt Ion: 43 Resp: 928534
Ion Ratio Lower Upper
43 100
58 58.4 31.7 95.1



#60
Dibromochloromethane
Concen: 61.994 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion:129 Resp: 271983
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 59.658 ug/l

RT: 11.476 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

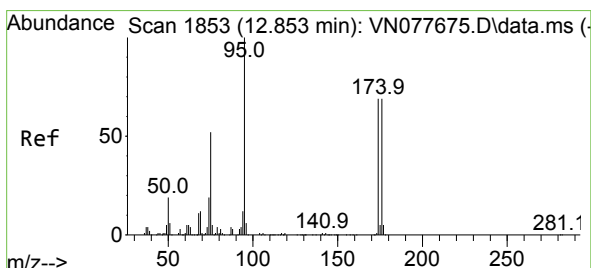
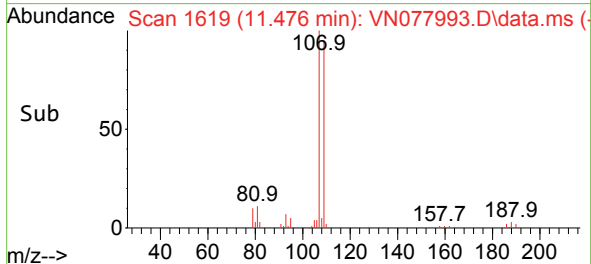
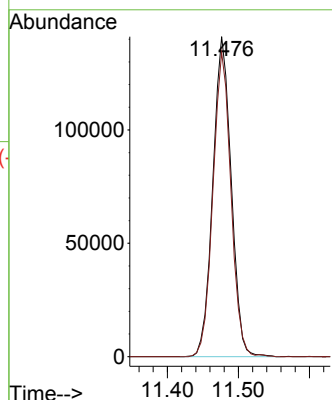
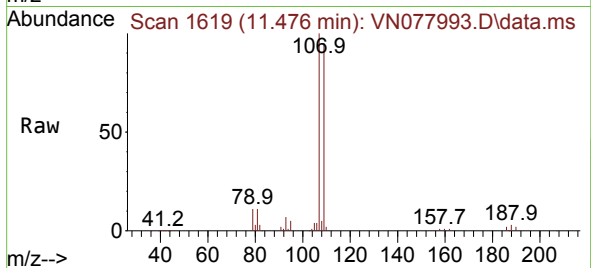
MH-140B-20230526MS

Tgt Ion:107 Resp: 252930

Ion Ratio Lower Upper

107 100

109 93.4 76.6 114.8



#62

4-Bromofluorobenzene

Concen: 51.080 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

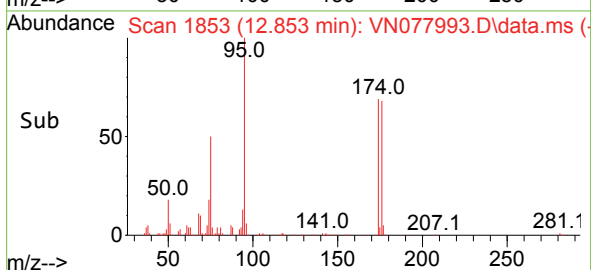
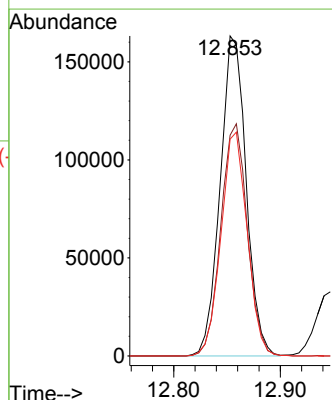
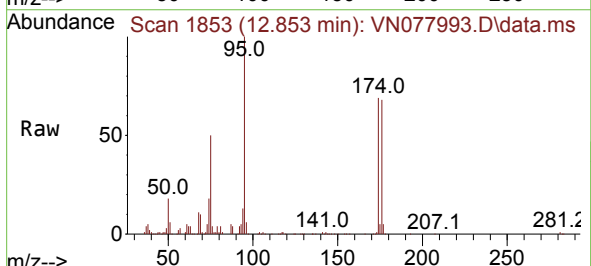
Tgt Ion: 95 Resp: 276587

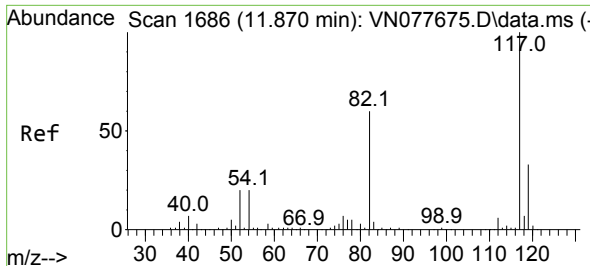
Ion Ratio Lower Upper

95 100

174 74.1 0.0 143.8

176 70.6 0.0 135.8

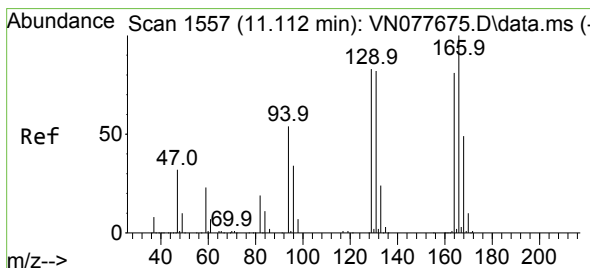
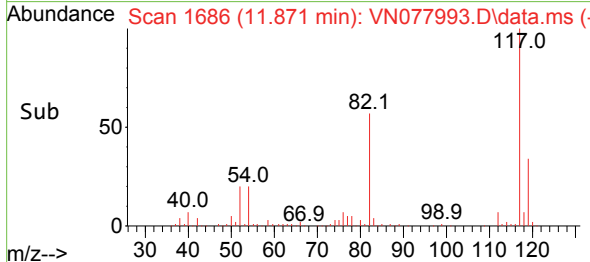
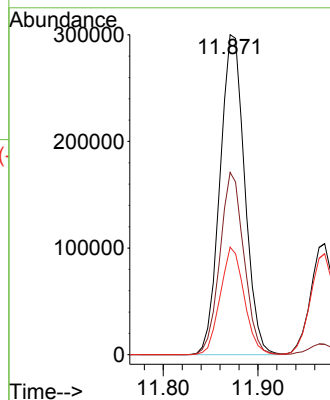
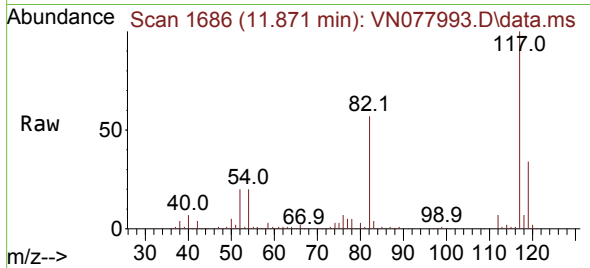




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

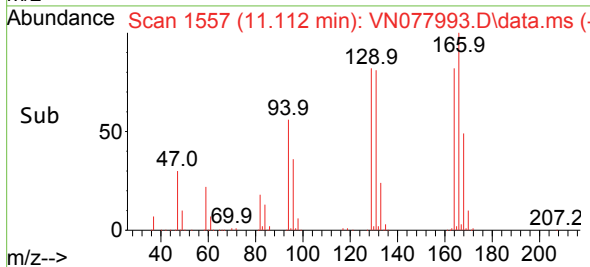
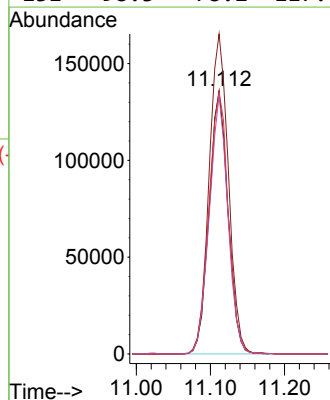
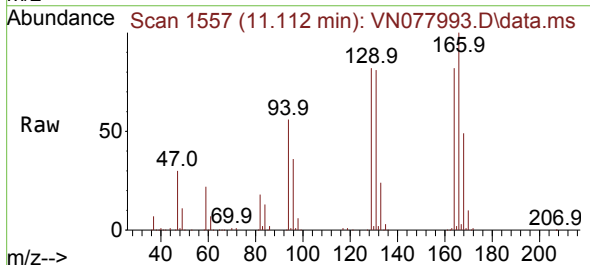
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

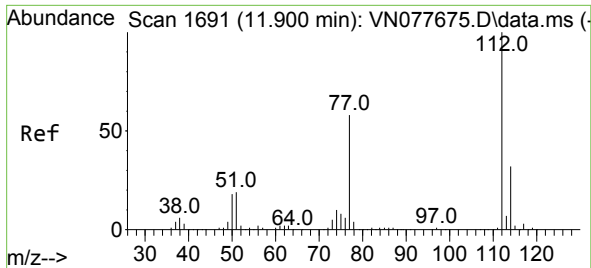
Tgt Ion:117 Resp: 544180
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 33.6 25.6 38.4



#64
Tetrachloroethene
Concen: 63.386 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion:164 Resp: 241222
Ion Ratio Lower Upper
164 100
166 121.8 101.4 152.0
129 99.8 82.4 123.6
131 98.3 78.2 117.4

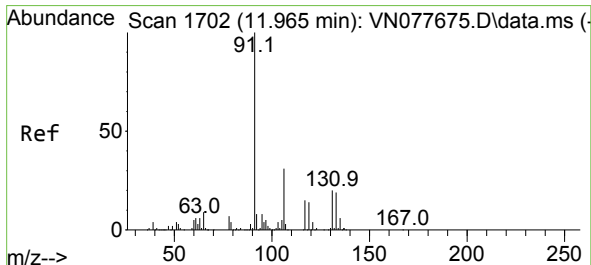
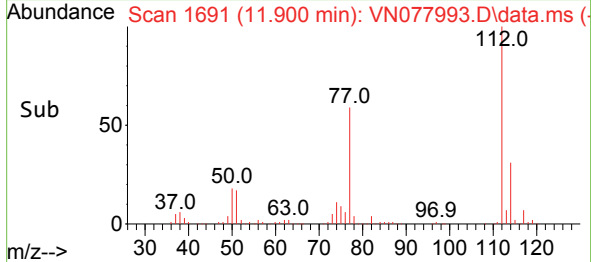
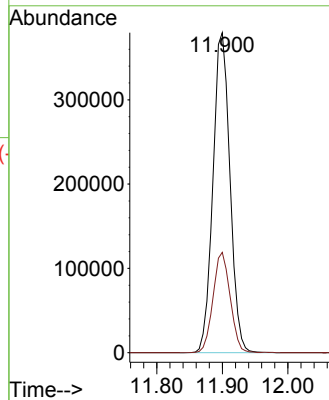
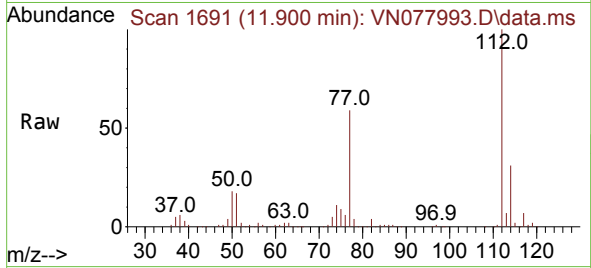




#65
Chlorobenzene
Concen: 57.866 ug/l
RT: 11.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

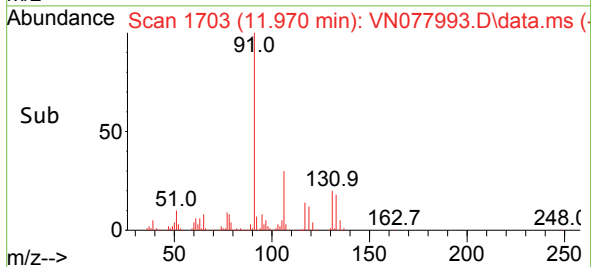
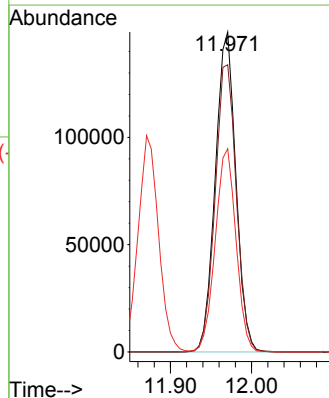
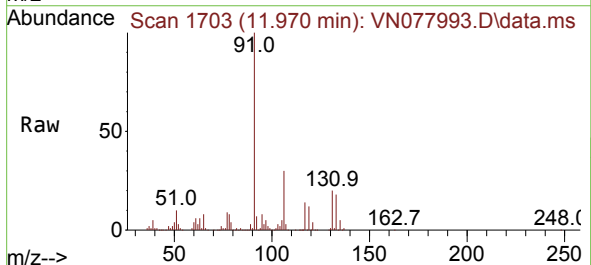
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

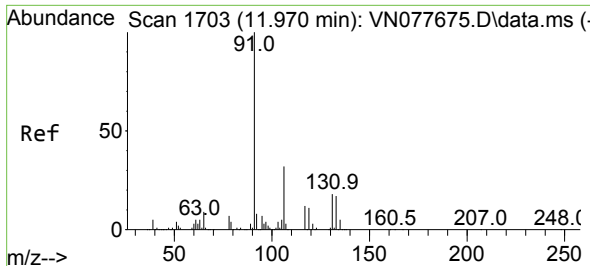
Tgt Ion:112 Resp: 682661
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 64.358 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion:131 Resp: 262707
Ion Ratio Lower Upper
131 100
133 92.8 46.4 139.1
119 64.3 34.1 102.2

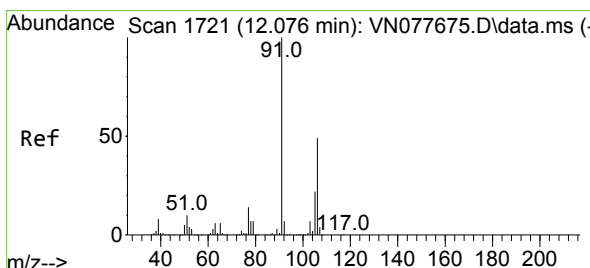
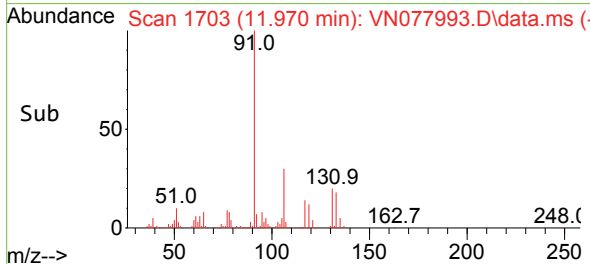
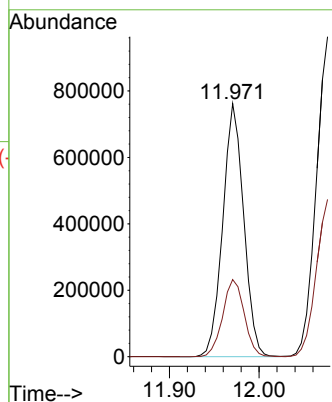
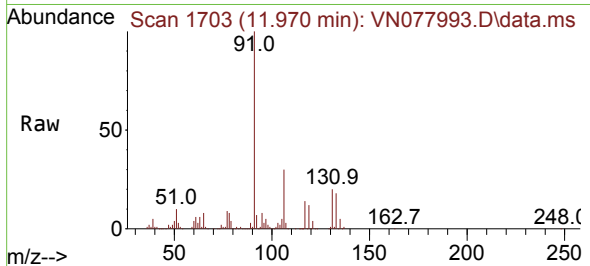




#67
Ethyl Benzene
Concen: 58.325 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

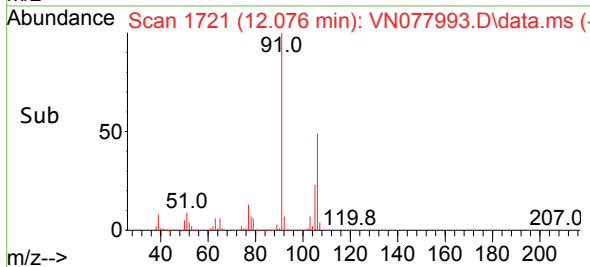
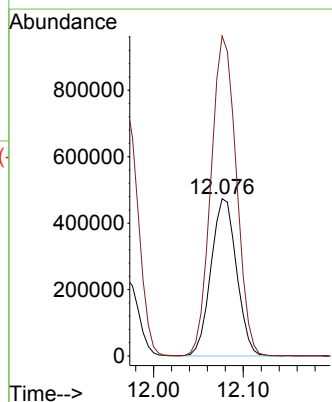
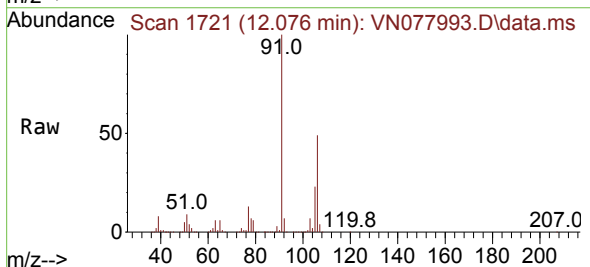
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

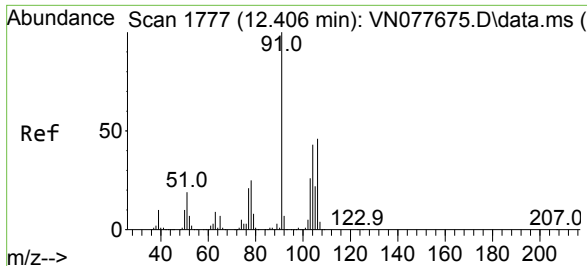
Tgt Ion: 91 Resp: 1233060
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4



#68
m/p-Xylenes
Concen: 116.746 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 106 Resp: 935201
Ion Ratio Lower Upper
106 100
91 202.3 159.6 239.4

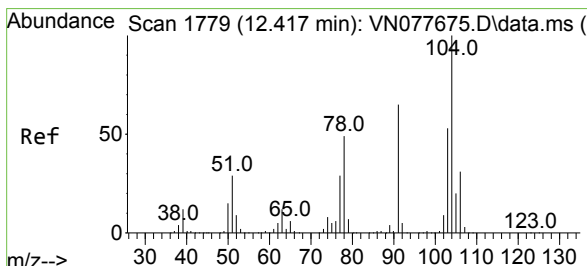
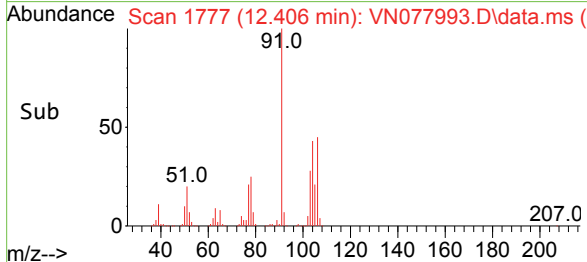
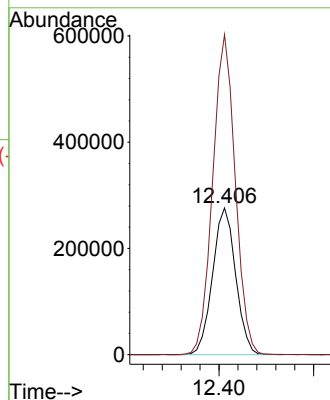
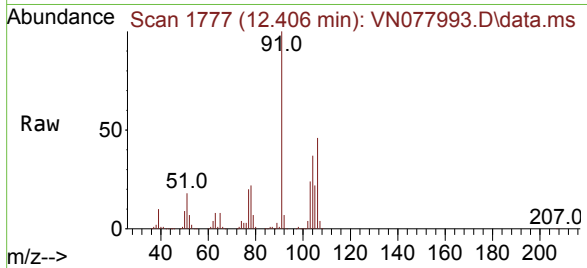




#69
o-Xylene
Concen: 59.263 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

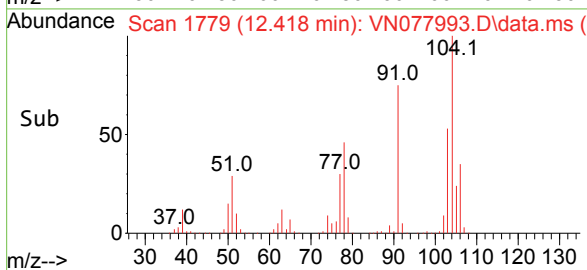
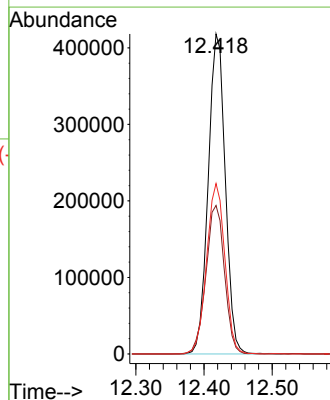
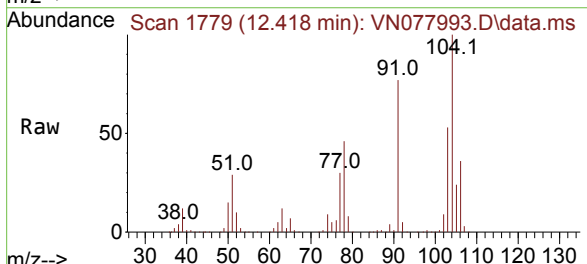
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

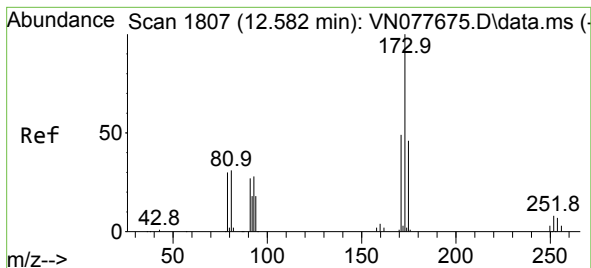
Tgt Ion:106 Resp: 466874
Ion Ratio Lower Upper
106 100
91 213.6 105.2 315.5



#70
Styrene
Concen: 58.292 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion:104 Resp: 729506
Ion Ratio Lower Upper
104 100
78 50.4 39.5 59.3
103 57.0 43.2 64.8





#71

Bromoform

Concen: 63.574 ug/l

RT: 12.588 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

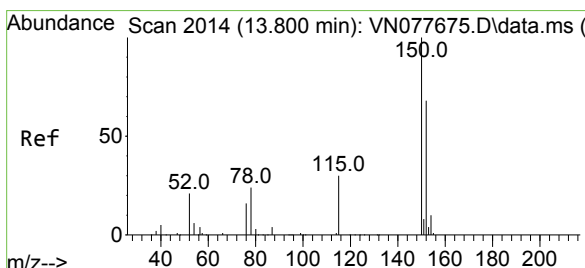
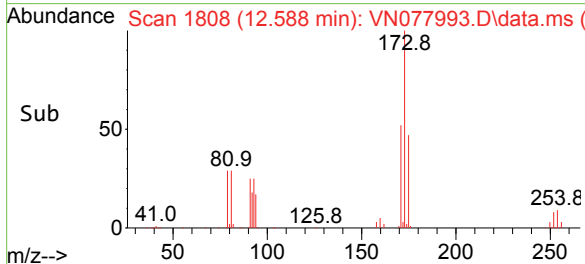
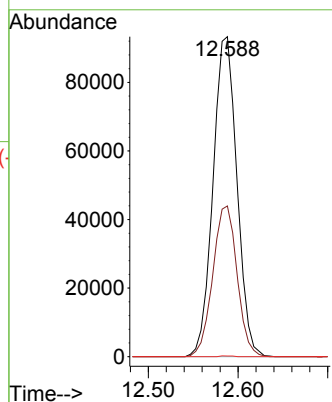
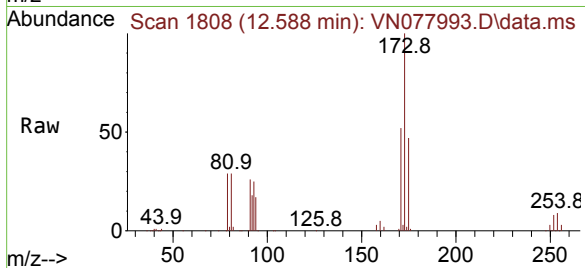
Tgt Ion:173 Resp: 172633

Ion Ratio Lower Upper

173 100

175 47.9 24.3 73.0

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

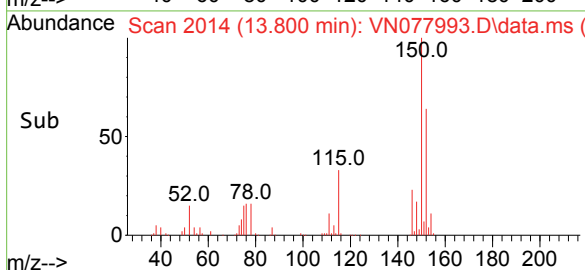
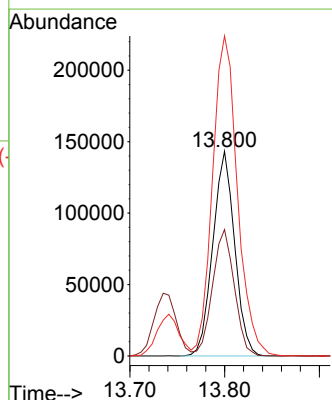
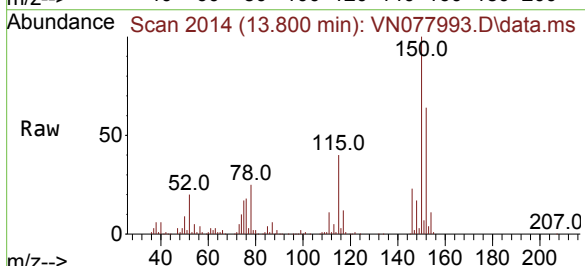
Tgt Ion:152 Resp: 229662

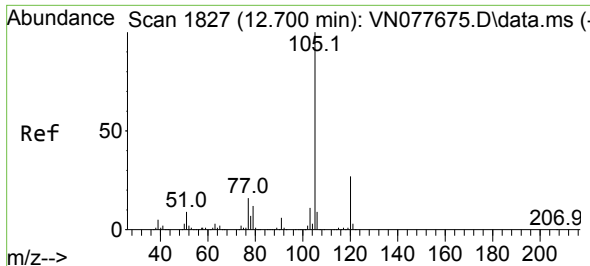
Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 178.2 0.0 355.8

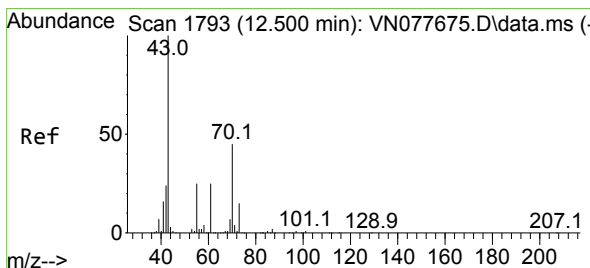
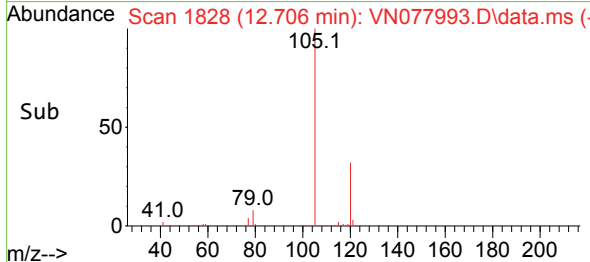
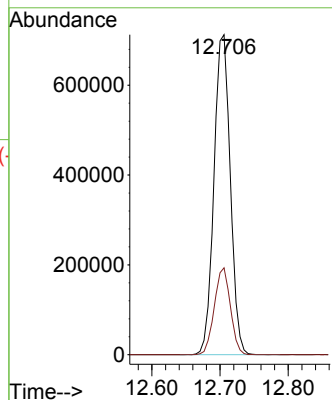
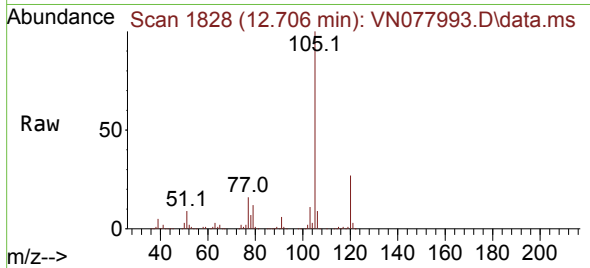




#73
Isopropylbenzene
Concen: 60.016 ug/l
RT: 12.706 min Scan# 1188130
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

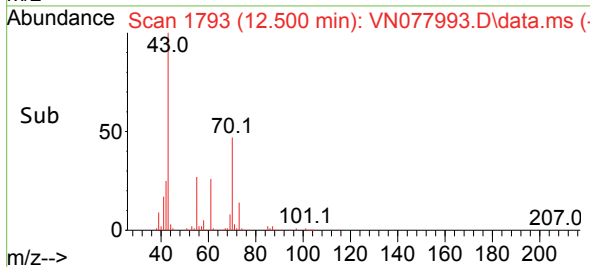
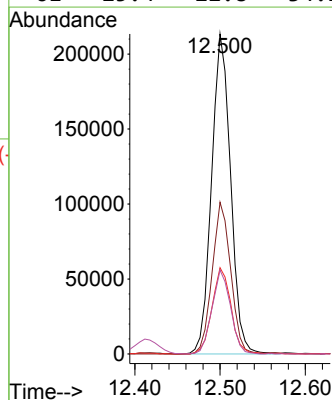
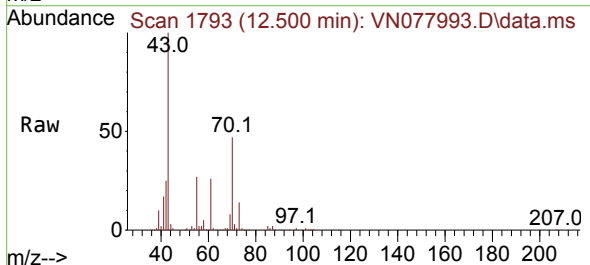
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

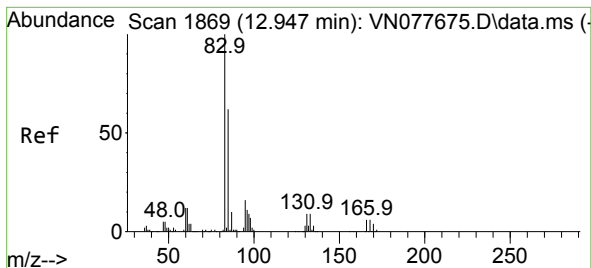
Tgt Ion:105 Resp: 1188130
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.1



#74
N-ethyl acetate
Concen: 45.284 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 43 Resp: 331366
Ion Ratio Lower Upper
43 100
70 46.2 43.4 65.2
55 26.9 21.4 32.0
61 25.4 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.018 ug/l

RT: 12.947 min Scan# 1869

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

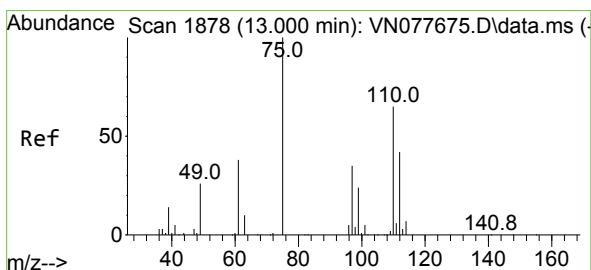
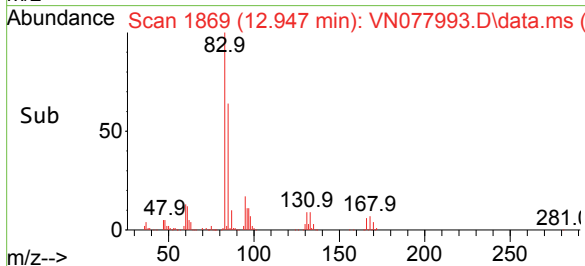
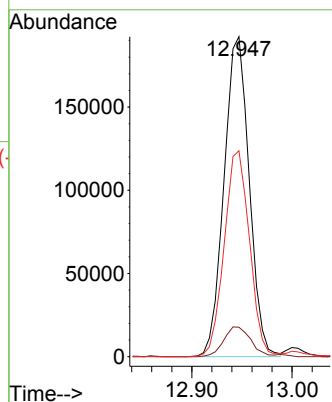
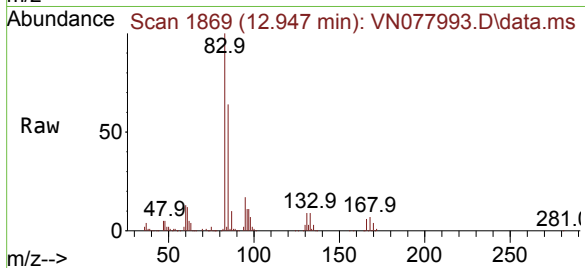
Tgt Ion: 83 Resp: 335074

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

85 64.7 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 70.252 ug/l

RT: 13.000 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VN077993.D

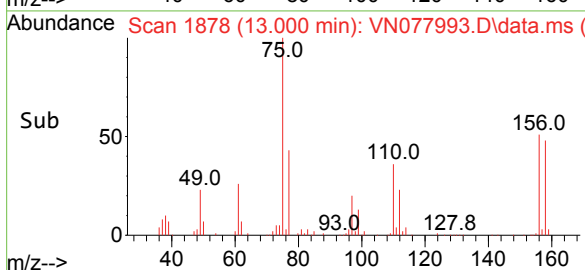
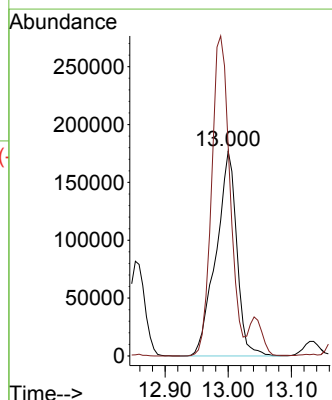
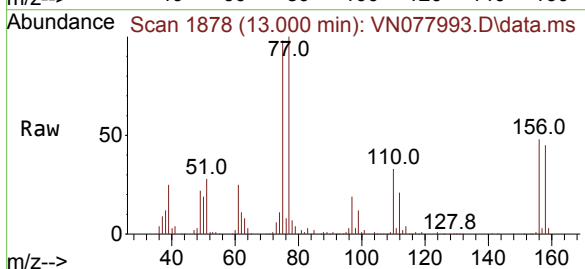
Acq: 31 May 2023 15:20

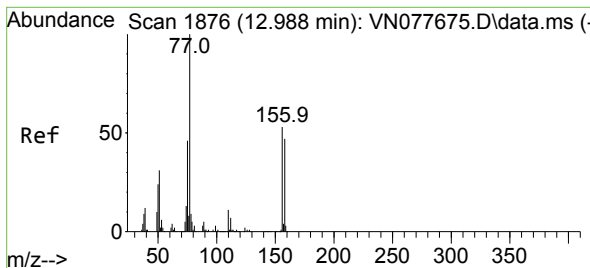
Tgt Ion: 75 Resp: 404057

Ion Ratio Lower Upper

75 100

77 137.0 84.5 253.5





#77

Bromobenzene

Concen: 57.883 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

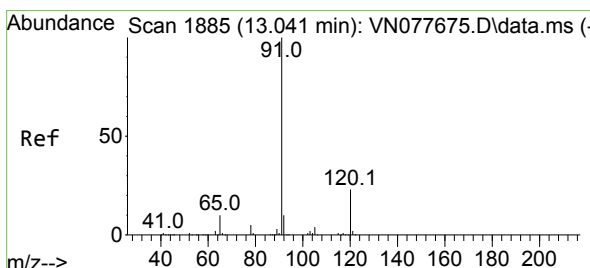
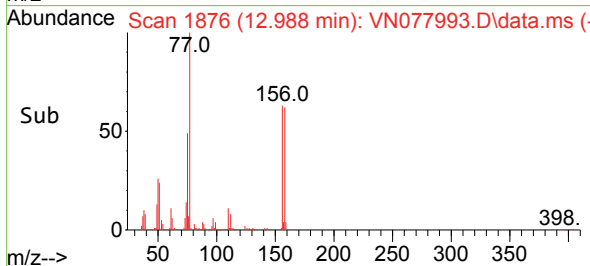
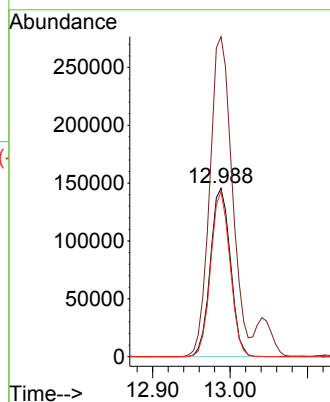
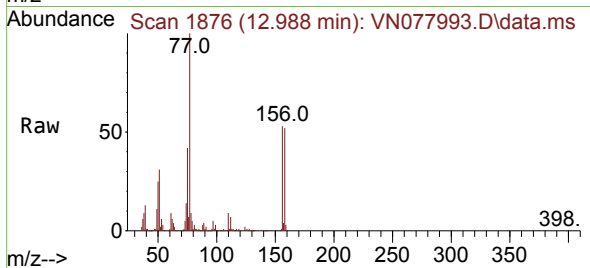
Tgt Ion:156 Resp: 261502

Ion Ratio Lower Upper

156 100

77 211.6 107.7 323.3

158 94.6 48.4 145.3



#78

n-propylbenzene

Concen: 57.813 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN077993.D

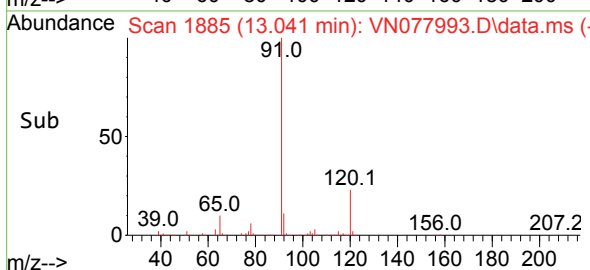
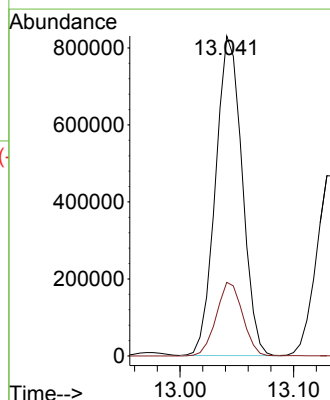
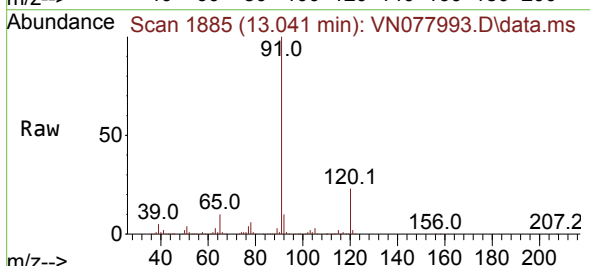
Acq: 31 May 2023 15:20

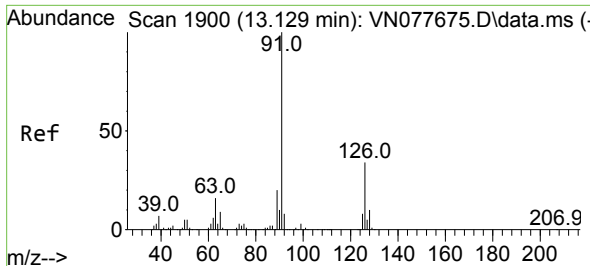
Tgt Ion: 91 Resp: 1349315

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4

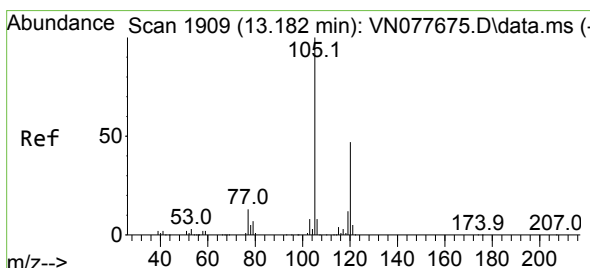
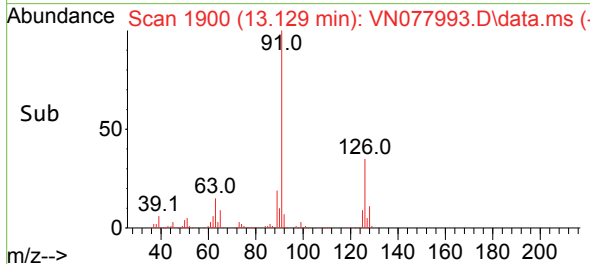
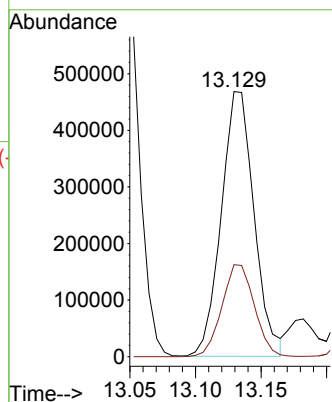
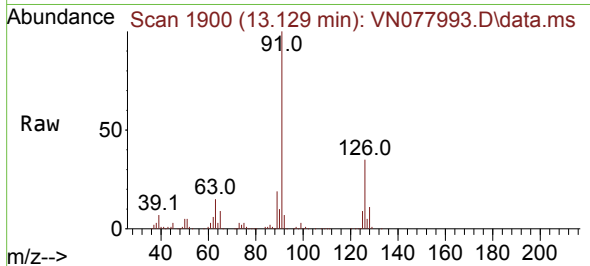




#79
2-Chlorotoluene
Concen: 58.558 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

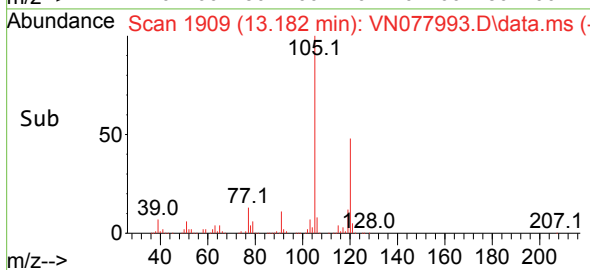
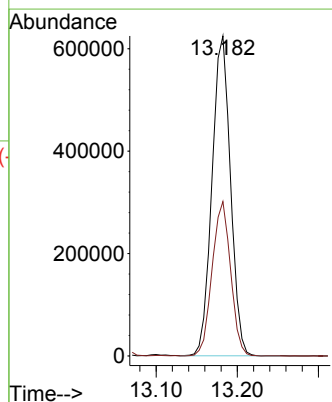
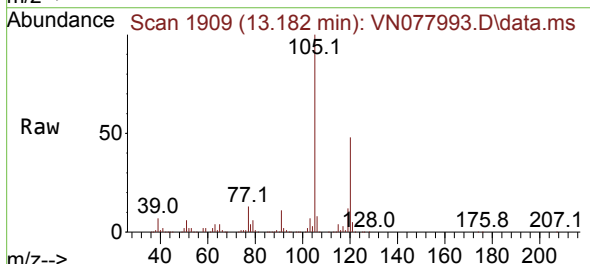
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

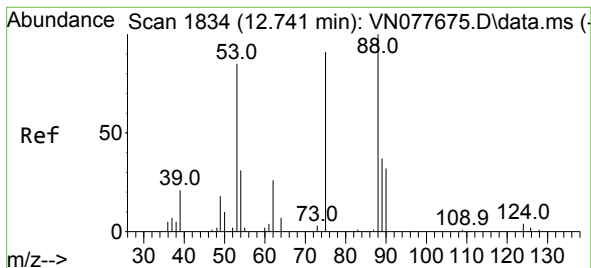
Tgt Ion: 91 Resp: 815541
Ion Ratio Lower Upper
91 100
126 34.3 16.3 48.8



#80
1,3,5-Trimethylbenzene
Concen: 59.339 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 105 Resp: 987312
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 51.435 ug/l

RT: 12.747 min Scan# 1834

Delta R.T. 0.006 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

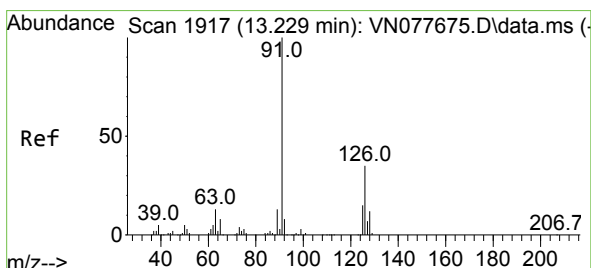
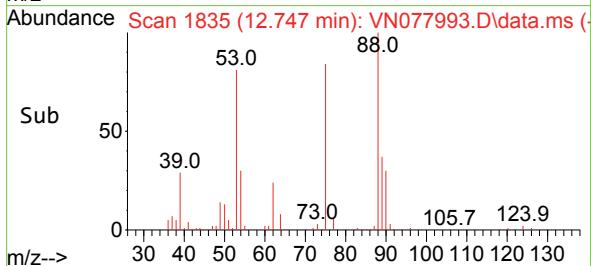
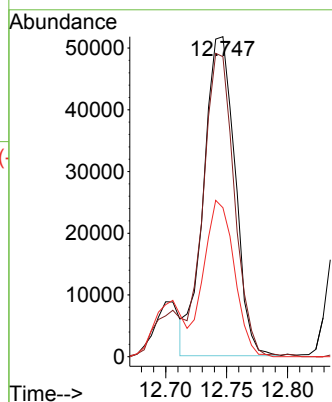
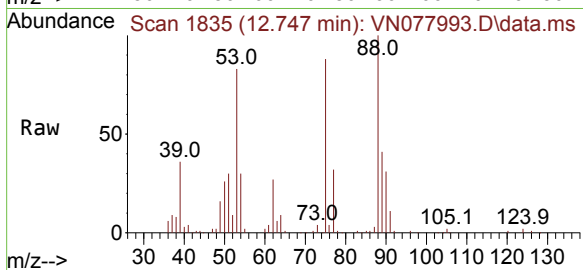
Tgt Ion: 75 Resp: 92548

Ion Ratio Lower Upper

75 100

53 107.4 67.4 101.2#

89 47.7 38.8 58.2



#82

4-Chlorotoluene

Concen: 56.246 ug/l

RT: 13.229 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VN077993.D

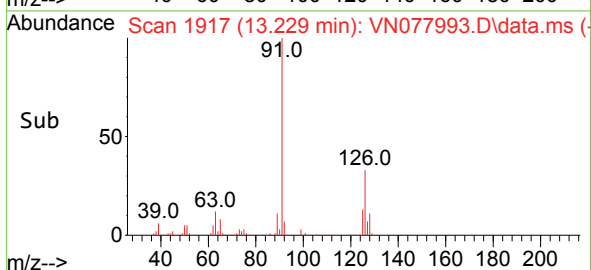
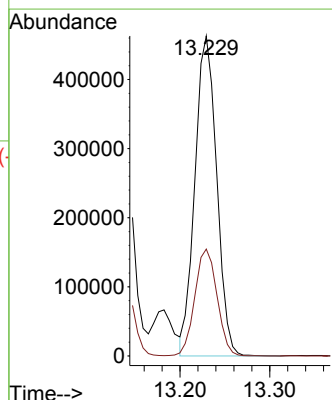
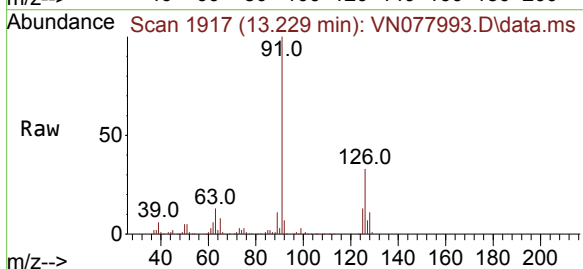
Acq: 31 May 2023 15:20

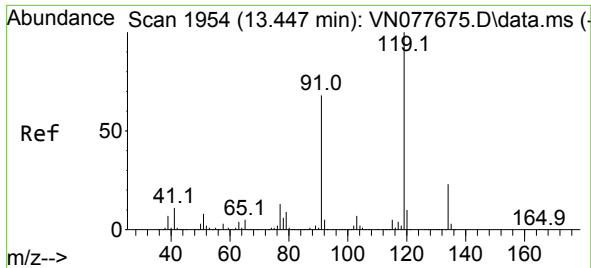
Tgt Ion: 91 Resp: 779389

Ion Ratio Lower Upper

91 100

126 34.2 16.7 50.0

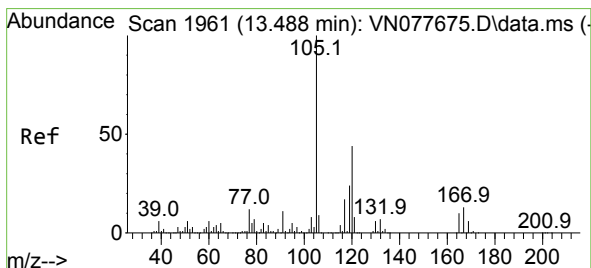
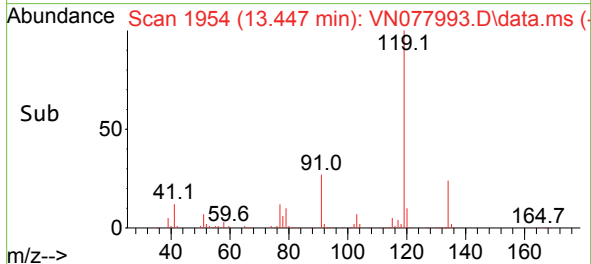
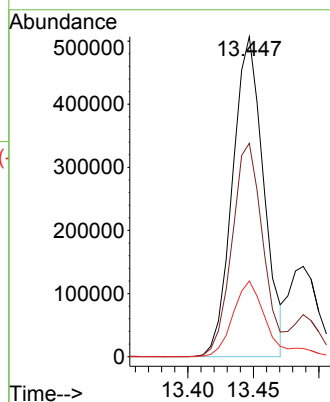
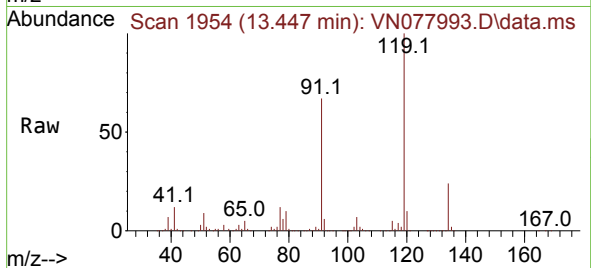




#83
tert-Butylbenzene
Concen: 57.532 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

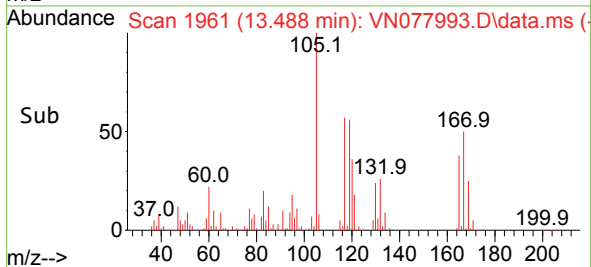
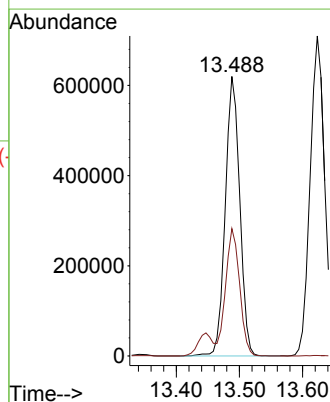
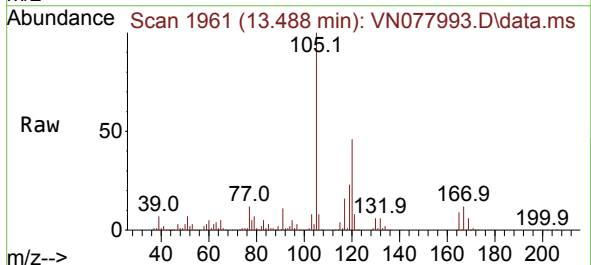
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

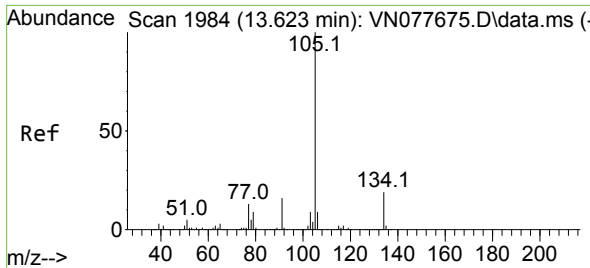
Tgt Ion:119 Resp: 835672
Ion Ratio Lower Upper
119 100
91 67.9 33.9 101.7
134 25.8 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 60.289 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion:105 Resp: 986551
Ion Ratio Lower Upper
105 100
120 43.8 22.0 66.0

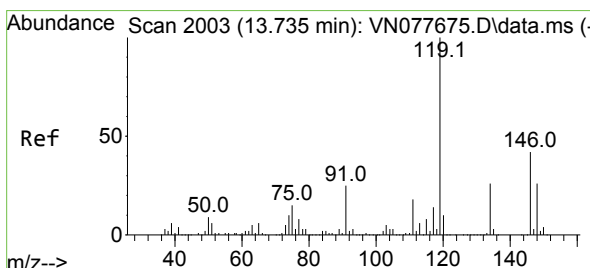
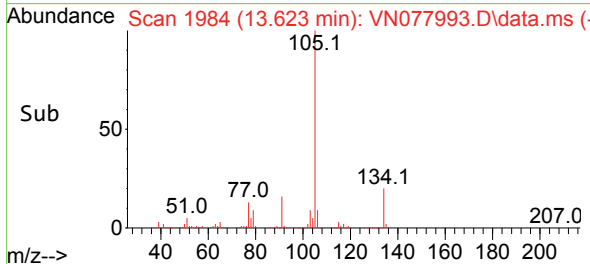
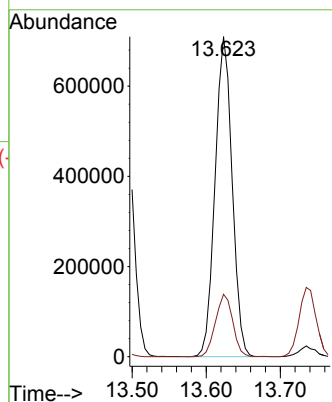
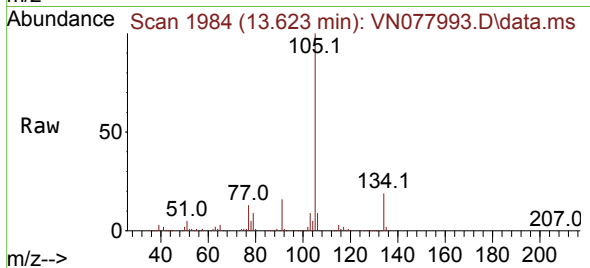




#85
 sec-Butylbenzene
 Concen: 55.016 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077993.D
 Acq: 31 May 2023 15:20

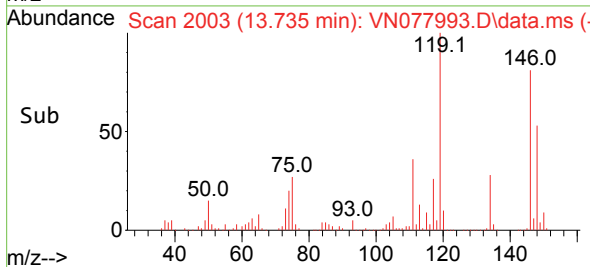
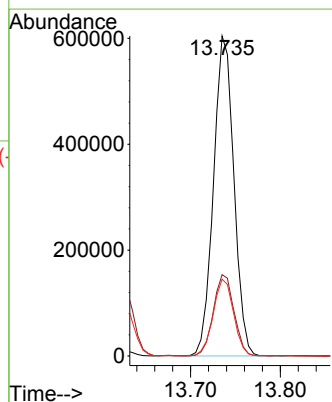
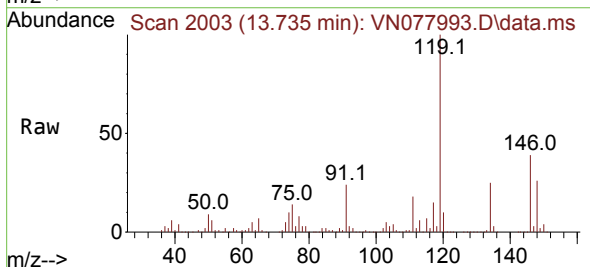
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MS

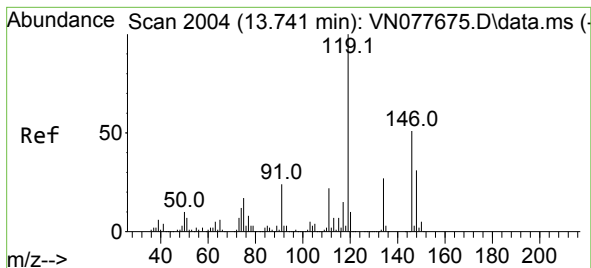
Tgt Ion:105 Resp: 1135695
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 57.965 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077993.D
 Acq: 31 May 2023 15:20

Tgt Ion:119 Resp: 953955
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.6 37.8
 91 24.0 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 54.404 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

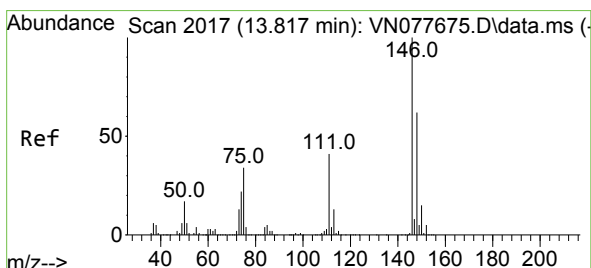
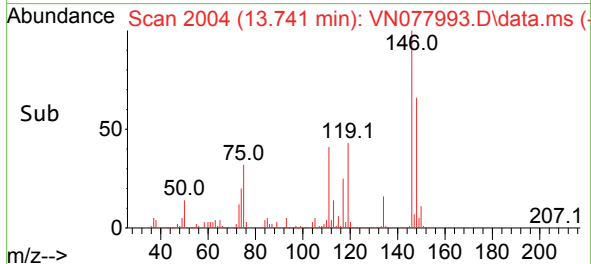
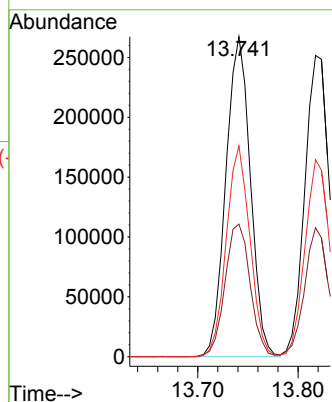
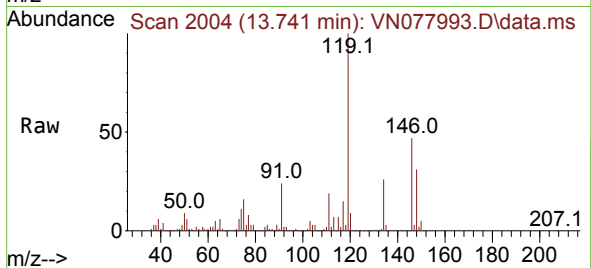
Tgt Ion:146 Resp: 454542

Ion Ratio Lower Upper

146 100

111 42.5 22.1 66.3

148 63.7 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 52.224 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

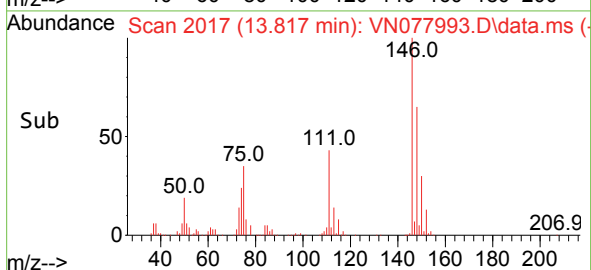
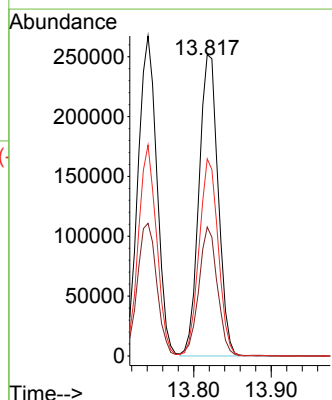
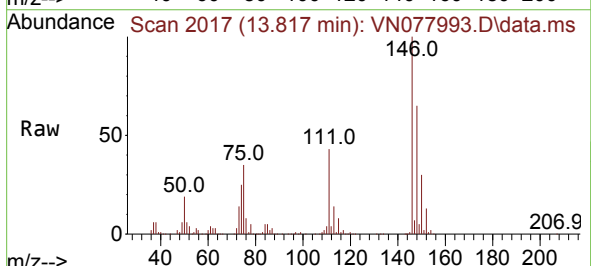
Tgt Ion:146 Resp: 432985

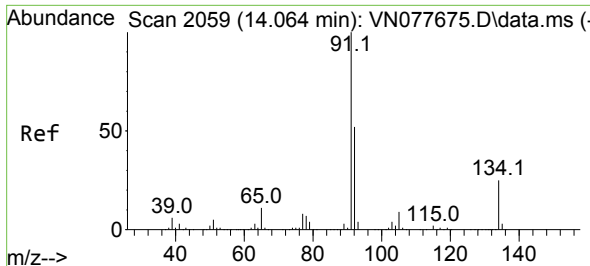
Ion Ratio Lower Upper

146 100

111 41.2 20.6 61.8

148 64.9 31.6 94.8

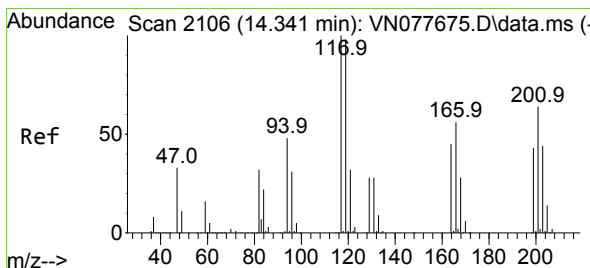
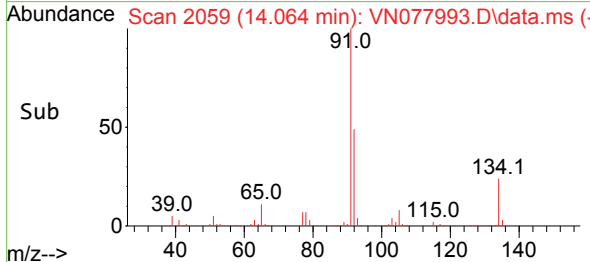
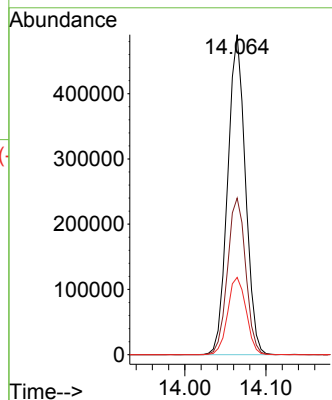
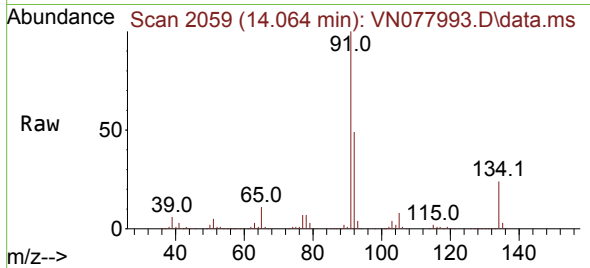




#89
n-Butylbenzene
Concen: 49.189 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

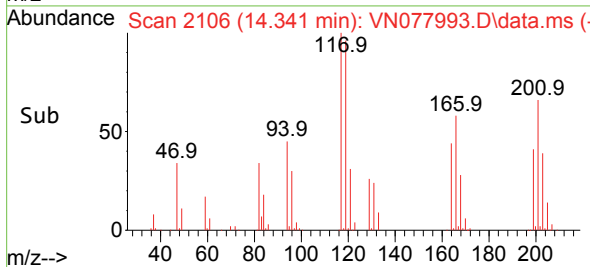
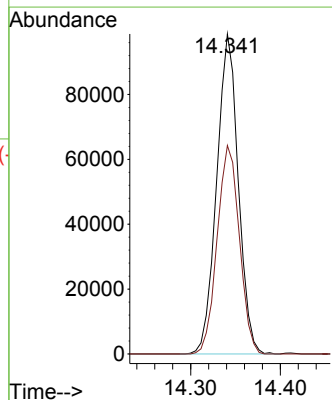
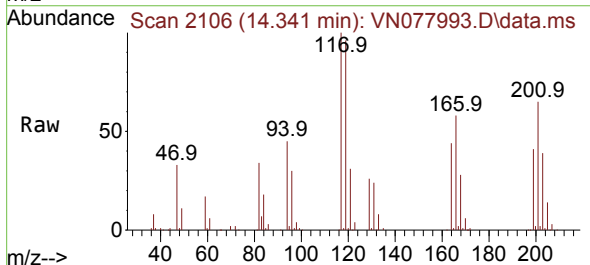
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

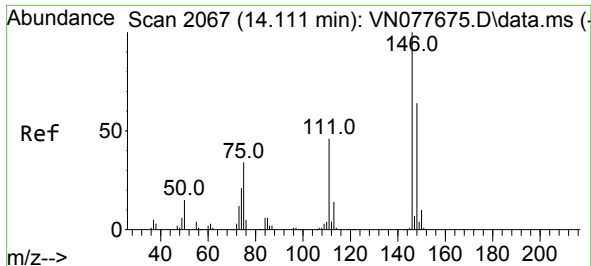
Tgt Ion: 91 Resp: 744584
Ion Ratio Lower Upper
91 100
92 50.1 26.4 79.0
134 25.1 12.6 37.6



#90
Hexachloroethane
Concen: 60.975 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 117 Resp: 164851
Ion Ratio Lower Upper
117 100
201 66.9 29.3 88.0

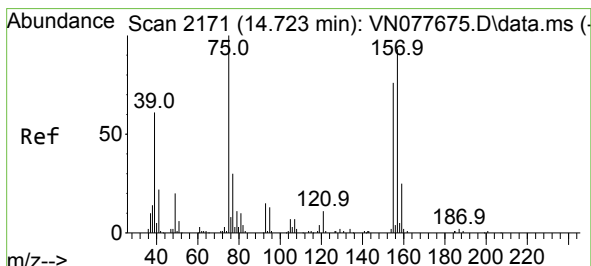
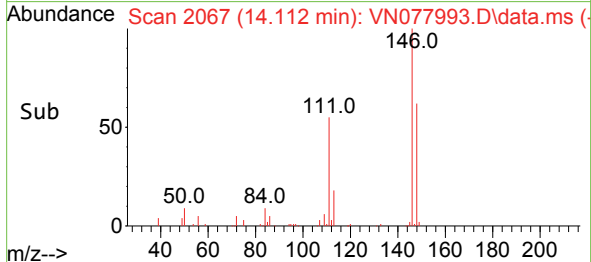
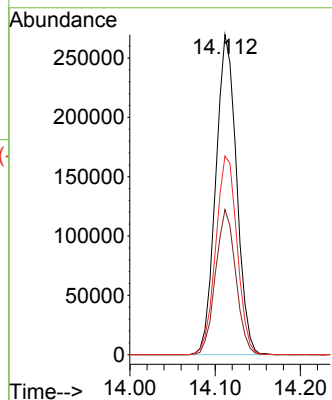
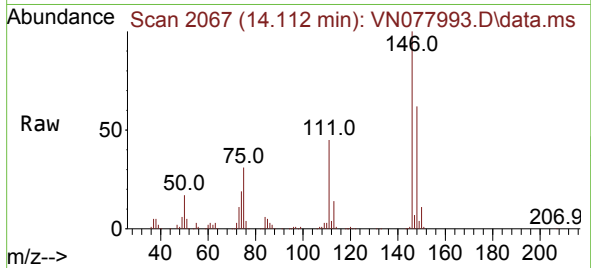




#91
1,2-Dichlorobenzene
Concen: 58.610 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.001 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

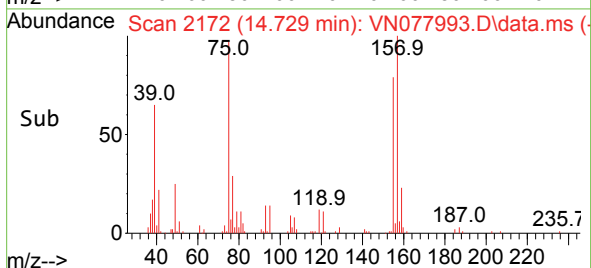
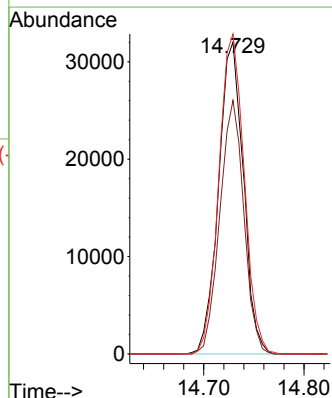
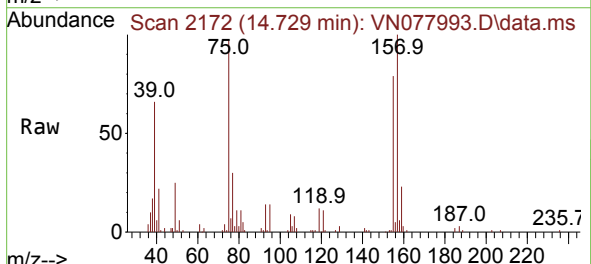
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MS

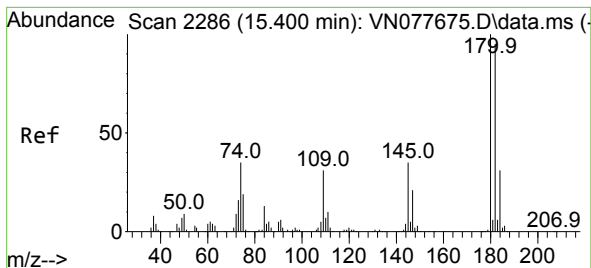
Tgt Ion:146 Resp: 457464
Ion Ratio Lower Upper
146 100
111 44.2 22.0 66.0
148 63.9 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.517 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN077993.D
Acq: 31 May 2023 15:20

Tgt Ion: 75 Resp: 54848
Ion Ratio Lower Upper
75 100
155 78.6 39.1 117.2
157 104.8 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 38.400 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077993.D

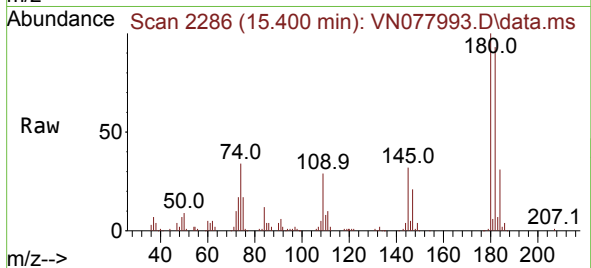
Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS



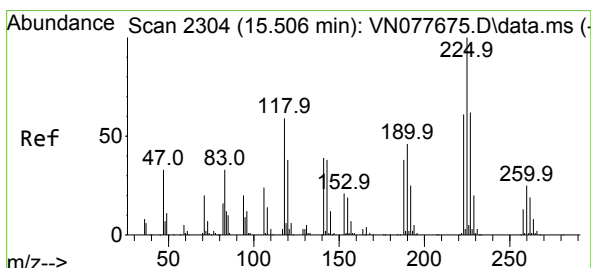
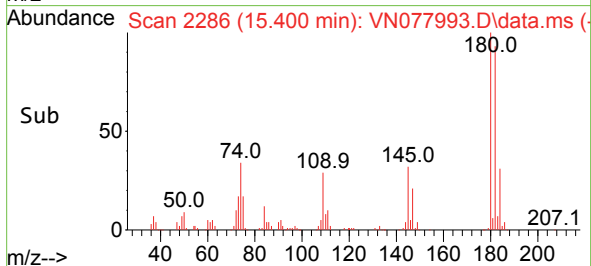
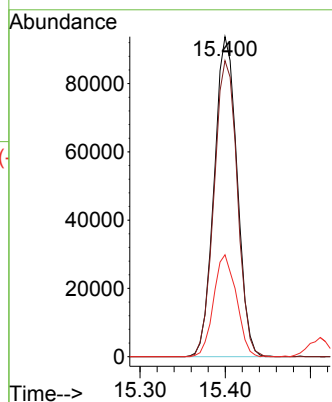
Tgt Ion:180 Resp: 175150

Ion Ratio Lower Upper

180 100

182 94.0 46.1 138.2

145 31.6 16.6 49.8



#94

Hexachlorobutadiene

Concen: 42.092 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.005 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

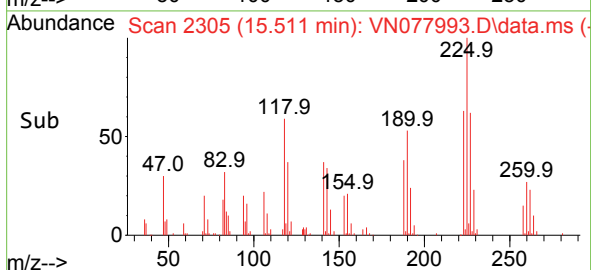
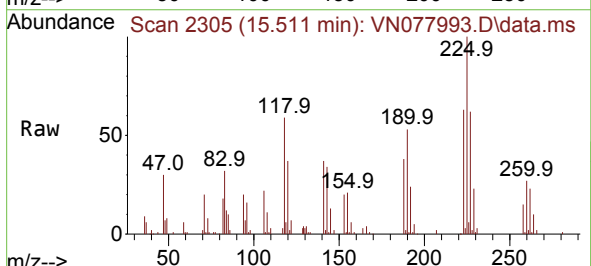
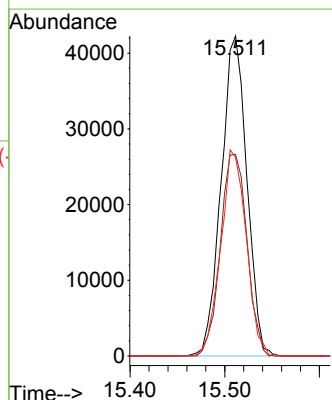
Tgt Ion:225 Resp: 79714

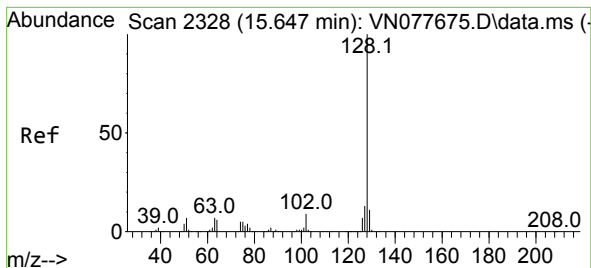
Ion Ratio Lower Upper

225 100

223 65.1 31.3 93.8

227 64.0 31.9 95.9





#95

Naphthalene

Concen: 33.410 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MS

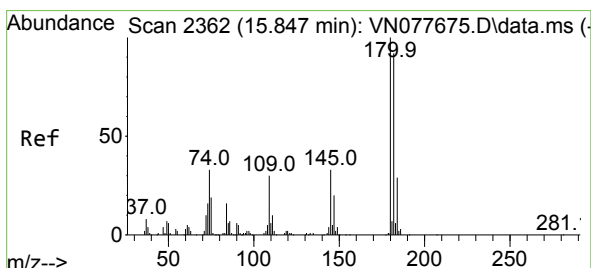
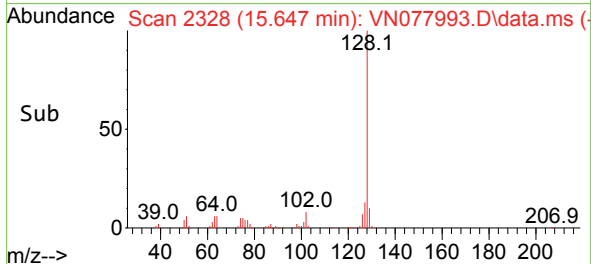
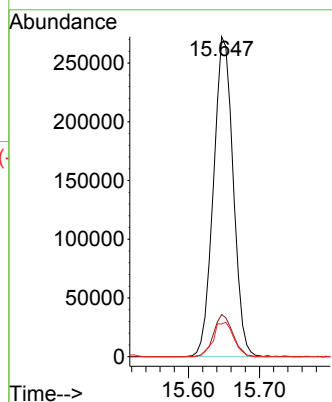
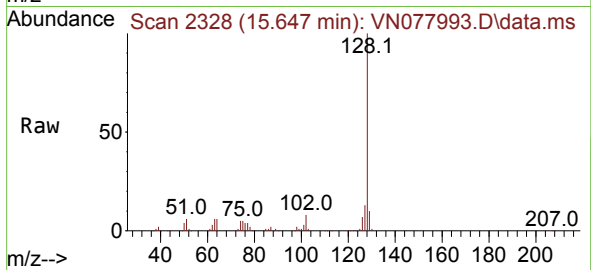
Tgt Ion:128 Resp: 524529

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 11.2 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 40.473 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN077993.D

Acq: 31 May 2023 15:20

Tgt Ion:180 Resp: 180748

Ion Ratio Lower Upper

180 100

182 97.2 46.2 138.6

145 34.0 17.5 52.6

