

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077994.D
 Acq On : 31 May 2023 15:43
 Operator : JC\MD
 Sample : 02973-09MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 01 01:53:22 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	8.235	168	318763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	572588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	506554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	213149	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	255692	53.610	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.220%	
35) Dibromofluoromethane	8.177	113	216168	57.895	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.800%	
50) Toluene-d8	10.576	98	802705	55.854	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.700%	
62) 4-Bromofluorobenzene	12.853	95	270998	53.391	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.780%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.136	85	176645	48.693	ug/l	98
3) Chloromethane	2.371	50	201746	52.543	ug/l	95
4) Vinyl Chloride	2.524	62	260979	57.060	ug/l	99
5) Bromomethane	2.953	94	195902	57.912	ug/l	93
6) Chloroethane	3.124	64	186566	56.600	ug/l	96
7) Trichlorofluoromethane	3.506	101	369956	58.040	ug/l	99
8) Diethyl Ether	3.971	74	131346	56.444	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	203352	57.648	ug/l	99
10) Methyl Iodide	4.594	142	276048	65.618	ug/l	99
11) Tert butyl alcohol	5.530	59	168994	256.737	ug/l	99
12) 1,1-Dichloroethene	4.353	96	197905	59.029	ug/l	95
13) Acrolein	4.189	56	110097	271.306	ug/l	96
14) Allyl chloride	5.036	41	281129	57.079	ug/l	95
15) Acrylonitrile	5.730	53	484174	275.324	ug/l	99
16) Acetone	4.436	43	385034	256.595	ug/l	92
17) Carbon Disulfide	4.718	76	471157	52.156	ug/l	97
18) Methyl Acetate	5.036	43	320053	50.842	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	696768	57.416	ug/l	97
20) Methylene Chloride	5.288	84	236765	61.058	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	221059	58.698	ug/l	90
22) Diisopropyl ether	6.683	45	661645	57.313	ug/l	95
23) Vinyl Acetate	6.612	43	1712515	239.422	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	418965	59.238	ug/l	98
25) 2-Butanone	7.494	43	609215	259.537	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	297837	49.567	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	269169	59.608	ug/l	93
28) Bromochloromethane	7.824	49	161107	52.671	ug/l	90
29) Tetrahydrofuran	7.847	42	394275	256.522	ug/l	86
30) Chloroform	7.977	83	461165	59.274	ug/l	93
31) Cyclohexane	8.271	56	337342	52.040	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	408556	61.765	ug/l	98
36) 1,1-Dichloropropene	8.377	75	333750	61.112	ug/l	98
37) Ethyl Acetate	7.571	43	236668	48.621	ug/l #	94
38) Carbon Tetrachloride	8.371	117	358067	64.930	ug/l	97
39) Methylcyclohexane	9.606	83	366272	54.782	ug/l	94
40) Benzene	8.612	78	990397	61.455	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	138193	53.309	ug/l	94
42) 1,2-Dichloroethane	8.677	62	340246	58.120	ug/l	98
43) Isopropyl Acetate	8.694	43	419717	52.789	ug/l	97
44) Trichloroethene	9.359	130	262694	64.375	ug/l	96
45) 1,2-Dichloropropane	9.629	63	256543	62.408	ug/l	95
46) Dibromomethane	9.718	93	179884	61.154	ug/l	95
47) Bromodichloromethane	9.894	83	356931	63.381	ug/l	93
48) Methyl methacrylate	9.688	41	214087	56.793	ug/l	89
49) 1,4-Dioxane	9.700	88	89964	1263.573	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	1327407	280.870	ug/l	94
52) Toluene	10.635	92	639896	63.779	ug/l	98
53) t-1,3-Dichloropropene	10.847	75	364993	61.204	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	391113	59.513	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	250073	62.774	ug/l	93
56) Ethyl methacrylate	10.882	69	359065	59.612	ug/l	92
57) 1,3-Dichloropropane	11.170	76	416328	60.962	ug/l	99
59) 2-Hexanone	11.200	43	933384	267.011	ug/l	93
60) Dibromochloromethane	11.365	129	272503	66.261	ug/l	100
61) 1,2-Dibromoethane	11.476	107	252809	63.612	ug/l	99
64) Tetrachloroethene	11.112	164	241238	68.099	ug/l	96
65) Chlorobenzene	11.900	112	677771	61.719	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.970	131	257494	67.766	ug/l	99
67) Ethyl Benzene	11.970	91	1240594	63.040	ug/l	100
68) m/p-Xylenes	12.076	106	928114	124.467	ug/l	97
69) o-Xylene	12.406	106	468640	63.906	ug/l	99
70) Styrene	12.417	104	736397	63.213	ug/l	99
71) Bromoform	12.588	173	167820	66.392	ug/l #	98
73) Isopropylbenzene	12.700	105	1193228	64.943	ug/l	100
74) N-amyl acetate	12.500	43	327714	48.254	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	340213	60.189	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	402734	75.446	ug/l	77
77) Bromobenzene	12.988	156	265127	63.231	ug/l	96
78) n-propylbenzene	13.041	91	1347431	62.205	ug/l	100
79) 2-Chlorotoluene	13.135	91	821551	63.560	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	985368	63.810	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	89771	53.757	ug/l	90
82) 4-Chlorotoluene	13.229	91	770153	59.885	ug/l	97
83) tert-Butylbenzene	13.447	119	853853	63.338	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	985968	64.921	ug/l	99
85) sec-Butylbenzene	13.623	105	1146612	59.848	ug/l	99
86) p-Isopropyltoluene	13.735	119	946869	61.992	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	462097	59.593	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	447942	58.214	ug/l	99
89) n-Butylbenzene	14.064	91	742940	52.883	ug/l	98
90) Hexachloroethane	14.341	117	163589	65.196	ug/l	89
91) 1,2-Dichlorobenzene	14.111	146	452168	62.419	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	54083	49.422	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	178364	42.134	ug/l	93
94) Hexachlorobutadiene	15.511	225	83386	47.442	ug/l	98
95) Naphthalene	15.647	128	564179	38.720	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	193415	46.665	ug/l	98

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Response via : Initial Calibration

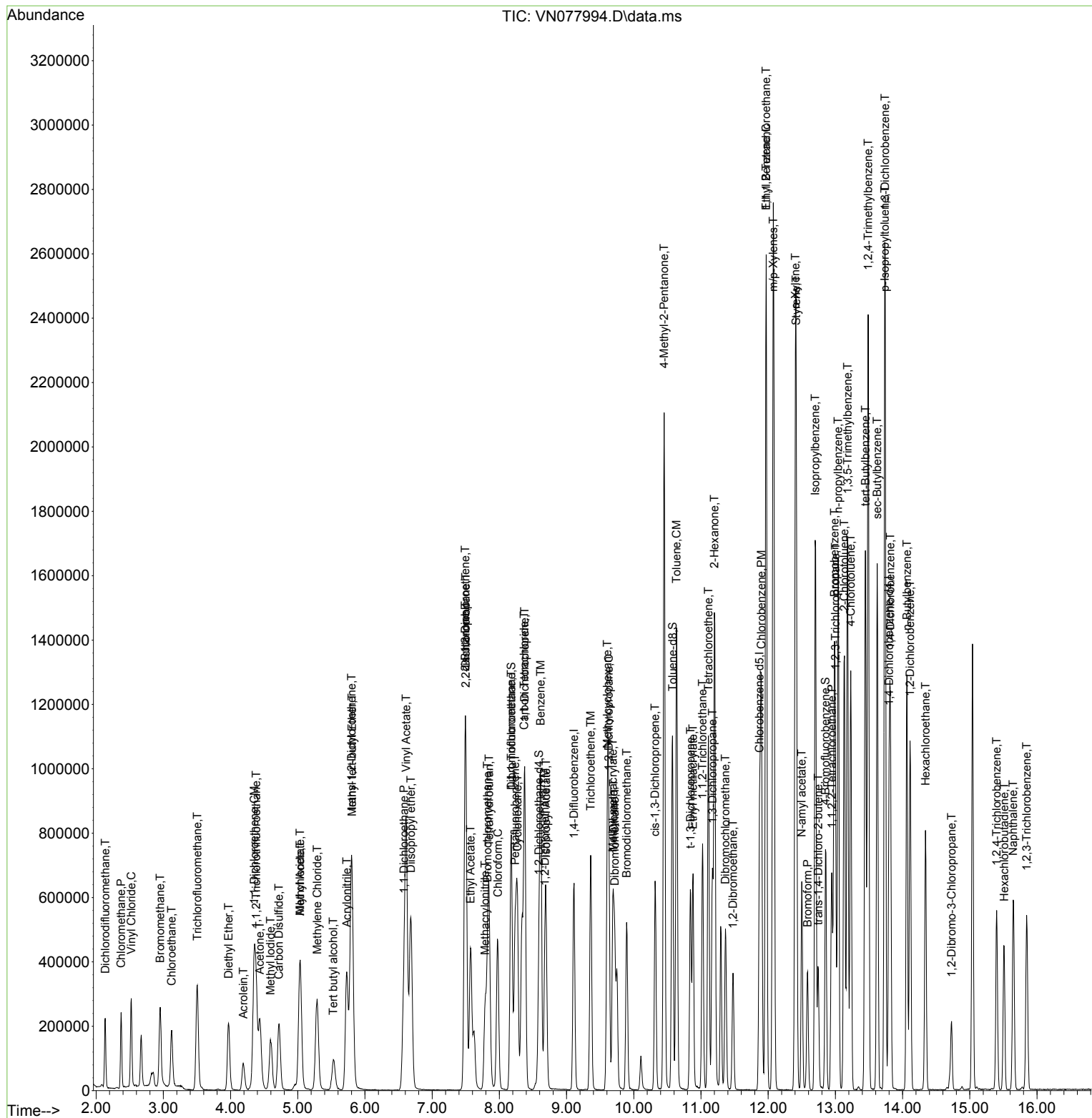
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

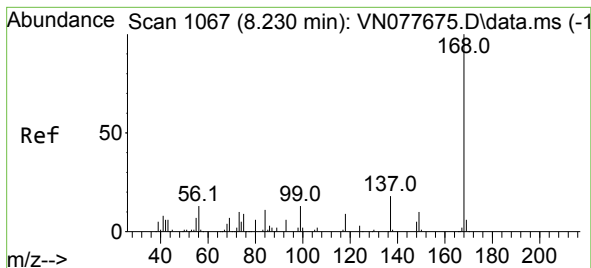
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

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MSVOA_N

ClientSampleId :

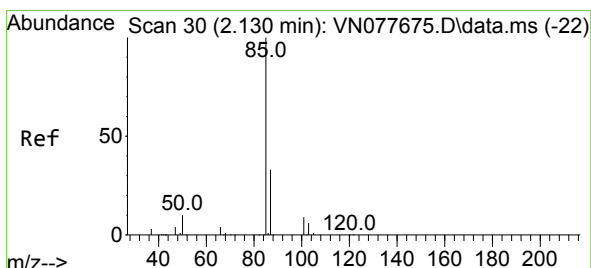
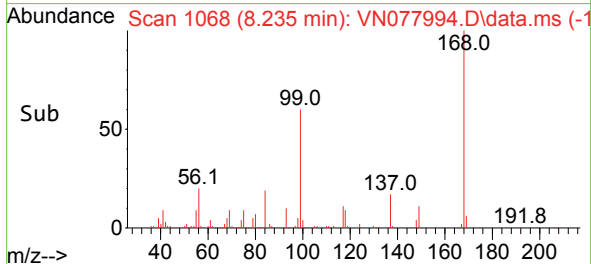
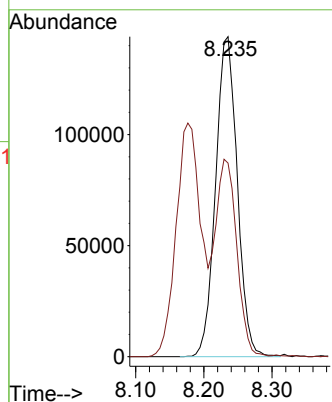
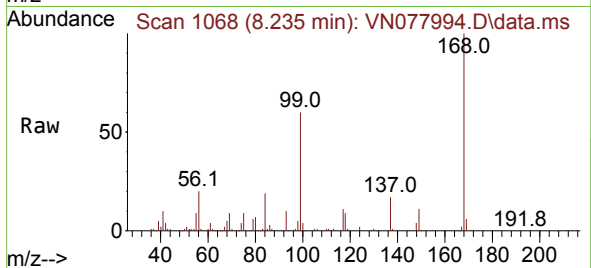
MH-140B-20230526MSD

Tgt Ion:168 Resp: 318763

Ion Ratio Lower Upper

168 100

99 60.2 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 48.693 ug/l

RT: 2.136 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN077994.D

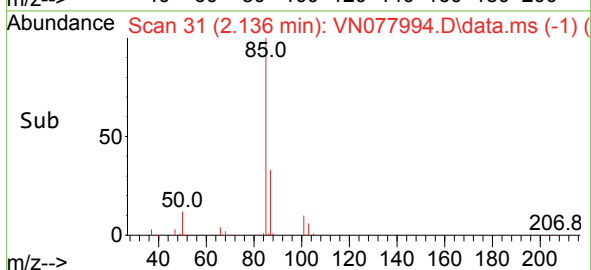
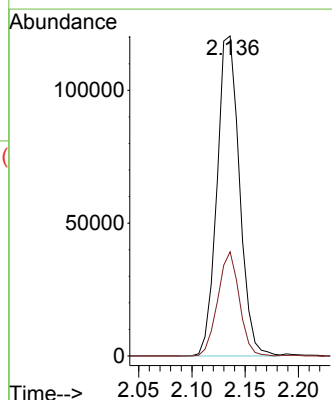
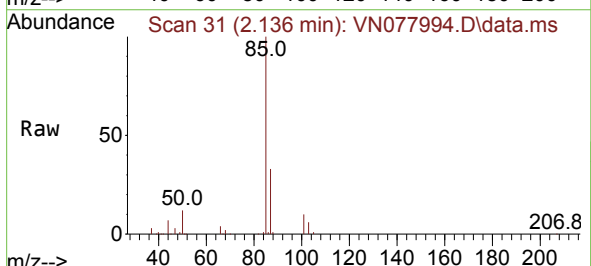
Acq: 31 May 2023 15:43

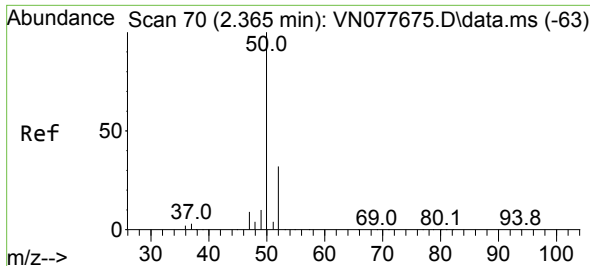
Tgt Ion: 85 Resp: 176645

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.4

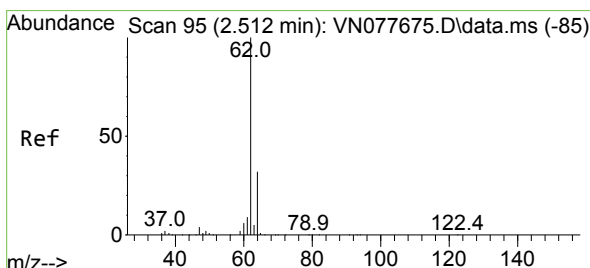
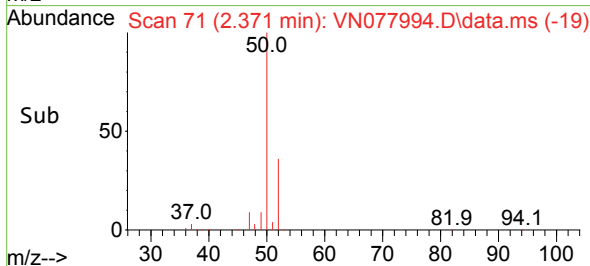
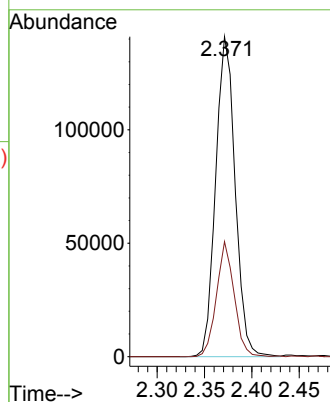
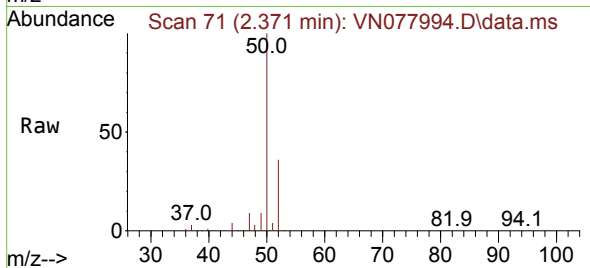




#3
Chloromethane
Concen: 52.543 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077994.D
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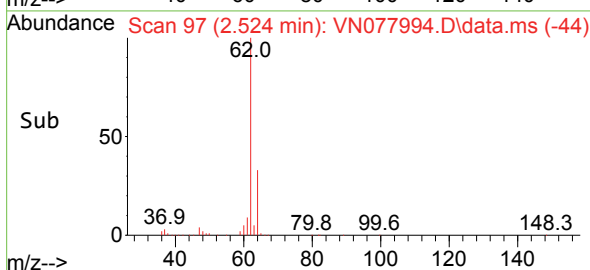
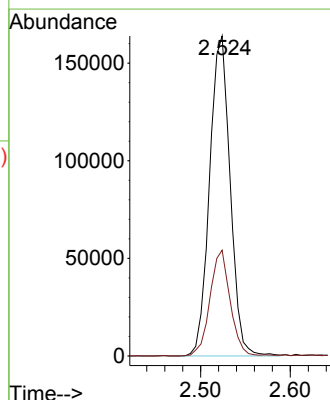
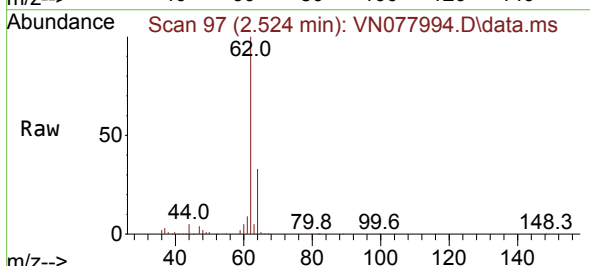
Instrument :
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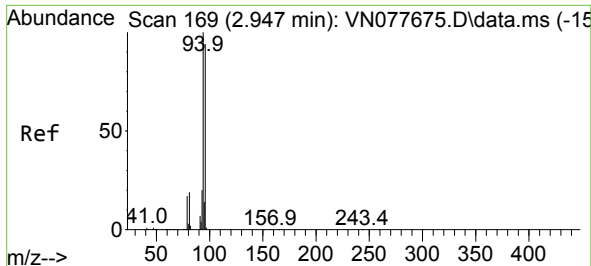
Tgt Ion: 50 Resp: 201746
Ion Ratio Lower Upper
50 100
52 36.0 26.5 39.7



#4
Vinyl Chloride
Concen: 57.060 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.012 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 62 Resp: 260979
Ion Ratio Lower Upper
62 100
64 33.1 26.2 39.2

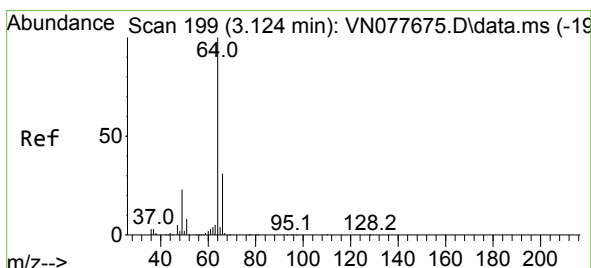
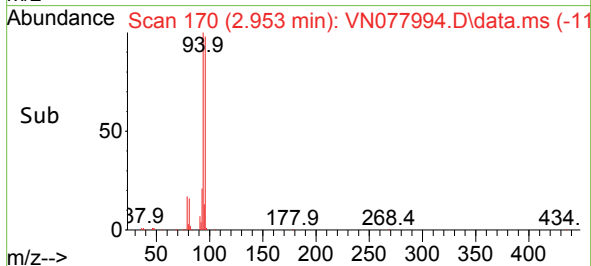
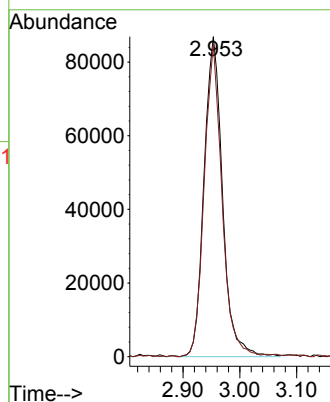
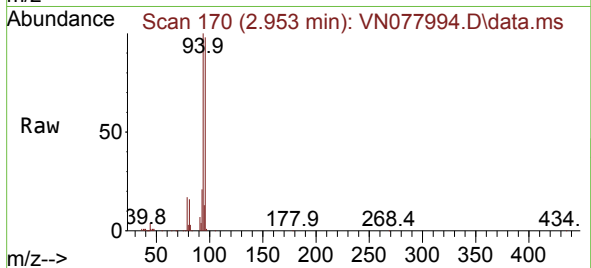




#5
Bromomethane
Concen: 57.912 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077994.D
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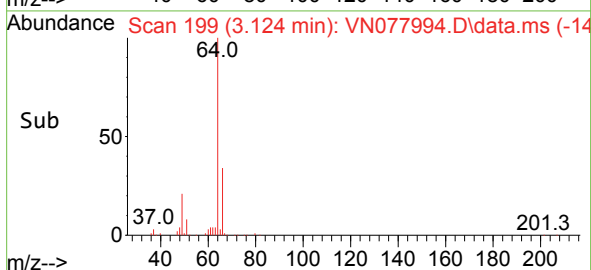
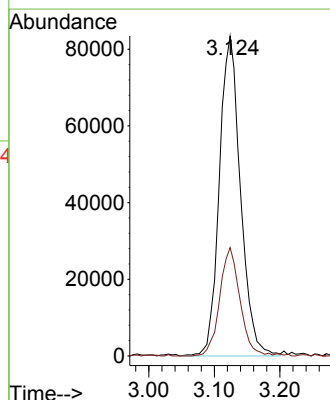
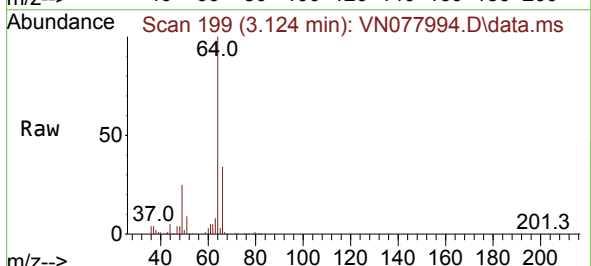
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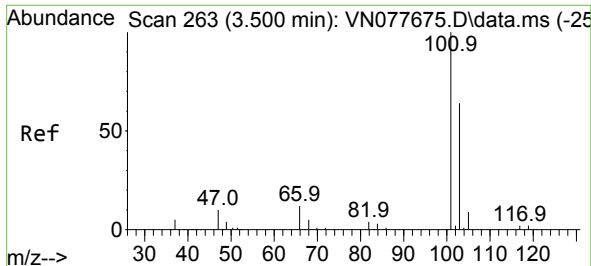
Tgt Ion: 94 Resp: 195902
Ion Ratio Lower Upper
94 100
96 97.8 73.1 109.7



#6
Chloroethane
Concen: 56.600 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 64 Resp: 186566
Ion Ratio Lower Upper
64 100
66 33.9 25.4 38.2

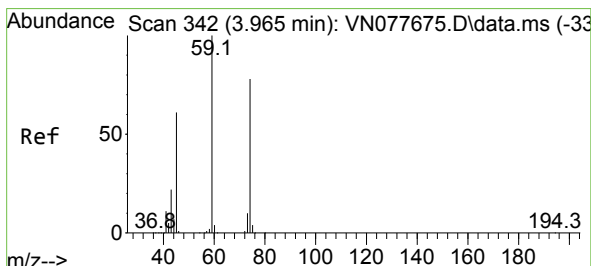
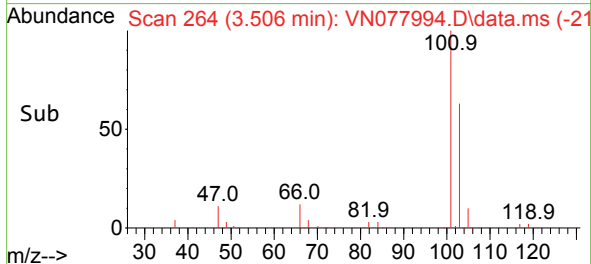
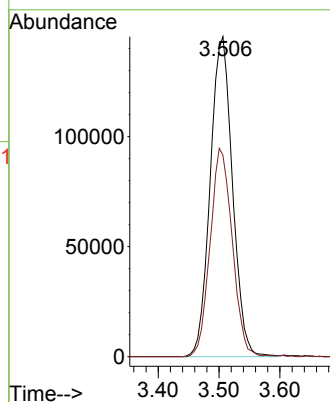
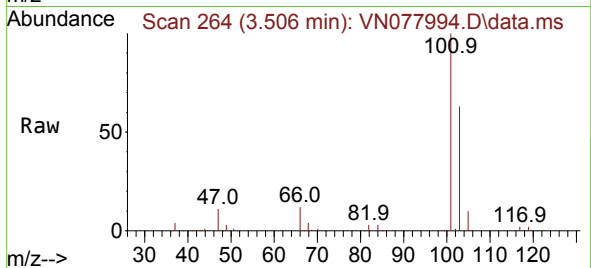




#7
Trichlorofluoromethane
Concen: 58.040 ug/l
RT: 3.506 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

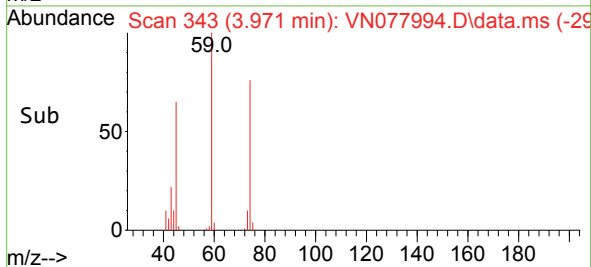
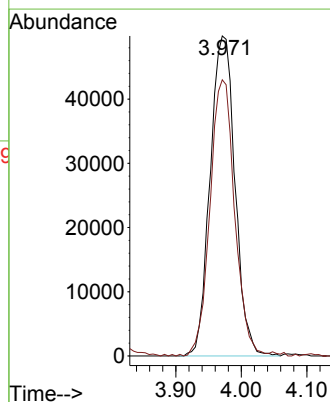
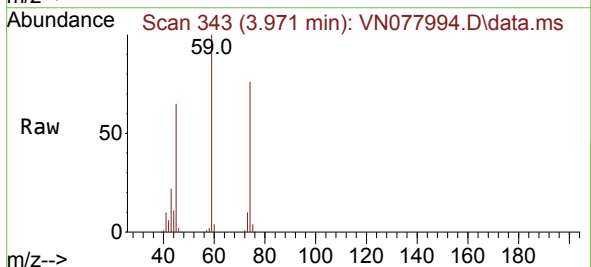
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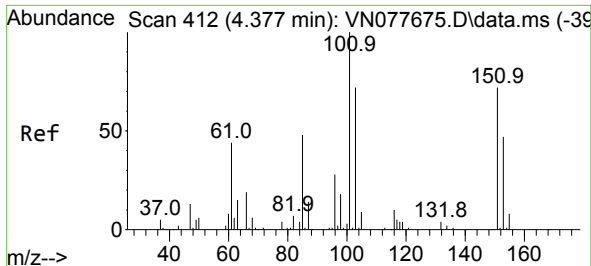
Tgt Ion:101 Resp: 369956
Ion Ratio Lower Upper
101 100
103 62.9 50.7 76.1



#8
Diethyl Ether
Concen: 56.444 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.006 min
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Acq: 31 May 2023 15:43

Tgt Ion: 74 Resp: 131346
Ion Ratio Lower Upper
74 100
45 85.5 34.4 103.3

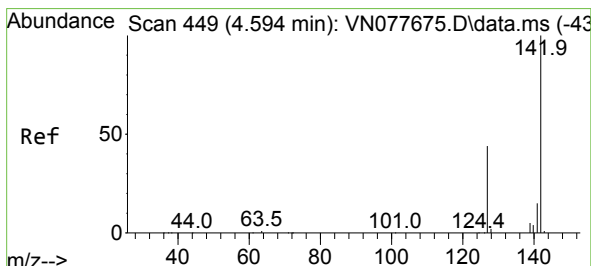
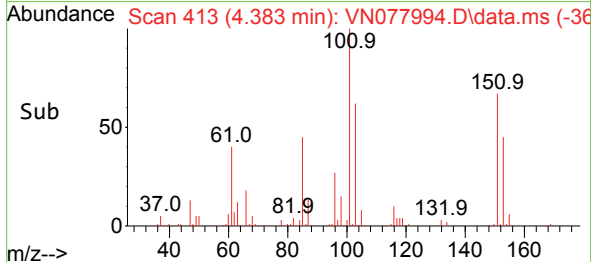
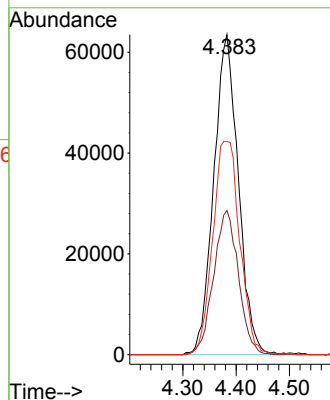
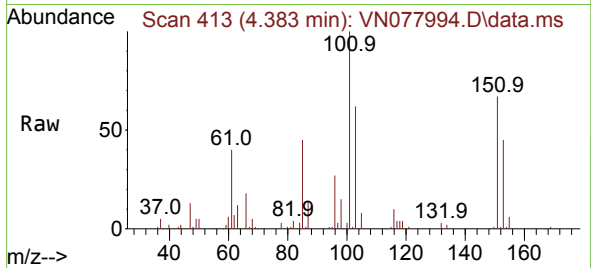




#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.648 ug/l
RT: 4.383 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

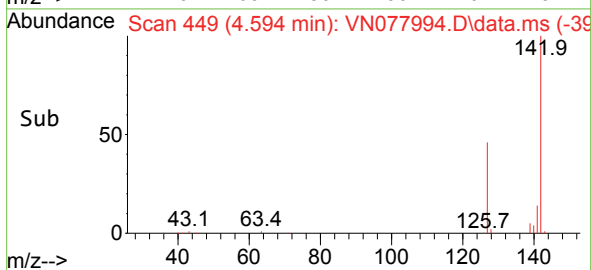
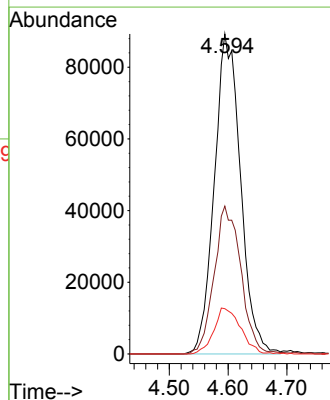
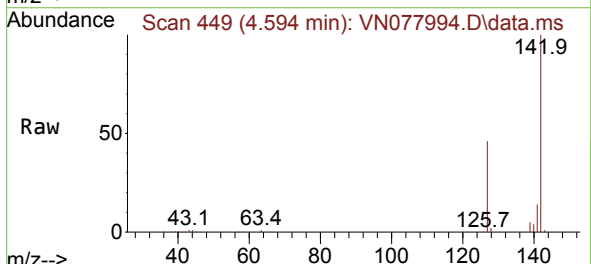
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

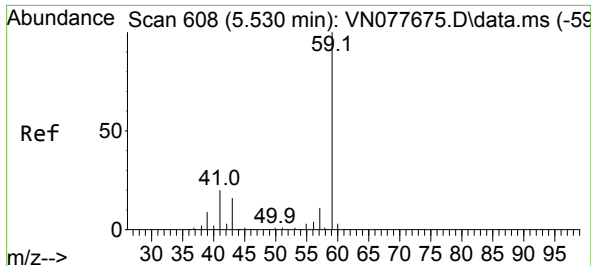
Tgt Ion:101 Resp: 203352
Ion Ratio Lower Upper
101 100
85 45.6 36.6 55.0
151 73.3 57.6 86.4



#10
Methyl Iodide
Concen: 65.618 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion:142 Resp: 276048
Ion Ratio Lower Upper
142 100
127 46.2 37.6 56.4
141 14.2 11.4 17.0

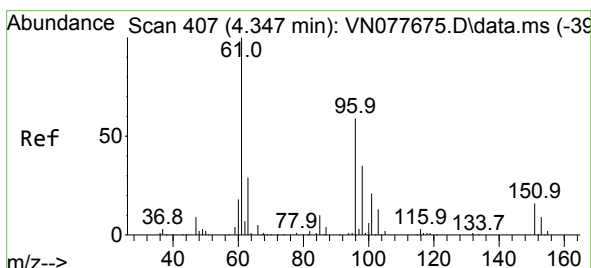
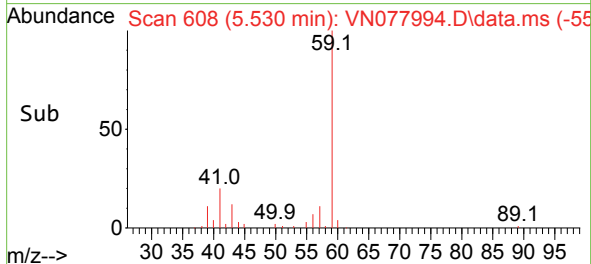
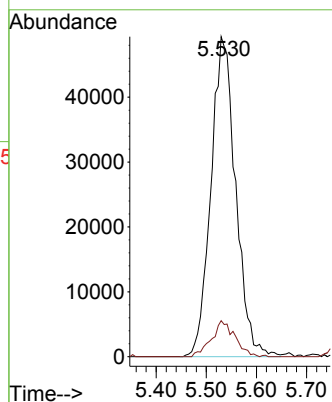
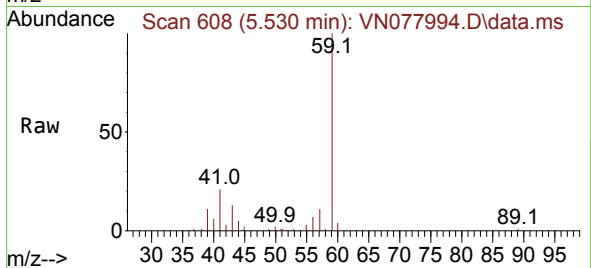




#11
Tert butyl alcohol
Concen: 256.737 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

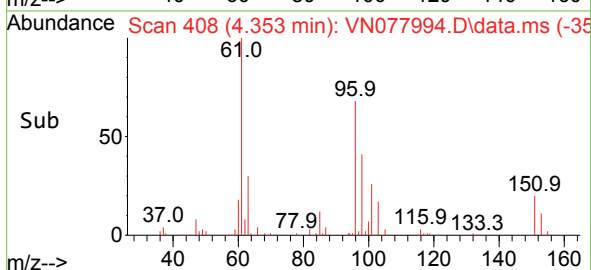
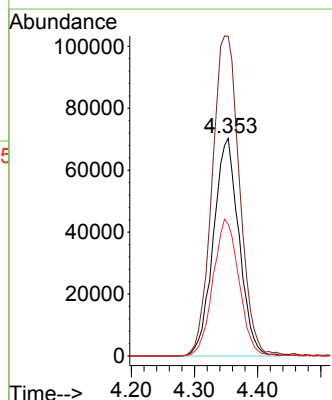
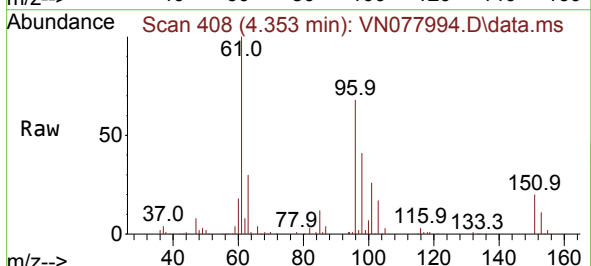
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

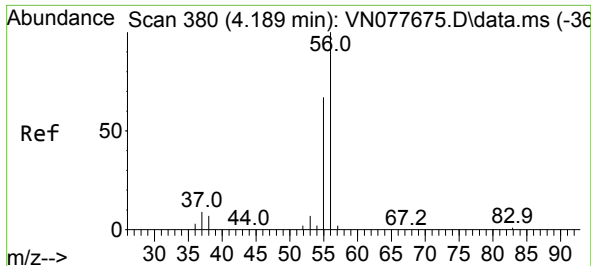
Tgt Ion: 59 Resp: 168994
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4



#12
1,1-Dichloroethene
Concen: 59.029 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 96 Resp: 197905
Ion Ratio Lower Upper
96 100
61 146.9 112.7 169.1
98 60.6 51.2 76.8

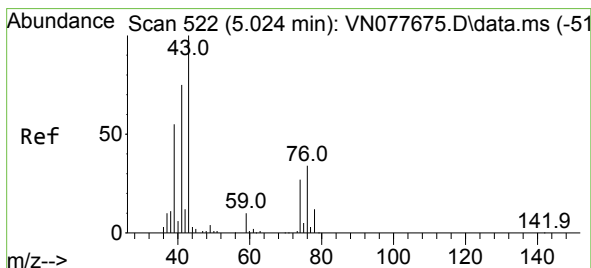
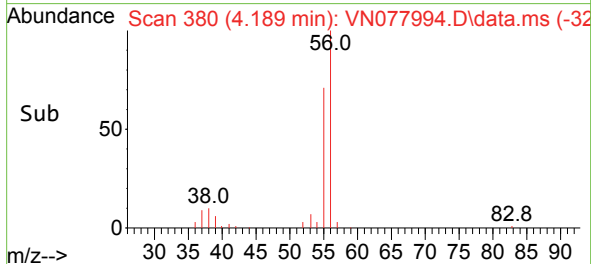
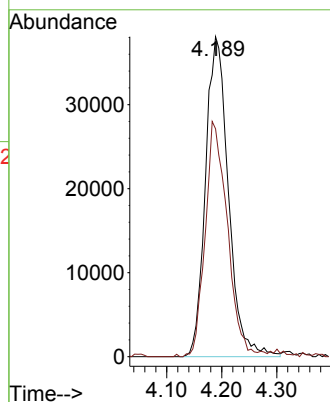
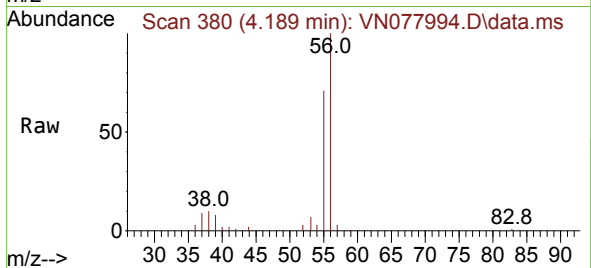




#13
Acrolein
Concen: 271.306 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

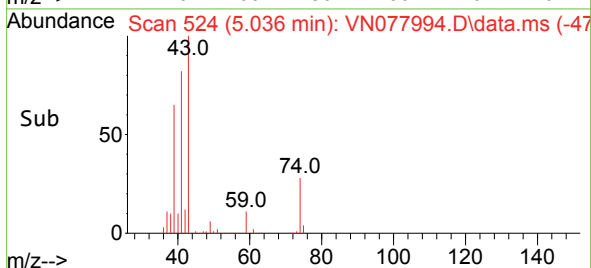
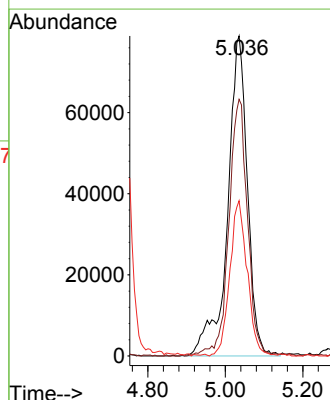
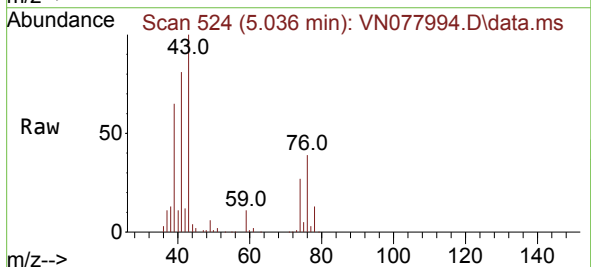
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

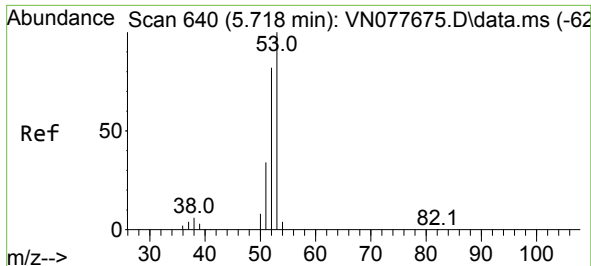
Tgt Ion: 56 Resp: 110097
Ion Ratio Lower Upper
56 100
55 70.9 54.5 81.7



#14
Allyl chloride
Concen: 57.079 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 41 Resp: 281129
Ion Ratio Lower Upper
41 100
39 75.4 58.8 88.2
76 42.5 39.1 58.7





#15

Acrylonitrile

Concen: 275.324 ug/l

RT: 5.730 min Scan# 64

Delta R.T. 0.012 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD

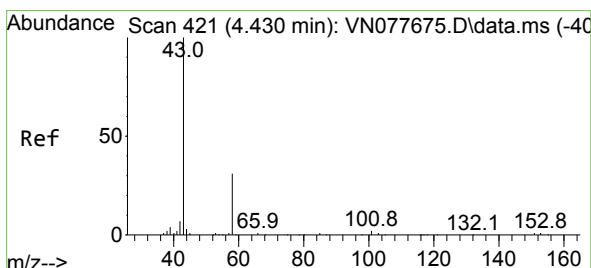
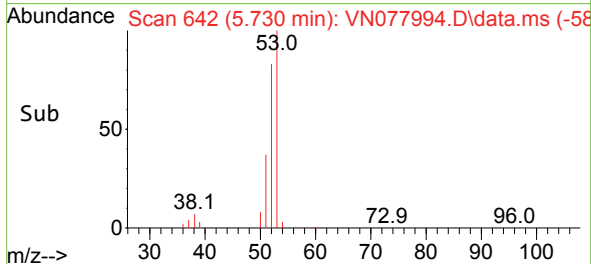
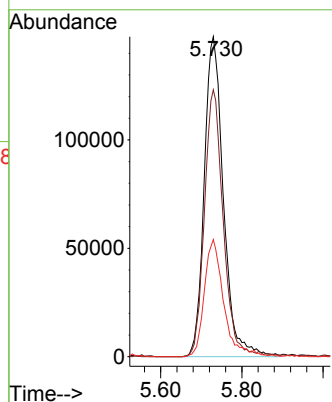
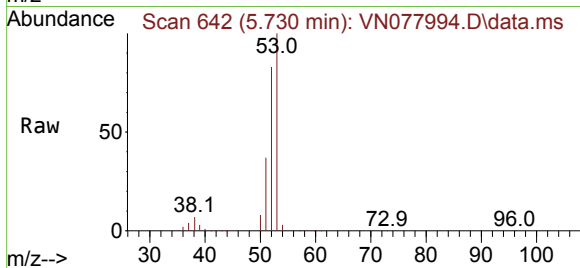
Tgt Ion: 53 Resp: 484174

Ion Ratio Lower Upper

53 100

52 81.1 65.3 97.9

51 36.9 28.9 43.3



#16

Acetone

Concen: 256.595 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN077994.D

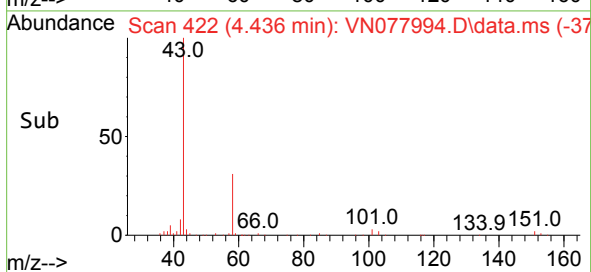
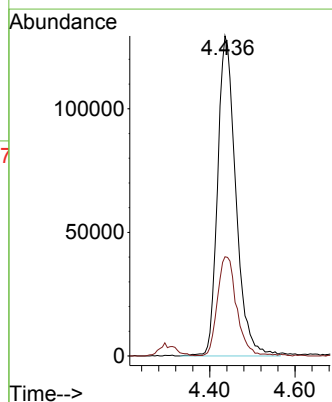
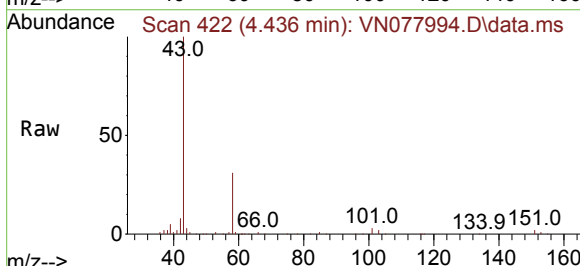
Acq: 31 May 2023 15:43

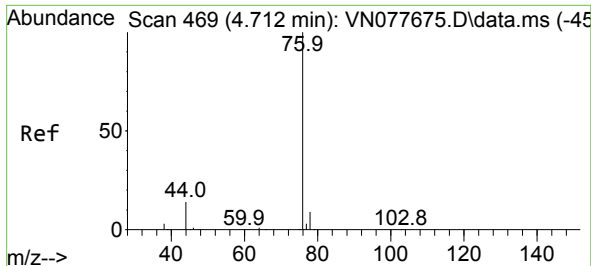
Tgt Ion: 43 Resp: 385034

Ion Ratio Lower Upper

43 100

58 30.5 28.0 42.0

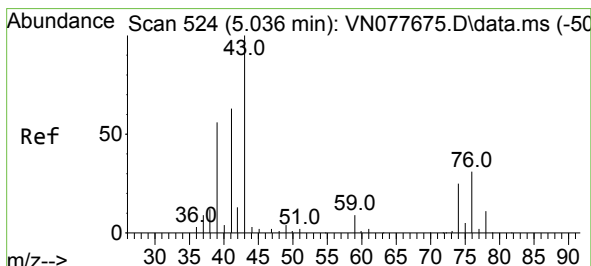
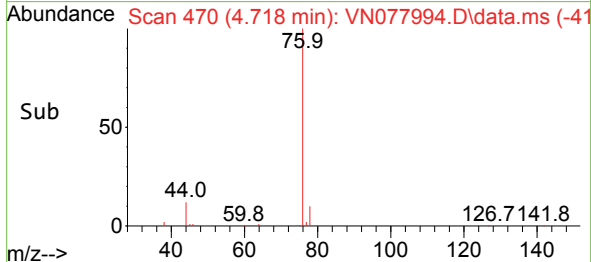
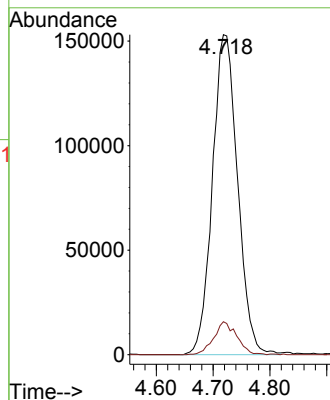
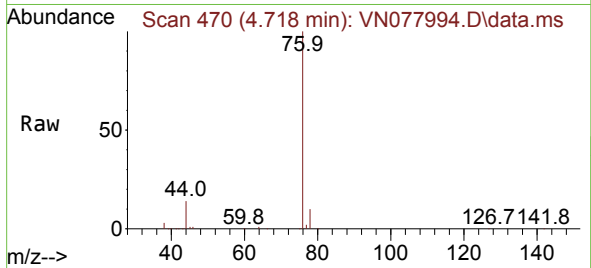




#17
Carbon Disulfide
Concen: 52.156 ug/l
RT: 4.718 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

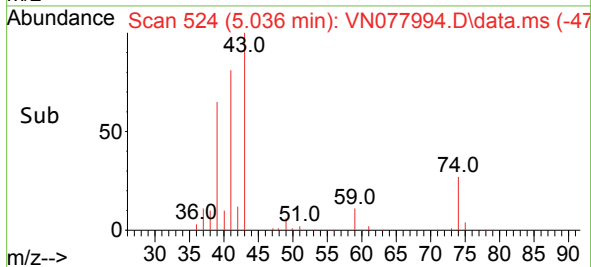
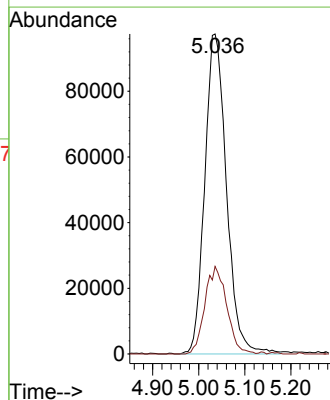
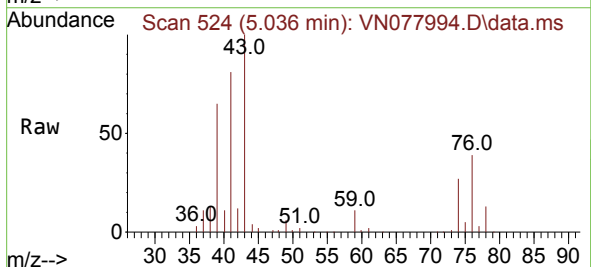
Instrument :
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ClientSampleId :
MH-140B-20230526MSD

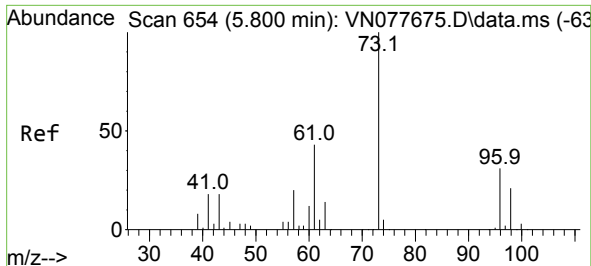
Tgt Ion: 76 Resp: 471157
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



#18
Methyl Acetate
Concen: 50.842 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 43 Resp: 320053
Ion Ratio Lower Upper
43 100
74 27.5 26.2 39.4

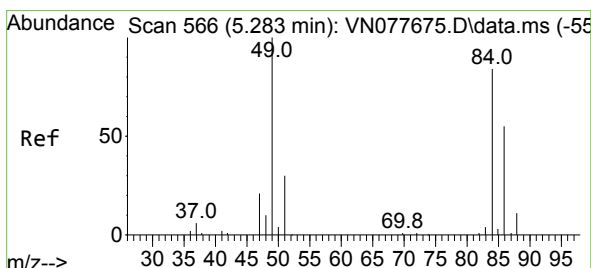
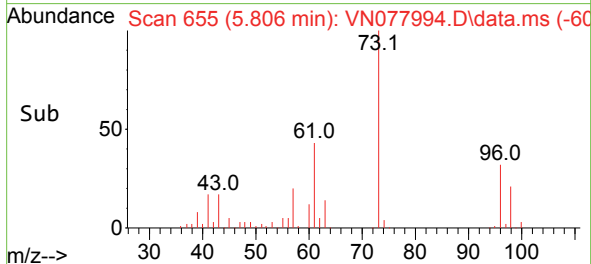
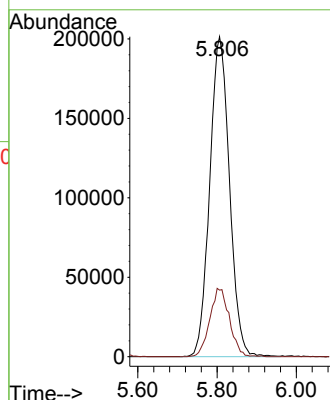
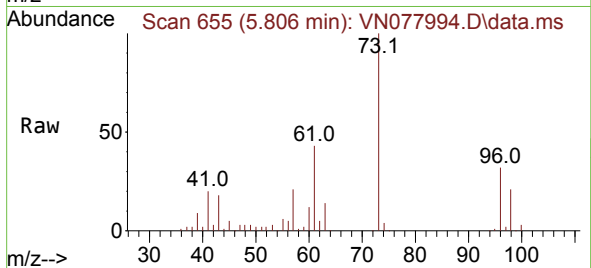




#19
Methyl tert-butyl Ether
Concen: 57.416 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

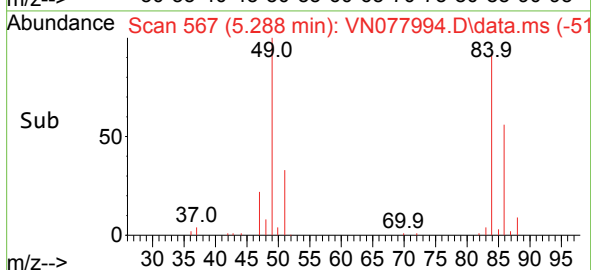
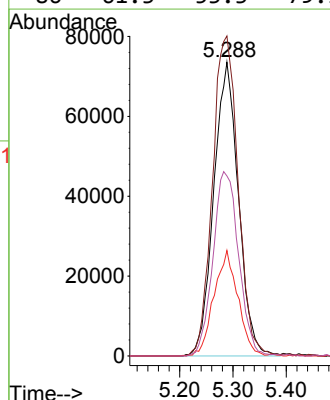
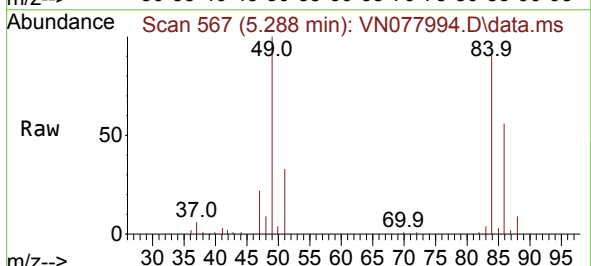
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

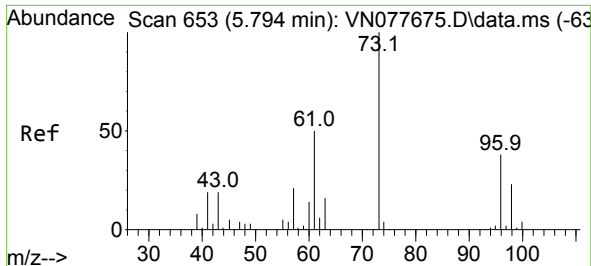
Tgt Ion: 73 Resp: 696768
Ion Ratio Lower Upper
73 100
57 20.8 15.6 23.4



#20
Methylene Chloride
Concen: 61.058 ug/l
RT: 5.288 min Scan# 567
Delta R.T. 0.005 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 84 Resp: 236765
Ion Ratio Lower Upper
84 100
49 109.0 79.7 119.5
51 35.9 25.2 37.8
86 61.3 53.3 79.9

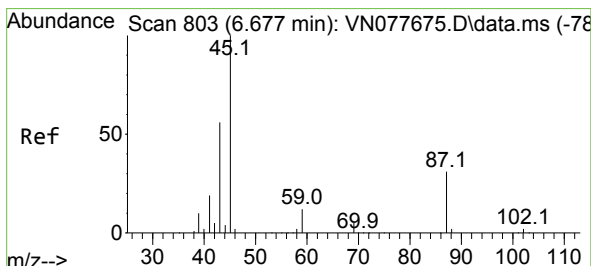
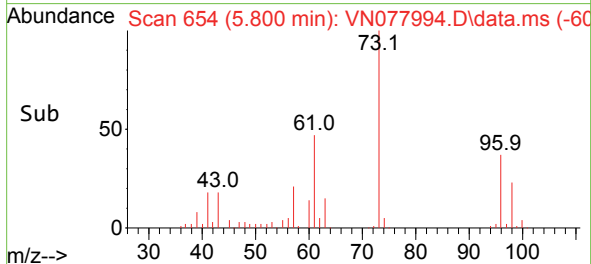
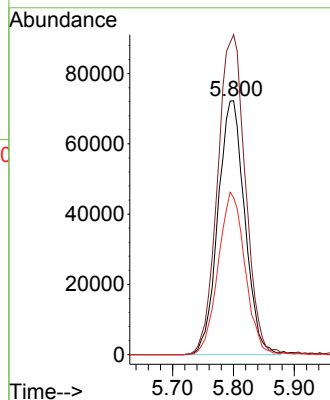
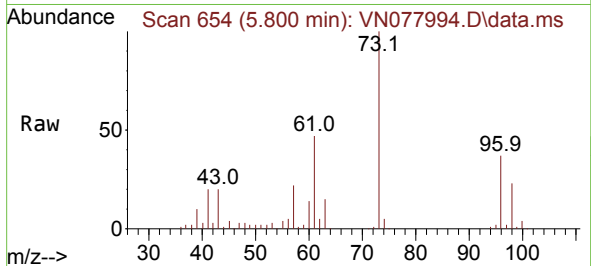




#21
trans-1,2-Dichloroethene
Concen: 58.698 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

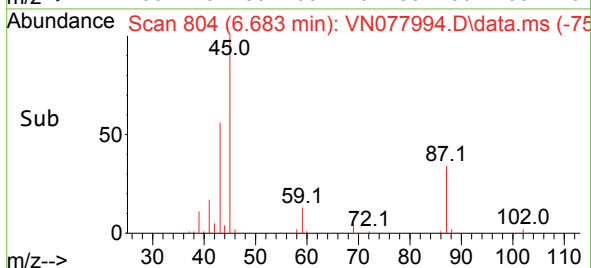
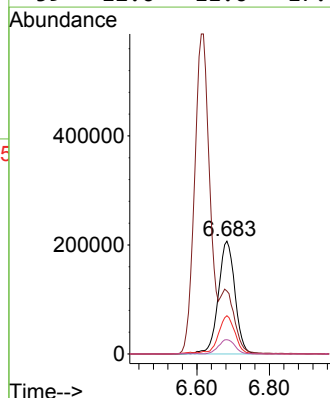
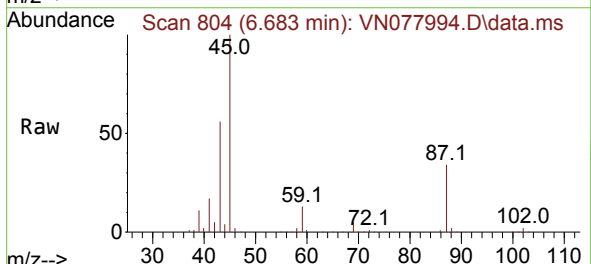
Instrument :
MSVOA_N
ClientSampleId :
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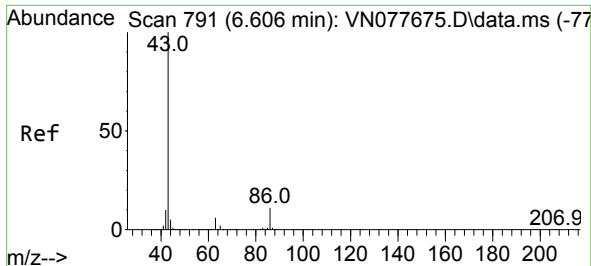
Tgt Ion: 96 Resp: 221059
Ion Ratio Lower Upper
96 100
61 126.0 90.1 135.1
98 61.9 46.4 69.6



#22
Diisopropyl ether
Concen: 57.313 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 45 Resp: 661645
Ion Ratio Lower Upper
45 100
43 55.1 45.5 68.3
87 33.8 31.8 47.8
59 12.6 11.6 17.4

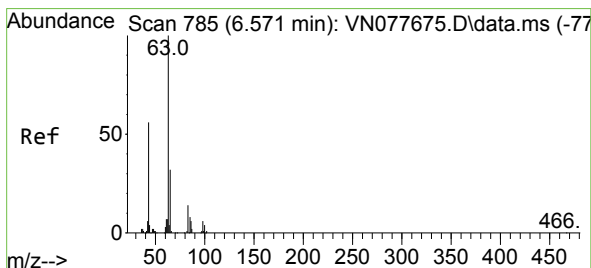
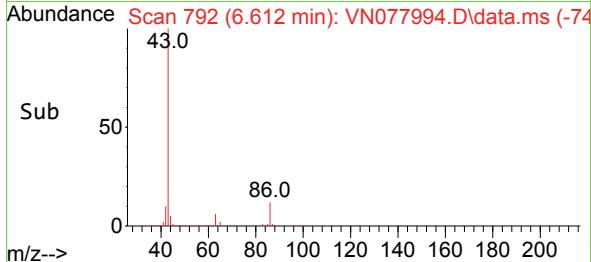
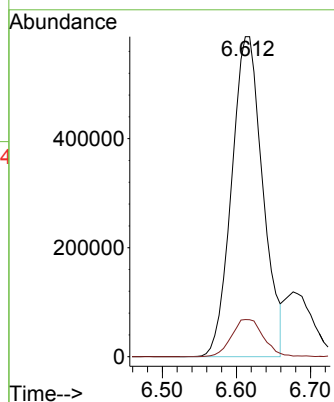
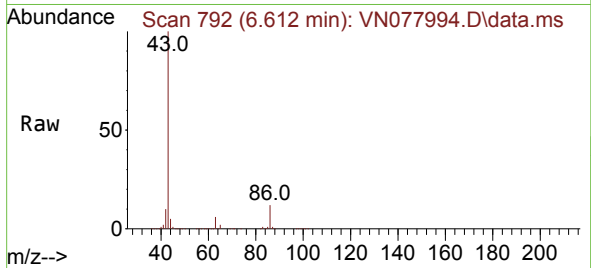




#23
 Vinyl Acetate
 Concen: 239.422 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN077994.D
 Acq: 31 May 2023 15:43

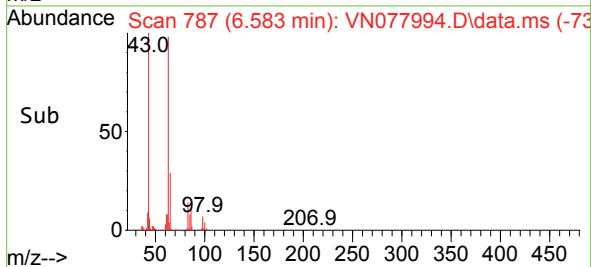
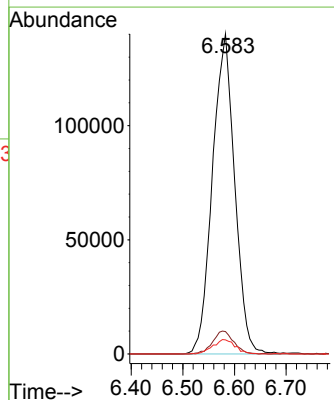
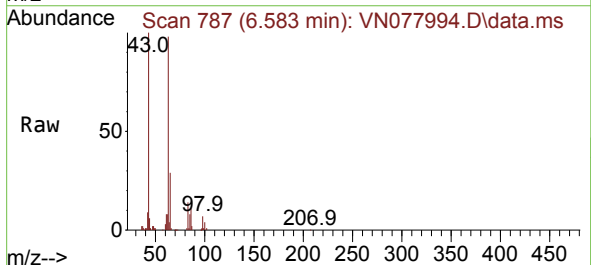
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MSD

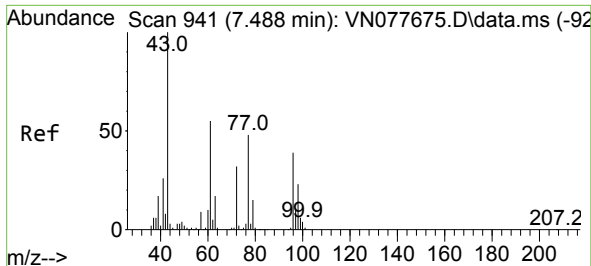
Tgt Ion: 43 Resp: 1712515
 Ion Ratio Lower Upper
 43 100
 86 11.6 13.0 19.6#



#24
 1,1-Dichloroethane
 Concen: 59.238 ug/l
 RT: 6.583 min Scan# 787
 Delta R.T. 0.012 min
 Lab File: VN077994.D
 Acq: 31 May 2023 15:43

Tgt Ion: 63 Resp: 418965
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.9 11.7
 100 4.4 2.5 7.4

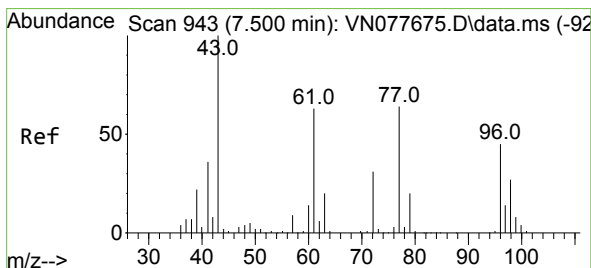
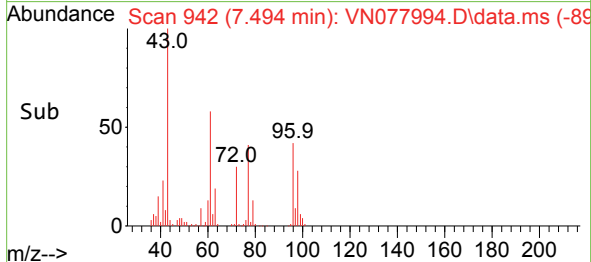
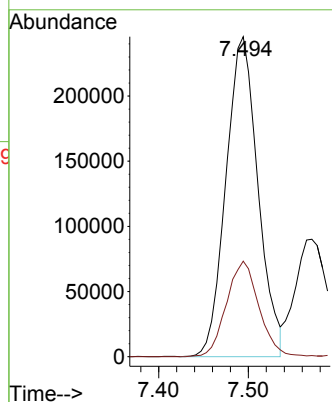
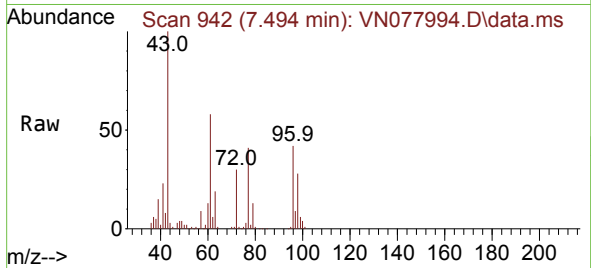




#25
2-Butanone
Concen: 259.537 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

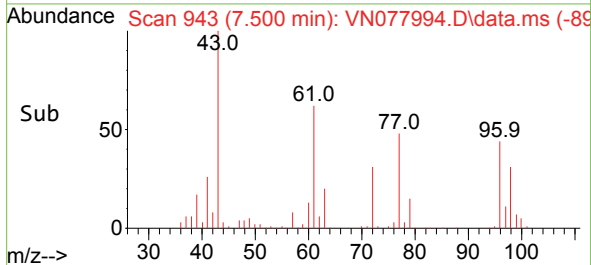
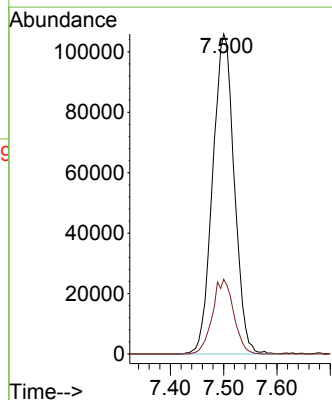
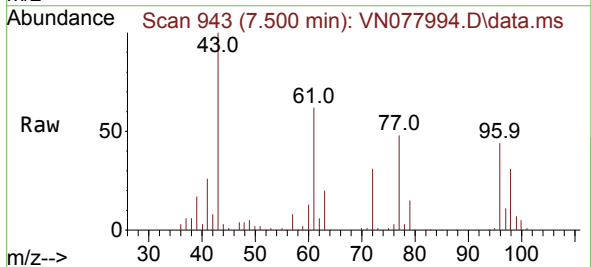
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ClientSampleId :
MH-140B-20230526MSD

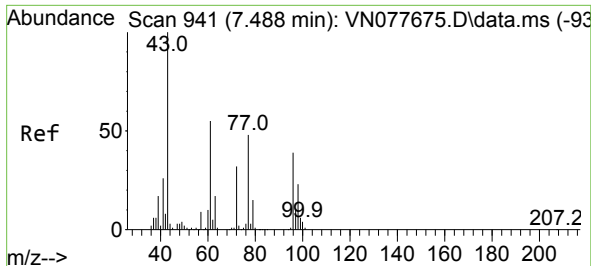
Tgt Ion: 43 Resp: 609215
Ion Ratio Lower Upper
43 100
72 29.8 30.2 45.2#



#26
2,2-Dichloropropane
Concen: 49.567 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 77 Resp: 297837
Ion Ratio Lower Upper
77 100
97 23.0 11.2 33.6

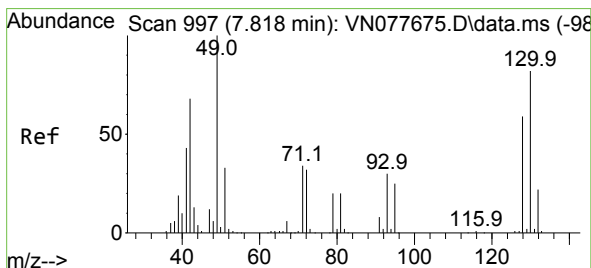
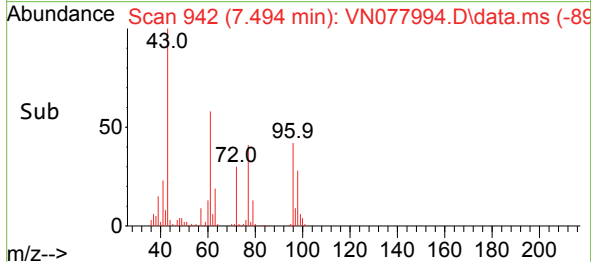
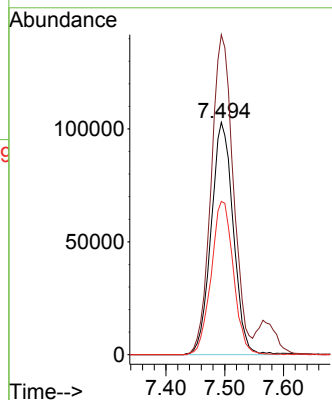
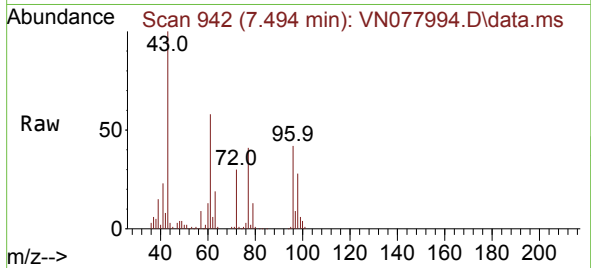




#27
cis-1,2-Dichloroethene
Concen: 59.608 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

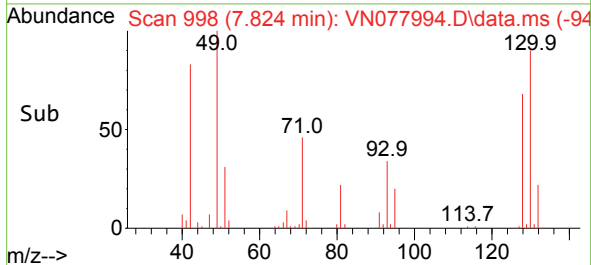
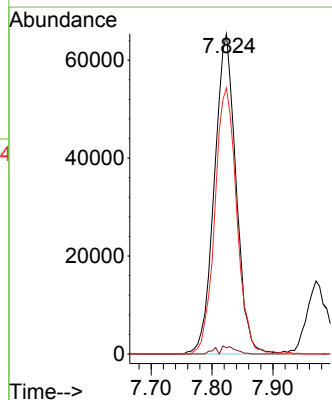
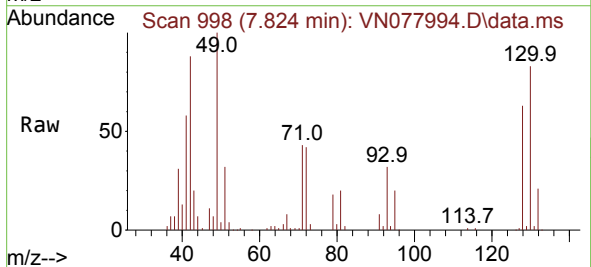
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

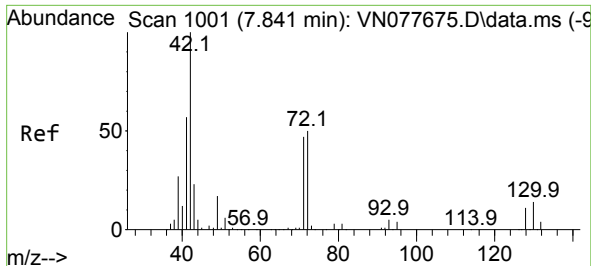
Tgt Ion: 96 Resp: 269169
Ion Ratio Lower Upper
96 100
61 138.2 0.0 255.2
98 66.3 0.0 128.8



#28
Bromochloromethane
Concen: 52.671 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 49 Resp: 161107
Ion Ratio Lower Upper
49 100
129 1.5 0.0 4.8
130 84.4 75.3 112.9





#29

Tetrahydrofuran

Concen: 256.522 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN077994.D

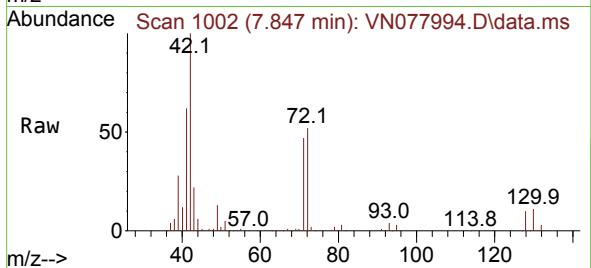
Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD



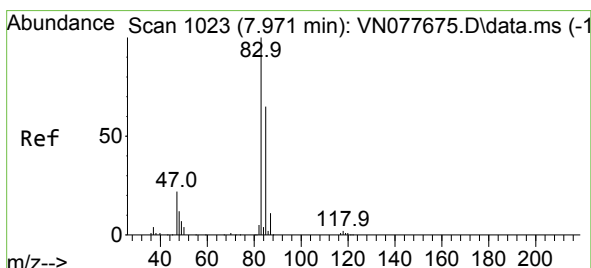
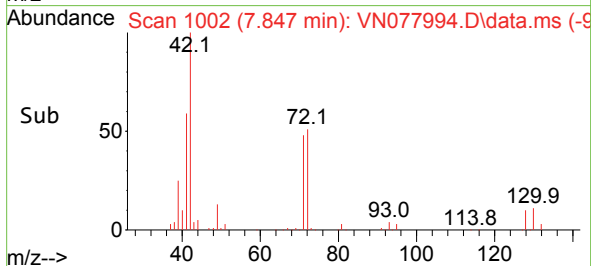
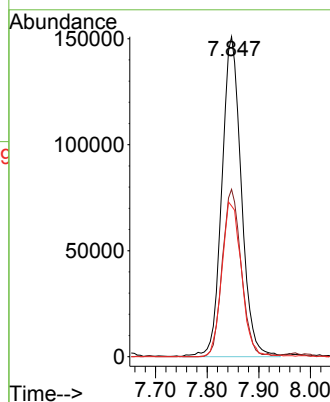
Tgt Ion: 42 Resp: 394275

Ion Ratio Lower Upper

42 100

72 51.0 49.8 74.6

71 49.1 47.4 71.2



#30

Chloroform

Concen: 59.274 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN077994.D

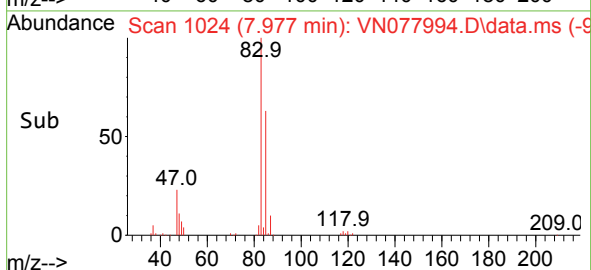
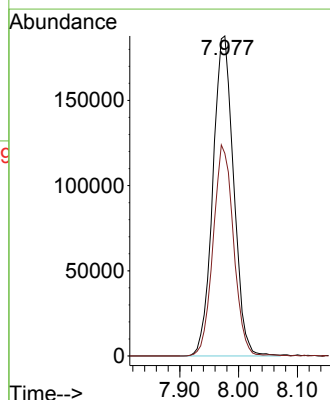
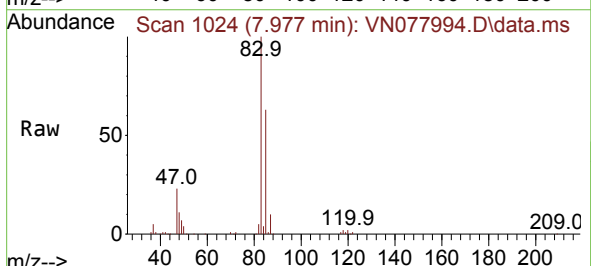
Acq: 31 May 2023 15:43

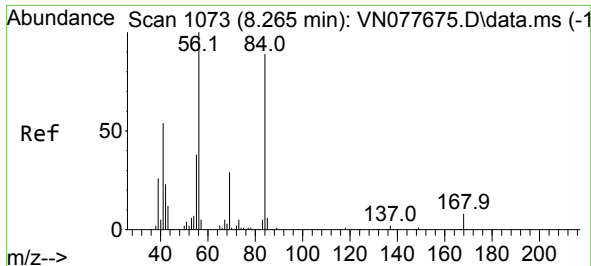
Tgt Ion: 83 Resp: 461165

Ion Ratio Lower Upper

83 100

85 63.3 55.4 83.0

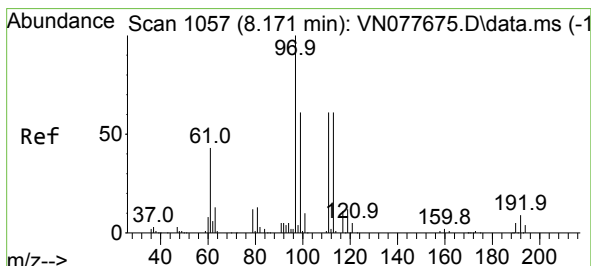
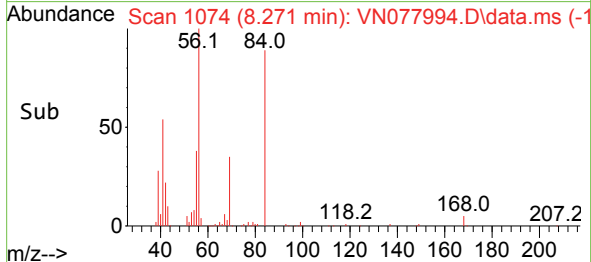
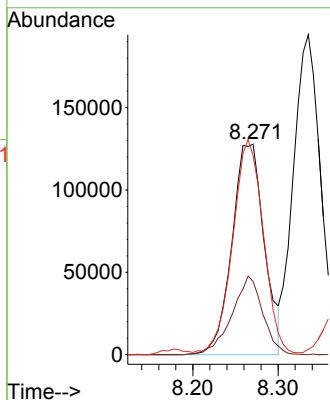
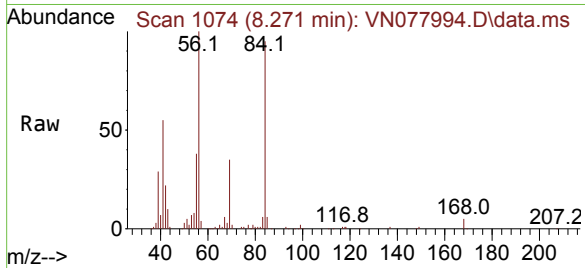




#31
Cyclohexane
Concen: 52.040 ug/l
RT: 8.271 min Scan# 1074
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

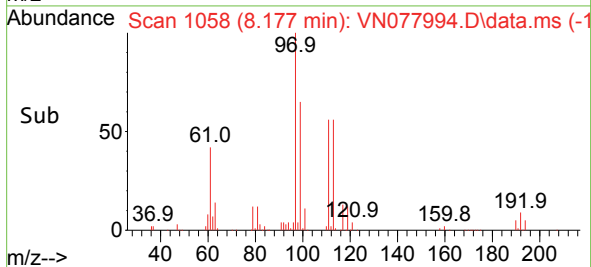
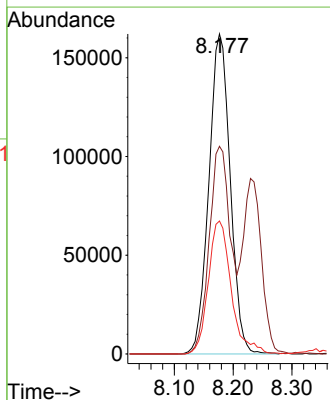
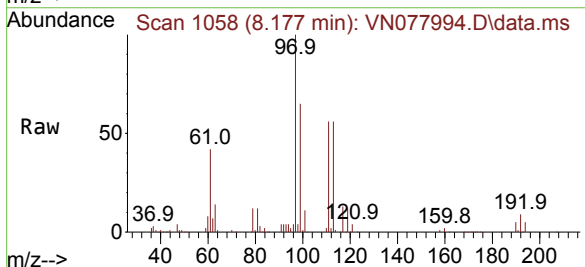
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

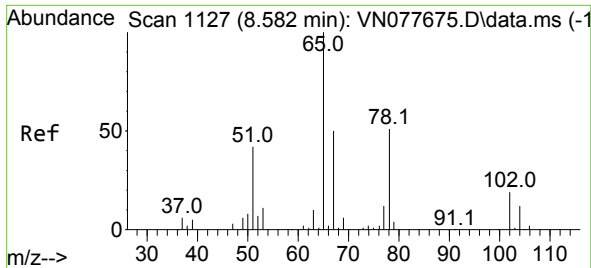
Tgt Ion: 56 Resp: 337342
Ion Ratio Lower Upper
56 100
69 34.8 26.8 40.2
84 92.1 81.8 122.6



#32
1,1,1-Trichloroethane
Concen: 61.765 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 97 Resp: 408556
Ion Ratio Lower Upper
97 100
99 64.6 50.3 75.5
61 44.7 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 53.610 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

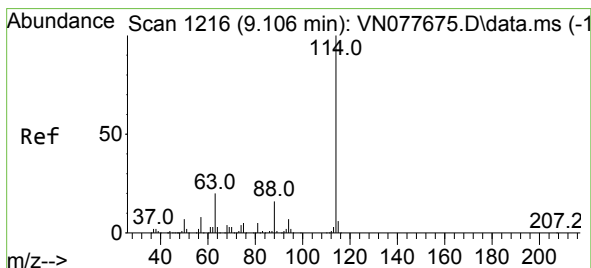
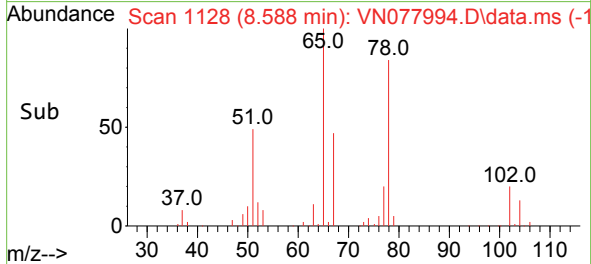
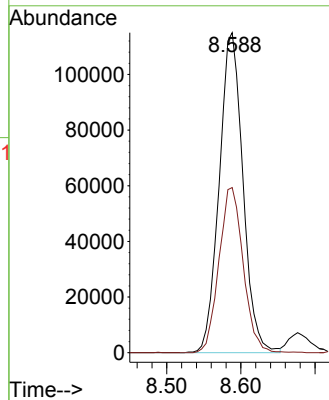
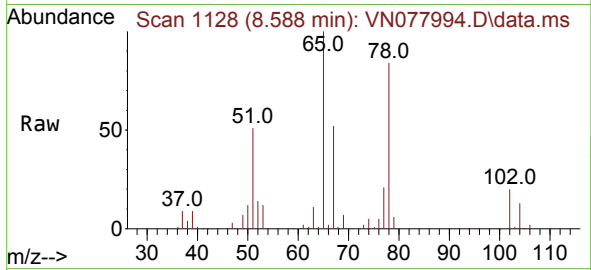
MH-140B-20230526MSD

Tgt Ion: 65 Resp: 255692

Ion Ratio Lower Upper

65 100

67 52.8 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: VN077994.D

Acq: 31 May 2023 15:43

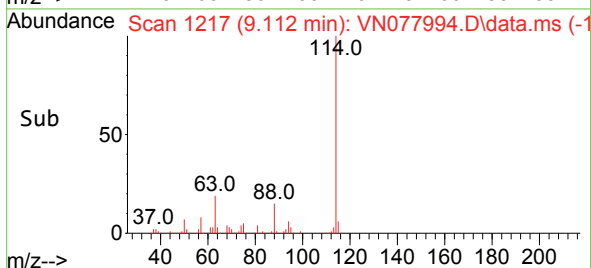
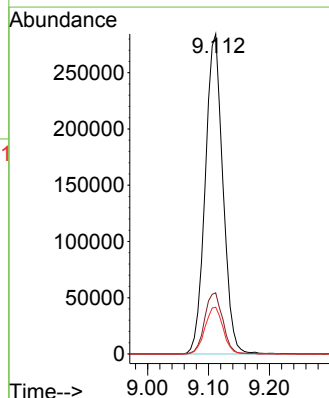
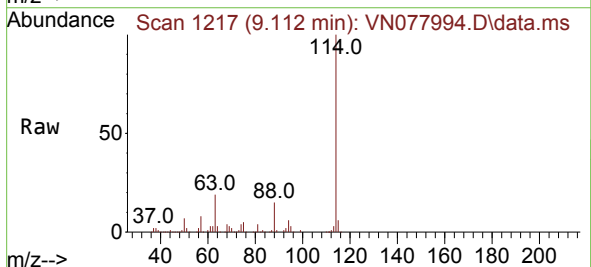
Tgt Ion: 114 Resp: 572588

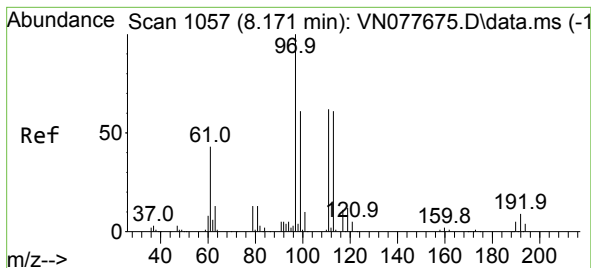
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 14.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 57.895 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD

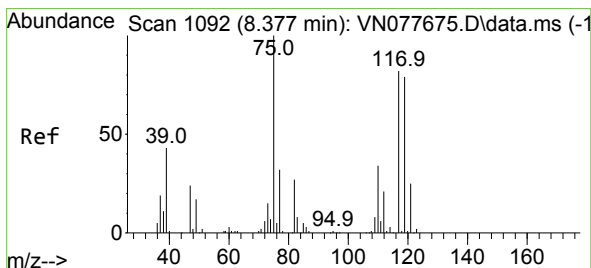
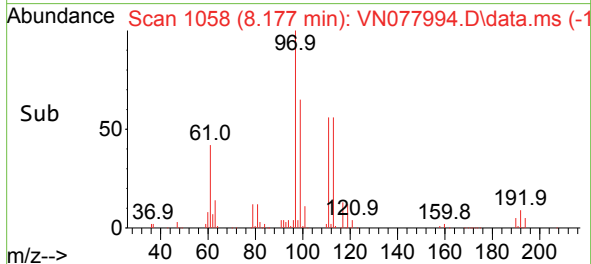
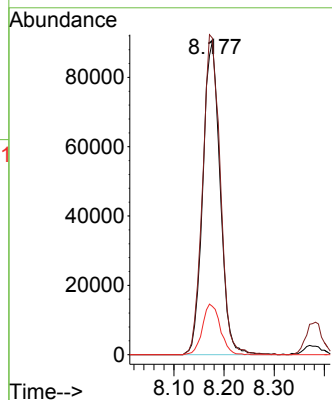
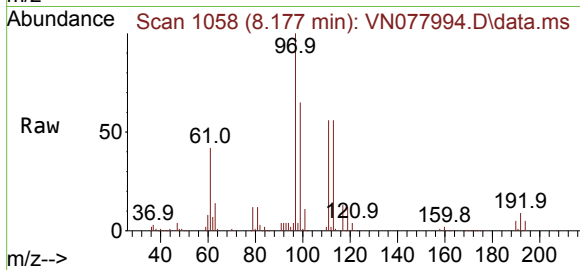
Tgt Ion:113 Resp: 216168

Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

192 16.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 61.112 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

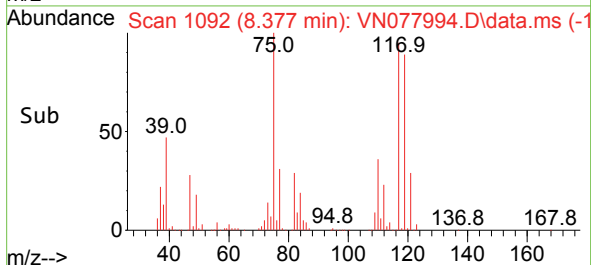
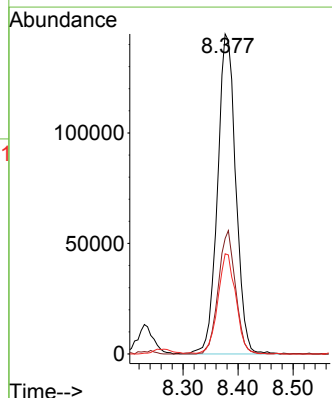
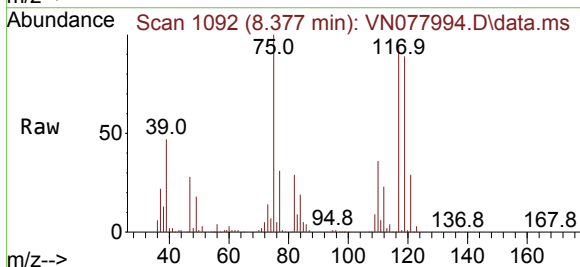
Tgt Ion: 75 Resp: 333750

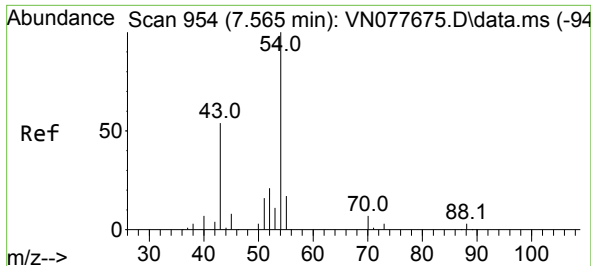
Ion Ratio Lower Upper

75 100

110 36.4 19.1 57.3

77 31.0 25.0 37.4

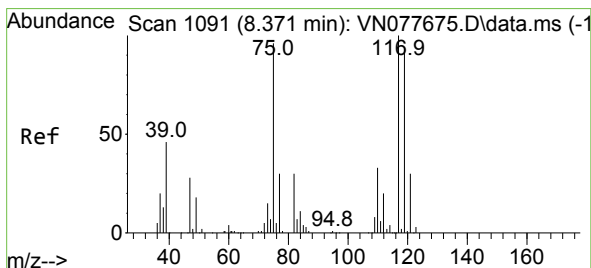
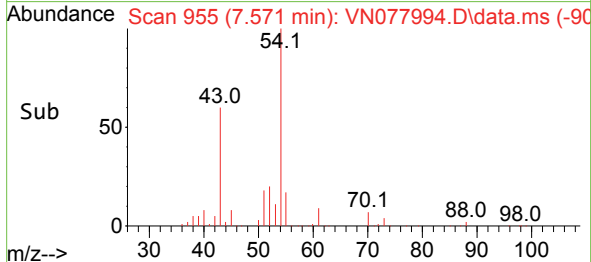
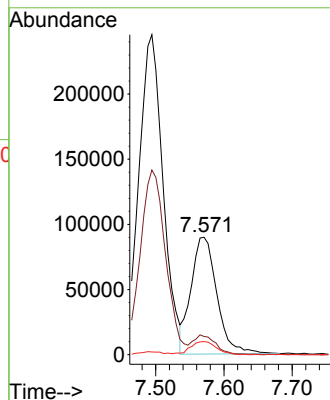
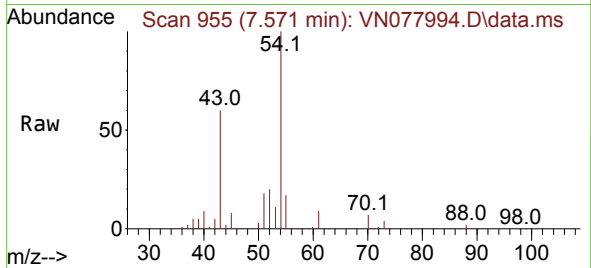




#37
Ethyl Acetate
Concen: 48.621 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

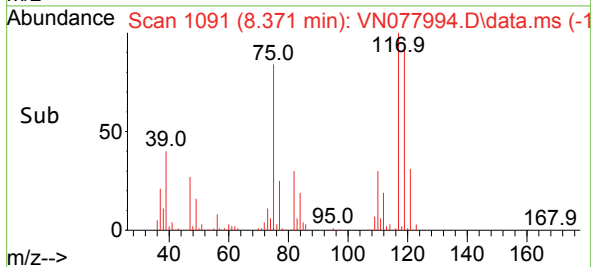
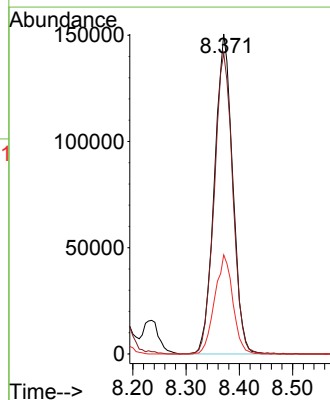
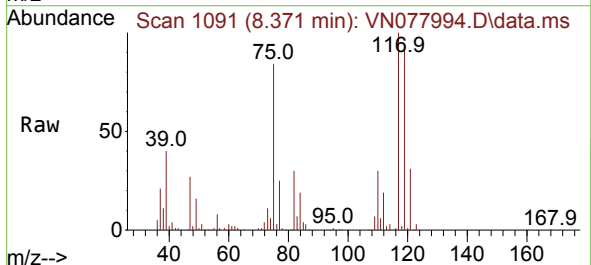
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

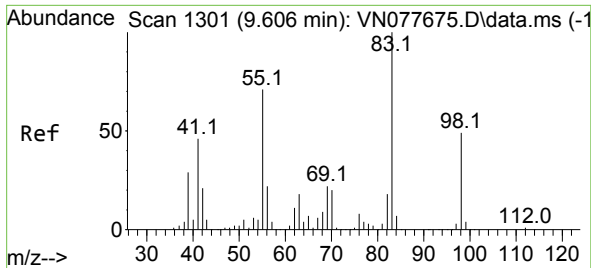
Tgt Ion: 43 Resp: 236668
Ion Ratio Lower Upper
43 100
61 14.7 13.2 19.8
70 11.3 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 64.930 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 117 Resp: 358067
Ion Ratio Lower Upper
117 100
119 94.0 77.3 115.9
121 30.9 23.3 34.9

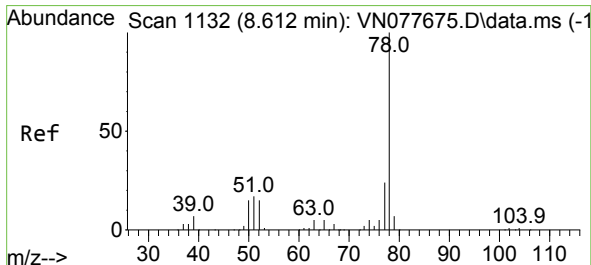
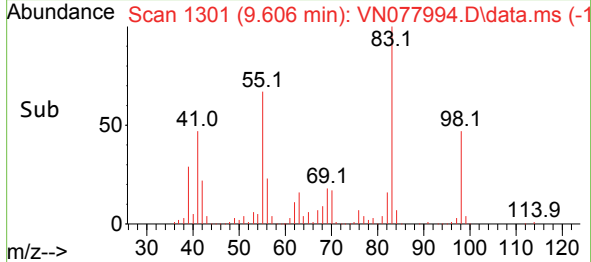
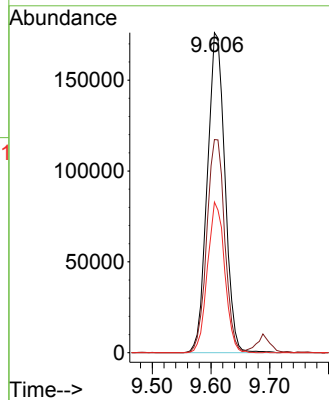
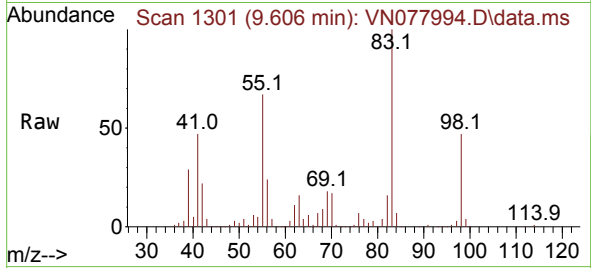




#39
Methylcyclohexane
Concen: 54.782 ug/l
RT: 9.606 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

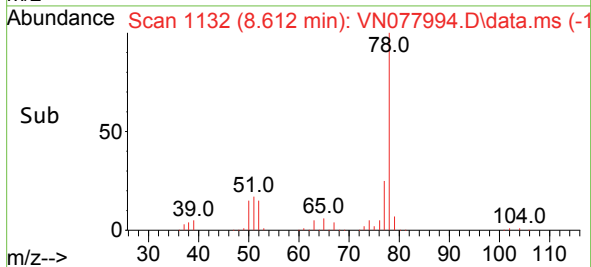
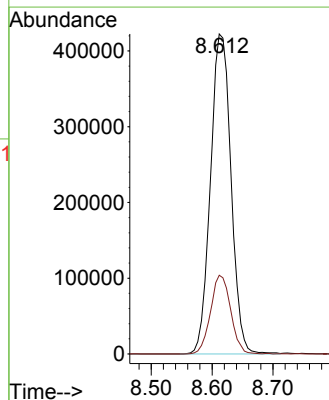
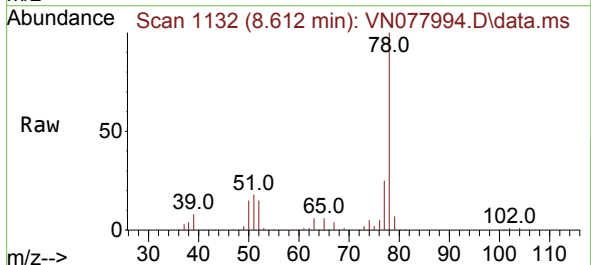
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

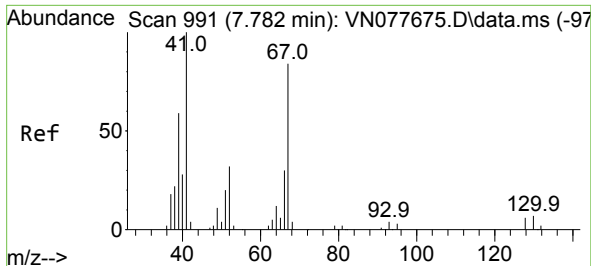
Tgt Ion: 83 Resp: 366272
Ion Ratio Lower Upper
83 100
55 66.6 49.1 73.7
98 47.1 40.6 61.0



#40
Benzene
Concen: 61.455 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 78 Resp: 990397
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6

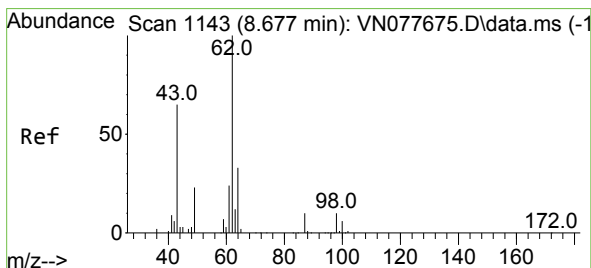
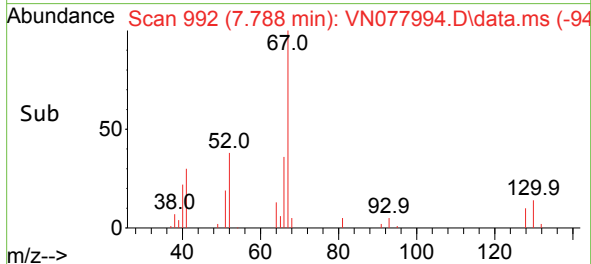
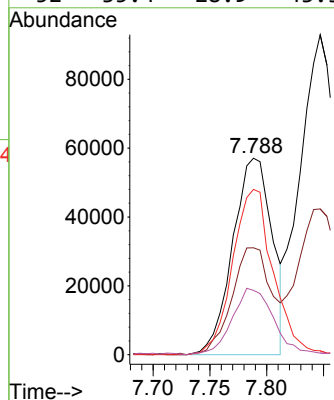
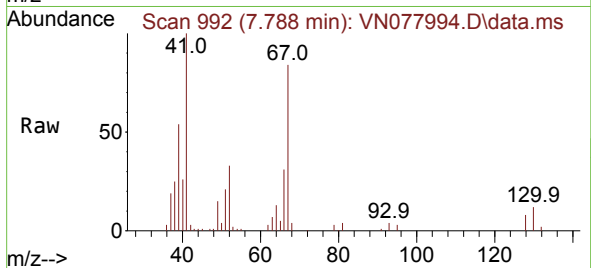




#41
Methacrylonitrile
Concen: 53.309 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

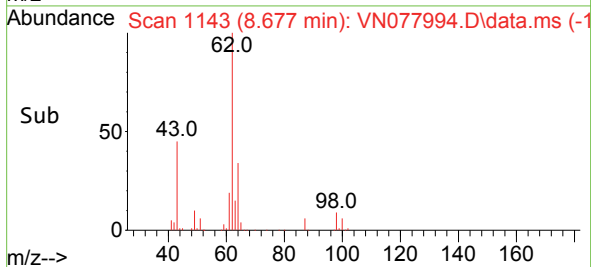
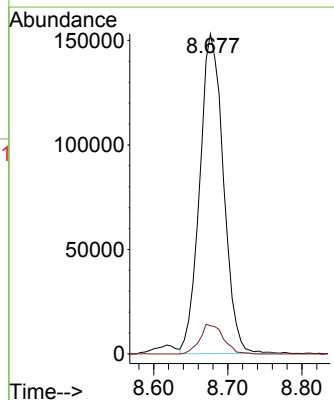
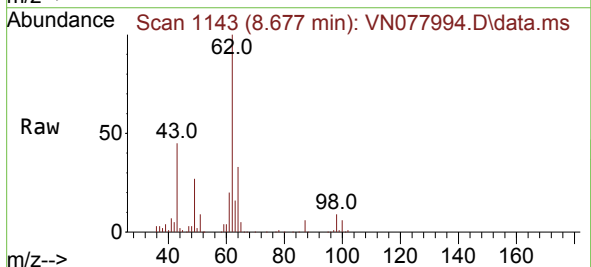
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

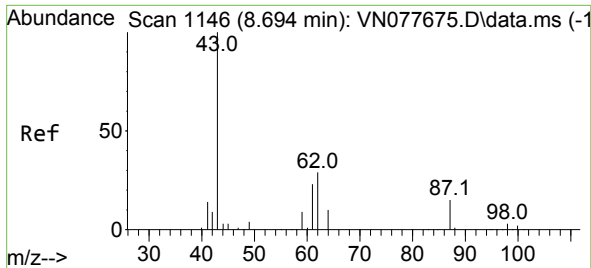
Tgt Ion:	41	Resp:	138193
Ion	Ratio	Lower	Upper
41	100		
39	54.7	42.6	64.0
67	87.0	77.5	116.3
52	35.4	28.9	43.3



#42
1,2-Dichloroethane
Concen: 58.120 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion:	62	Resp:	340246
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.8

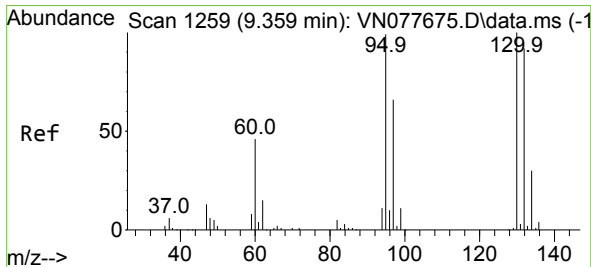
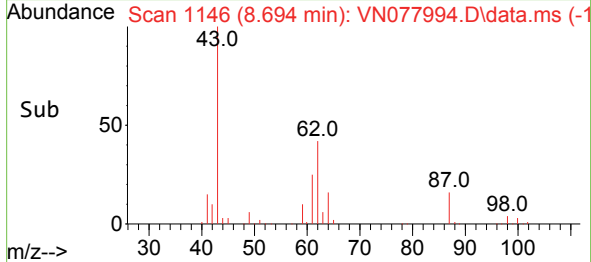
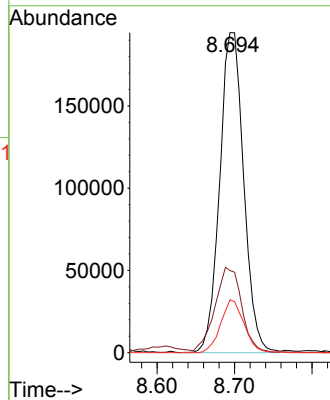
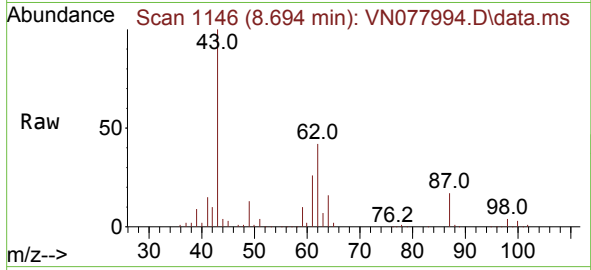




#43
Isopropyl Acetate
Concen: 52.789 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

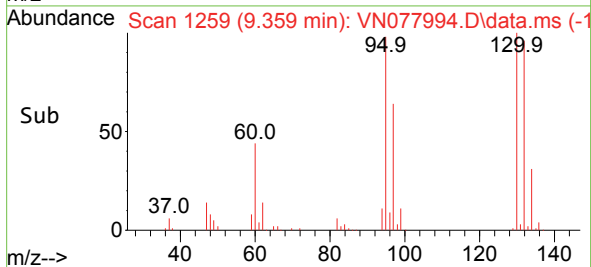
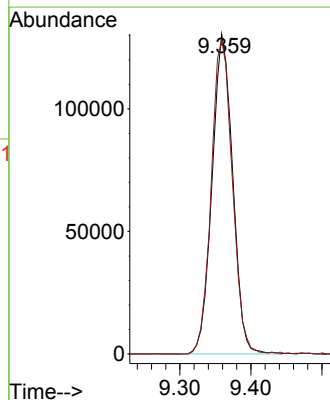
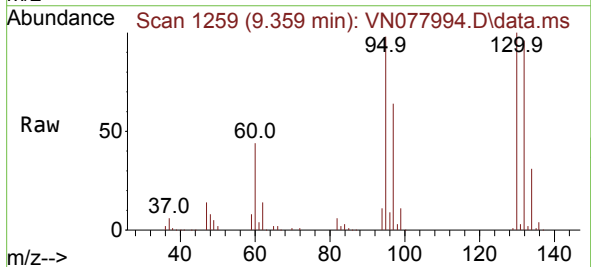
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

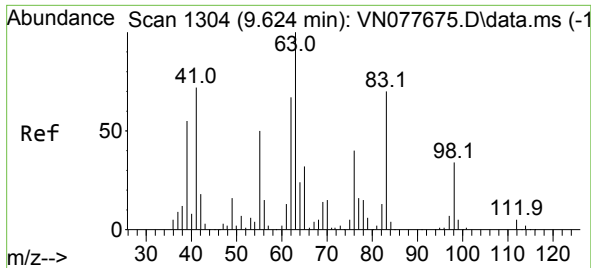
Tgt Ion: 43 Resp: 419717
Ion Ratio Lower Upper
43 100
61 29.4 24.7 37.1
87 16.1 14.6 21.8



#44
Trichloroethene
Concen: 64.375 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion:130 Resp: 262694
Ion Ratio Lower Upper
130 100
95 98.0 0.0 204.6





#45

1,2-Dichloropropane

Concen: 62.408 ug/l

RT: 9.629 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

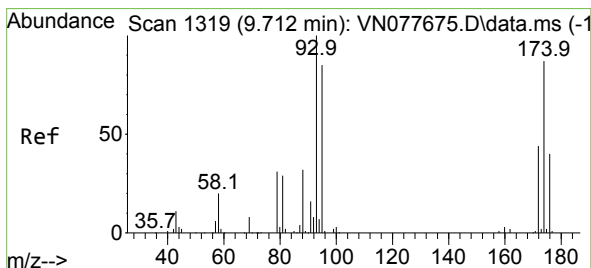
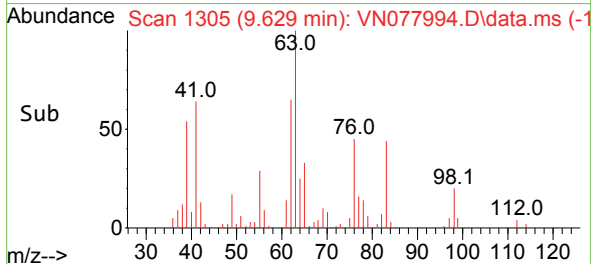
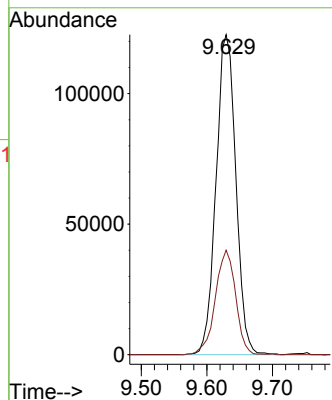
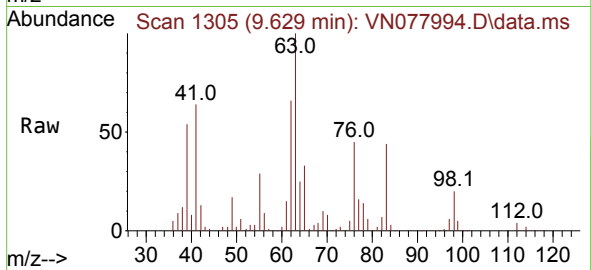
MH-140B-20230526MSD

Tgt Ion: 63 Resp: 256543

Ion Ratio Lower Upper

63 100

65 32.6 23.9 35.9



#46

Dibromomethane

Concen: 61.154 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

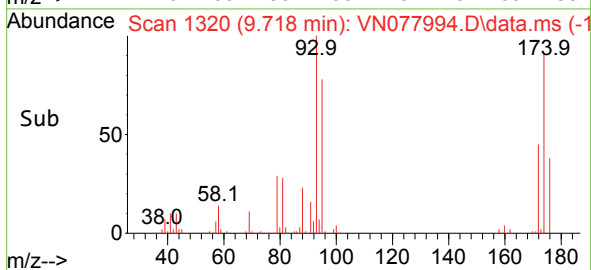
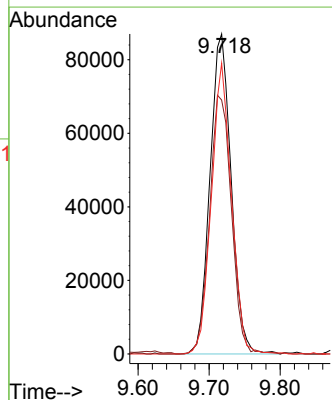
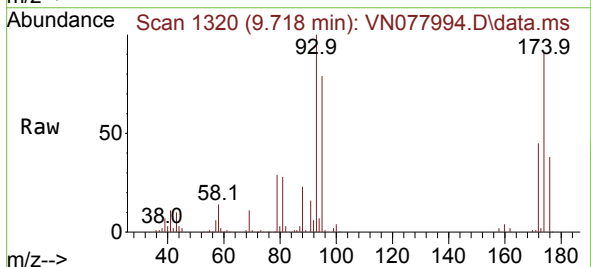
Tgt Ion: 93 Resp: 179884

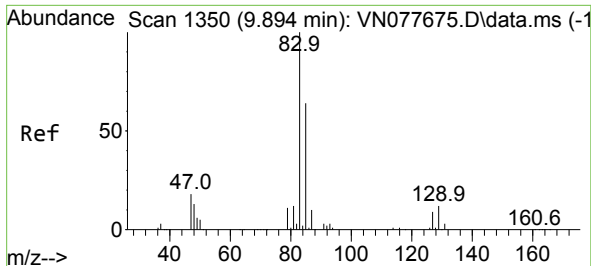
Ion Ratio Lower Upper

93 100

95 83.4 63.8 95.8

174 86.5 65.6 98.4

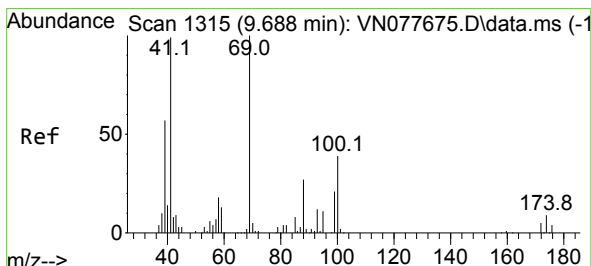
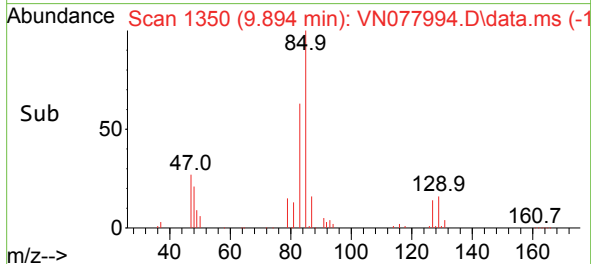
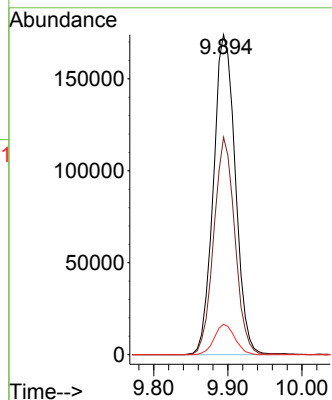
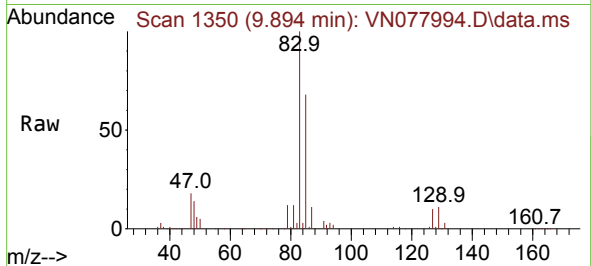




#47
Bromodichloromethane
Concen: 63.381 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

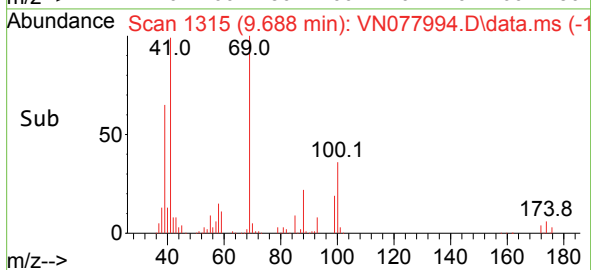
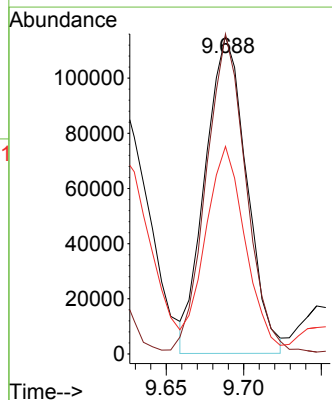
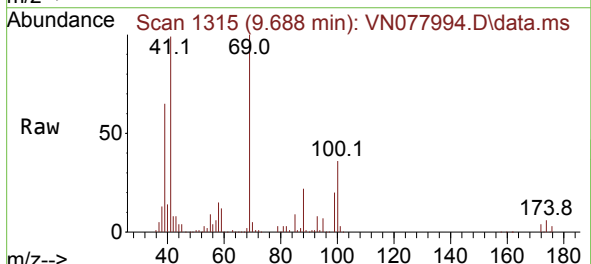
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

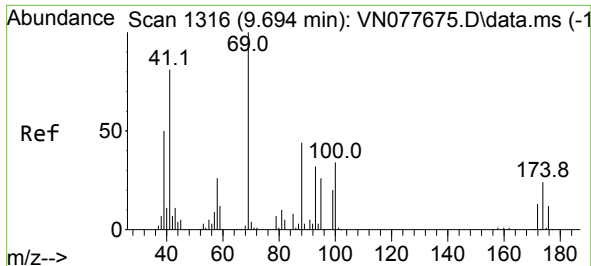
Tgt Ion: 83 Resp: 356931
Ion Ratio Lower Upper
83 100
85 67.9 49.6 74.4
127 9.5 7.0 10.6



#48
Methyl methacrylate
Concen: 56.793 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 41 Resp: 214087
Ion Ratio Lower Upper
41 100
69 97.7 90.4 135.6
39 63.0 54.6 81.8





#49

1,4-Dioxane

Concen: 1263.573 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD

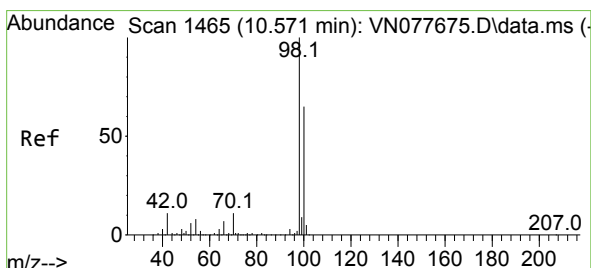
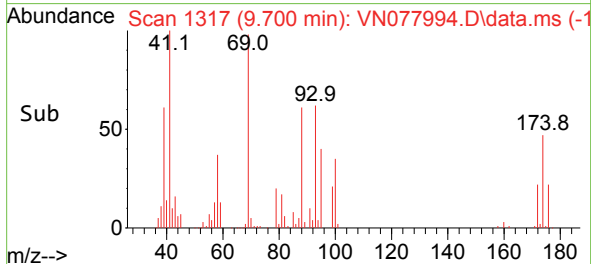
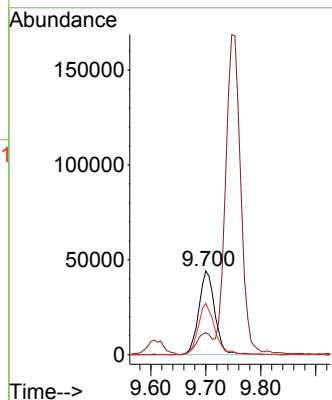
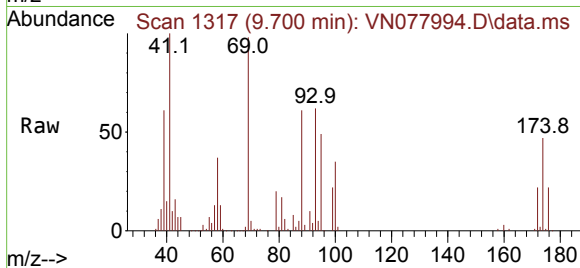
Tgt Ion: 88 Resp: 89964

Ion Ratio Lower Upper

88 100

43 24.6 17.0 25.6

58 63.8 47.0 70.4



#50

Toluene-d8

Concen: 55.854 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN077994.D

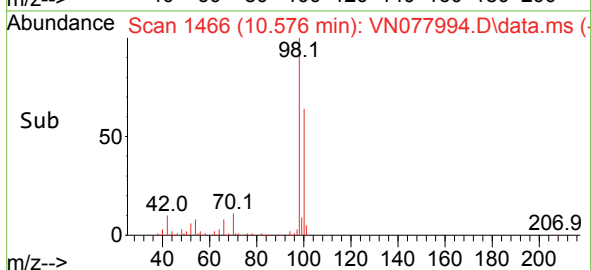
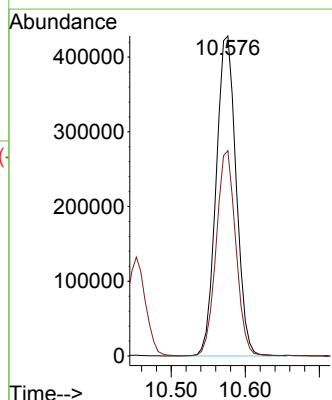
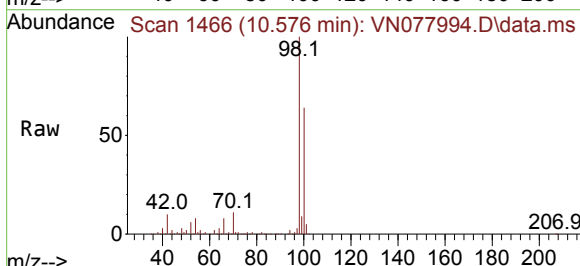
Acq: 31 May 2023 15:43

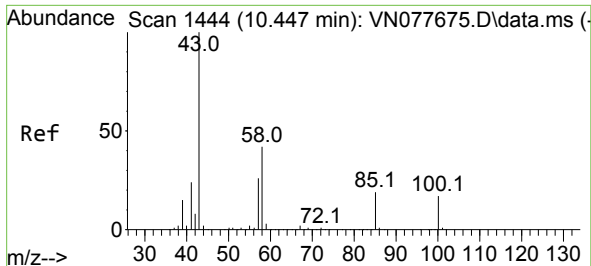
Tgt Ion: 98 Resp: 802705

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0

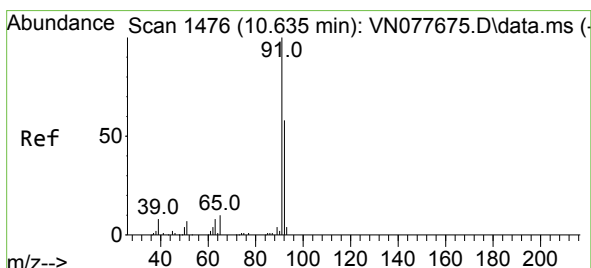
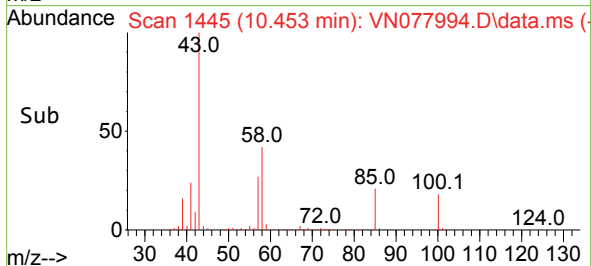
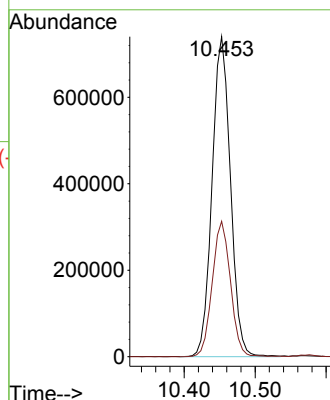
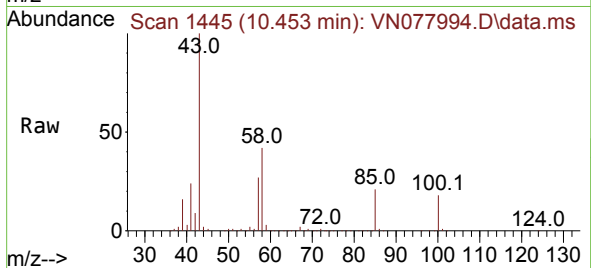




#51
4-Methyl-2-Pentanone
Concen: 280.870 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

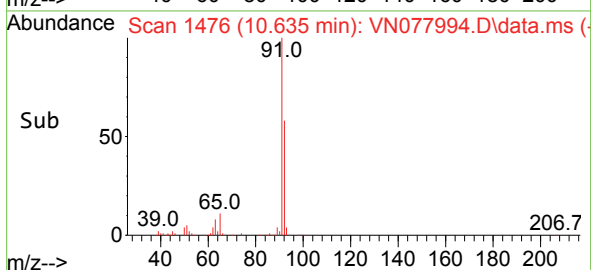
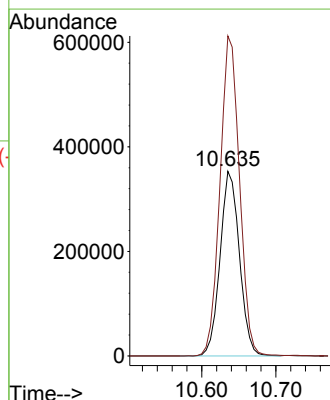
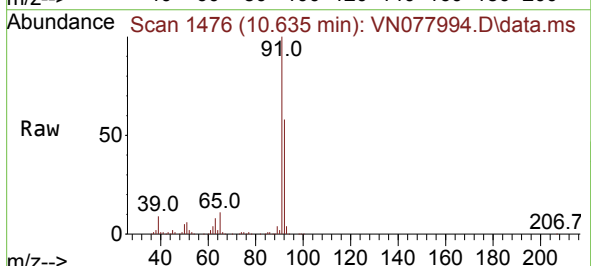
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

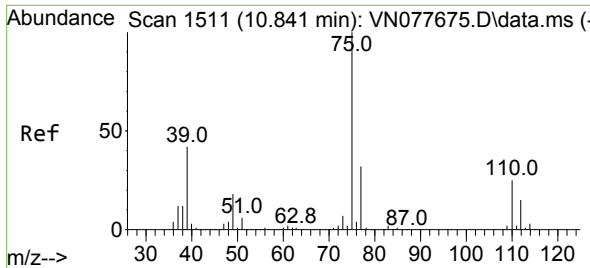
Tgt Ion: 43 Resp: 1327407
Ion Ratio Lower Upper
43 100
58 42.0 36.6 54.8



#52
Toluene
Concen: 63.779 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 92 Resp: 639896
Ion Ratio Lower Upper
92 100
91 174.7 137.4 206.0

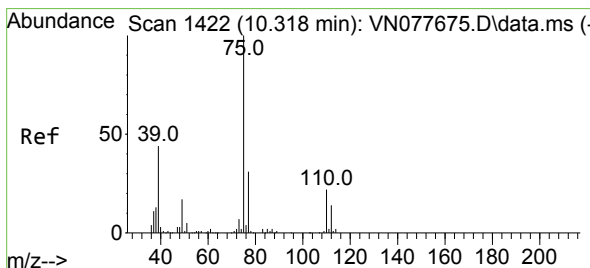
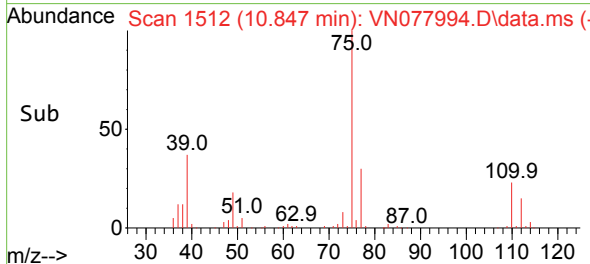
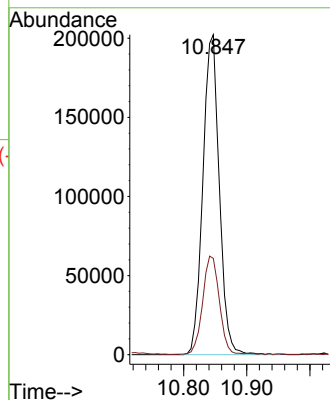
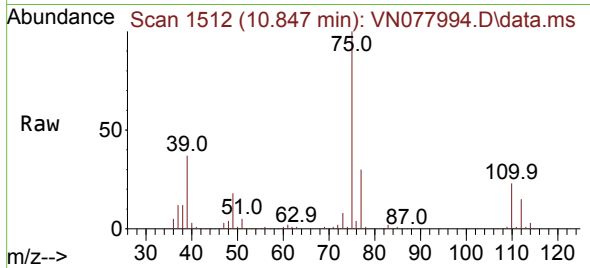




#53
t-1,3-Dichloropropene
Concen: 61.204 ug/l
RT: 10.847 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

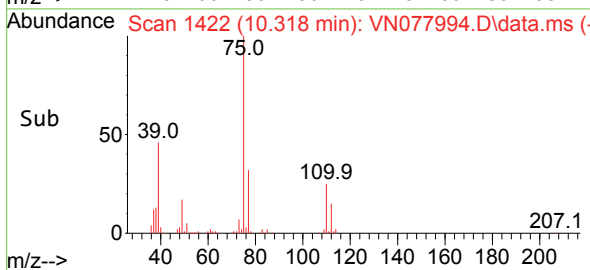
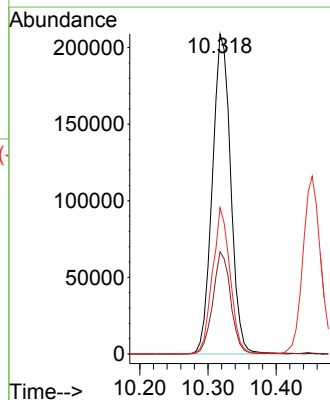
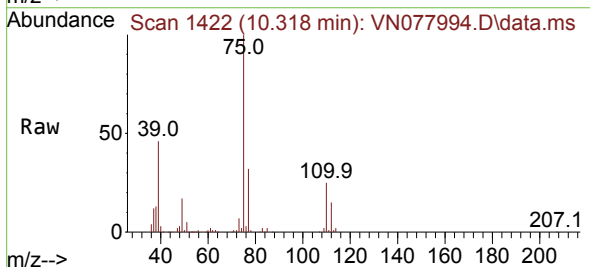
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

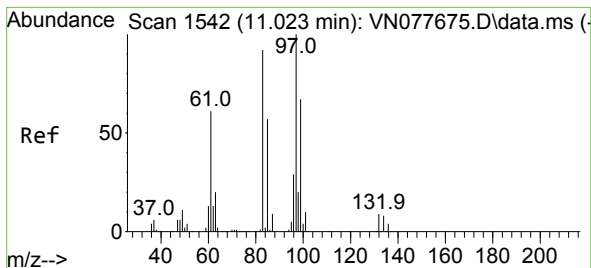
Tgt Ion: 75 Resp: 364993
Ion Ratio Lower Upper
75 100
77 29.9 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 59.513 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 75 Resp: 391113
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1
39 45.5 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 62.774 ug/l

RT: 11.023 min Scan# 1542

Delta R.T. 0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD

Tgt Ion: 97 Resp: 250073

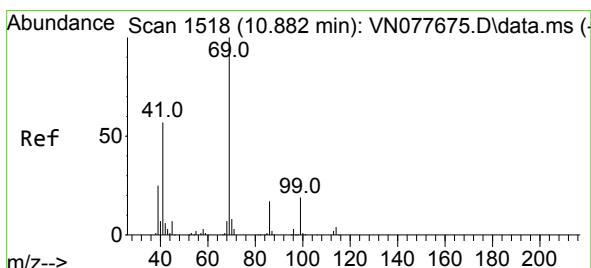
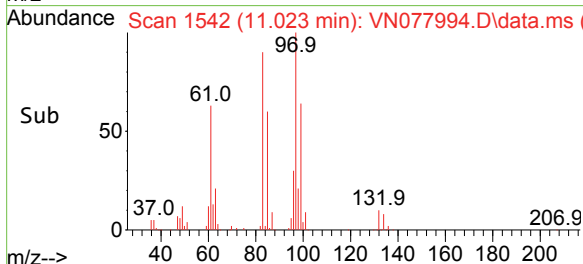
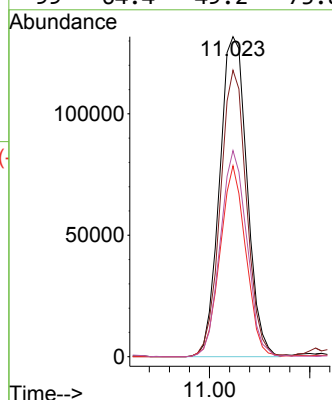
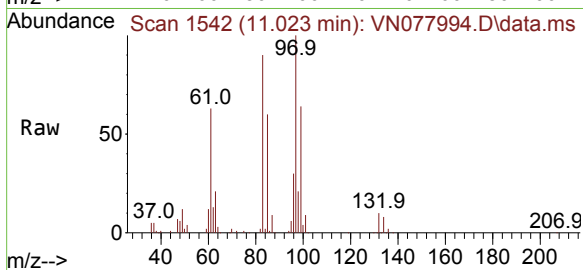
Ion Ratio Lower Upper

97 100

83 89.5 65.1 97.7

85 59.7 43.4 65.2

99 64.4 49.2 73.8



#56

Ethyl methacrylate

Concen: 59.612 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

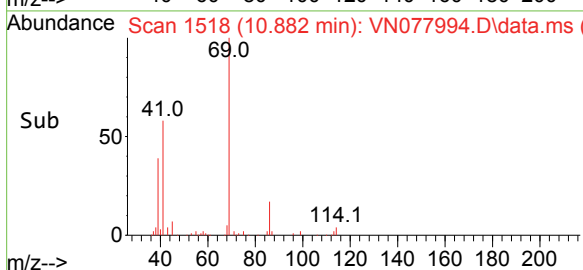
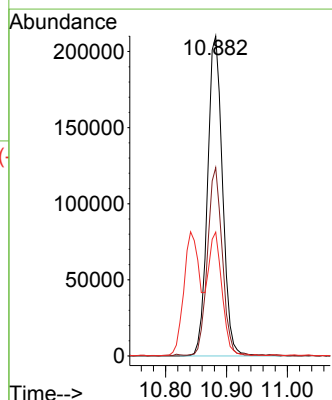
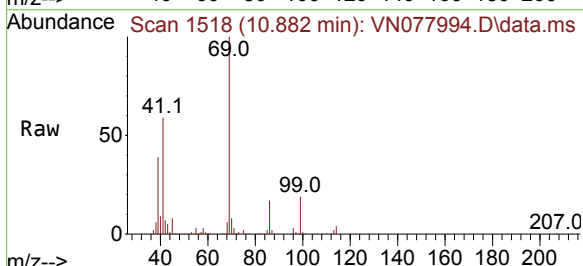
Tgt Ion: 69 Resp: 359065

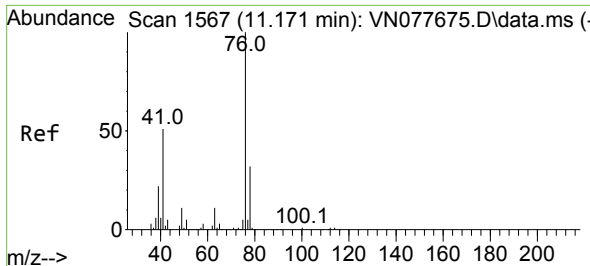
Ion Ratio Lower Upper

69 100

41 57.2 39.6 59.4

39 34.1 28.6 43.0





#57

1,3-Dichloropropane

Concen: 60.962 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.001 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

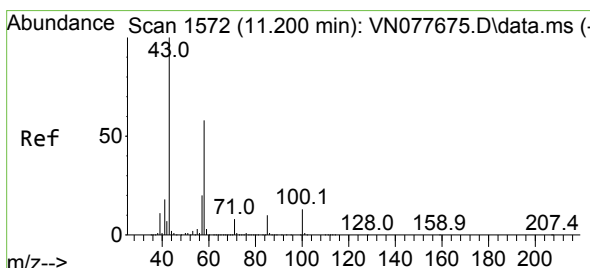
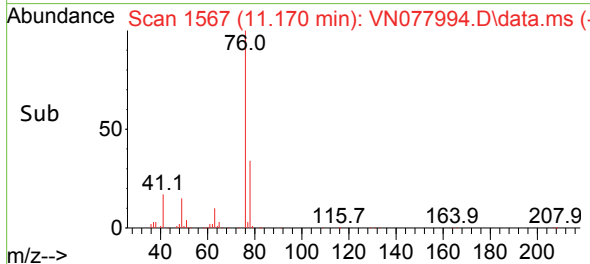
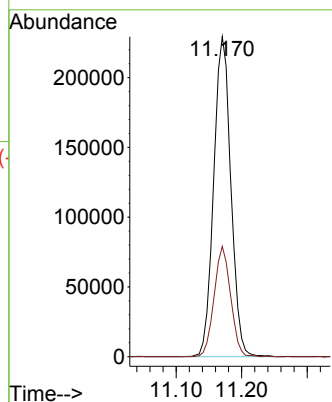
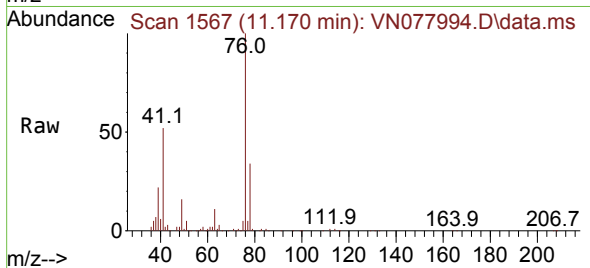
MH-140B-20230526MSD

Tgt Ion: 76 Resp: 416328

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



#59

2-Hexanone

Concen: 267.011 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. -0.000 min

Lab File: VN077994.D

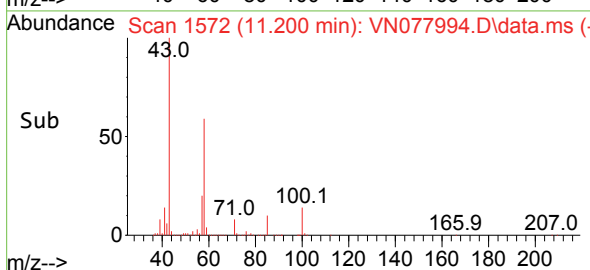
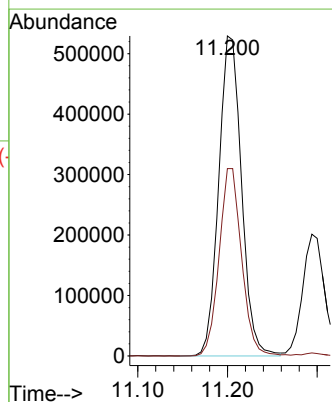
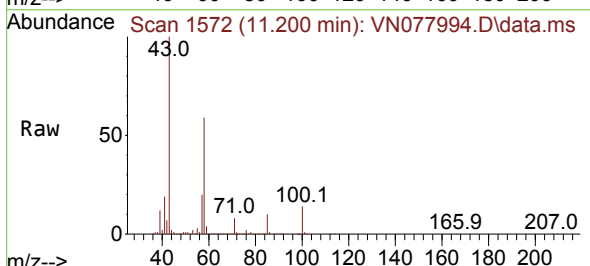
Acq: 31 May 2023 15:43

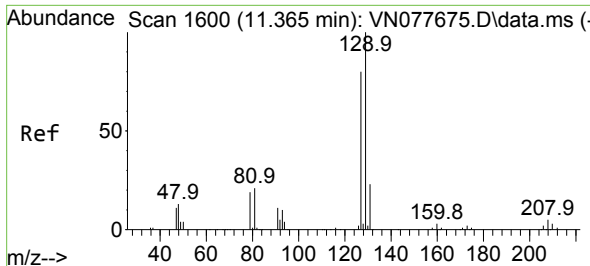
Tgt Ion: 43 Resp: 933384

Ion Ratio Lower Upper

43 100

58 57.9 31.7 95.1

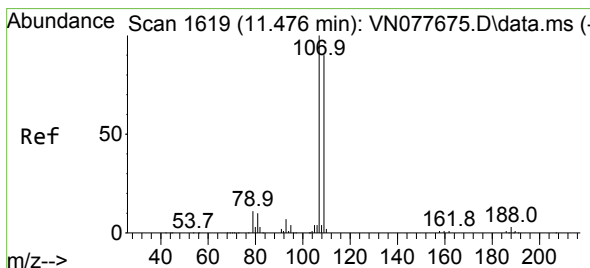
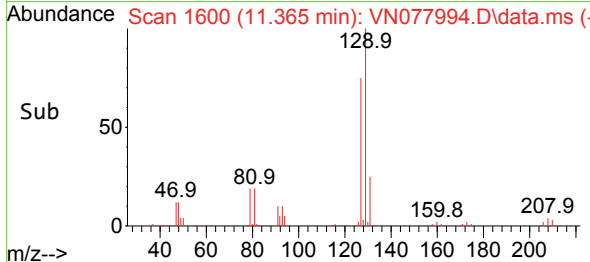
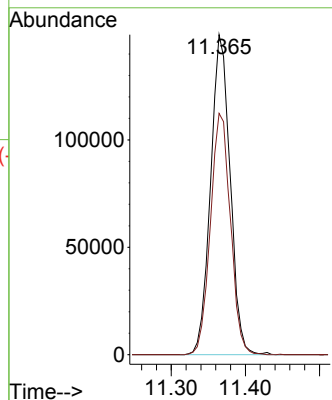
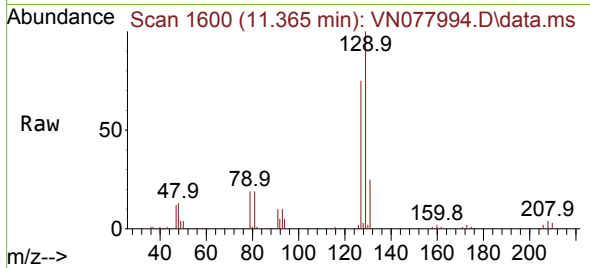




#60
Dibromochloromethane
Concen: 66.261 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

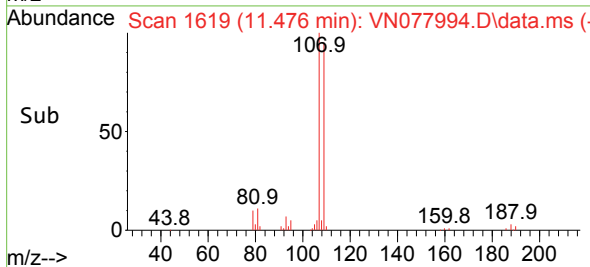
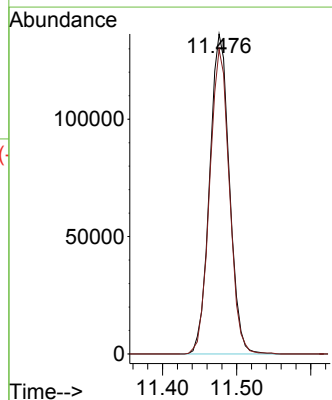
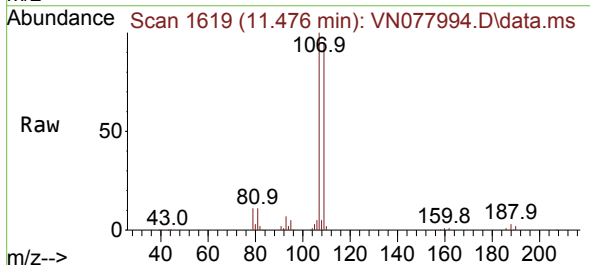
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

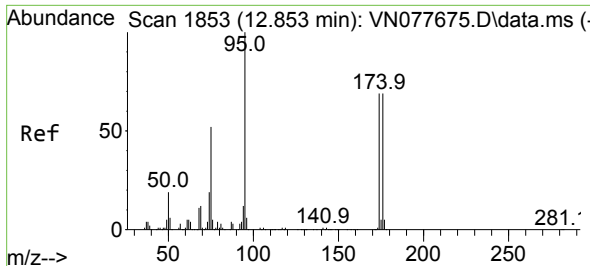
Tgt Ion:129 Resp: 272503
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0



#61
1,2-Dibromoethane
Concen: 63.612 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion:107 Resp: 252809
Ion Ratio Lower Upper
107 100
109 94.8 76.6 114.8

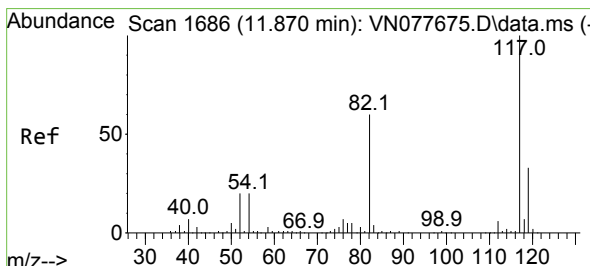
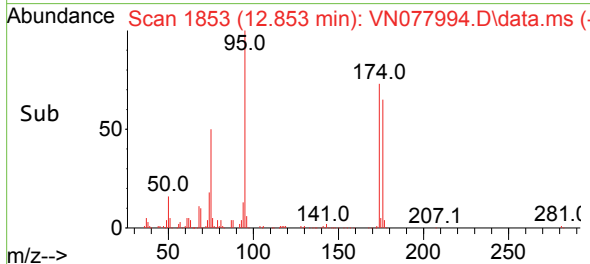
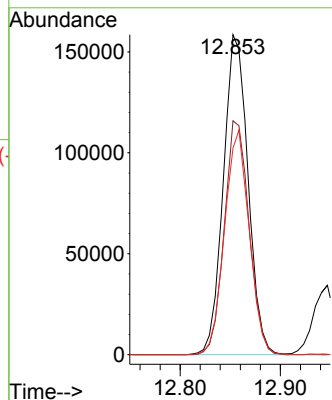
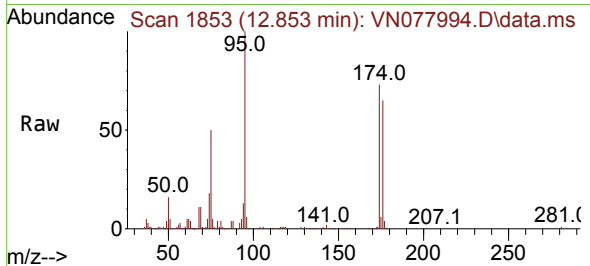




#62
4-Bromofluorobenzene
Concen: 53.391 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

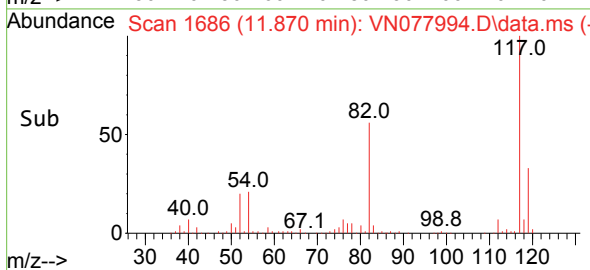
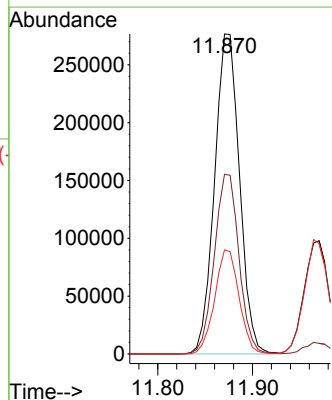
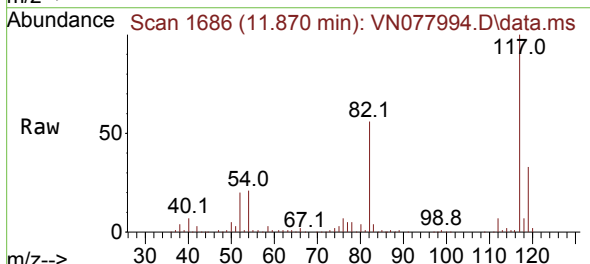
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

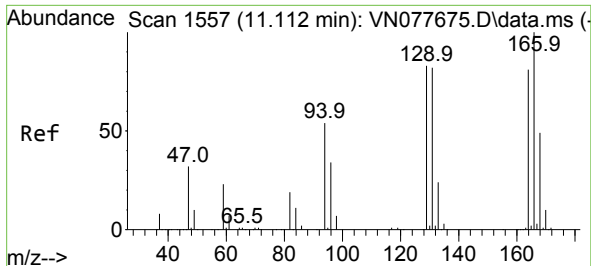
Tgt Ion: 95 Resp: 270998
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 70.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 117 Resp: 506554
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 32.6 25.6 38.4

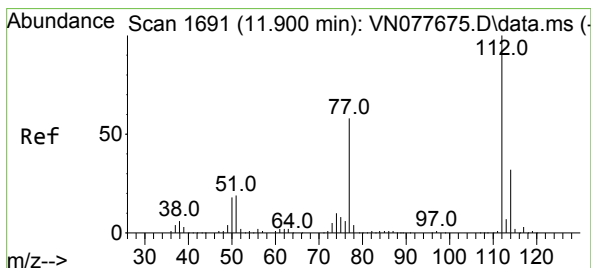
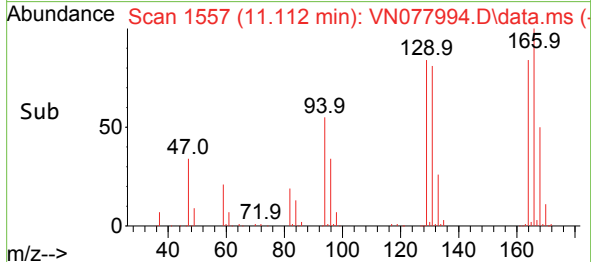
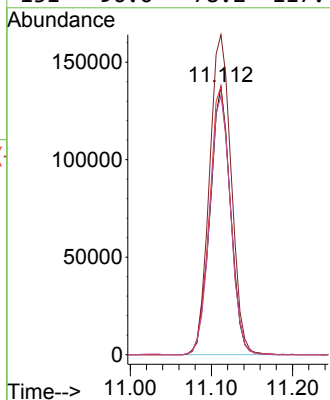
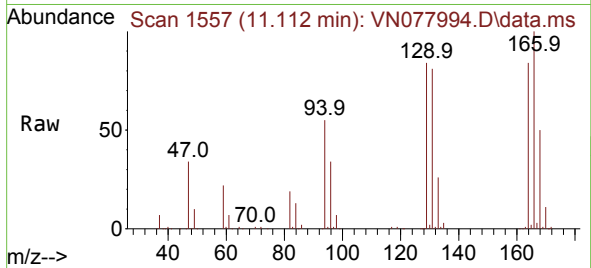




#64
Tetrachloroethene
Concen: 68.099 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

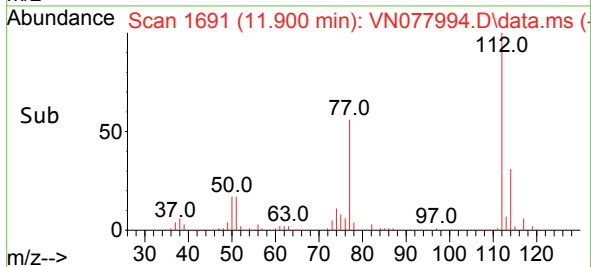
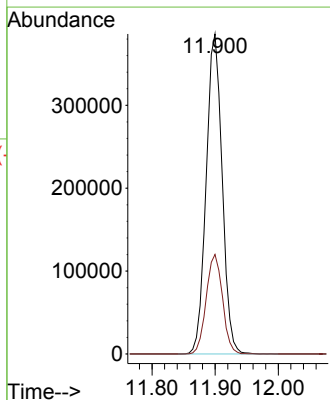
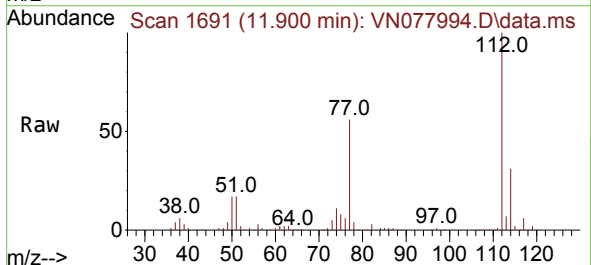
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

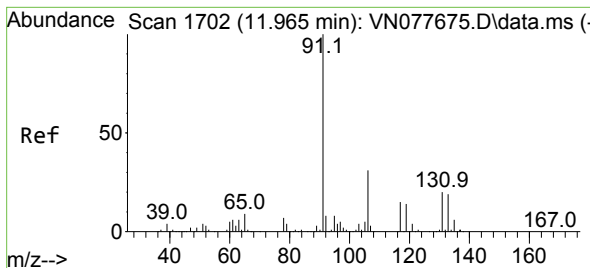
Tgt	Ion:164	Resp:	241238
Ion	Ratio	Lower	Upper
164	100		
166	119.4	101.4	152.0
129	99.9	82.4	123.6
131	96.6	78.2	117.4



#65
Chlorobenzene
Concen: 61.719 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt	Ion:112	Resp:	677771
Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.0	37.4

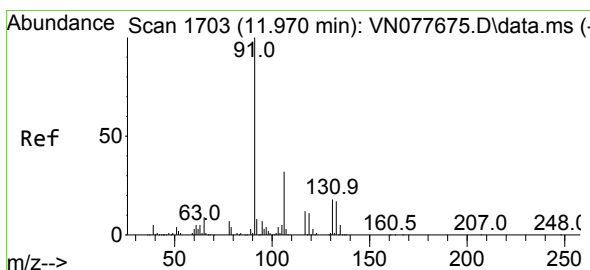
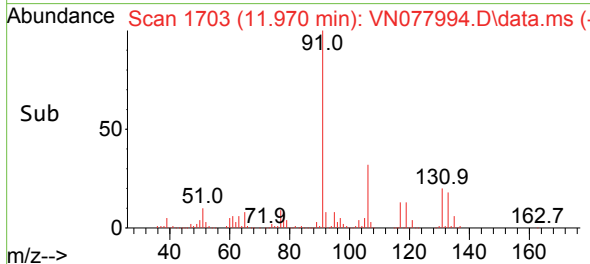
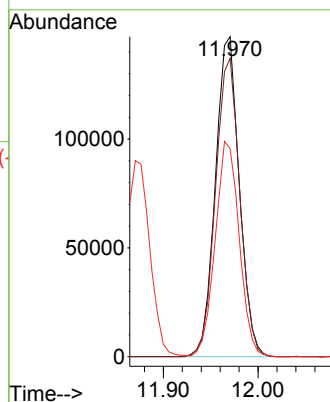
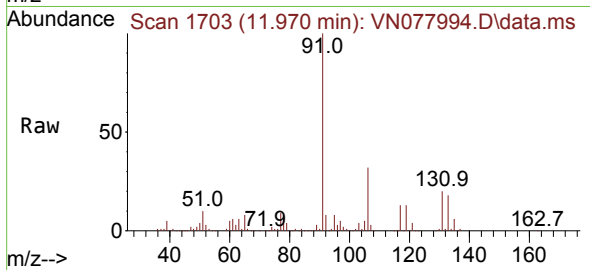




#66
 1,1,1,2-Tetrachloroethane
 Concen: 67.766 ug/l
 RT: 11.970 min Scan# 1703
 Delta R.T. 0.005 min
 Lab File: VN077994.D
 Acq: 31 May 2023 15:43

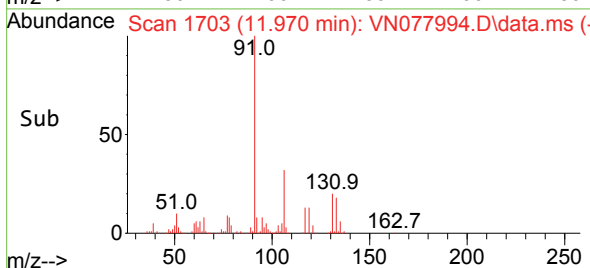
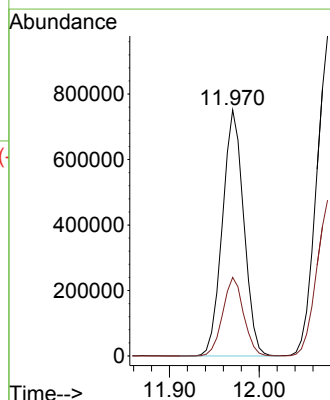
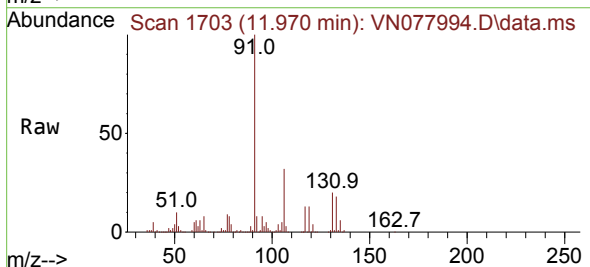
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MSD

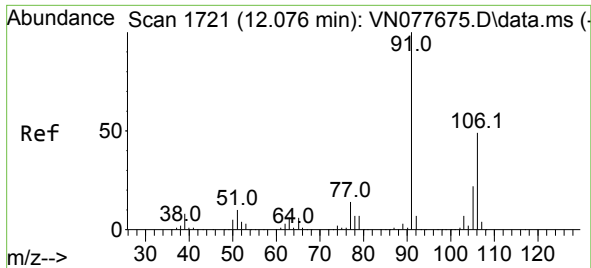
Tgt Ion:131 Resp: 257494
 Ion Ratio Lower Upper
 131 100
 133 94.9 46.4 139.1
 119 67.7 34.1 102.2



#67
 Ethyl Benzene
 Concen: 63.040 ug/l
 RT: 11.970 min Scan# 1703
 Delta R.T. 0.000 min
 Lab File: VN077994.D
 Acq: 31 May 2023 15:43

Tgt Ion: 91 Resp: 1240594
 Ion Ratio Lower Upper
 91 100
 106 31.9 25.6 38.4

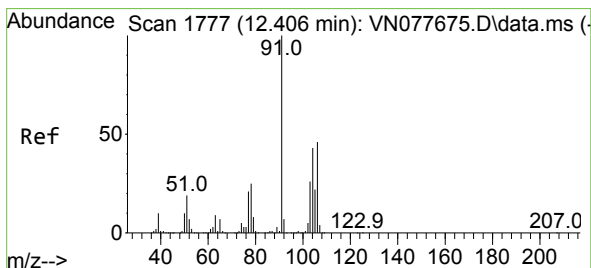
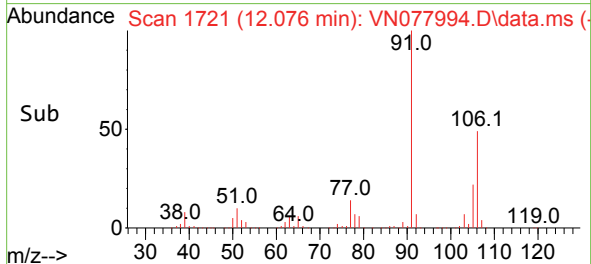
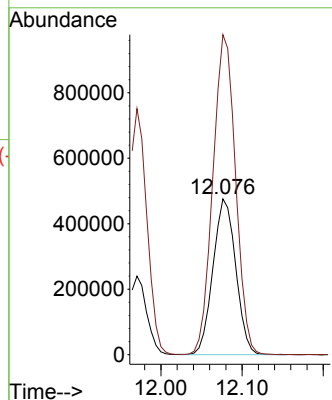
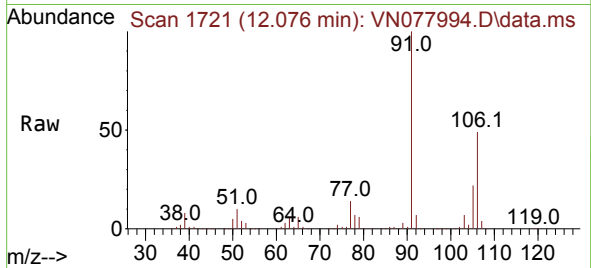




#68
m/p-Xylenes
Concen: 124.467 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

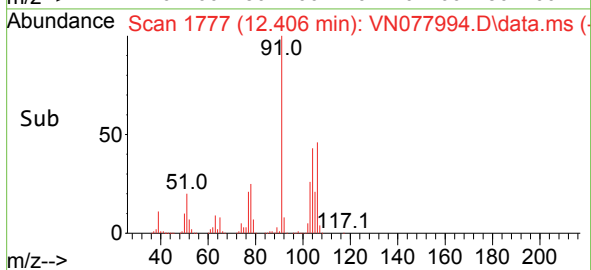
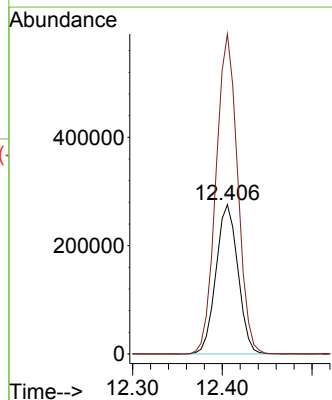
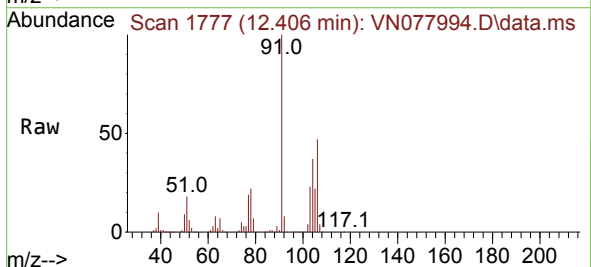
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

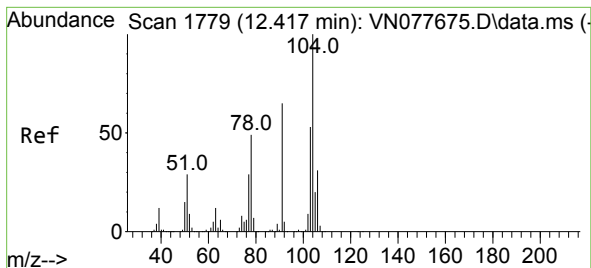
Tgt Ion:106 Resp: 928114
Ion Ratio Lower Upper
106 100
91 204.7 159.6 239.4



#69
o-Xylene
Concen: 63.906 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion:106 Resp: 468640
Ion Ratio Lower Upper
106 100
91 211.2 105.2 315.5





#70

Styrene

Concen: 63.213 ug/l

RT: 12.417 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD

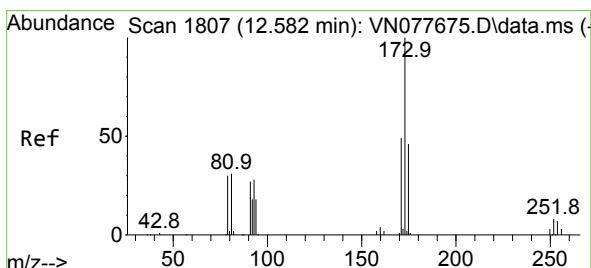
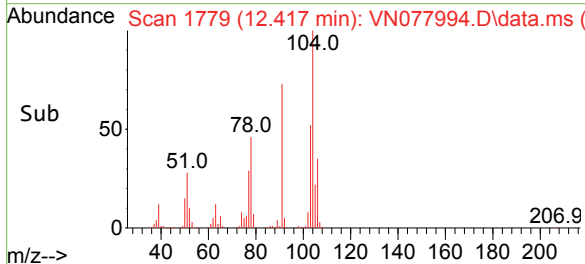
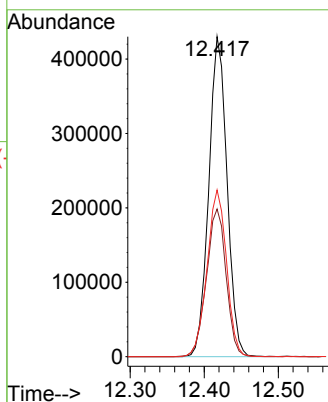
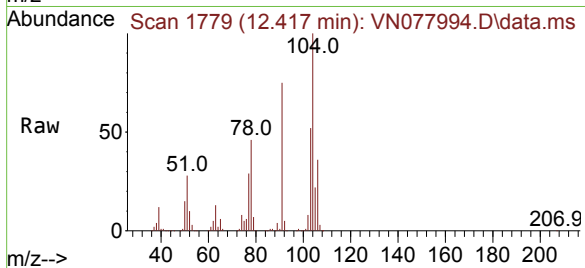
Tgt Ion:104 Resp: 736397

Ion Ratio Lower Upper

104 100

78 49.7 39.5 59.3

103 55.6 43.2 64.8



#71

Bromoform

Concen: 66.392 ug/l

RT: 12.588 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

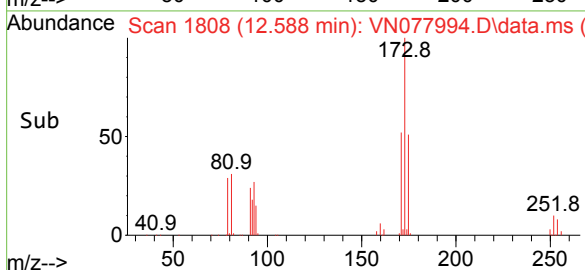
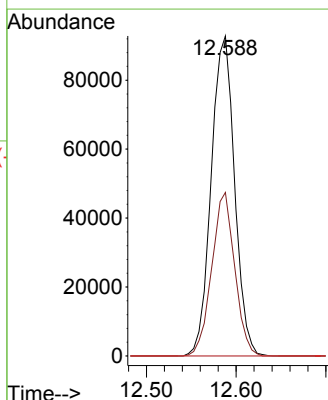
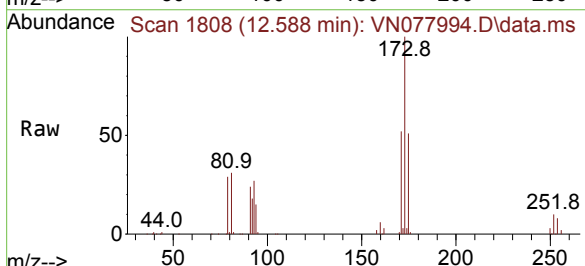
Tgt Ion:173 Resp: 167820

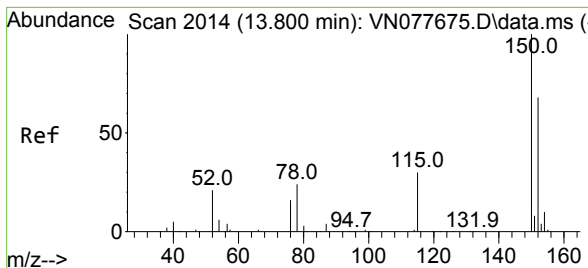
Ion Ratio Lower Upper

173 100

175 50.1 24.3 73.0

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD

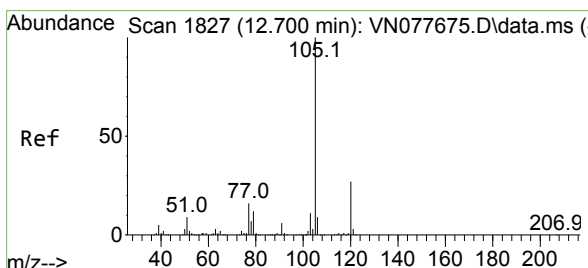
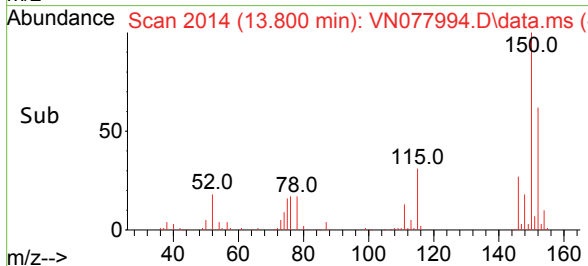
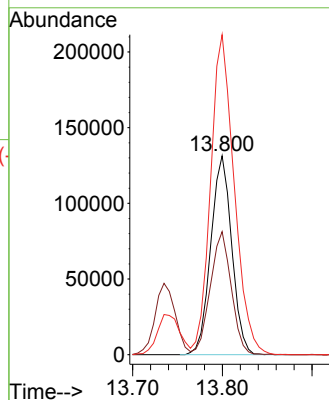
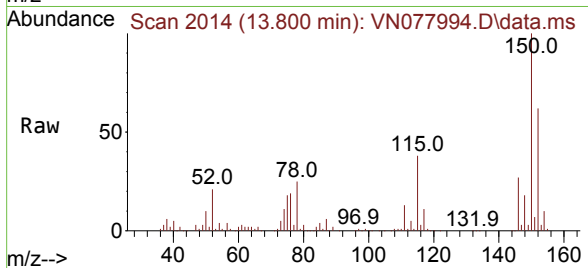
Tgt Ion:152 Resp: 213149

Ion Ratio Lower Upper

152 100

115 61.9 32.3 96.8

150 181.0 0.0 355.8



#73

Isopropylbenzene

Concen: 64.943 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN077994.D

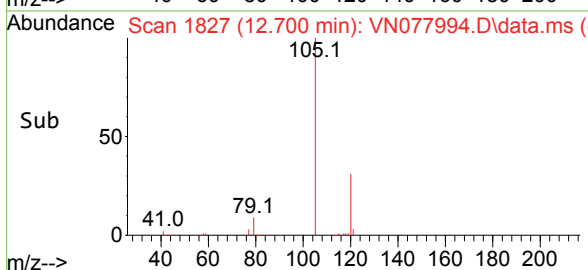
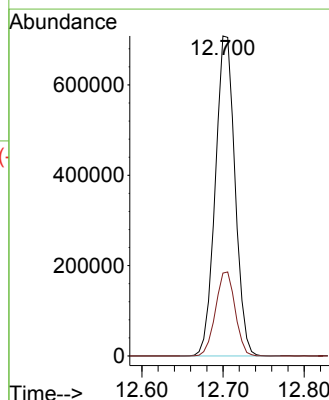
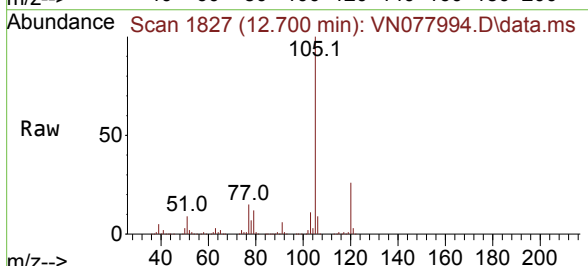
Acq: 31 May 2023 15:43

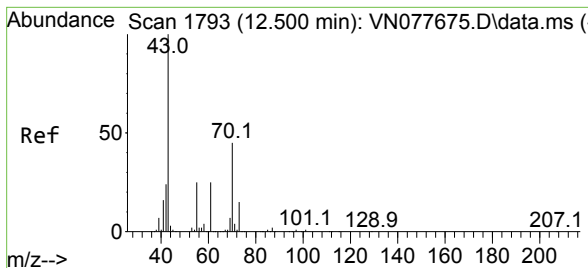
Tgt Ion:105 Resp: 1193228

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1





#74

N-amy1 acetate

Concen: 48.254 ug/l

RT: 12.500 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077994.D

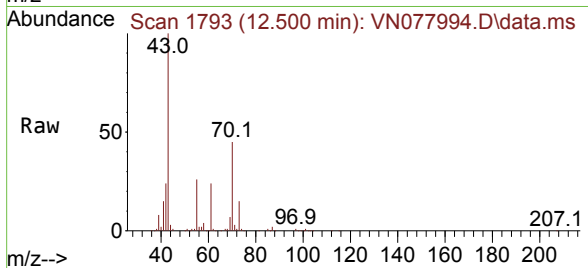
Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD



Tgt Ion: 43 Resp: 327714

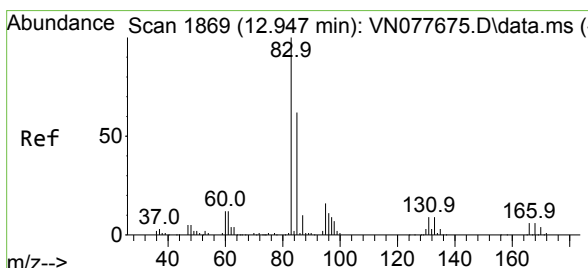
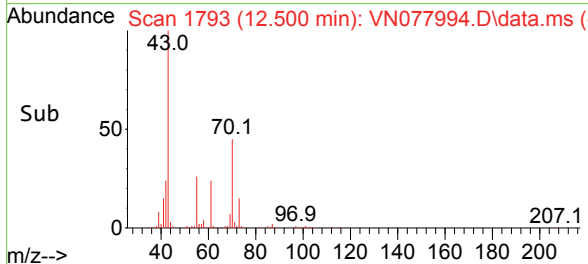
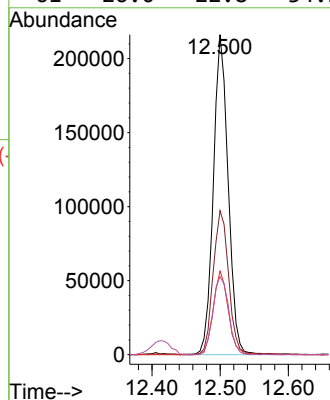
Ion Ratio Lower Upper

43 100

70 46.9 43.4 65.2

55 26.5 21.4 32.0

61 26.0 22.8 34.2



#75

1,1,2,2-Tetrachloroethane

Concen: 60.189 ug/l

RT: 12.947 min Scan# 1869

Delta R.T. -0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

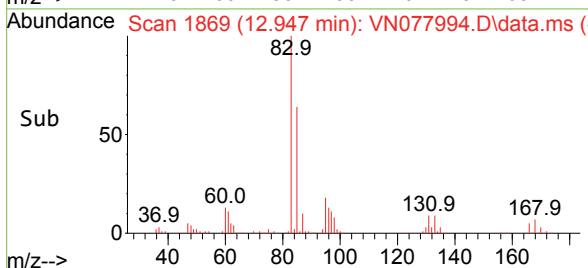
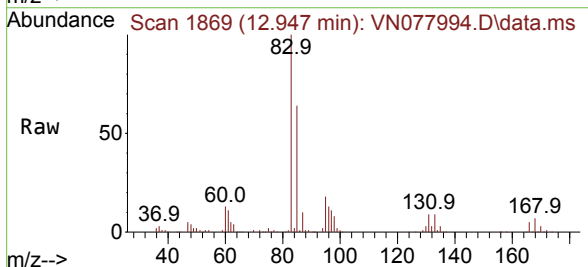
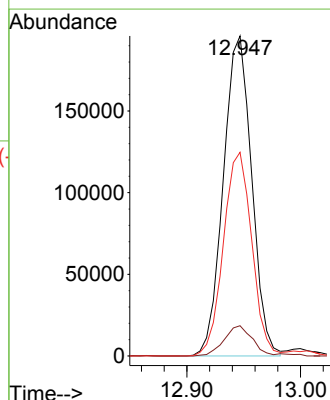
Tgt Ion: 83 Resp: 340213

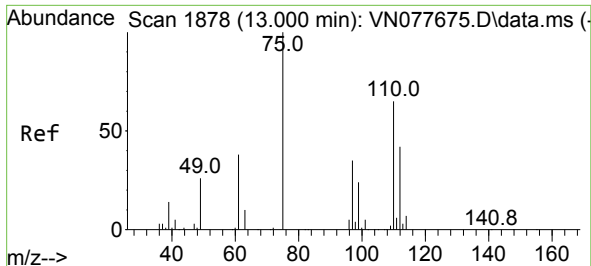
Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

85 63.7 31.9 95.7

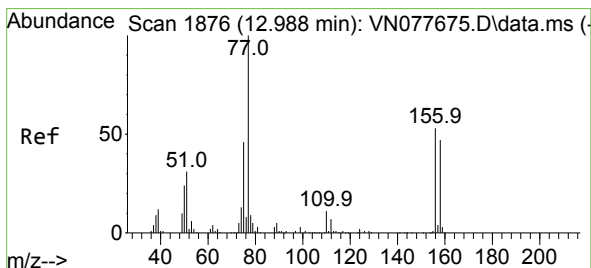
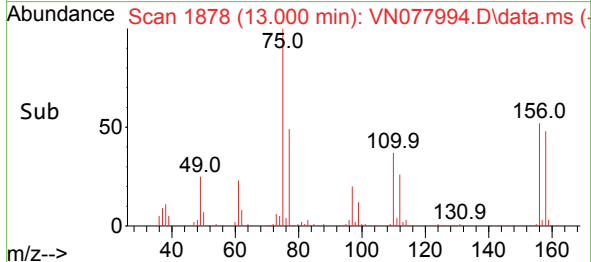
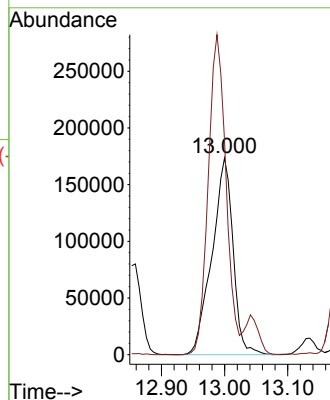
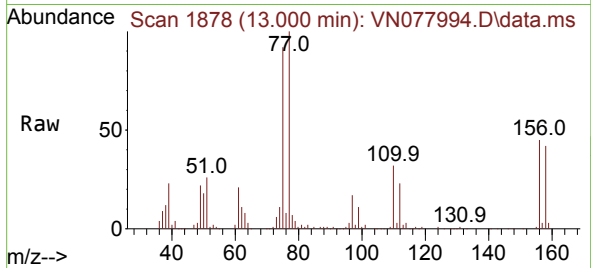




#76
1,2,3-Trichloropropane
Concen: 75.446 ug/l
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

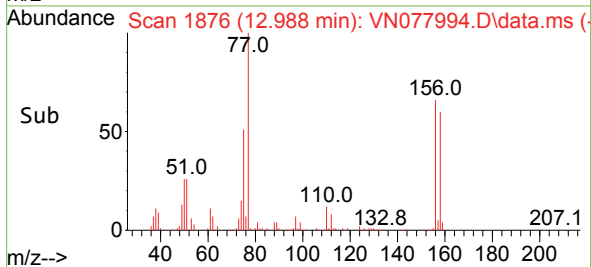
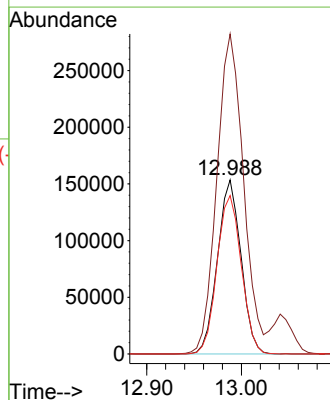
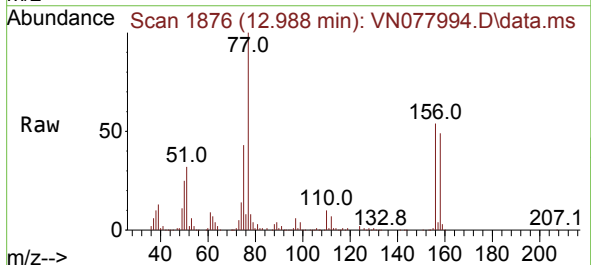
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

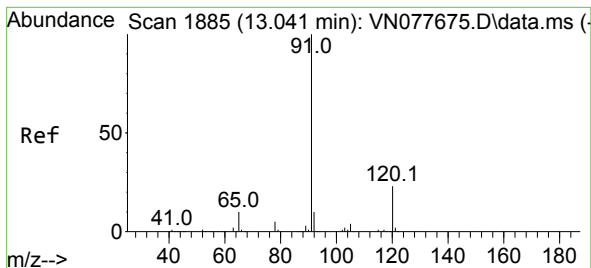
Tgt Ion: 75 Resp: 402734
Ion Ratio Lower Upper
75 100
77 137.0 84.5 253.5



#77
Bromobenzene
Concen: 63.231 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion:156 Resp: 265127
Ion Ratio Lower Upper
156 100
77 208.1 107.7 323.3
158 94.2 48.4 145.3





#78

n-propylbenzene

Concen: 62.205 ug/l

RT: 13.041 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

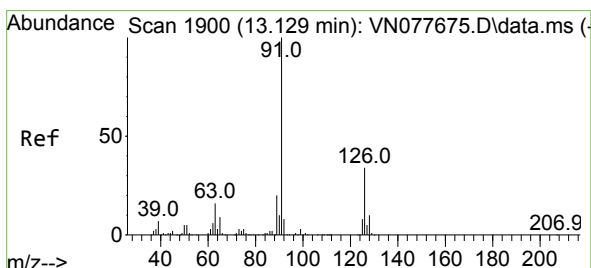
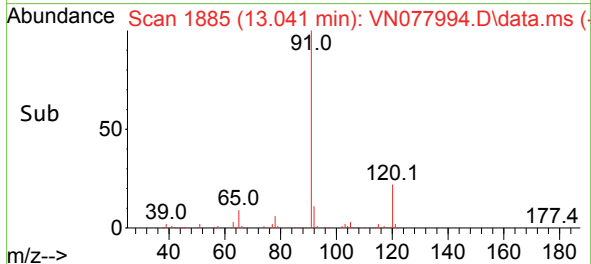
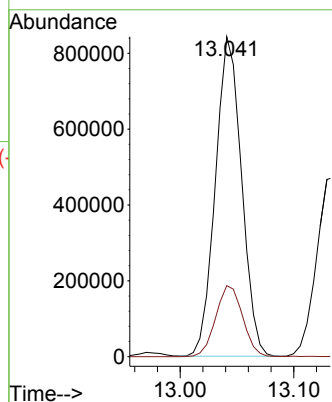
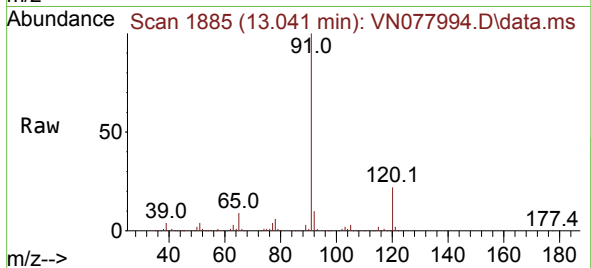
MH-140B-20230526MSD

Tgt Ion: 91 Resp: 1347431

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4



#79

2-Chlorotoluene

Concen: 63.560 ug/l

RT: 13.135 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VN077994.D

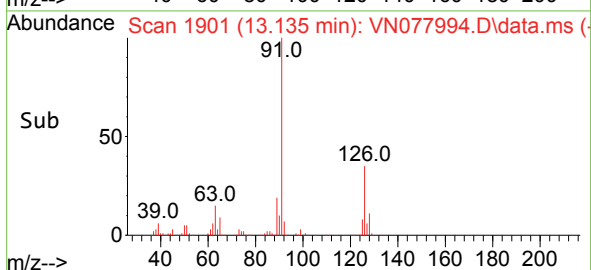
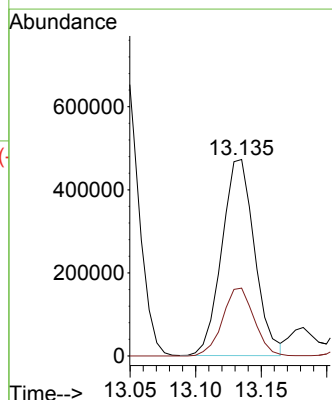
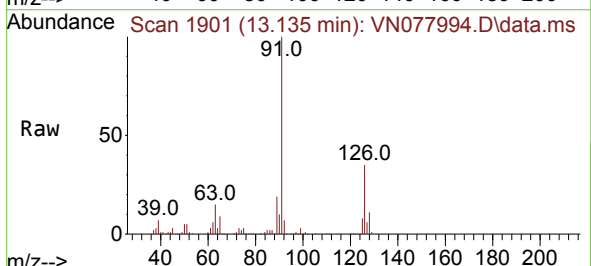
Acq: 31 May 2023 15:43

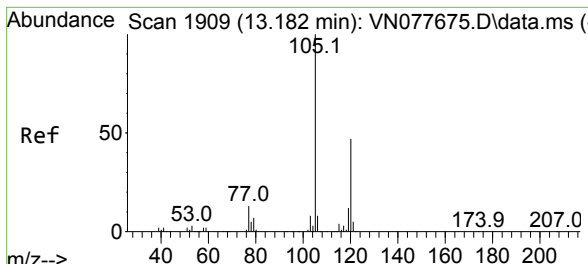
Tgt Ion: 91 Resp: 821551

Ion Ratio Lower Upper

91 100

126 33.4 16.3 48.8

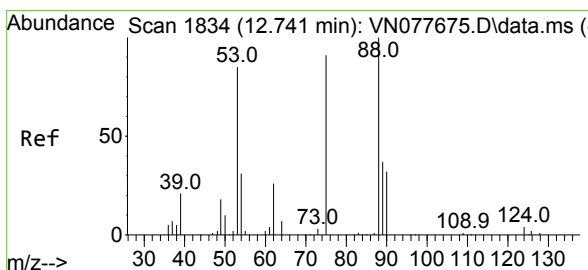
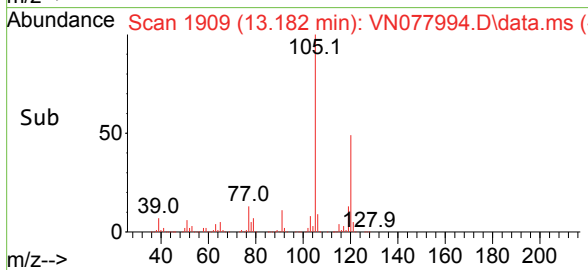
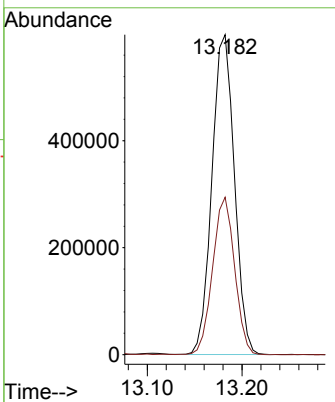
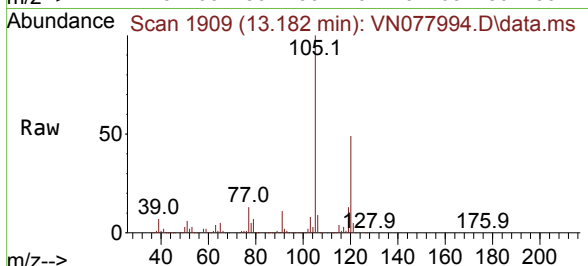




#80
 1,3,5-Trimethylbenzene
 Concen: 63.810 ug/l
 RT: 13.182 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: VN077994.D
 Acq: 31 May 2023 15:43

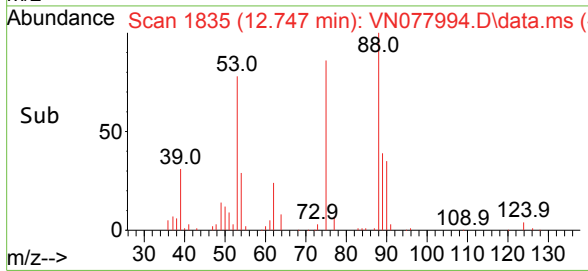
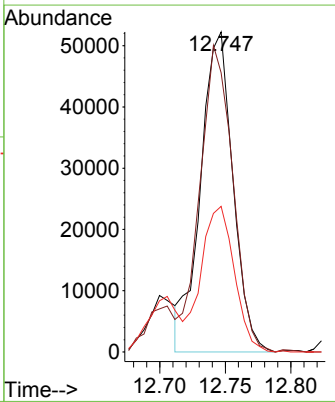
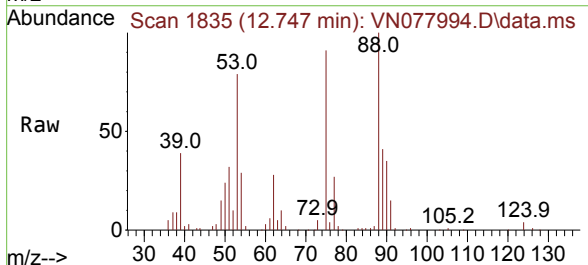
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MSD

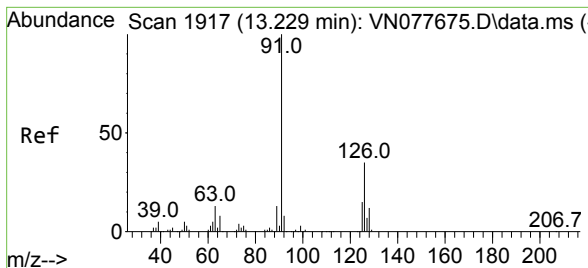
Tgt Ion:105 Resp: 985368
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.757 ug/l
 RT: 12.747 min Scan# 1835
 Delta R.T. 0.006 min
 Lab File: VN077994.D
 Acq: 31 May 2023 15:43

Tgt Ion: 75 Resp: 89771
 Ion Ratio Lower Upper
 75 100
 53 97.0 67.4 101.2
 89 46.7 38.8 58.2

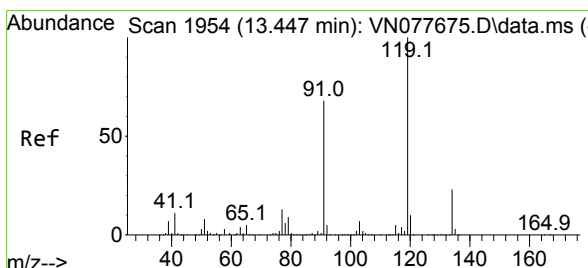
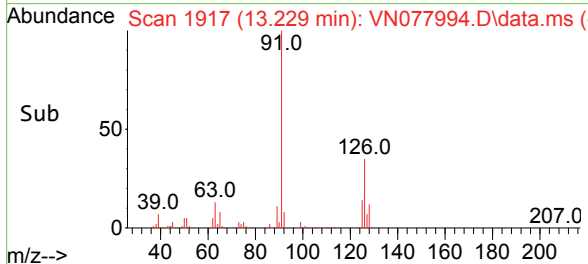
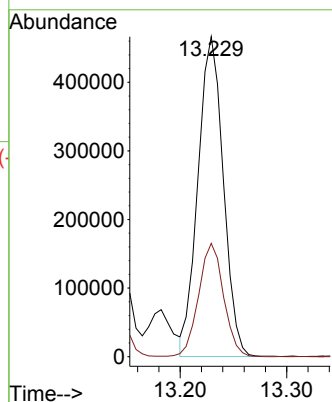
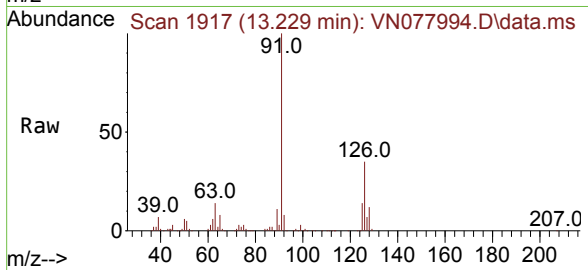




#82
4-Chlorotoluene
Concen: 59.885 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

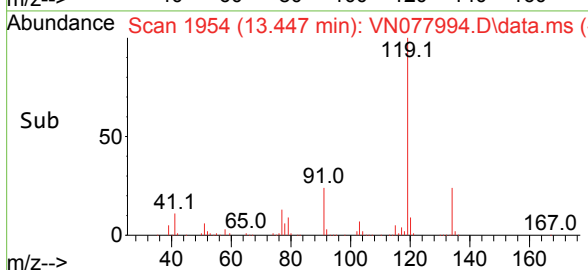
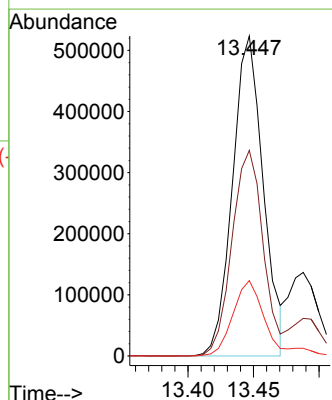
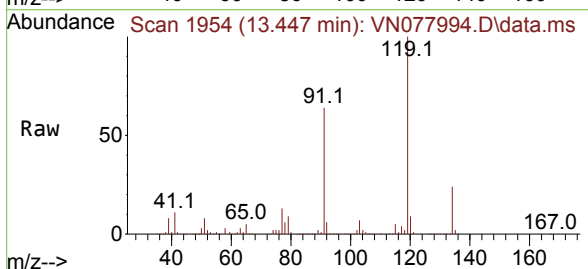
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

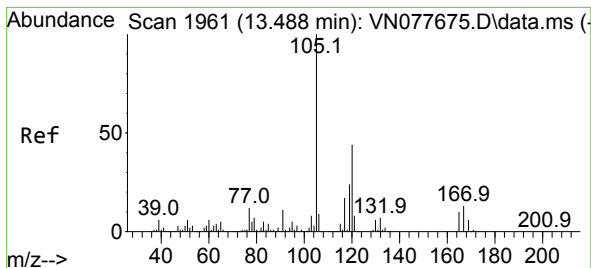
Tgt Ion: 91 Resp: 770153
Ion Ratio Lower Upper
91 100
126 35.0 16.7 50.0



#83
tert-Butylbenzene
Concen: 63.338 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 119 Resp: 853853
Ion Ratio Lower Upper
119 100
91 66.8 33.9 101.7
134 25.2 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 64.921 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

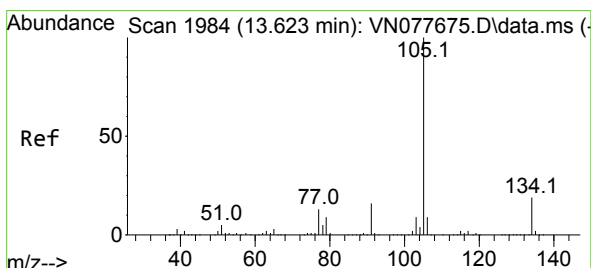
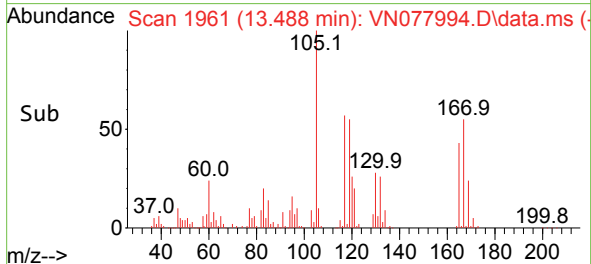
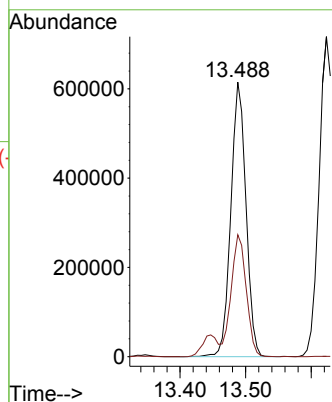
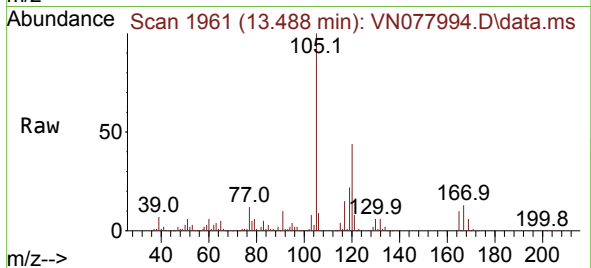
MH-140B-20230526MSD

Tgt Ion:105 Resp: 985968

Ion Ratio Lower Upper

105 100

120 44.8 22.0 66.0



#85

sec-Butylbenzene

Concen: 59.848 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN077994.D

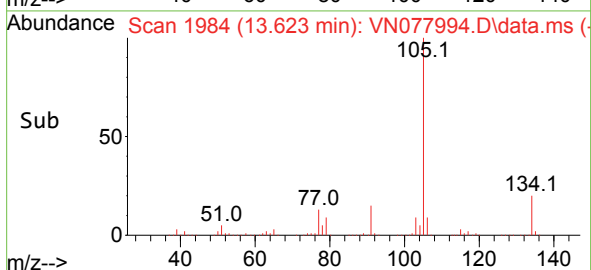
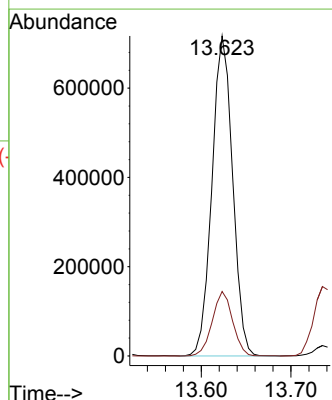
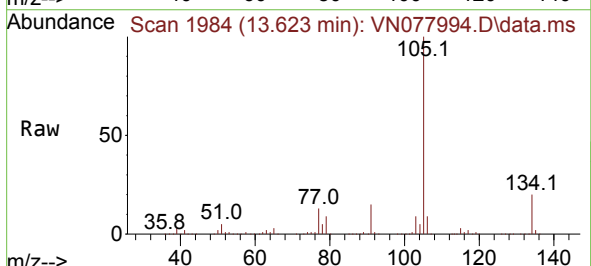
Acq: 31 May 2023 15:43

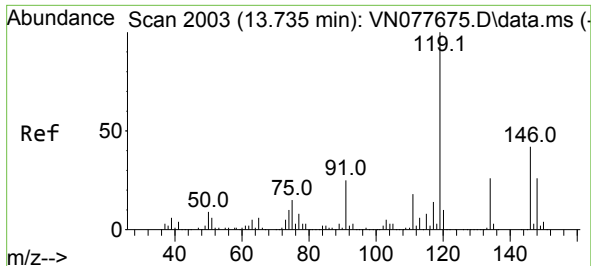
Tgt Ion:105 Resp: 1146612

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.3

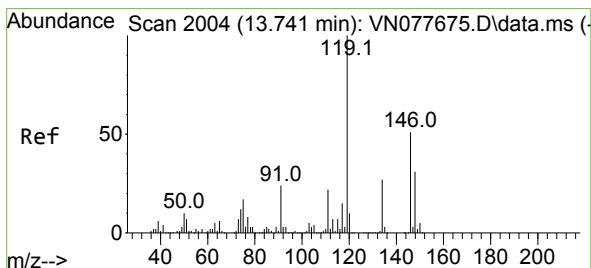
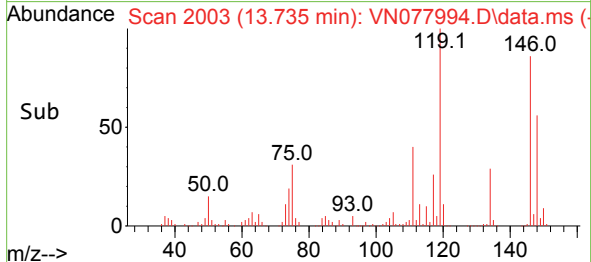
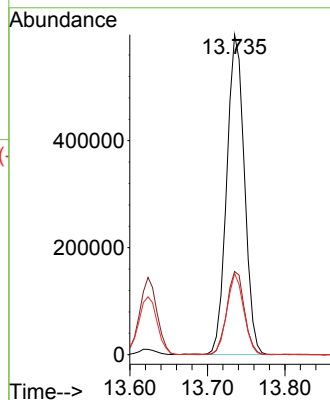
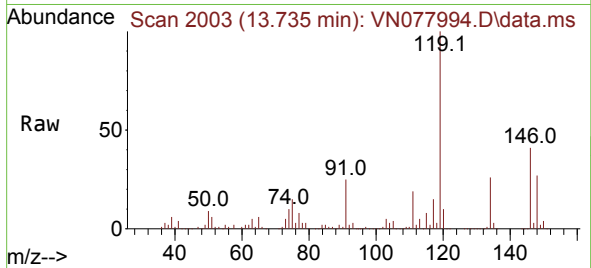




#86
p-Isopropyltoluene
Concen: 61.992 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

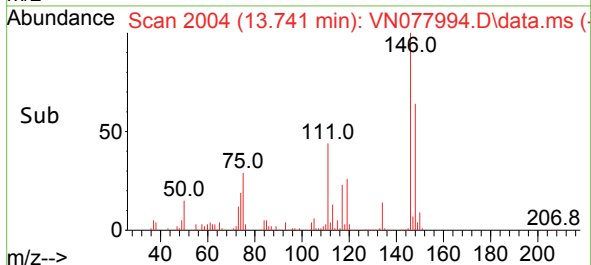
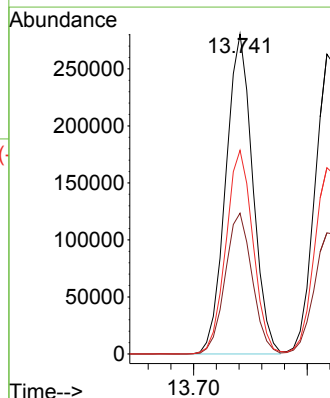
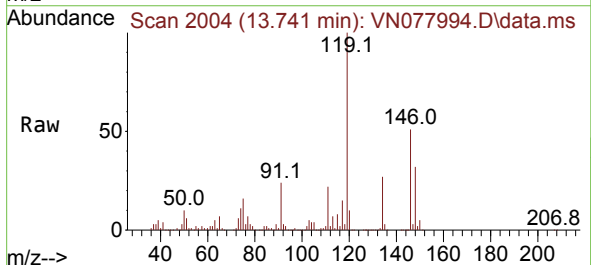
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

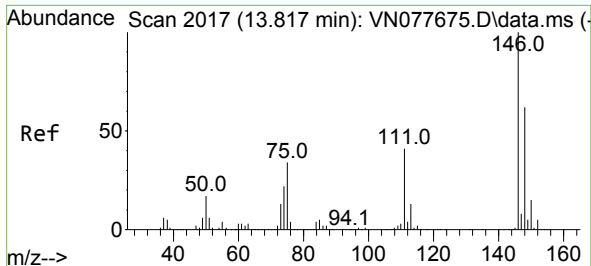
Tgt Ion:119 Resp: 946869
Ion Ratio Lower Upper
119 100
134 26.0 12.6 37.8
91 24.2 12.4 37.2



#87
1,3-Dichlorobenzene
Concen: 59.593 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion:146 Resp: 462097
Ion Ratio Lower Upper
146 100
111 44.1 22.1 66.3
148 64.0 32.0 96.0

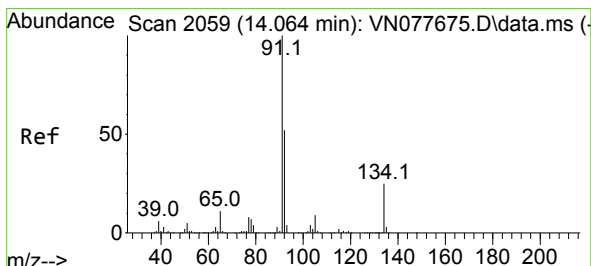
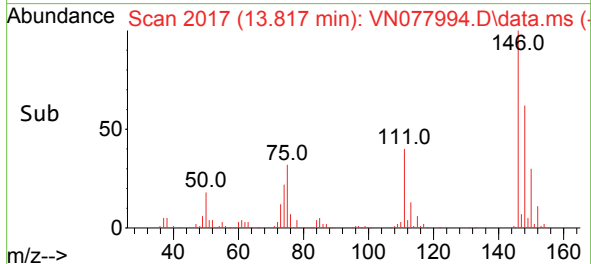
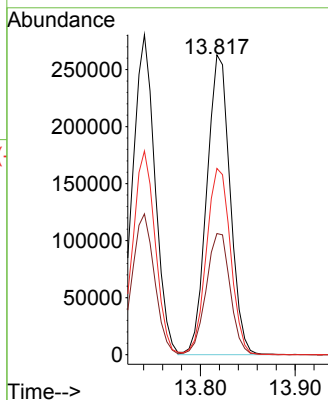
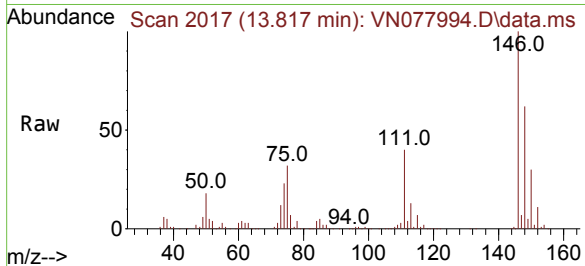




#88
1,4-Dichlorobenzene
Concen: 58.214 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

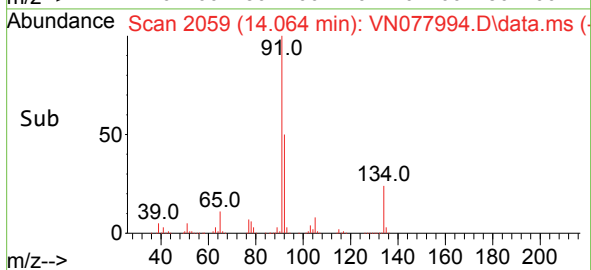
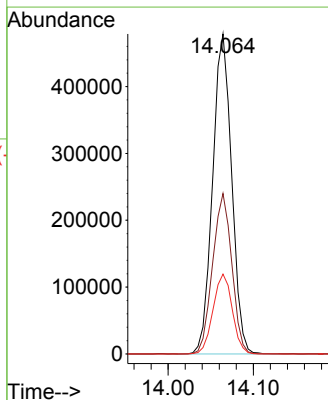
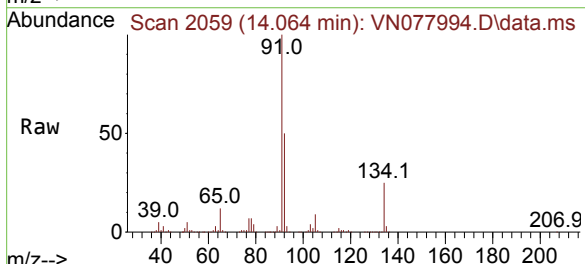
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526MSD

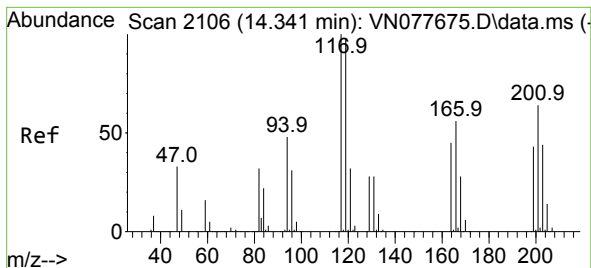
Tgt Ion:146 Resp: 447942
Ion Ratio Lower Upper
146 100
111 41.4 20.6 61.8
148 64.2 31.6 94.8



#89
n-Butylbenzene
Concen: 52.883 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VN077994.D
Acq: 31 May 2023 15:43

Tgt Ion: 91 Resp: 742940
Ion Ratio Lower Upper
91 100
92 50.5 26.4 79.0
134 25.2 12.6 37.6





#90

Hexachloroethane

Concen: 65.196 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. -0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

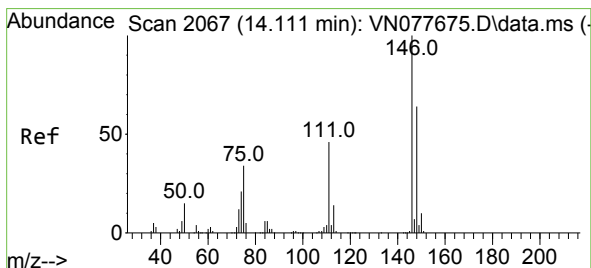
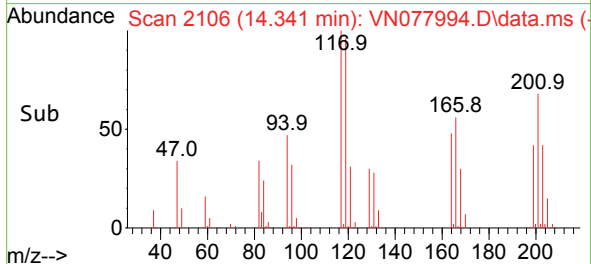
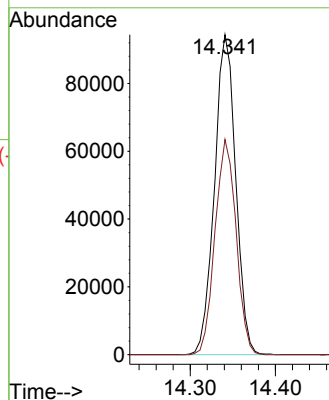
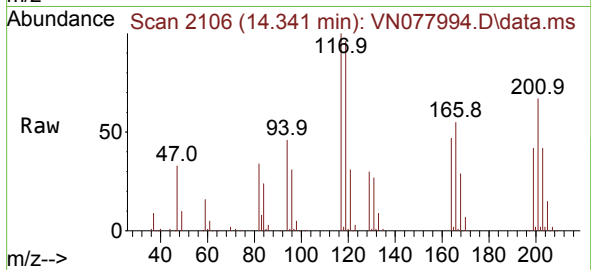
MH-140B-20230526MSD

Tgt Ion:117 Resp: 163589

Ion Ratio Lower Upper

117 100

201 66.6 29.3 88.0



#91

1,2-Dichlorobenzene

Concen: 62.419 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

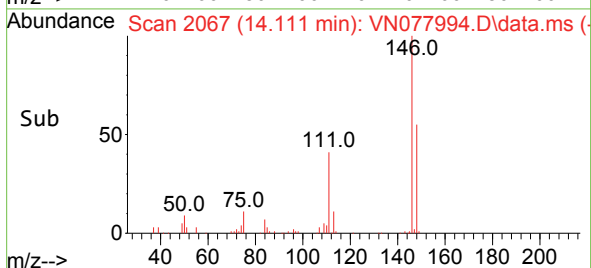
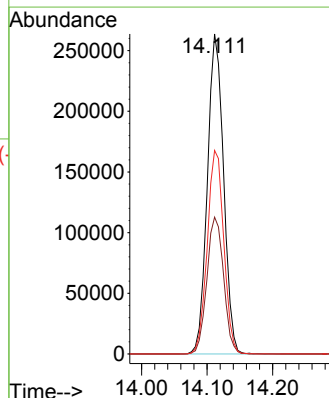
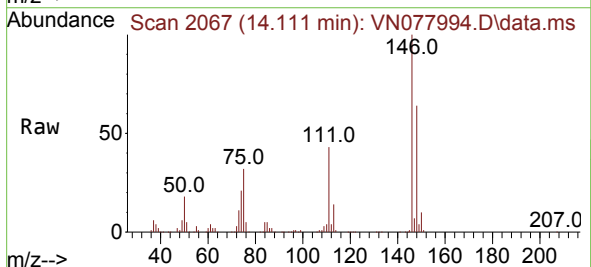
Tgt Ion:146 Resp: 452168

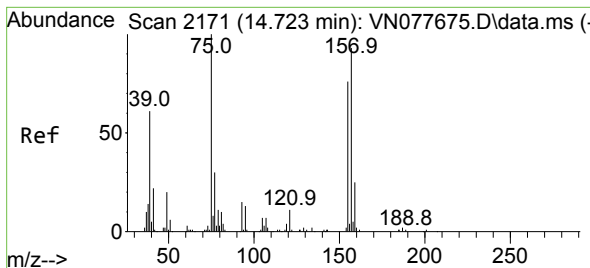
Ion Ratio Lower Upper

146 100

111 44.3 22.0 66.0

148 65.0 31.8 95.3

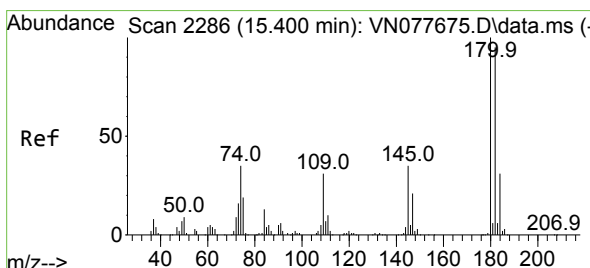
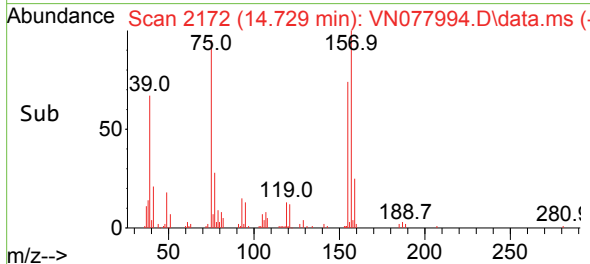
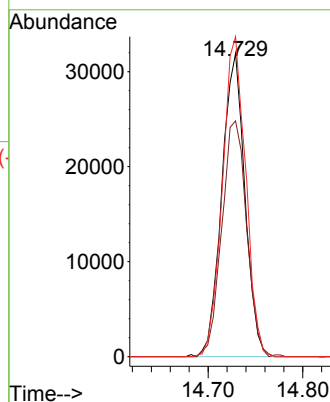
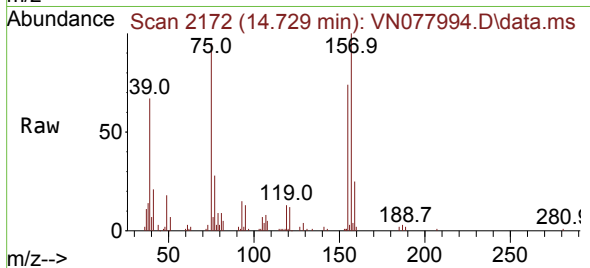




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.422 ug/l
 RT: 14.729 min Scan# 2171
 Delta R.T. 0.006 min
 Lab File: VN077994.D
 Acq: 31 May 2023 15:43

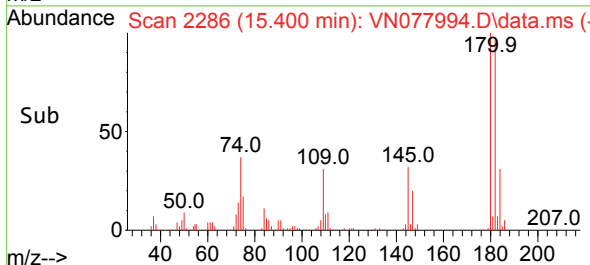
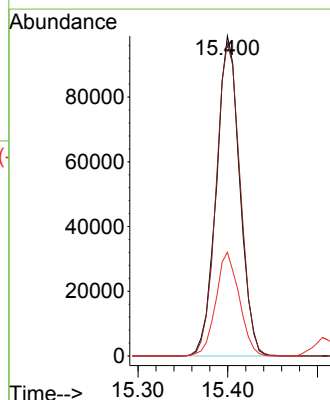
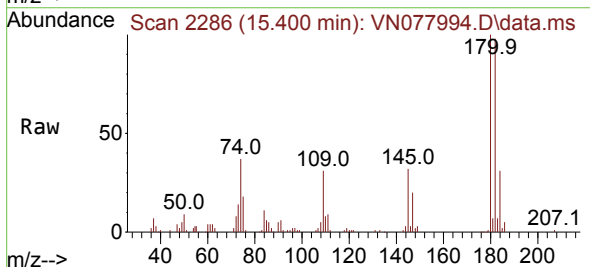
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MSD

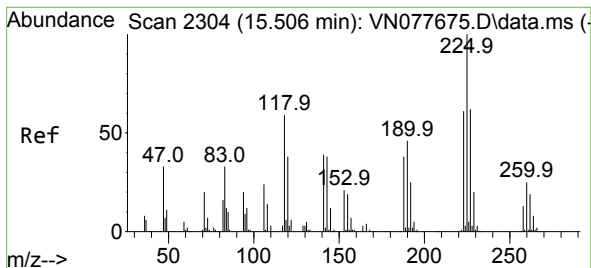
Tgt Ion: 75 Resp: 54083
 Ion Ratio Lower Upper
 75 100
 155 83.3 39.1 117.2
 157 106.0 50.3 150.9



#93
 1,2,4-Trichlorobenzene
 Concen: 42.134 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. -0.000 min
 Lab File: VN077994.D
 Acq: 31 May 2023 15:43

Tgt Ion: 180 Resp: 178364
 Ion Ratio Lower Upper
 180 100
 182 100.2 46.1 138.2
 145 32.5 16.6 49.8





#94

Hexachlorobutadiene

Concen: 47.442 ug/l

RT: 15.511 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526MSD

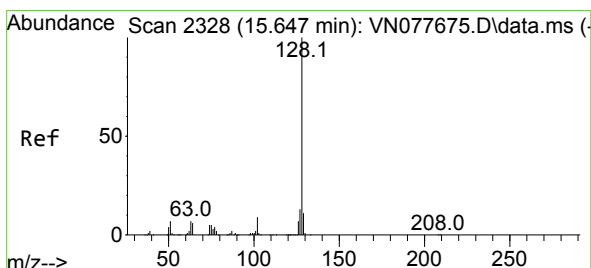
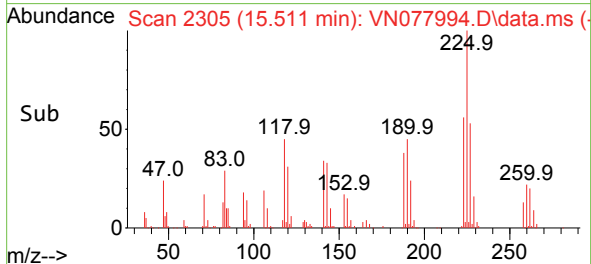
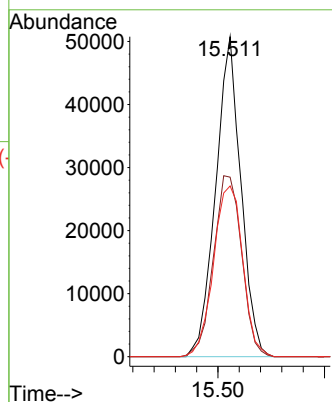
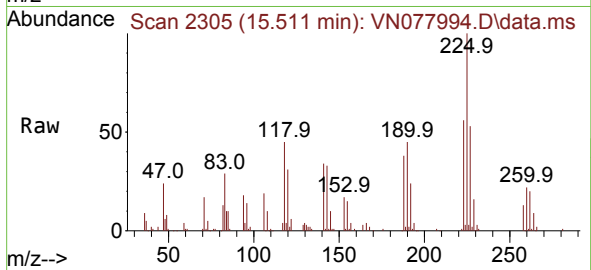
Tgt Ion:225 Resp: 83386

Ion Ratio Lower Upper

225 100

223 63.3 31.3 93.8

227 61.8 31.9 95.9



#95

Naphthalene

Concen: 38.720 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN077994.D

Acq: 31 May 2023 15:43

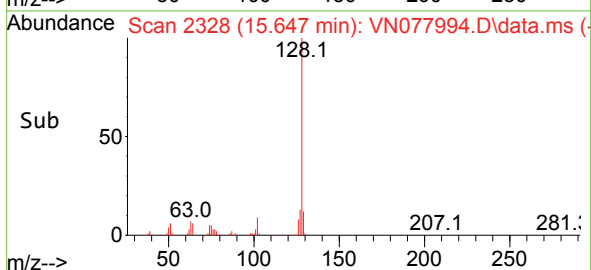
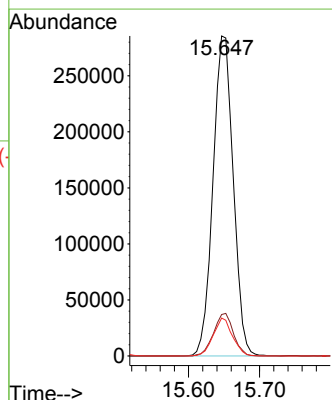
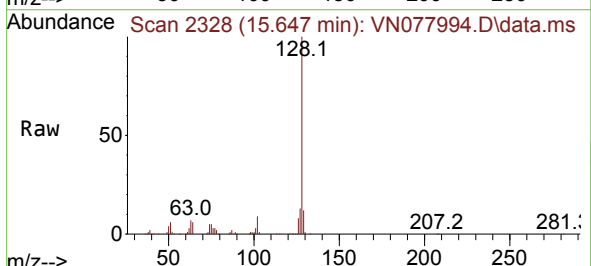
Tgt Ion:128 Resp: 564179

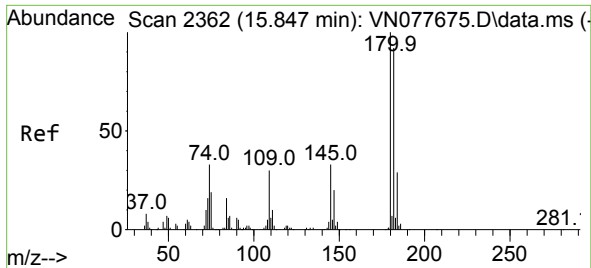
Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 11.3 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 46.665 ug/l

RT: 15.847 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077994.D

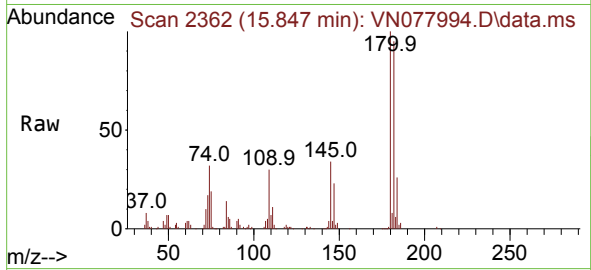
Acq: 31 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:180 Resp: 193415

Ion Ratio Lower Upper

180 100

182 93.5 46.2 138.6

145 33.5 17.5 52.6

