

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078428.D
 Acq On : 27 Jun 2023 19:53
 Operator : JC\MD
 Sample : 03376-06MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1MSD

Quant Time: Jun 28 07:15:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	365914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	645685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	571698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227692	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	281256	57.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.300%	
35) Dibromofluoromethane	8.177	113	245190	60.058	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 120.120%	
50) Toluene-d8	10.571	98	889321	56.505	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.020%#	
62) 4-Bromofluorobenzene	12.853	95	288486	58.961	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.920%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	184556	44.619	ug/l	99
3) Chloromethane	2.371	50	223791	57.795	ug/l	99
4) Vinyl Chloride	2.518	62	314165	58.004	ug/l	98
5) Bromomethane	2.942	94	227176	55.500	ug/l	96
6) Chloroethane	3.118	64	232680	63.019	ug/l	95
7) Trichlorofluoromethane	3.500	101	395687	53.873	ug/l	95
8) Diethyl Ether	3.977	74	138099	53.511	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	212555	54.835	ug/l	97
10) Methyl Iodide	4.600	142	313438	57.178	ug/l	97
11) Tert butyl alcohol	5.536	59	188378	279.636	ug/l	100
12) 1,1-Dichloroethene	4.353	96	215891	54.030	ug/l	94
13) Acrolein	4.189	56	244032	328.683	ug/l	94
14) Allyl chloride	5.030	41	276136	56.613	ug/l	94
15) Acrylonitrile	5.730	53	536143	308.698	ug/l	99
16) Acetone	4.436	43	403959	287.662	ug/l	90
17) Carbon Disulfide	4.718	76	533720	51.894	ug/l	98
18) Methyl Acetate	5.036	43	352740	54.559	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	731682	57.392	ug/l	95
20) Methylene Chloride	5.283	84	257963	55.589	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	240463	55.796	ug/l	89
22) Diisopropyl ether	6.683	45	696606	60.715	ug/l	95
23) Vinyl Acetate	6.612	43	1992290	292.113	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	441464	58.327	ug/l	99
25) 2-Butanone	7.494	43	662921	306.981	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	329796	59.013	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	282899	55.031	ug/l	93
28) Bromochloromethane	7.818	49	202260	58.202	ug/l	93
29) Tetrahydrofuran	7.847	42	435321	301.546	ug/l	85
30) Chloroform	7.971	83	529852	65.011	ug/l	96
31) Cyclohexane	8.265	56	333123	53.229	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	429025	59.959	ug/l	97
36) 1,1-Dichloropropene	8.377	75	354780	60.584	ug/l	96
37) Ethyl Acetate	7.565	43	278311	60.837	ug/l	94
38) Carbon Tetrachloride	8.371	117	378999	61.293	ug/l	96
39) Methylcyclohexane	9.606	83	299870	49.412	ug/l	90
40) Benzene	8.612	78	1046833	59.879	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	148082	59.720	ug/l	95
42) 1,2-Dichloroethane	8.677	62	354566	59.151	ug/l	98
43) Isopropyl Acetate	8.694	43	483636	55.280	ug/l	94
44) Trichloroethene	9.359	130	268907	58.243	ug/l	96
45) 1,2-Dichloropropane	9.629	63	266800	61.338	ug/l	98
46) Dibromomethane	9.718	93	194689	60.768	ug/l	94
47) Bromodichloromethane	9.894	83	388058	65.207	ug/l	99
48) Methyl methacrylate	9.688	41	226396	61.663	ug/l	91
49) 1,4-Dioxane	9.700	88	89707	1162.499	ug/l #	89
51) 4-Methyl-2-Pentanone	10.453	43	1463698	317.707	ug/l	93
52) Toluene	10.635	92	666689	60.399	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	390946	63.077	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	412197	60.164	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	267428	64.046	ug/l	97
56) Ethyl methacrylate	10.876	69	380841	62.639	ug/l	92
57) 1,3-Dichloropropane	11.171	76	447069	63.430	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.200	63	562	0.229	ug/l #	42
59) 2-Hexanone	11.200	43	1029602	320.962	ug/l	92
60) Dibromochloromethane	11.365	129	296014	64.785	ug/l	100
61) 1,2-Dibromoethane	11.476	107	271169	61.883	ug/l	99
64) Tetrachloroethene	11.112	164	388626	101.895	ug/l	99
65) Chlorobenzene	11.894	112	708978	57.908	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	280304	62.248	ug/l	97
67) Ethyl Benzene	11.970	91	1254376	59.377	ug/l	97
68) m/p-Xylenes	12.076	106	950879	118.107	ug/l	97
69) o-Xylene	12.400	106	467232	59.097	ug/l	97
70) Styrene	12.418	104	753799	60.562	ug/l	98
71) Bromoform	12.582	173	186901	64.315	ug/l #	100
73) Isopropylbenzene	12.700	105	1128118	52.394	ug/l	98
74) N-amyl acetate	12.500	43	384477	54.225	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	370510	63.212	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	441193	81.965	ug/l	71
77) Bromobenzene	12.982	156	269675	53.954	ug/l	98
78) n-propylbenzene	13.041	91	1259034	53.821	ug/l	100
79) 2-Chlorotoluene	13.129	91	802305	53.132	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	914969	52.487	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	98666	56.316	ug/l	90
82) 4-Chlorotoluene	13.223	91	763104	54.147	ug/l	97
83) tert-Butylbenzene	13.441	119	765921	50.546	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	920965	54.493	ug/l	100
85) sec-Butylbenzene	13.623	105	951534	47.977	ug/l	99
86) p-Isopropyltoluene	13.735	119	798499	49.613	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	441465	52.216	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	428389	52.511	ug/l	99
89) n-Butylbenzene	14.059	91	600401	47.295	ug/l	96
90) Hexachloroethane	14.341	117	147439	51.620	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	436891	52.874	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	56573	53.046	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	135354	45.976	ug/l	98
94) Hexachlorobutadiene	15.506	225	70423	48.733	ug/l	96
95) Naphthalene	15.647	128	433949	43.820	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	149570	45.426	ug/l	97

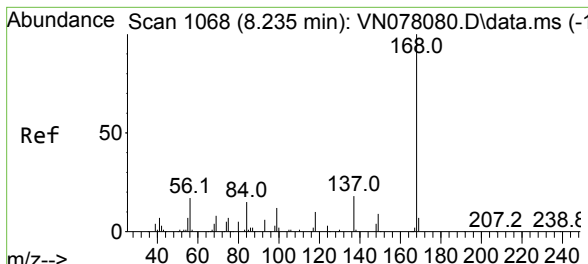
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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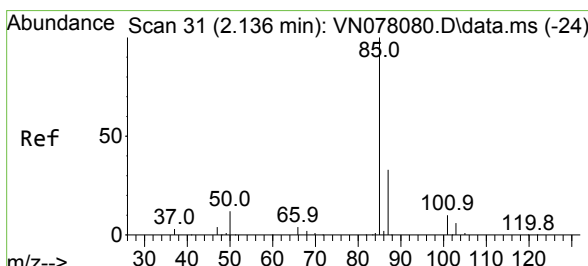
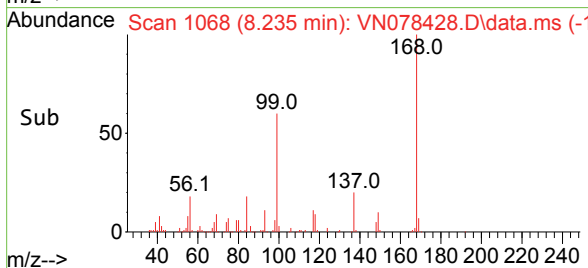
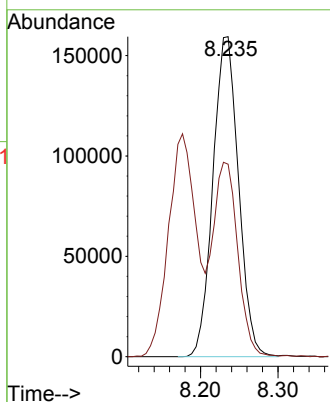
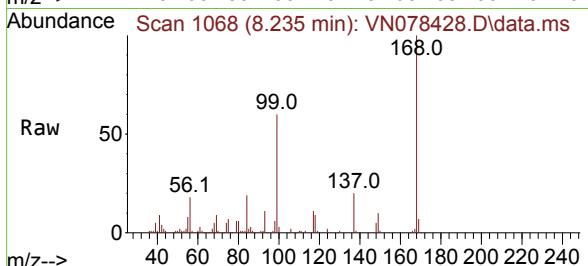
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078428.D
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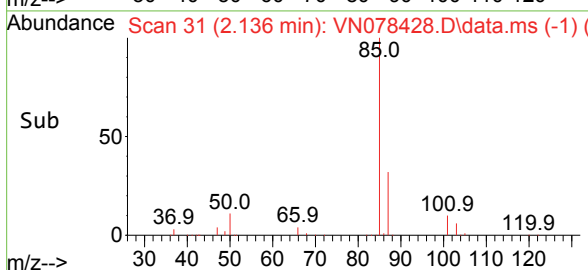
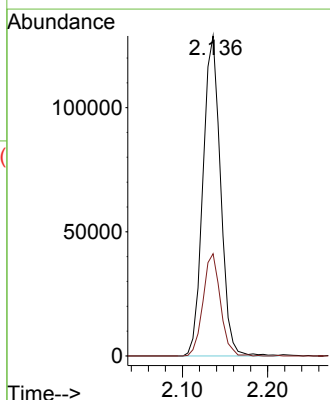
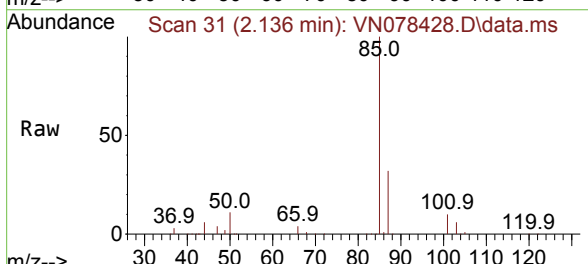
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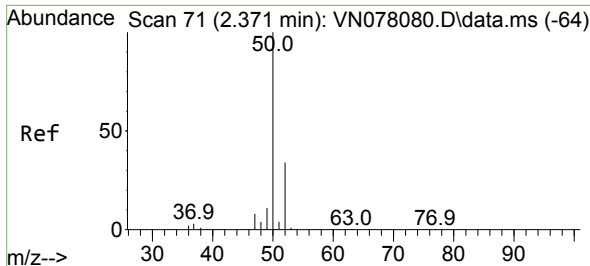
Tgt Ion:168 Resp: 365914
Ion Ratio Lower Upper
168 100
99 60.0 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 44.619 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 85 Resp: 184556
Ion Ratio Lower Upper
85 100
87 31.9 15.8 47.4

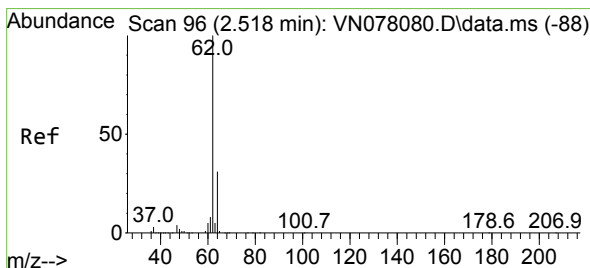
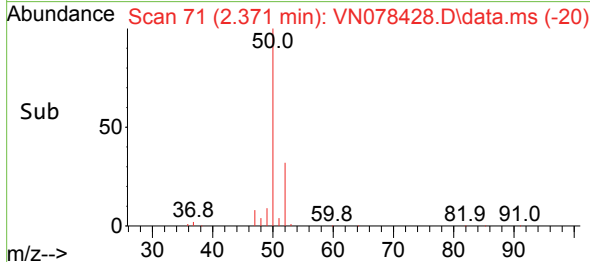
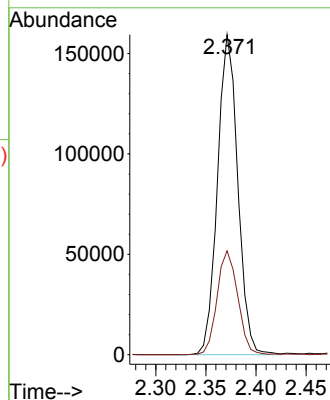
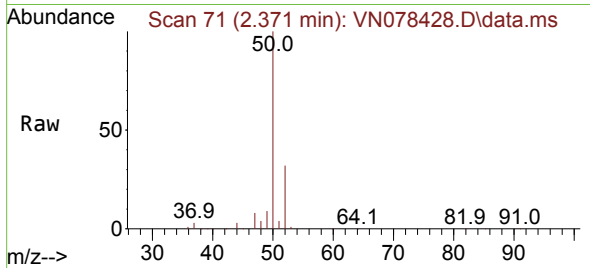




#3
 Chloromethane
 Concen: 57.795 ug/l
 RT: 2.371 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

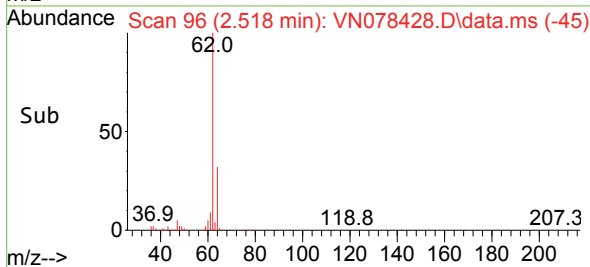
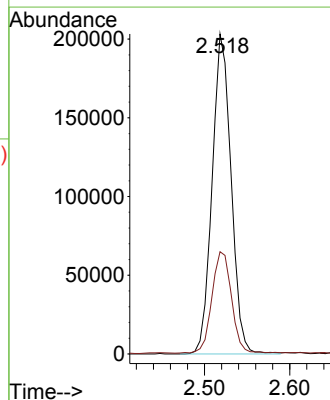
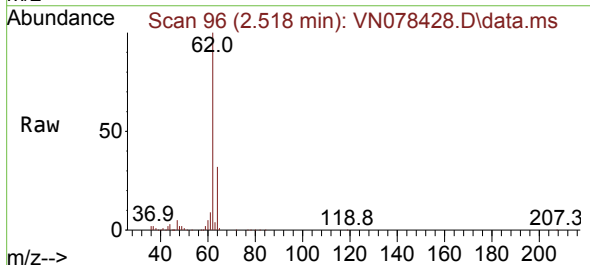
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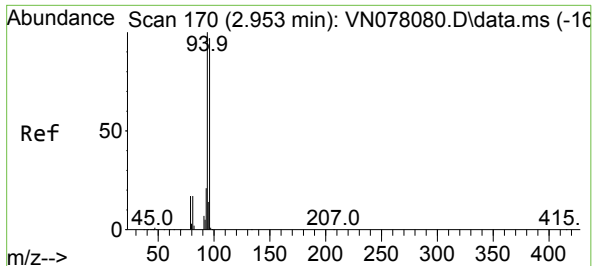
Tgt Ion: 50 Resp: 223791
 Ion Ratio Lower Upper
 50 100
 52 32.4 26.5 39.7



#4
 Vinyl Chloride
 Concen: 58.004 ug/l
 RT: 2.518 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

Tgt Ion: 62 Resp: 314165
 Ion Ratio Lower Upper
 62 100
 64 31.6 26.2 39.2

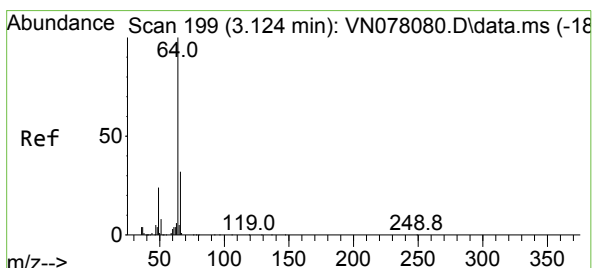
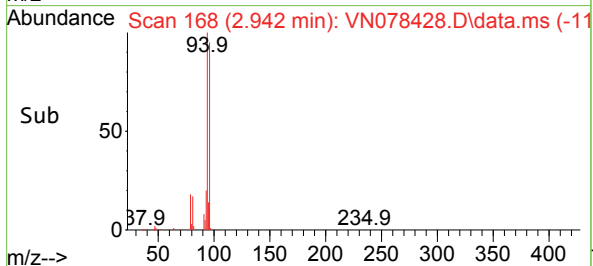
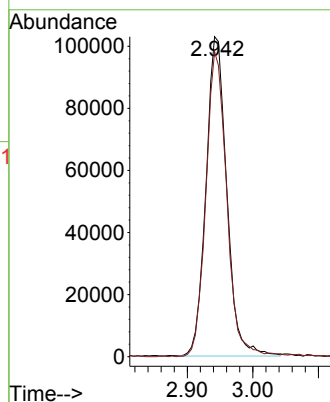
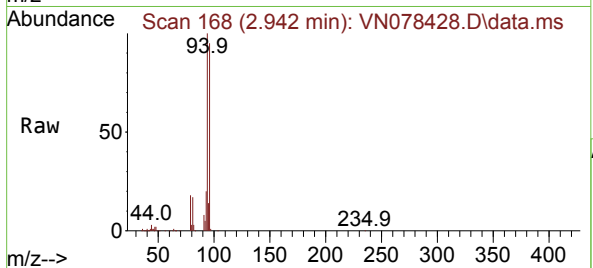




#5
Bromomethane
Concen: 55.500 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN078428.D
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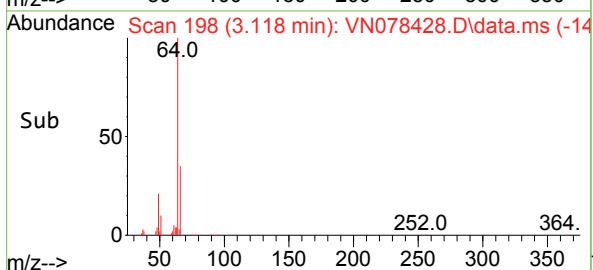
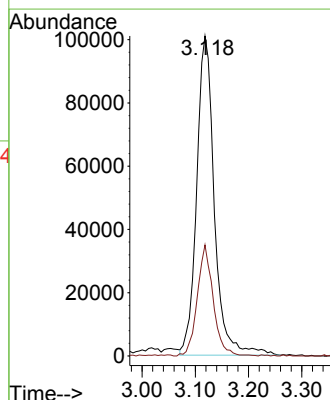
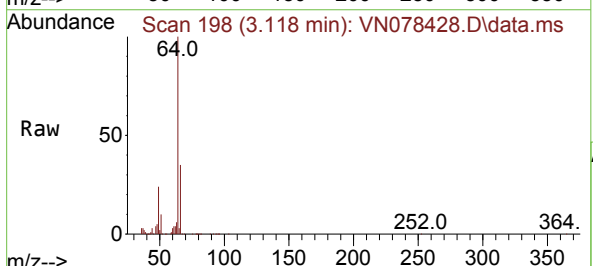
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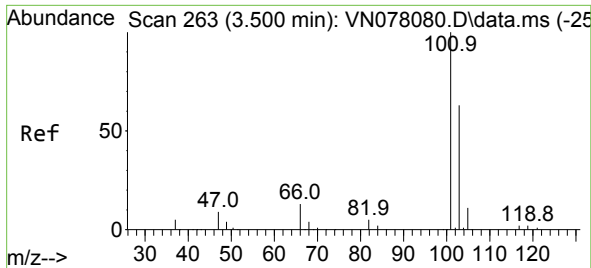
Tgt Ion: 94 Resp: 227176
Ion Ratio Lower Upper
94 100
96 95.3 73.1 109.7



#6
Chloroethane
Concen: 63.019 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 64 Resp: 232680
Ion Ratio Lower Upper
64 100
66 34.8 25.4 38.2

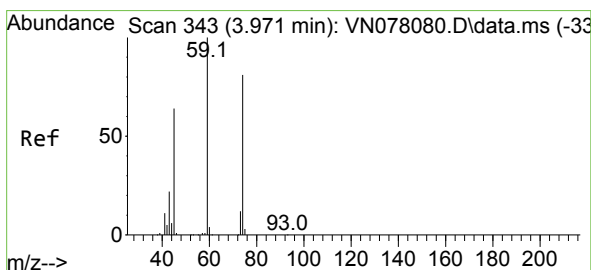
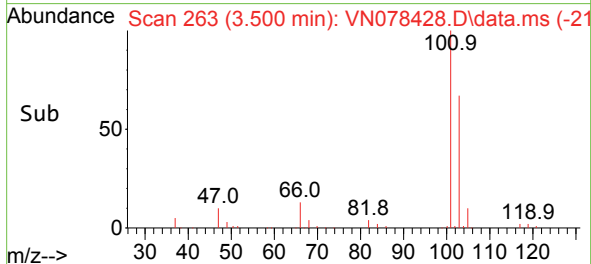
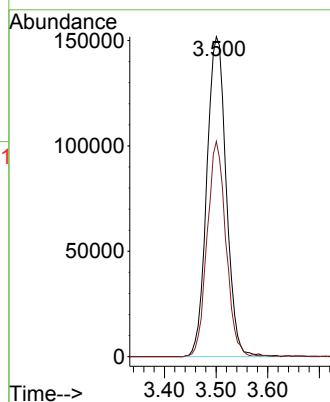
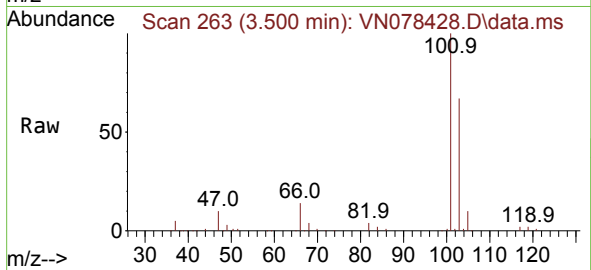




#7
 Trichlorofluoromethane
 Concen: 53.873 ug/l
 RT: 3.500 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078428.D
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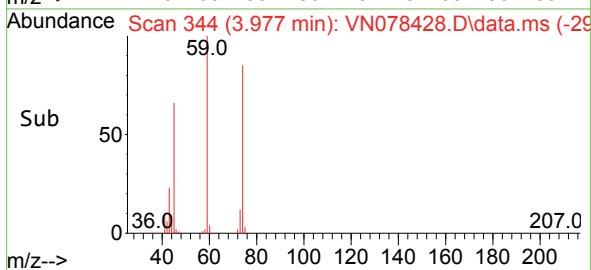
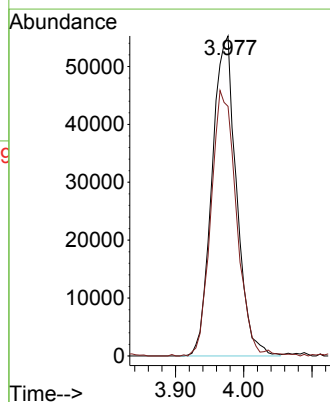
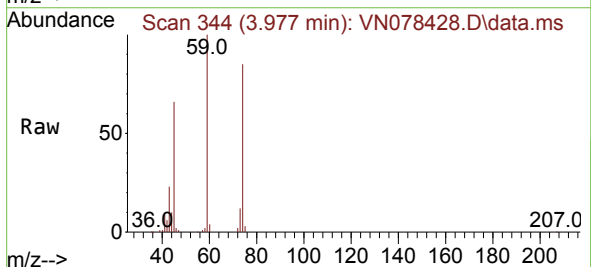
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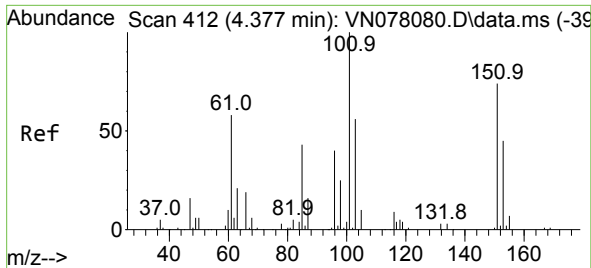
Tgt Ion:101 Resp: 395687
 Ion Ratio Lower Upper
 101 100
 103 67.3 50.7 76.1



#8
 Diethyl Ether
 Concen: 53.511 ug/l
 RT: 3.977 min Scan# 344
 Delta R.T. 0.006 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

Tgt Ion: 74 Resp: 138099
 Ion Ratio Lower Upper
 74 100
 45 86.5 34.4 103.3

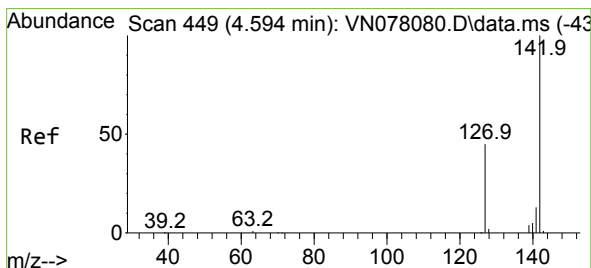
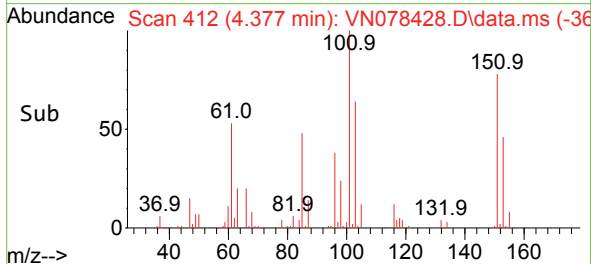
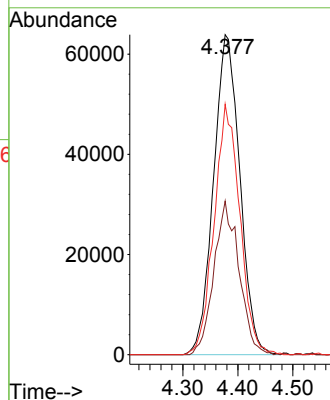
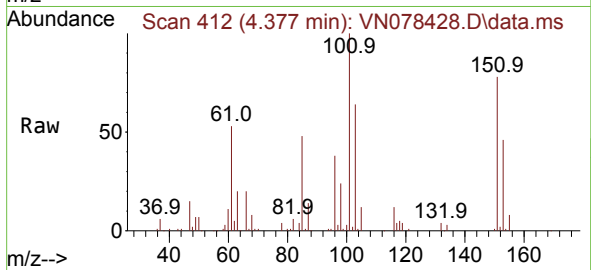




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.835 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.000 min
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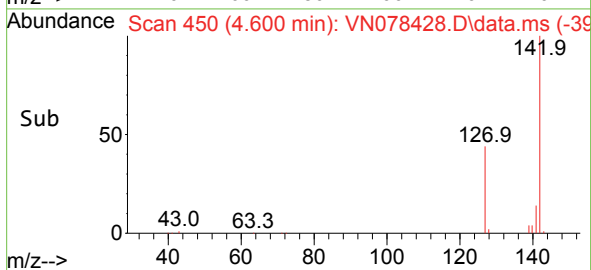
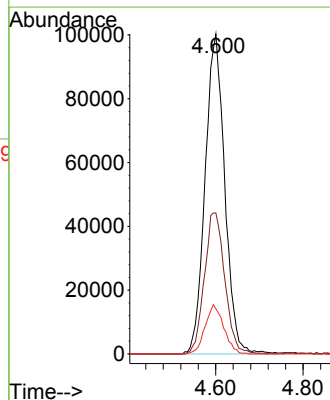
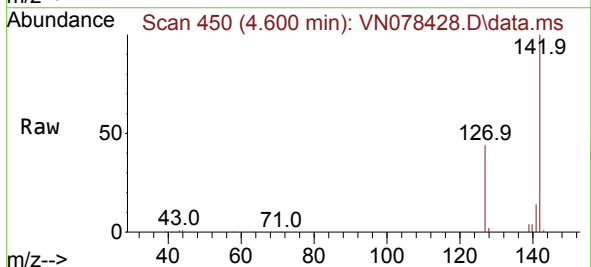
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

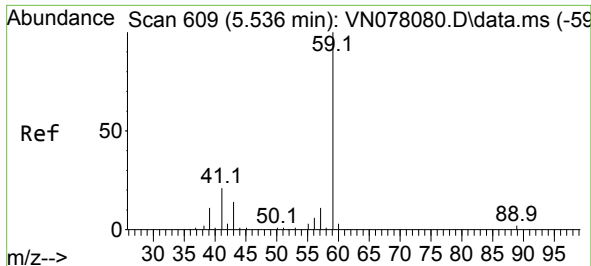
Tgt Ion:101 Resp: 212555
Ion Ratio Lower Upper
101 100
85 45.9 36.6 55.0
151 76.5 57.6 86.4



#10
Methyl Iodide
Concen: 57.178 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion:142 Resp: 313438
Ion Ratio Lower Upper
142 100
127 44.1 37.6 56.4
141 14.1 11.4 17.0

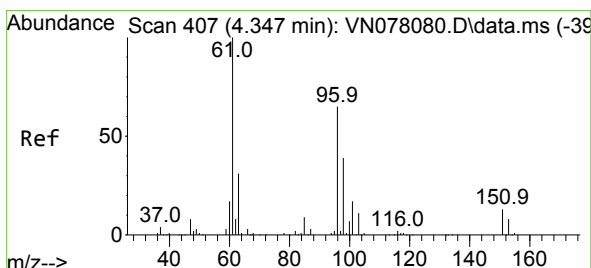
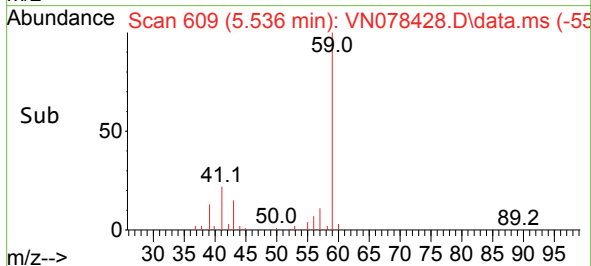
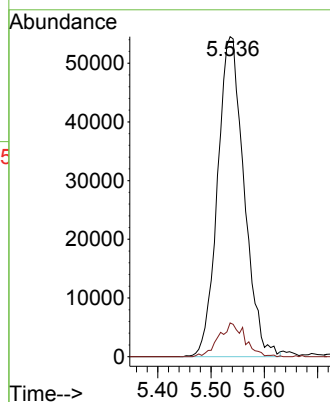
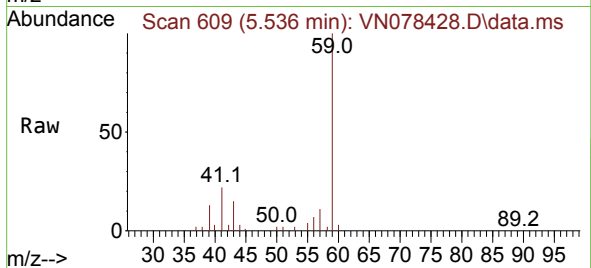




#11
Tert butyl alcohol
Concen: 279.636 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

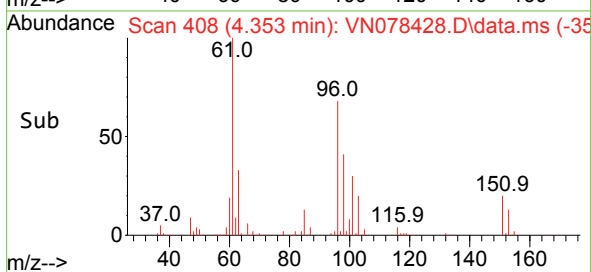
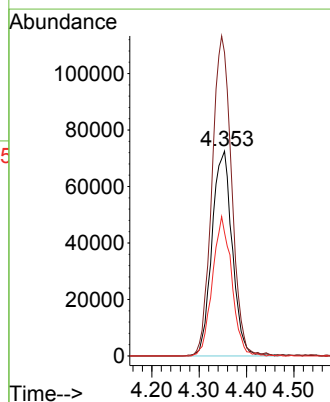
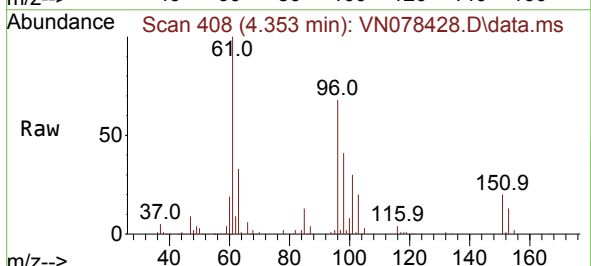
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

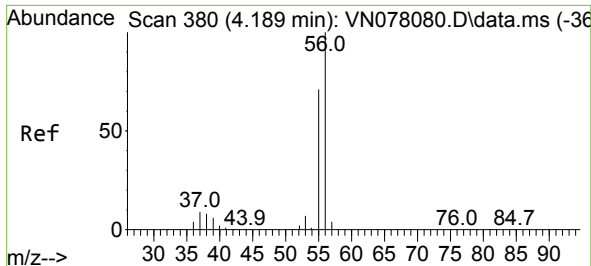
Tgt Ion: 59 Resp: 188378
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4



#12
1,1-Dichloroethene
Concen: 54.030 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 96 Resp: 215891
Ion Ratio Lower Upper
96 100
61 148.1 112.7 169.1
98 60.3 51.2 76.8





#13

Acrolein

Concen: 328.683 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

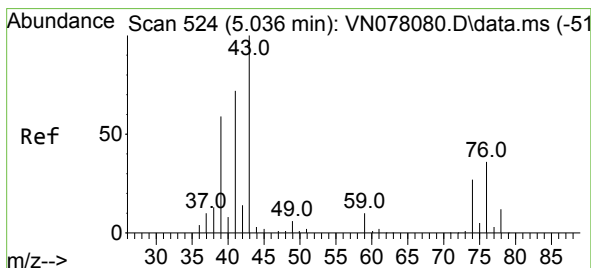
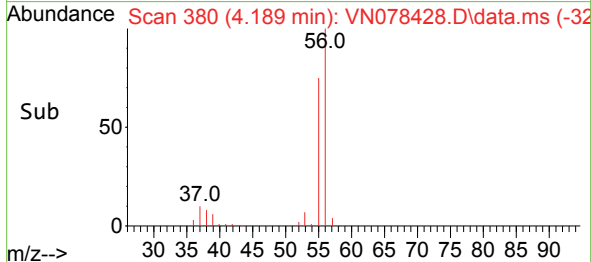
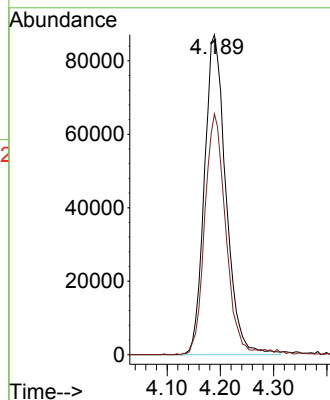
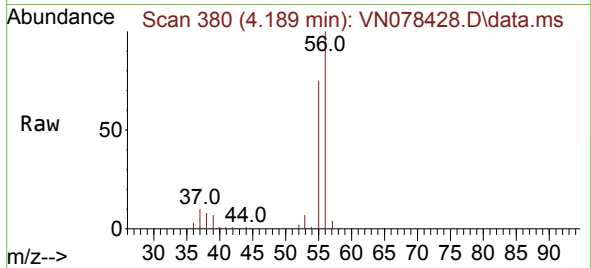
TW-1MSD

Tgt Ion: 56 Resp: 244032

Ion Ratio Lower Upper

56 100

55 73.2 54.5 81.7



#14

Allyl chloride

Concen: 56.613 ug/l

RT: 5.030 min Scan# 523

Delta R.T. -0.006 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

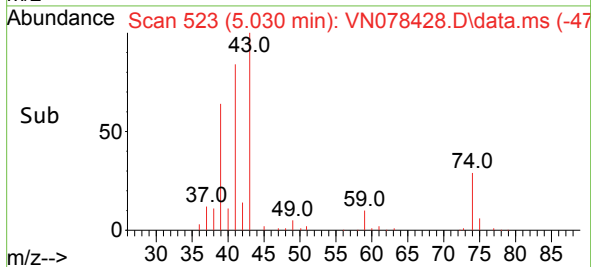
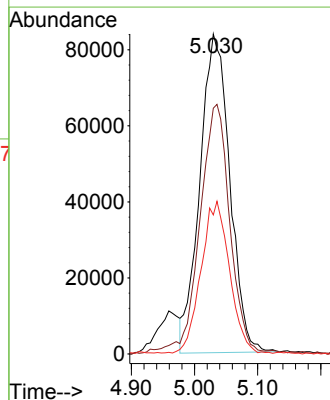
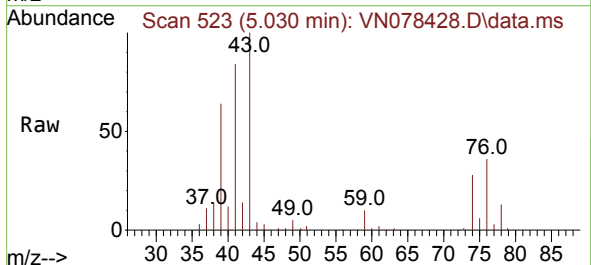
Tgt Ion: 41 Resp: 276136

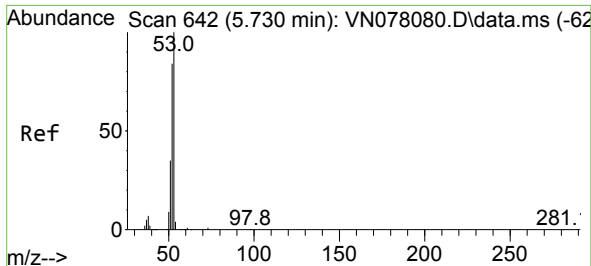
Ion Ratio Lower Upper

41 100

39 78.8 58.8 88.2

76 45.4 39.1 58.7

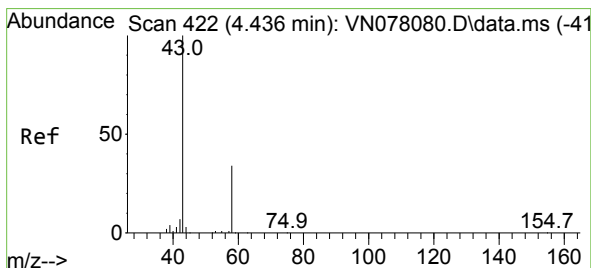
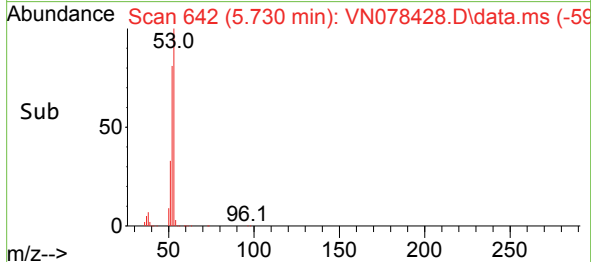
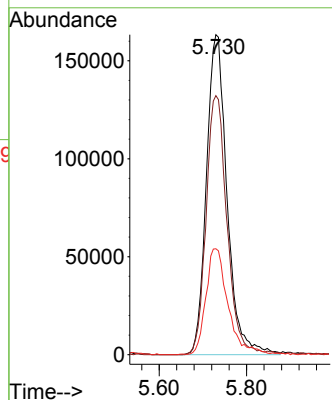
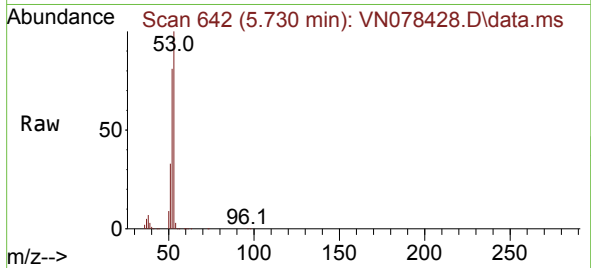




#15
Acrylonitrile
Concen: 308.698 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

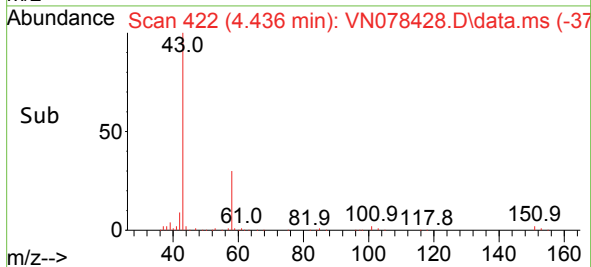
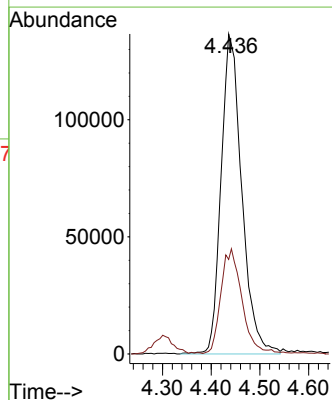
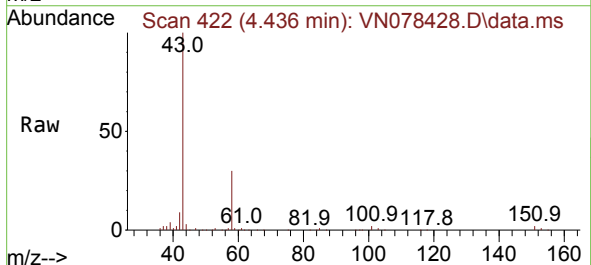
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

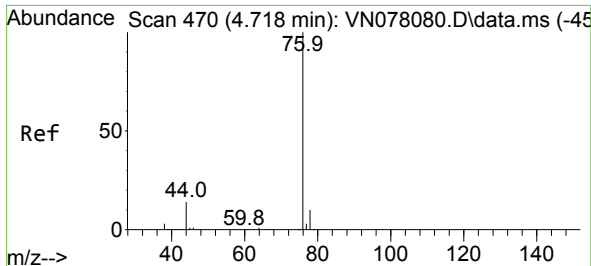
Tgt Ion: 53 Resp: 536143
Ion Ratio Lower Upper
53 100
52 81.5 65.3 97.9
51 35.1 28.9 43.3



#16
Acetone
Concen: 287.662 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 43 Resp: 403959
Ion Ratio Lower Upper
43 100
58 29.0 28.0 42.0

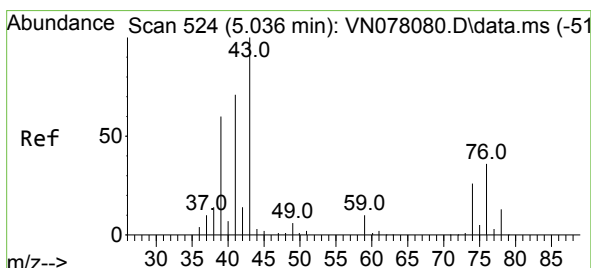
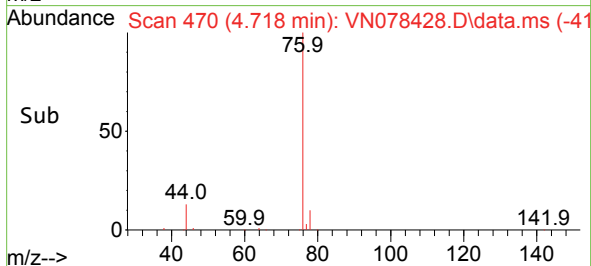
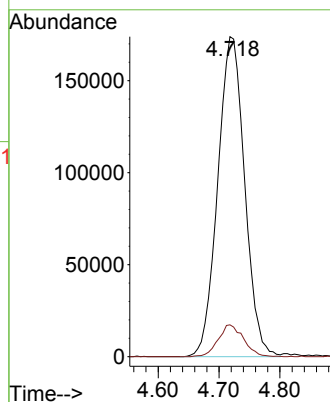
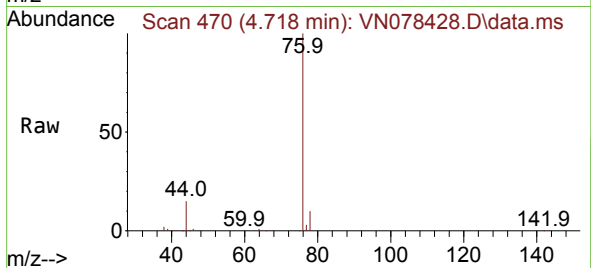




#17
Carbon Disulfide
Concen: 51.894 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

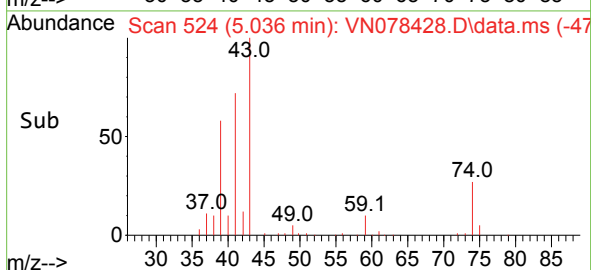
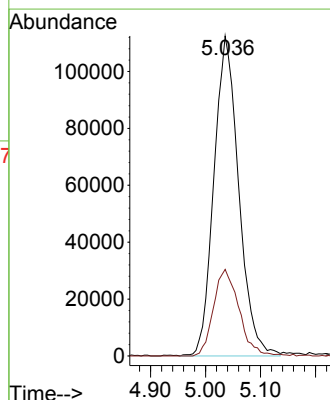
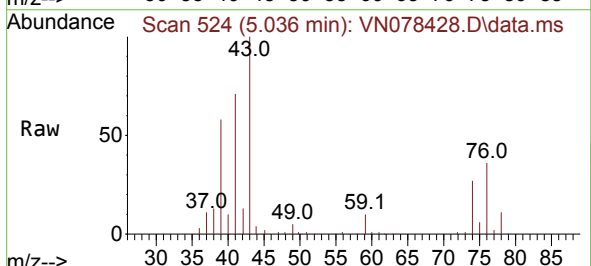
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

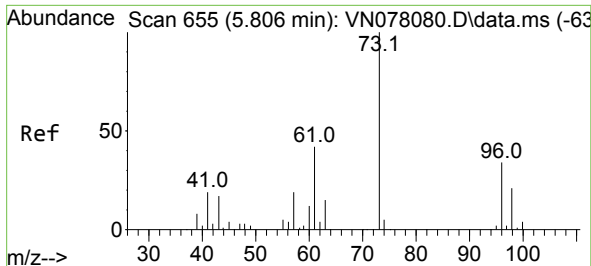
Tgt Ion: 76 Resp: 533720
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0



#18
Methyl Acetate
Concen: 54.559 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 43 Resp: 352740
Ion Ratio Lower Upper
43 100
74 27.9 26.2 39.4

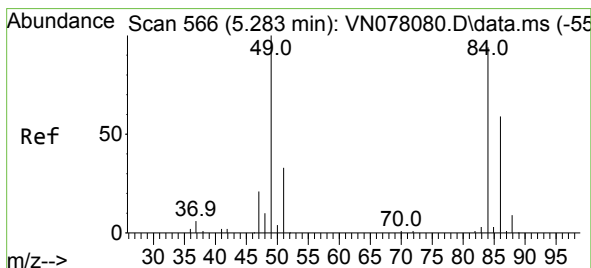
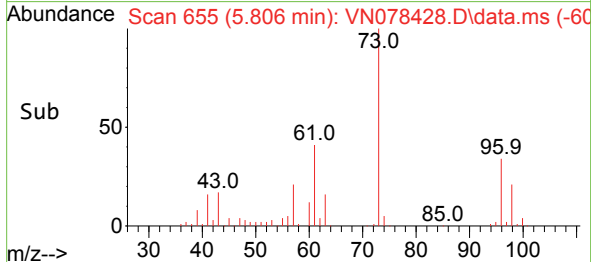
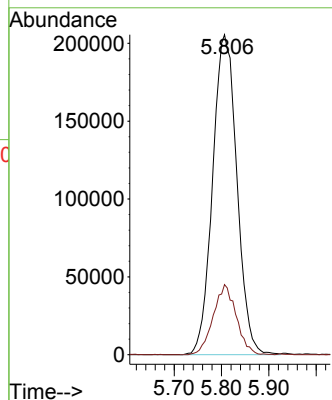
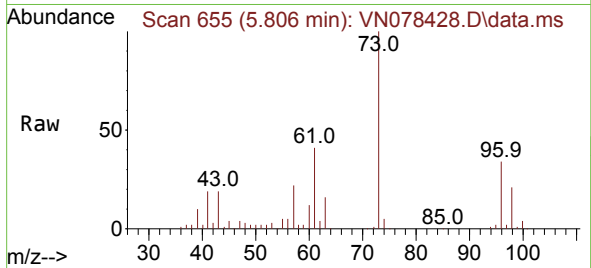




#19
Methyl tert-butyl Ether
Concen: 57.392 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

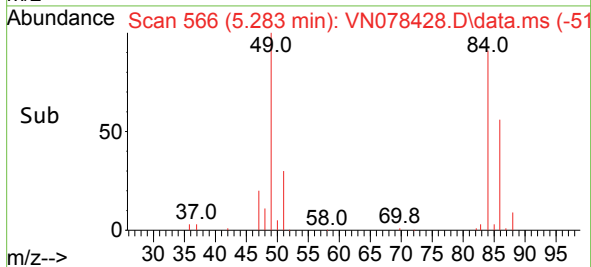
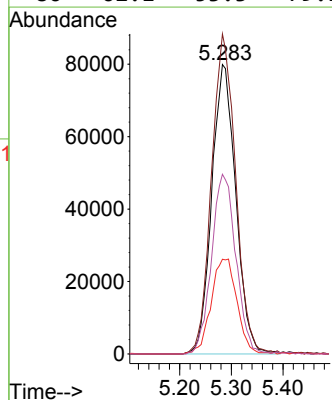
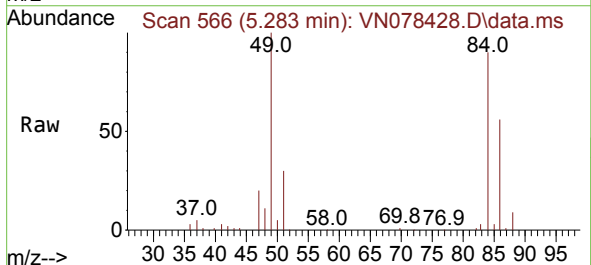
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

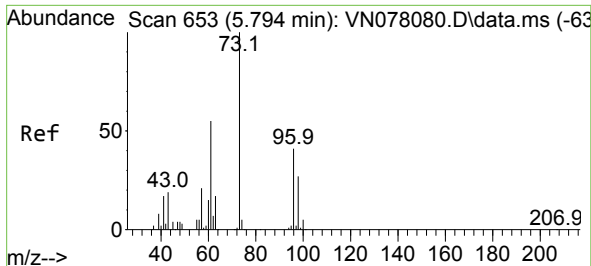
Tgt Ion: 73 Resp: 731682
Ion Ratio Lower Upper
73 100
57 21.9 15.6 23.4



#20
Methylene Chloride
Concen: 55.589 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 84 Resp: 257963
Ion Ratio Lower Upper
84 100
49 110.6 79.7 119.5
51 32.7 25.2 37.8
86 62.1 53.3 79.9

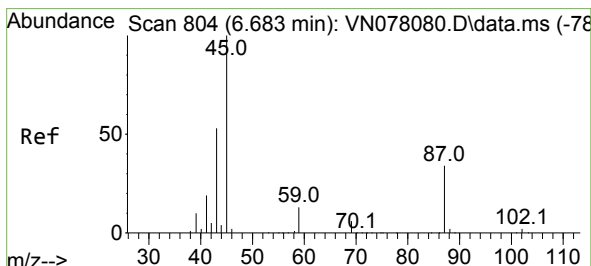
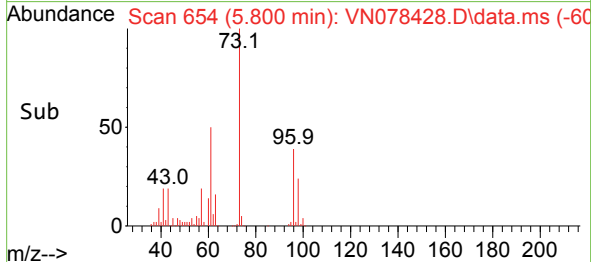
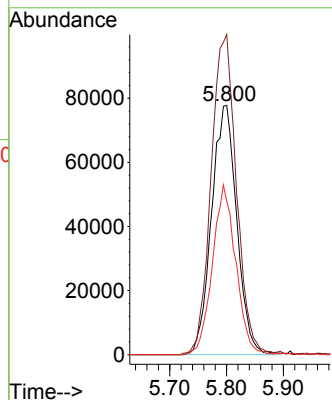
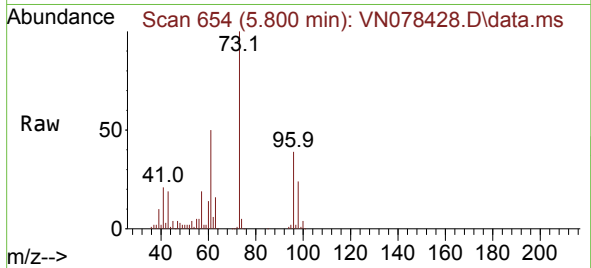




#21
trans-1,2-Dichloroethene
Concen: 55.796 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

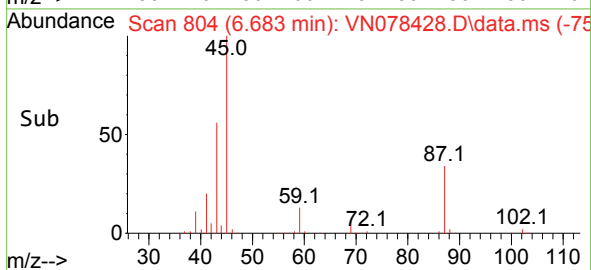
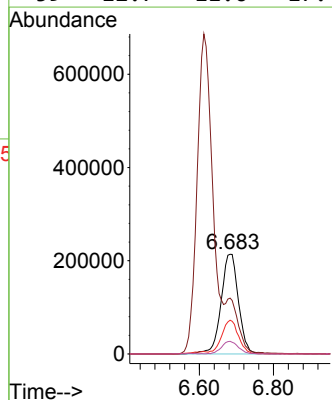
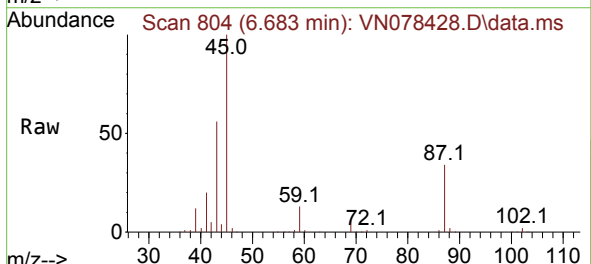
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

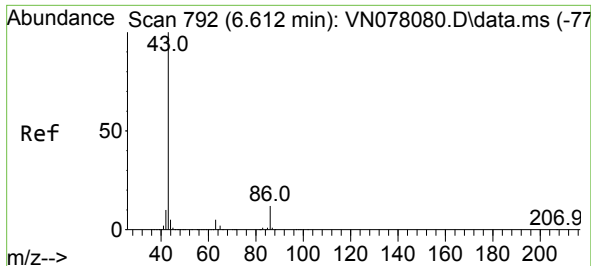
Tgt Ion: 96 Resp: 240463
Ion Ratio Lower Upper
96 100
61 128.4 90.1 135.1
98 61.5 46.4 69.6



#22
Diisopropyl ether
Concen: 60.715 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 45 Resp: 696606
Ion Ratio Lower Upper
45 100
43 55.6 45.5 68.3
87 33.8 31.8 47.8
59 12.7 11.6 17.4

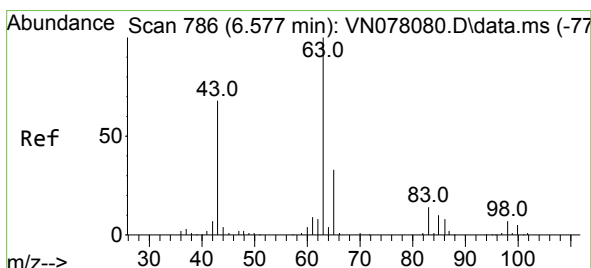
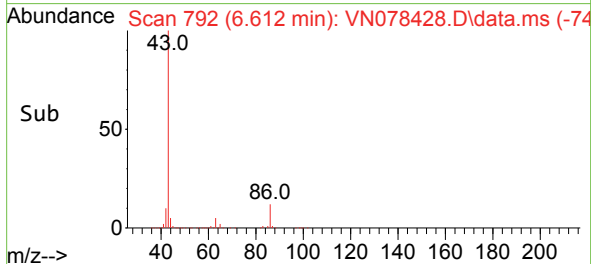
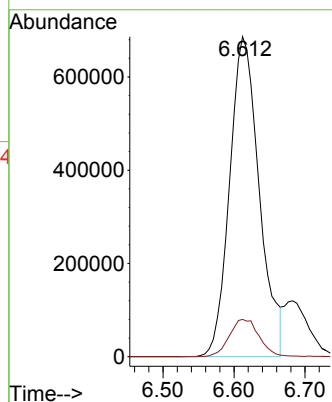
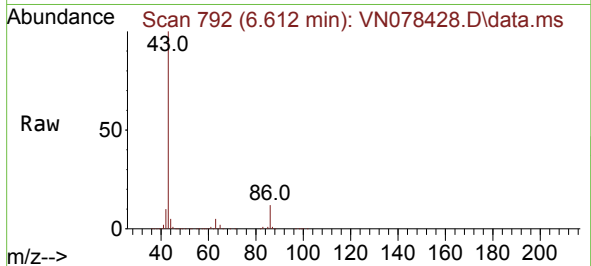




#23
 Vinyl Acetate
 Concen: 292.113 ug/l
 RT: 6.612 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

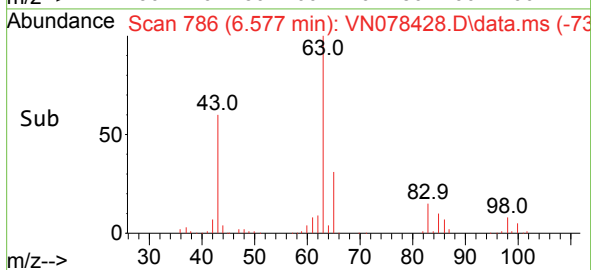
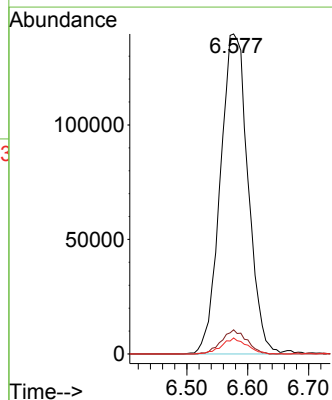
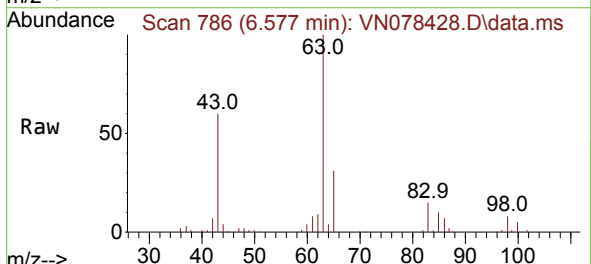
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1MSD

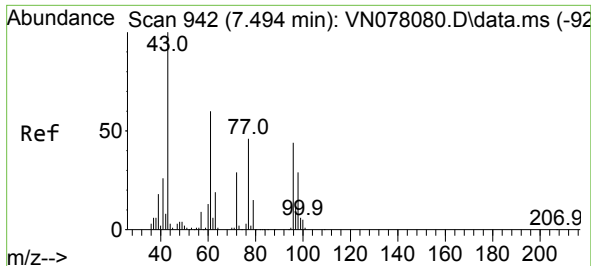
Tgt Ion: 43 Resp: 1992290
 Ion Ratio Lower Upper
 43 100
 86 11.7 13.0 19.6#



#24
 1,1-Dichloroethane
 Concen: 58.327 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. 0.000 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

Tgt Ion: 63 Resp: 441464
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.9 11.7
 100 5.0 2.5 7.4

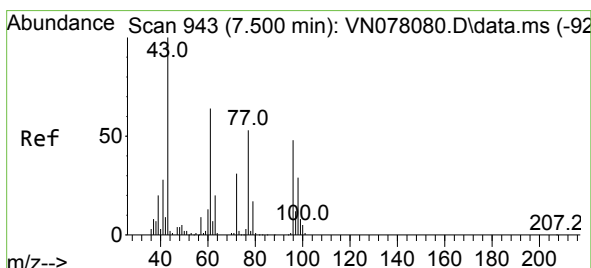
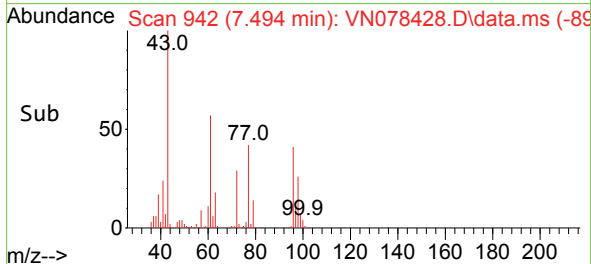
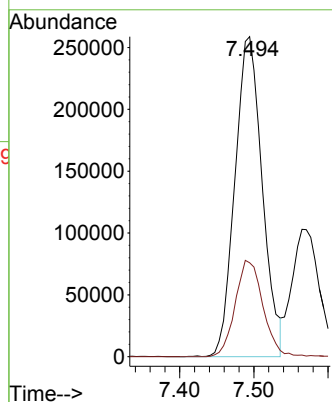
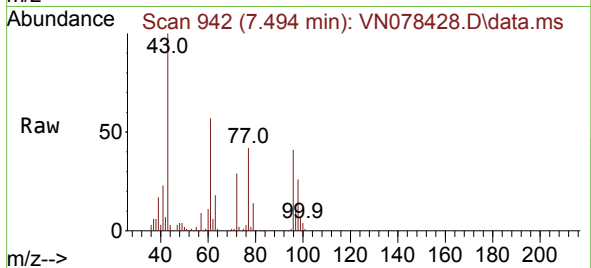




#25
2-Butanone
Concen: 306.981 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

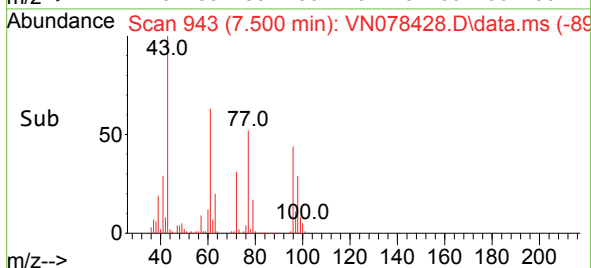
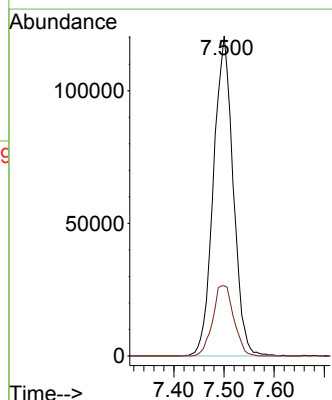
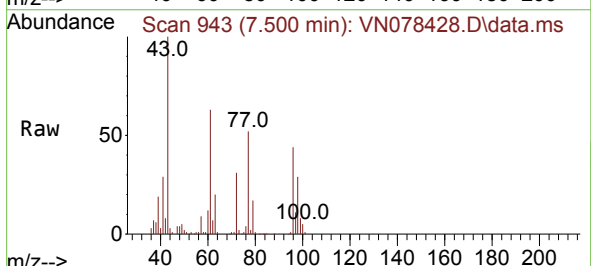
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

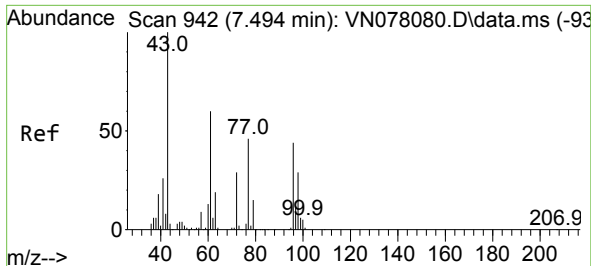
Tgt Ion: 43 Resp: 662921
Ion Ratio Lower Upper
43 100
72 29.4 30.2 45.2#



#26
2,2-Dichloropropane
Concen: 59.013 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 77 Resp: 329796
Ion Ratio Lower Upper
77 100
97 23.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 55.031 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

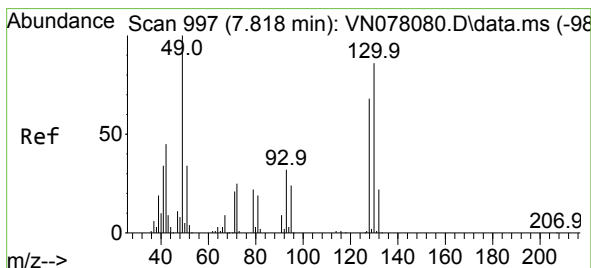
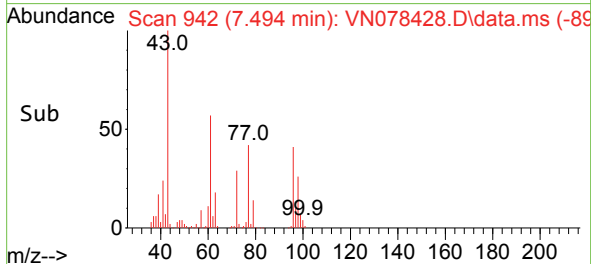
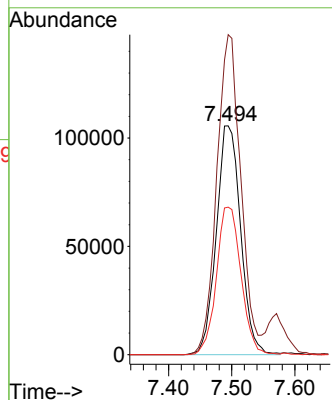
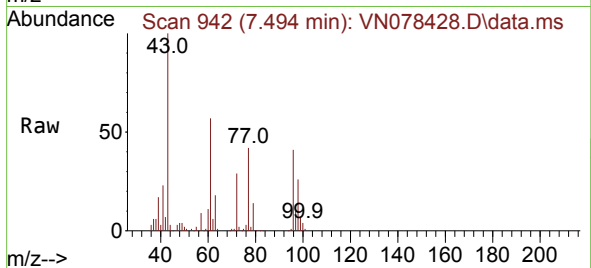
Tgt Ion: 96 Resp: 282899

Ion Ratio Lower Upper

96 100

61 138.5 0.0 255.2

98 65.1 0.0 128.8



#28

Bromochloromethane

Concen: 58.202 ug/l

RT: 7.818 min Scan# 997

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

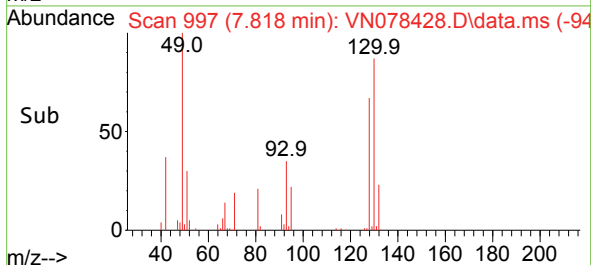
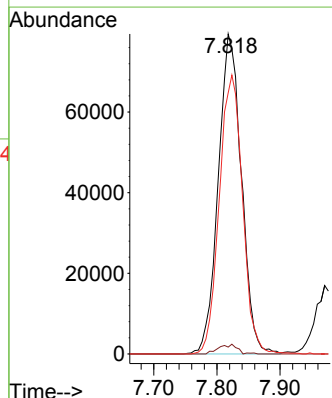
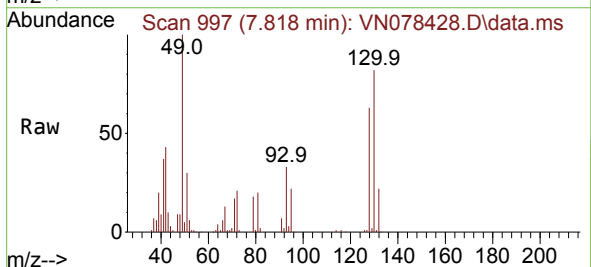
Tgt Ion: 49 Resp: 202260

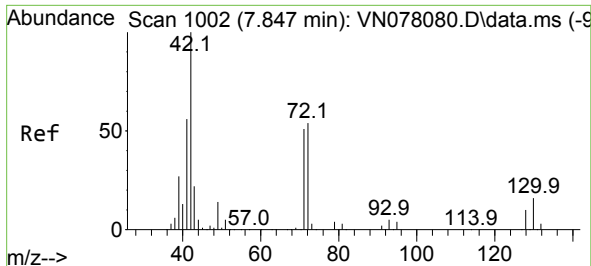
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.8

130 87.4 75.3 112.9





#29

Tetrahydrofuran

Concen: 301.546 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

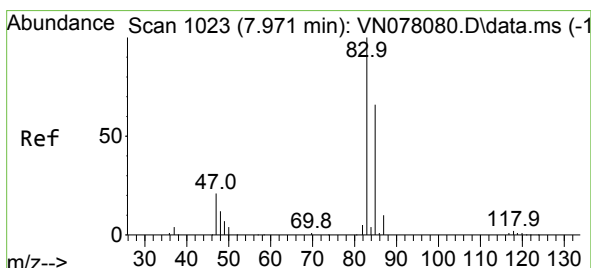
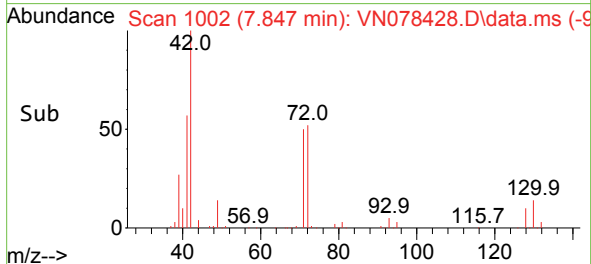
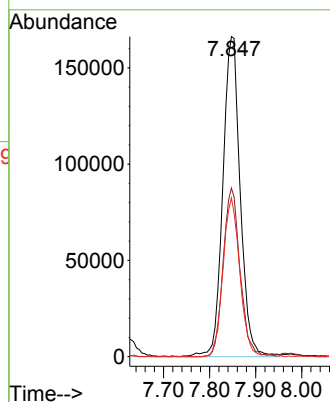
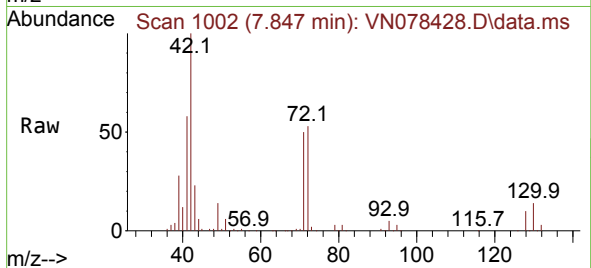
Tgt Ion: 42 Resp: 435321

Ion Ratio Lower Upper

42 100

72 51.0 49.8 74.6

71 47.9 47.4 71.2



#30

Chloroform

Concen: 65.011 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN078428.D

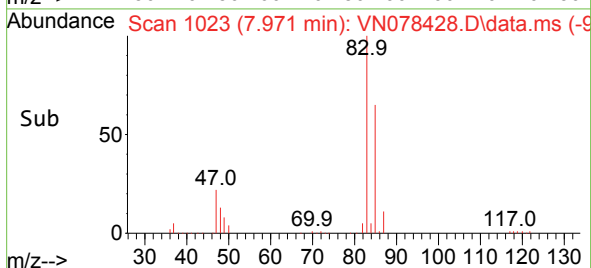
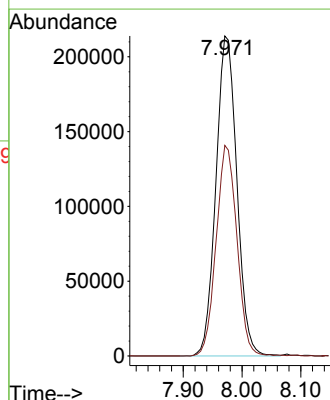
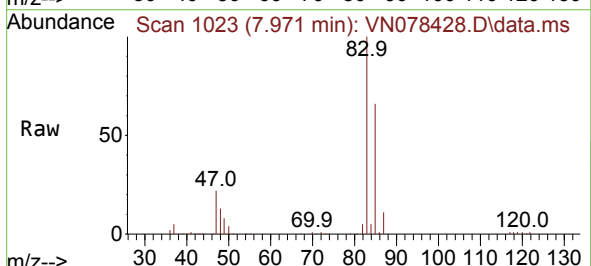
Acq: 27 Jun 2023 19:53

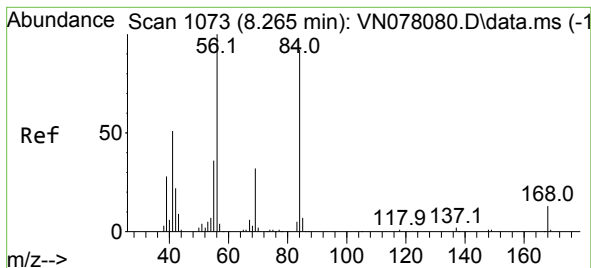
Tgt Ion: 83 Resp: 529852

Ion Ratio Lower Upper

83 100

85 65.8 55.4 83.0





#31

Cyclohexane

Concen: 53.229 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

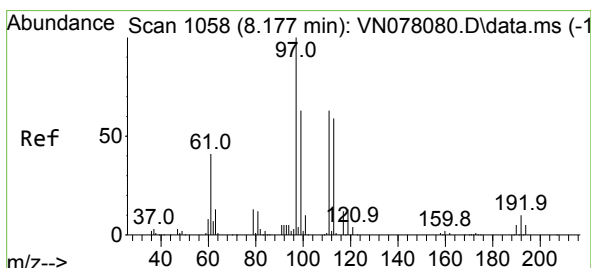
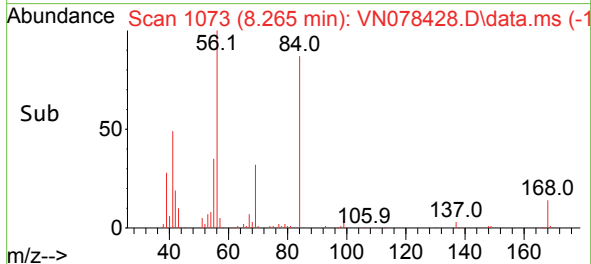
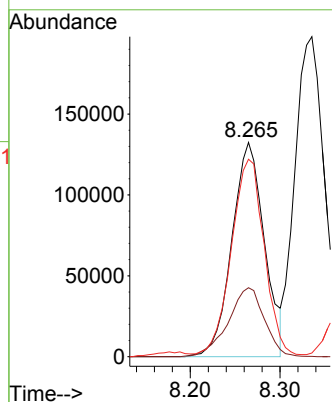
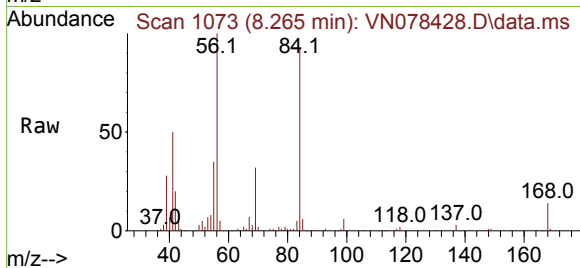
Tgt Ion: 56 Resp: 333123

Ion Ratio Lower Upper

56 100

69 32.2 26.8 40.2

84 89.6 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 59.959 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

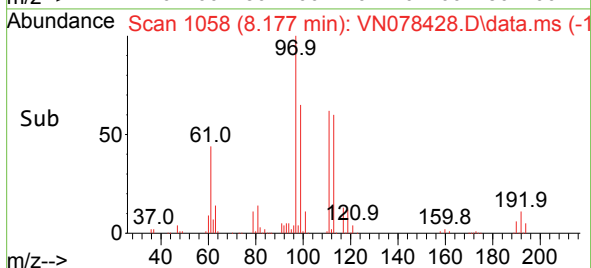
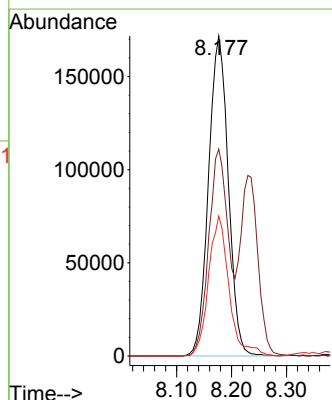
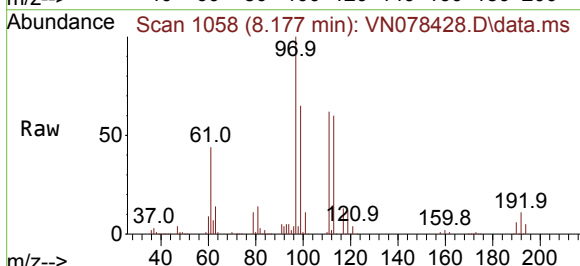
Tgt Ion: 97 Resp: 429025

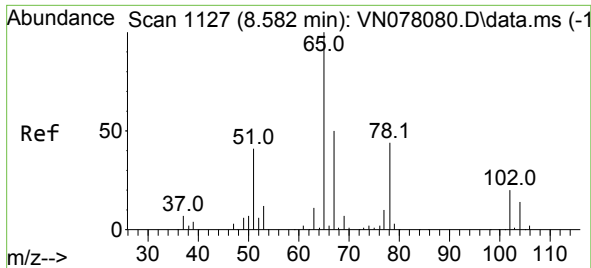
Ion Ratio Lower Upper

97 100

99 64.8 50.3 75.5

61 45.3 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 57.649 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

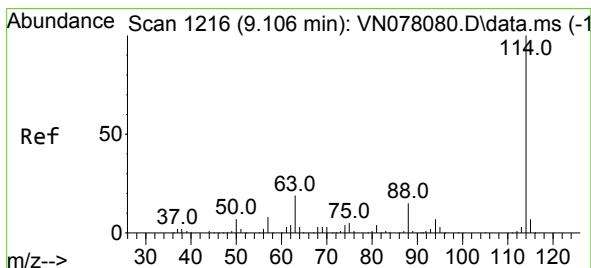
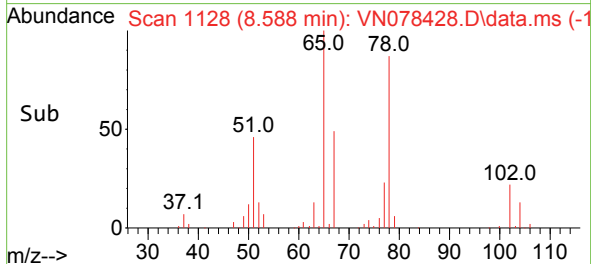
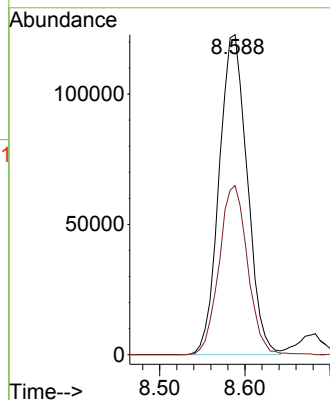
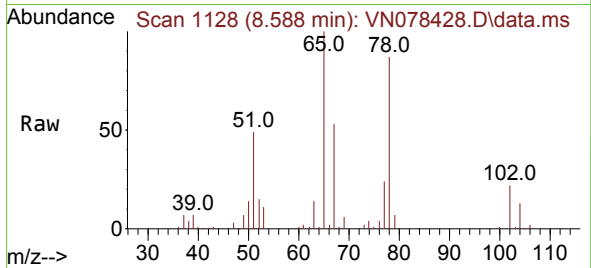
TW-1MSD

Tgt Ion: 65 Resp: 281256

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

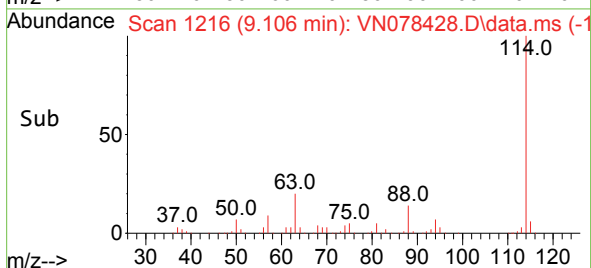
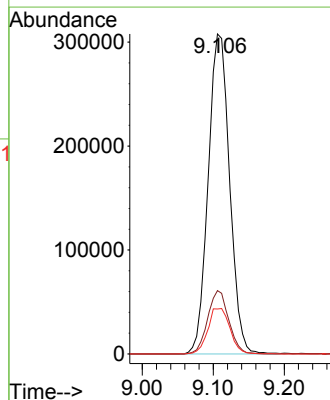
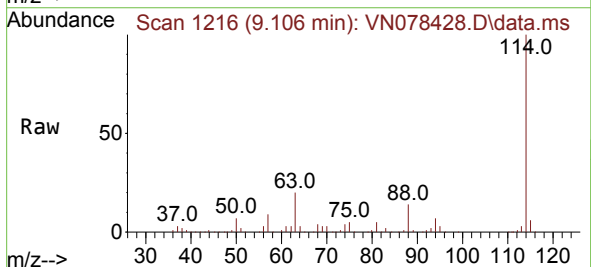
Tgt Ion: 114 Resp: 645685

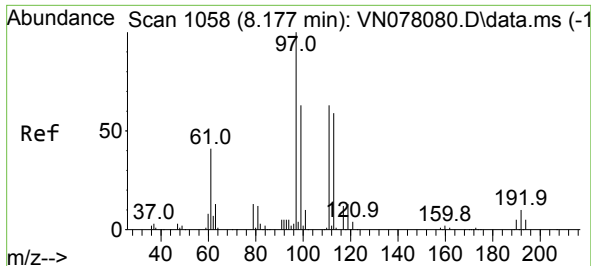
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 14.1 0.0 30.6

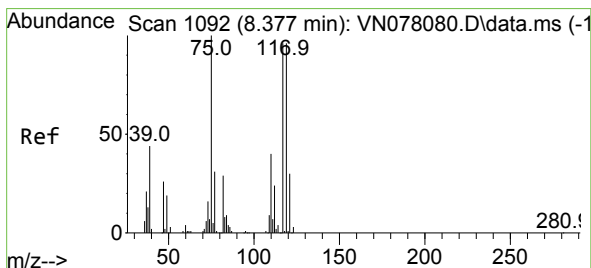
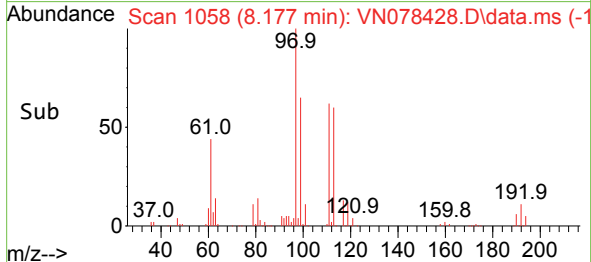
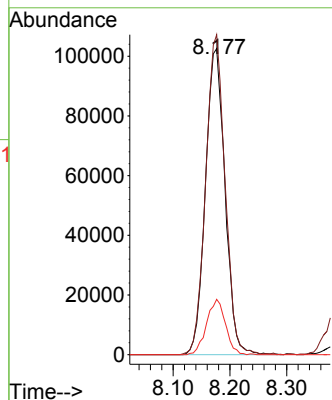
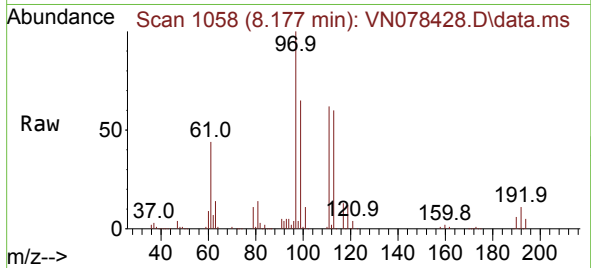




#35
Dibromofluoromethane
Concen: 60.058 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

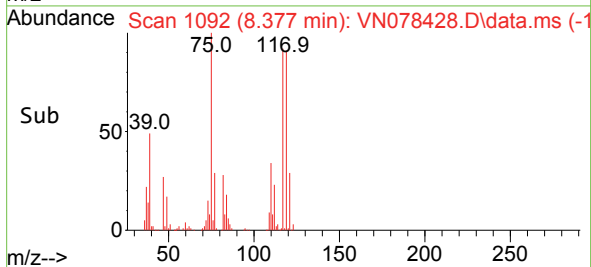
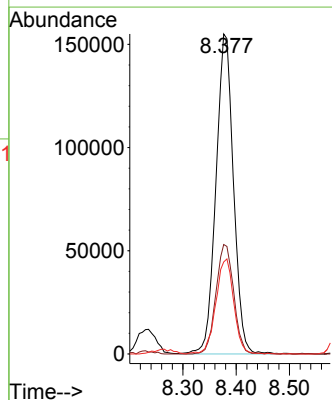
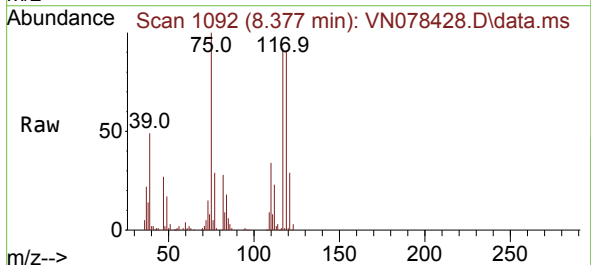
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

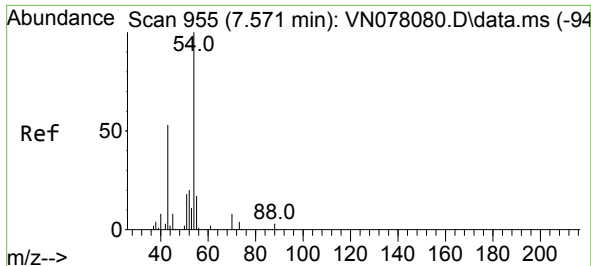
Tgt Ion:113 Resp: 245190
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 17.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 60.584 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 75 Resp: 354780
Ion Ratio Lower Upper
75 100
110 34.6 19.1 57.3
77 30.4 25.0 37.4

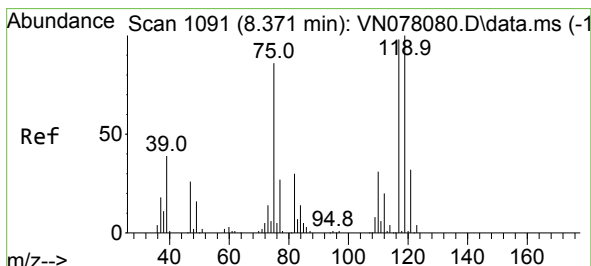
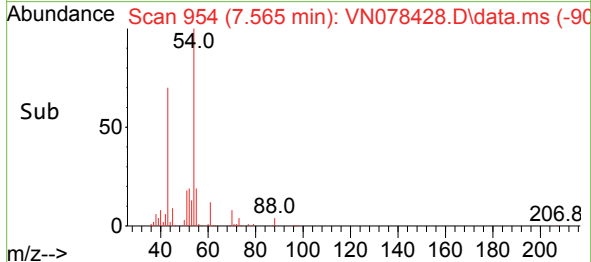
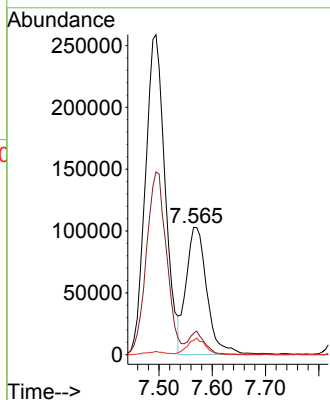
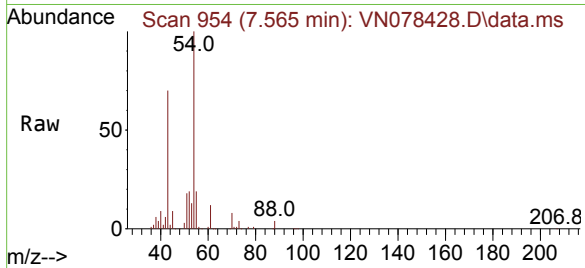




#37
Ethyl Acetate
Concen: 60.837 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

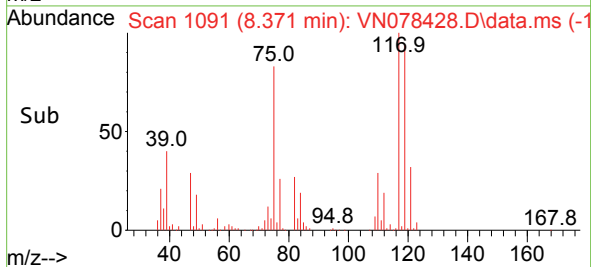
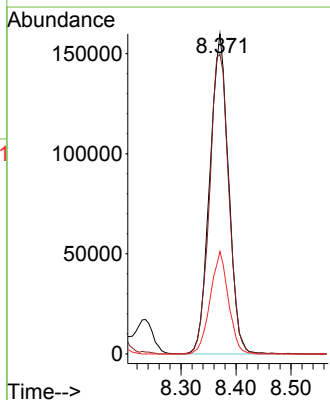
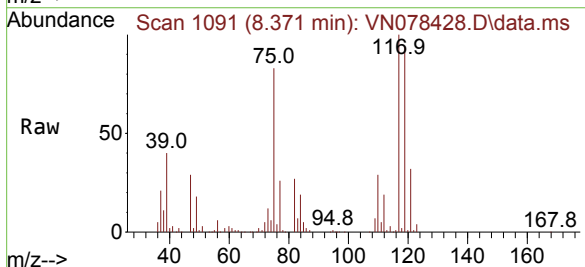
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

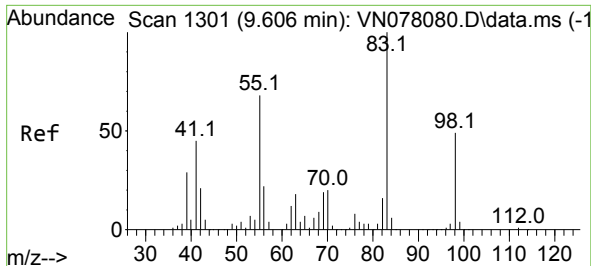
Tgt Ion: 43 Resp: 278311
Ion Ratio Lower Upper
43 100
61 14.0 13.2 19.8
70 11.3 11.3 16.9



#38
Carbon Tetrachloride
Concen: 61.293 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 117 Resp: 378999
Ion Ratio Lower Upper
117 100
119 93.5 77.3 115.9
121 32.0 23.3 34.9





#39

Methylcyclohexane

Concen: 49.412 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

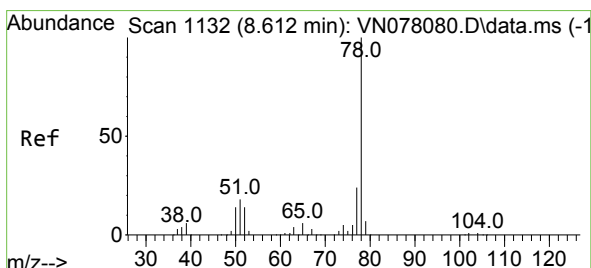
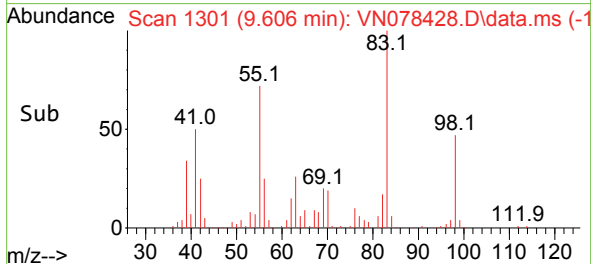
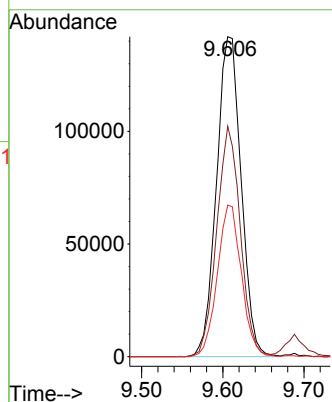
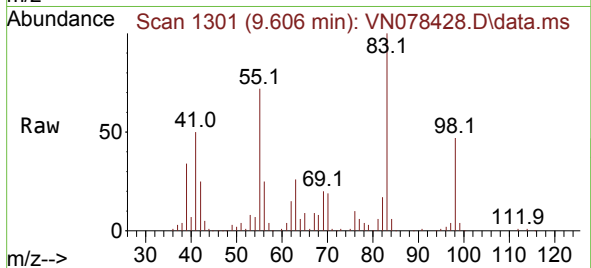
Tgt Ion: 83 Resp: 299870

Ion Ratio Lower Upper

83 100

55 72.0 49.1 73.7

98 47.2 40.6 61.0



#40

Benzene

Concen: 59.879 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078428.D

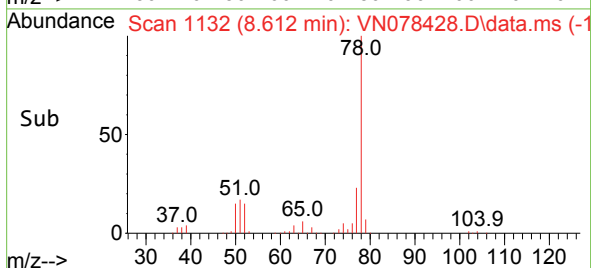
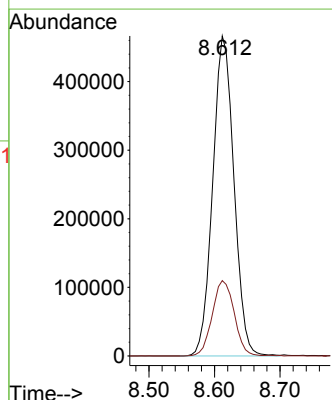
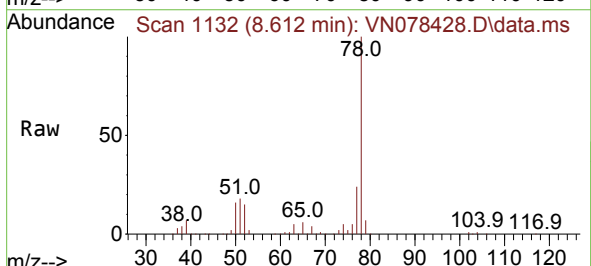
Acq: 27 Jun 2023 19:53

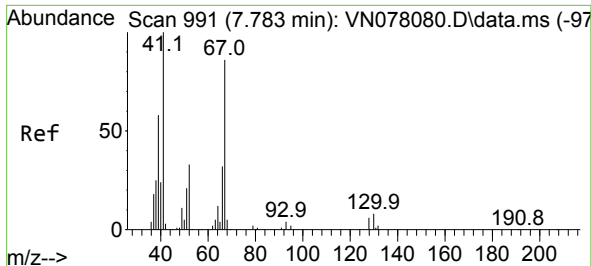
Tgt Ion: 78 Resp: 1046833

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



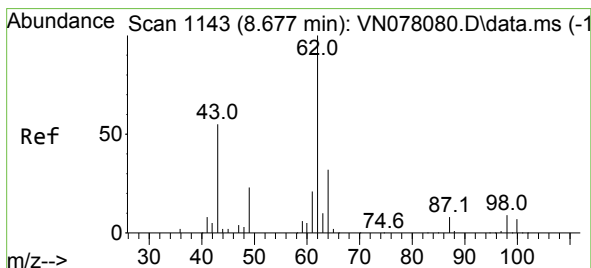
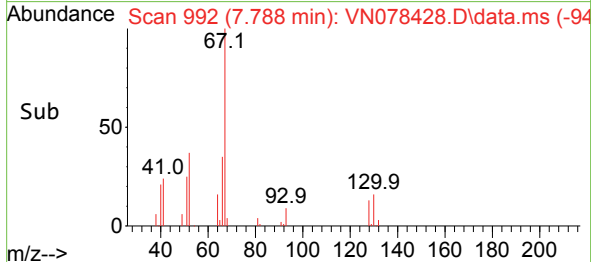
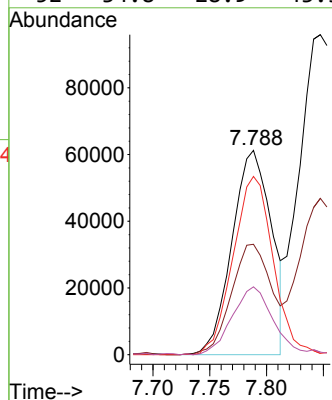
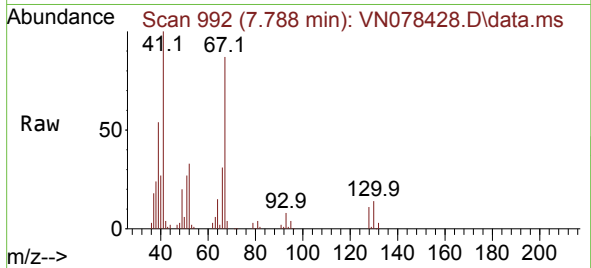


#41
Methacrylonitrile
Concen: 59.720 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

Tgt Ion: 41 Resp: 148082

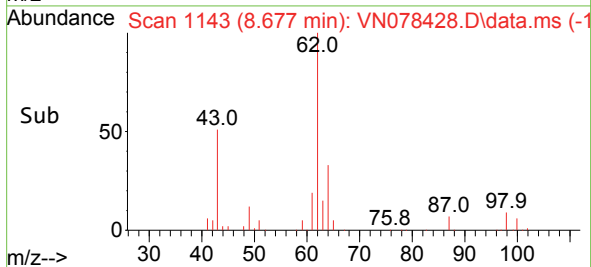
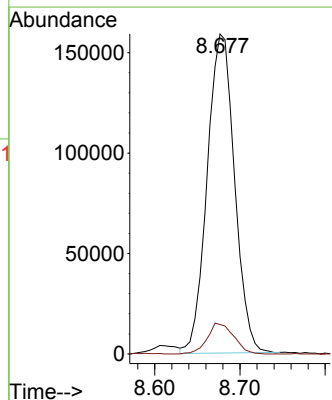
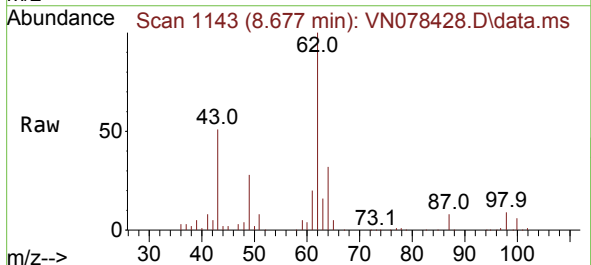
Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.6	64.0
67	88.6	77.5	116.3
52	34.8	28.9	43.3

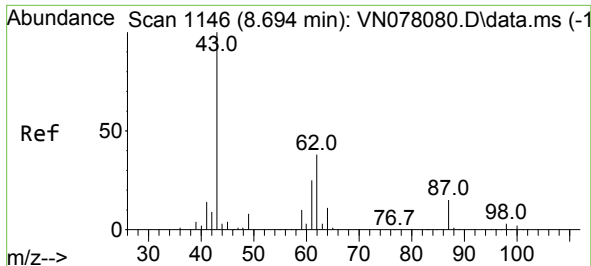


#42
1,2-Dichloroethane
Concen: 59.151 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 62 Resp: 354566

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.8

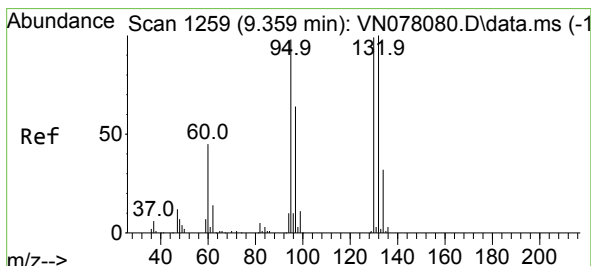
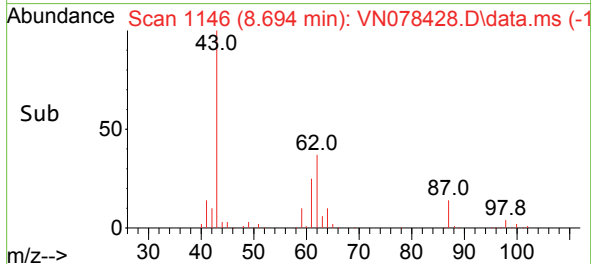
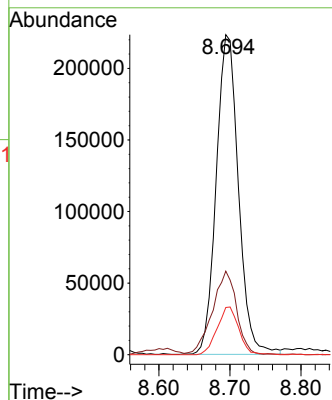
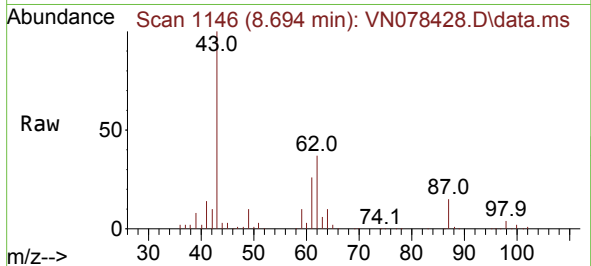




#43
Isopropyl Acetate
Concen: 55.280 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

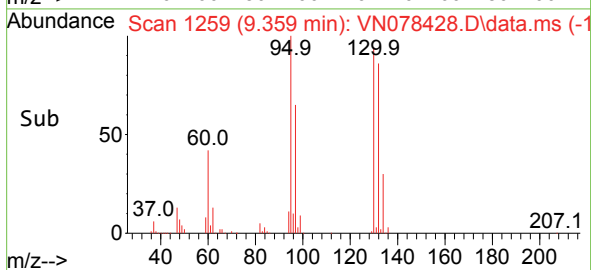
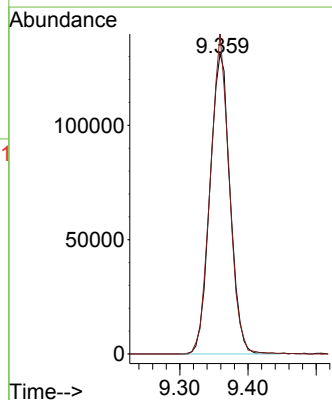
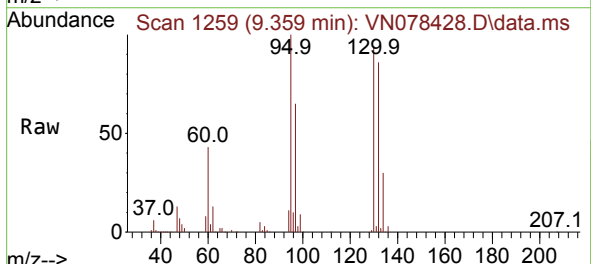
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

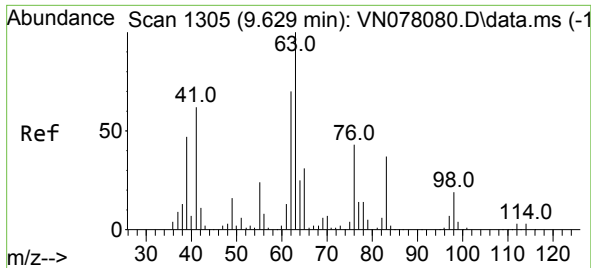
Tgt Ion: 43 Resp: 483636
Ion Ratio Lower Upper
43 100
61 28.2 24.7 37.1
87 14.6 14.6 21.8



#44
Trichloroethene
Concen: 58.243 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion:130 Resp: 268907
Ion Ratio Lower Upper
130 100
95 106.5 0.0 204.6

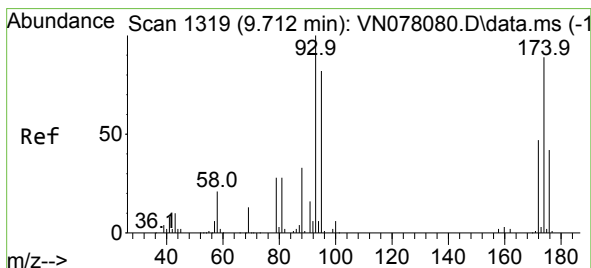
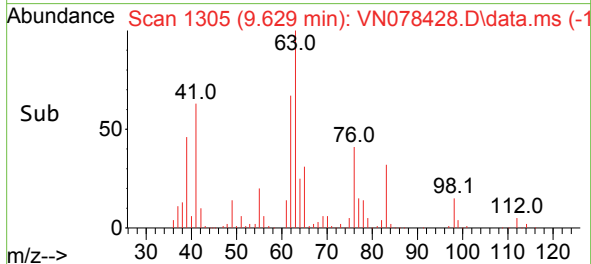
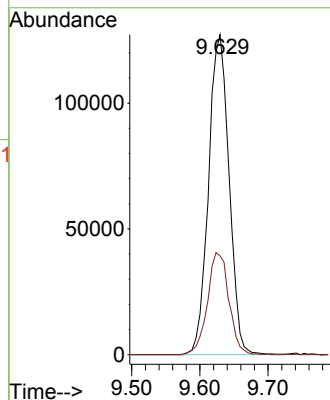
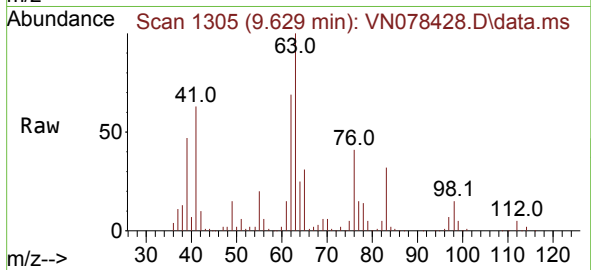




#45
1,2-Dichloropropane
Concen: 61.338 ug/l
RT: 9.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

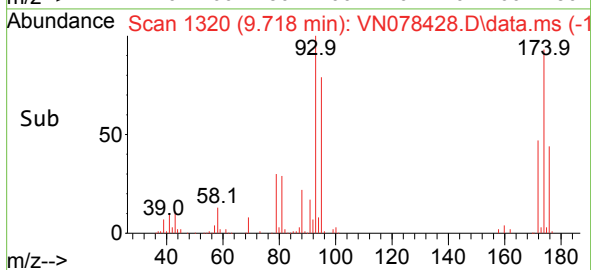
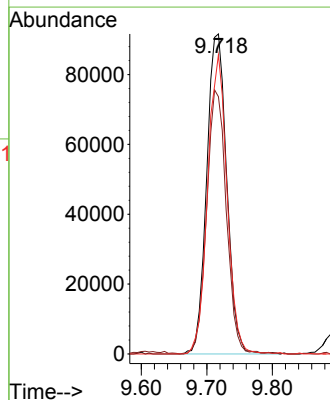
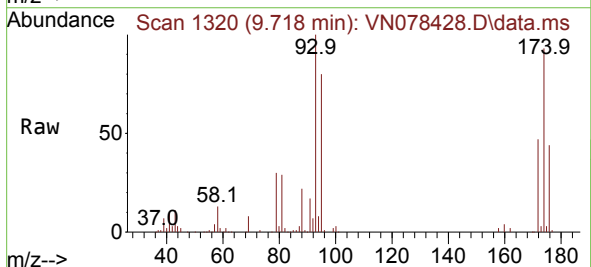
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

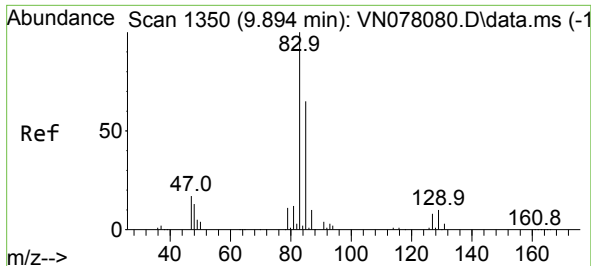
Tgt Ion: 63 Resp: 266800
Ion Ratio Lower Upper
63 100
65 30.8 23.9 35.9



#46
Dibromomethane
Concen: 60.768 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 93 Resp: 194689
Ion Ratio Lower Upper
93 100
95 81.0 63.8 95.8
174 90.7 65.6 98.4

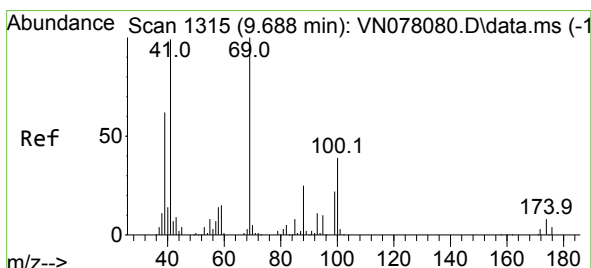
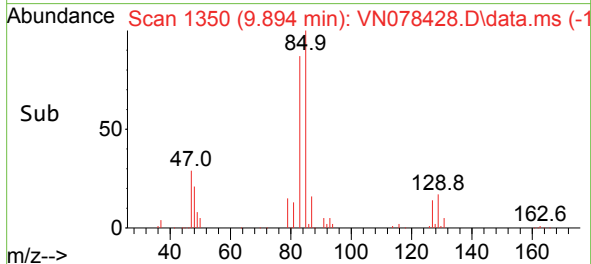
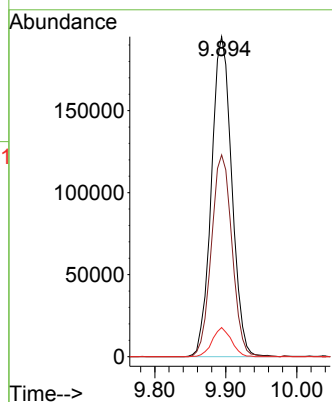
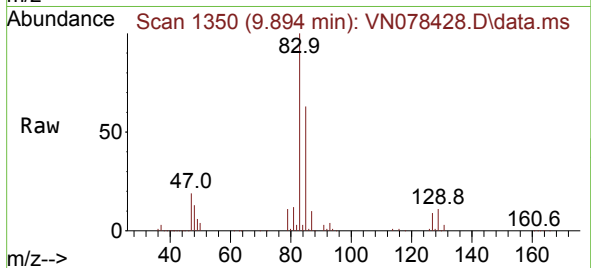




#47
Bromodichloromethane
Concen: 65.207 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

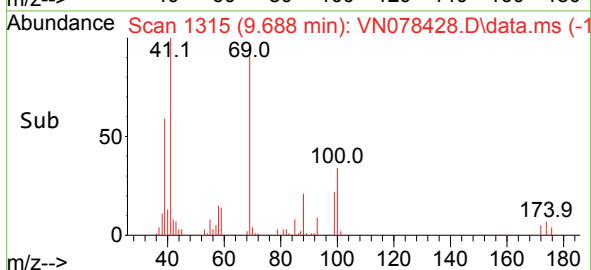
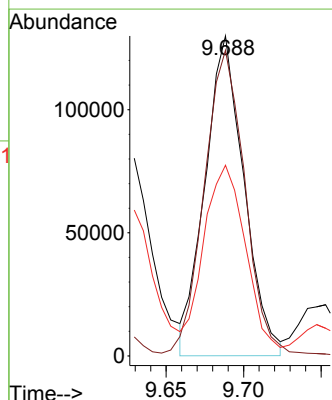
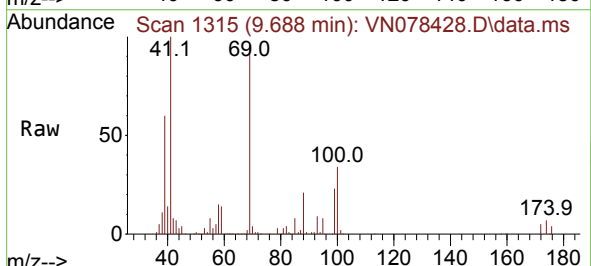
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

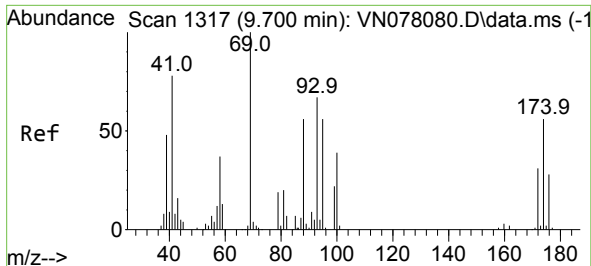
Tgt Ion: 83 Resp: 388058
Ion Ratio Lower Upper
83 100
85 63.0 49.6 74.4
127 9.1 7.0 10.6



#48
Methyl methacrylate
Concen: 61.663 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 41 Resp: 226396
Ion Ratio Lower Upper
41 100
69 100.6 90.4 135.6
39 65.0 54.6 81.8





#49

1,4-Dioxane

Concen: 1162.499 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

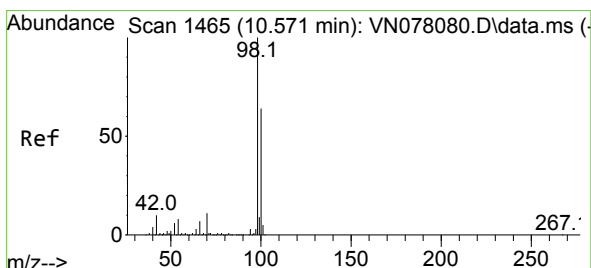
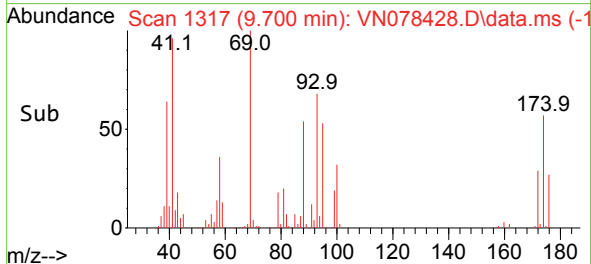
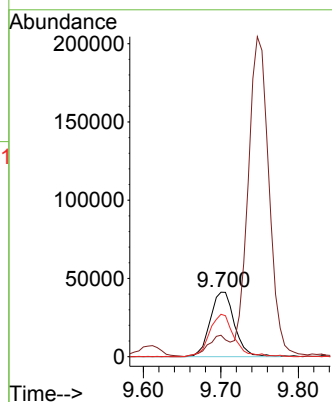
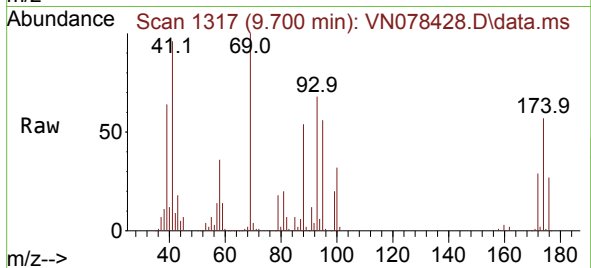
Tgt Ion: 88 Resp: 89707

Ion Ratio Lower Upper

88 100

43 27.4 17.0 25.6#

58 66.6 47.0 70.4



#50

Toluene-d8

Concen: 56.505 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078428.D

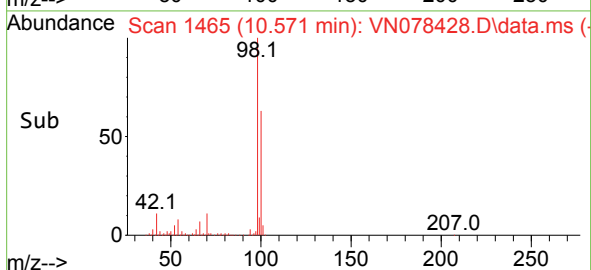
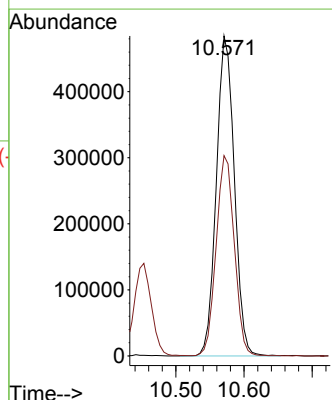
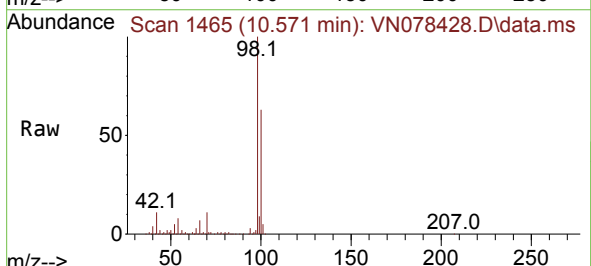
Acq: 27 Jun 2023 19:53

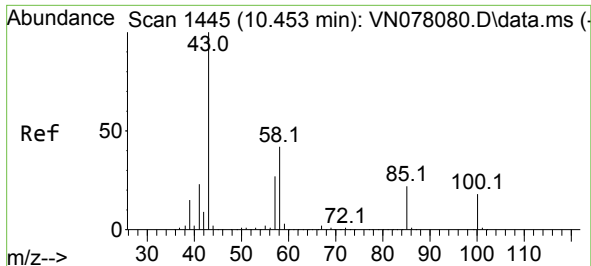
Tgt Ion: 98 Resp: 889321

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0

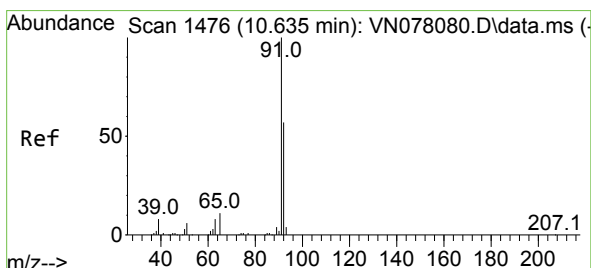
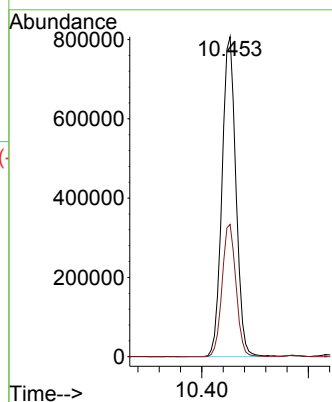
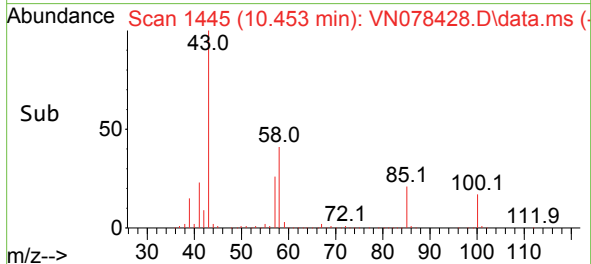
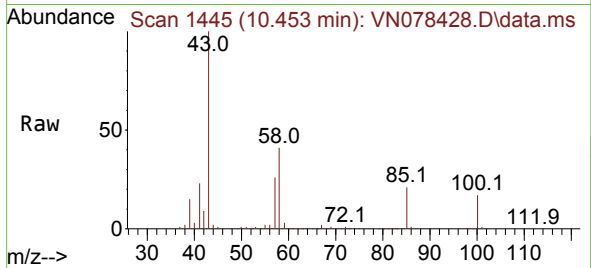




#51
4-Methyl-2-Pentanone
Concen: 317.707 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

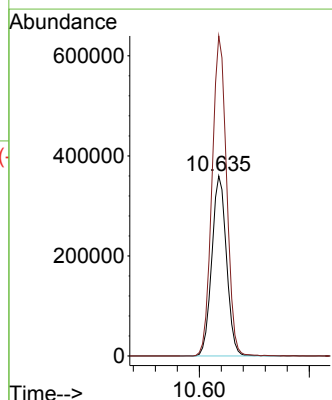
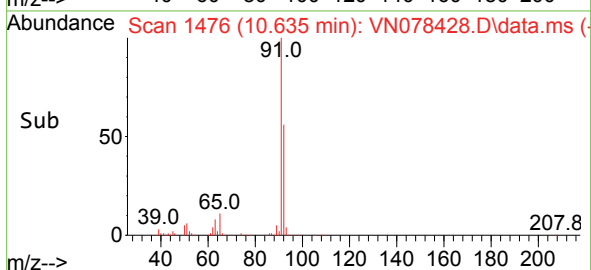
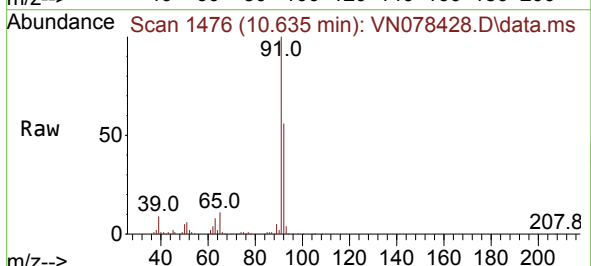
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

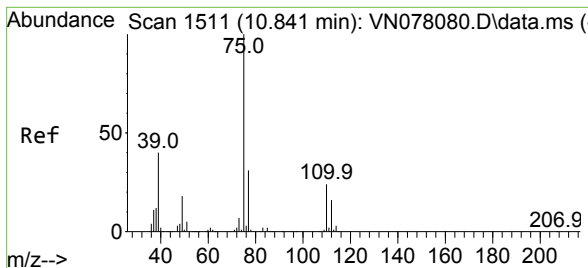
Tgt Ion: 43 Resp: 1463698
Ion Ratio Lower Upper
43 100
58 41.3 36.6 54.8



#52
Toluene
Concen: 60.399 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 92 Resp: 666689
Ion Ratio Lower Upper
92 100
91 176.3 137.4 206.0

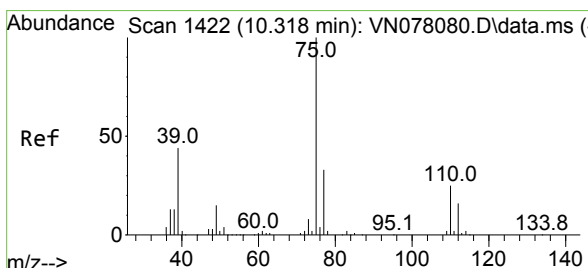
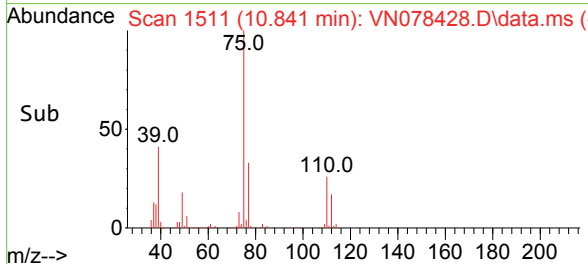
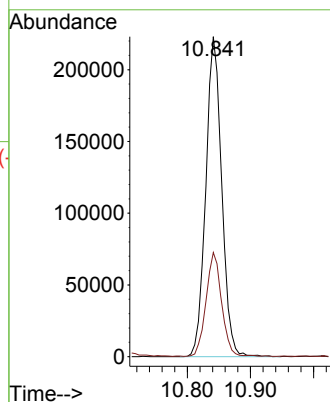
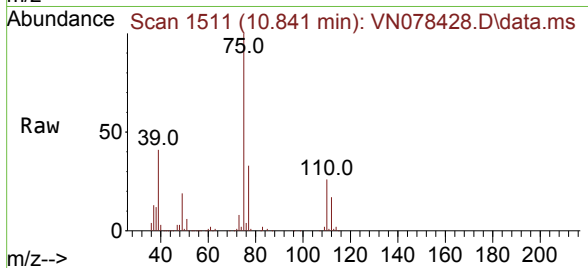




#53
 t-1,3-Dichloropropene
 Concen: 63.077 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

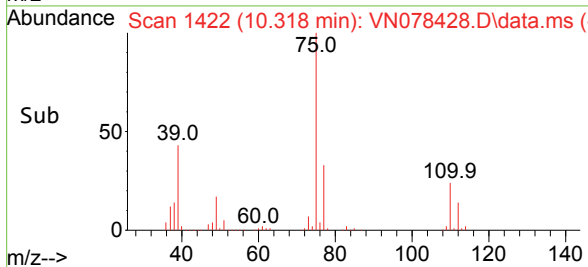
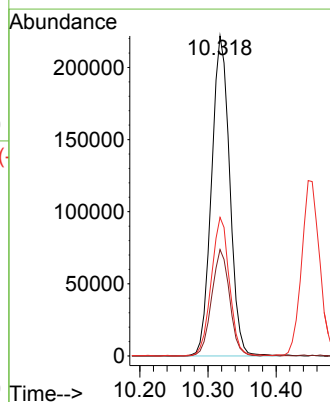
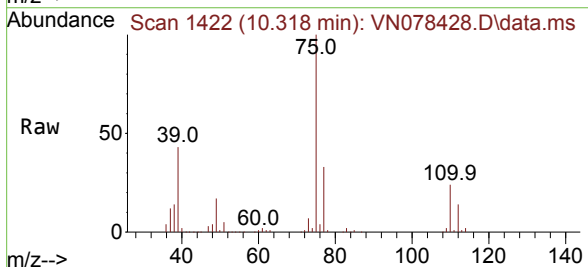
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1MSD

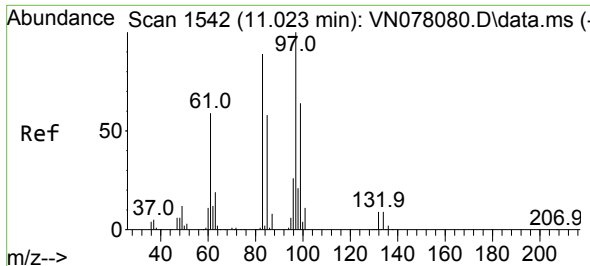
Tgt Ion: 75 Resp: 390946
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 60.164 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

Tgt Ion: 75 Resp: 412197
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.1 39.1
 39 43.2 31.6 47.4

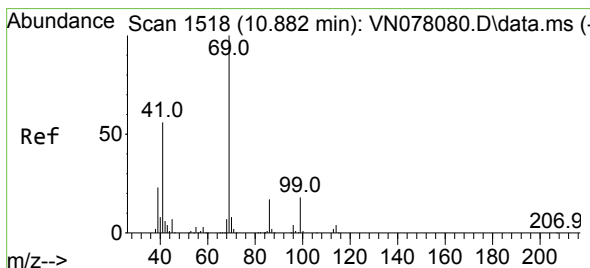
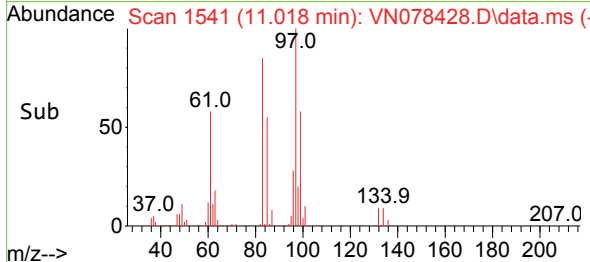
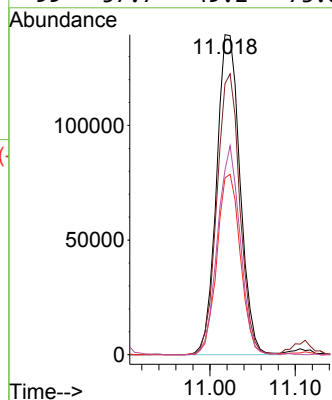
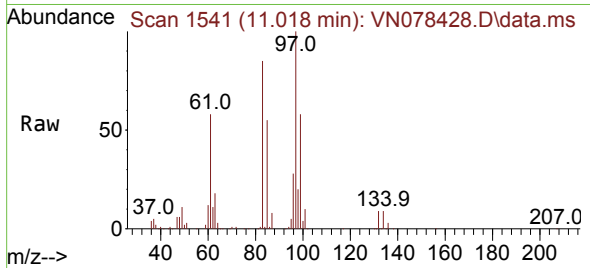




#55
1,1,2-Trichloroethane
Concen: 64.046 ug/l
RT: 11.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

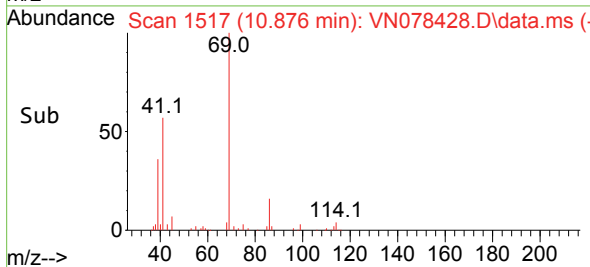
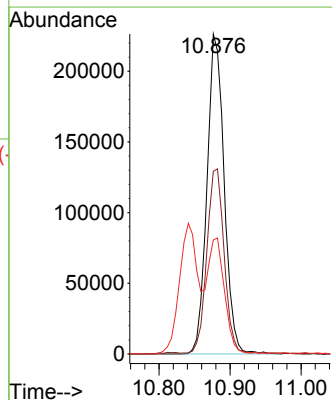
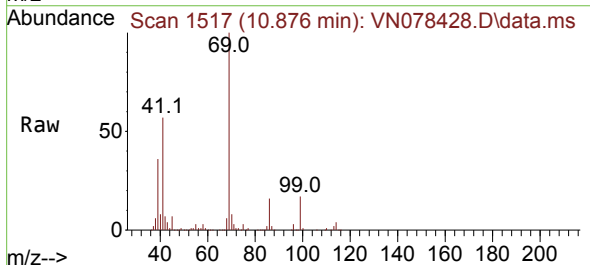
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

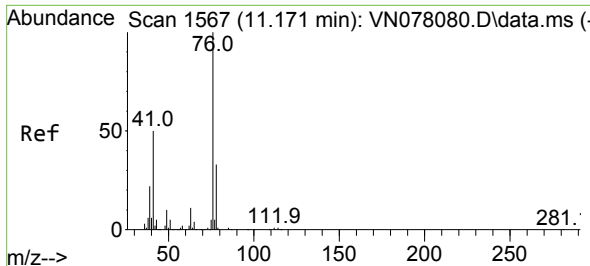
Tgt Ion: 97 Resp: 267428
Ion Ratio Lower Upper
97 100
83 84.7 65.1 97.7
85 55.2 43.4 65.2
99 57.7 49.2 73.8



#56
Ethyl methacrylate
Concen: 62.639 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 69 Resp: 380841
Ion Ratio Lower Upper
69 100
41 57.8 39.6 59.4
39 37.0 28.6 43.0





#57

1,3-Dichloropropane

Concen: 63.430 ug/l

RT: 11.171 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

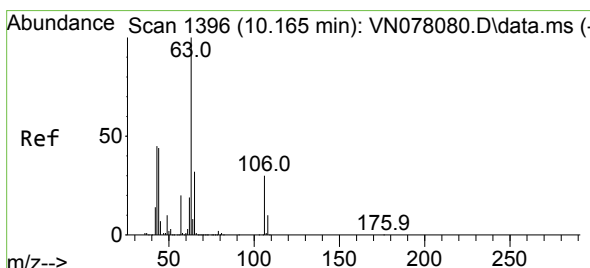
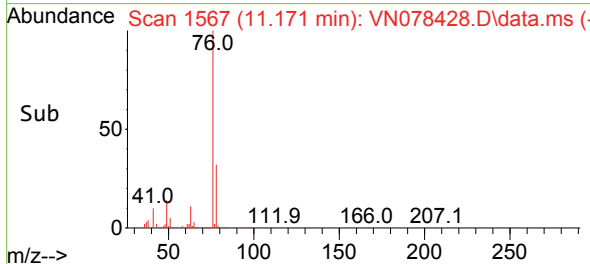
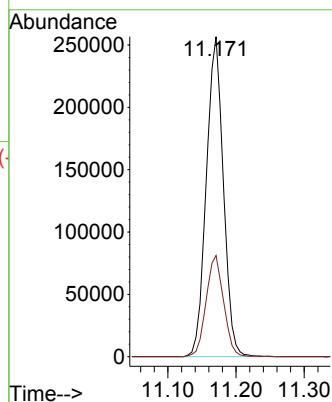
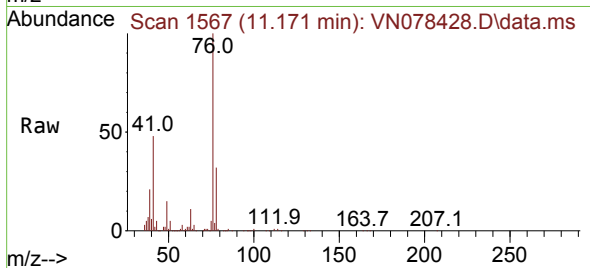
TW-1MSD

Tgt Ion: 76 Resp: 447069

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 0.229 ug/l

RT: 10.200 min Scan# 1402

Delta R.T. 0.035 min

Lab File: VN078428.D

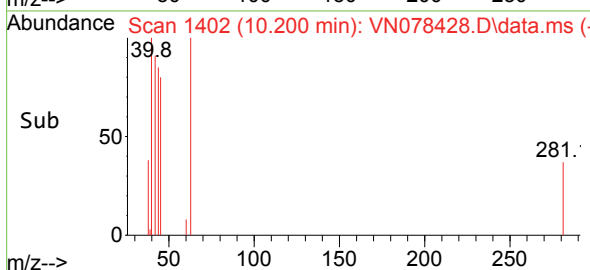
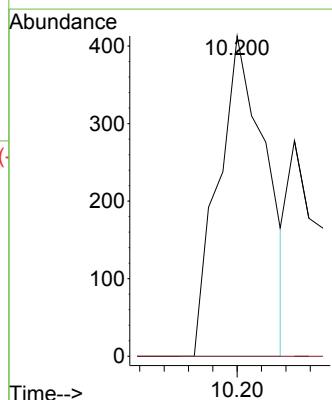
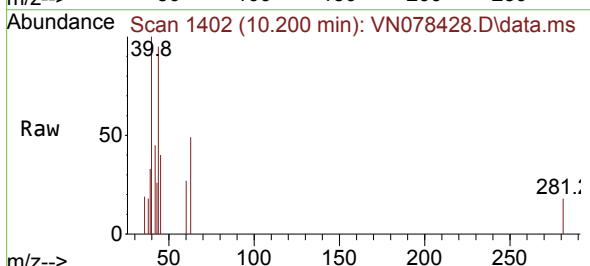
Acq: 27 Jun 2023 19:53

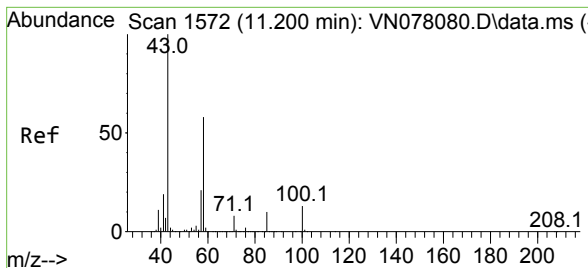
Tgt Ion: 63 Resp: 562

Ion Ratio Lower Upper

63 100

106 0.0 26.2 39.4#

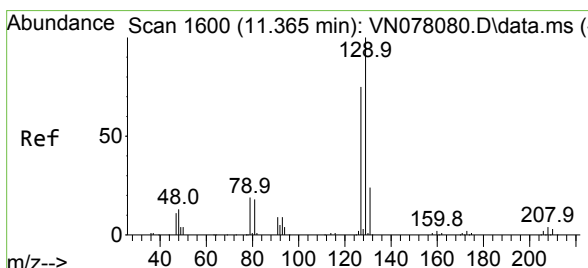
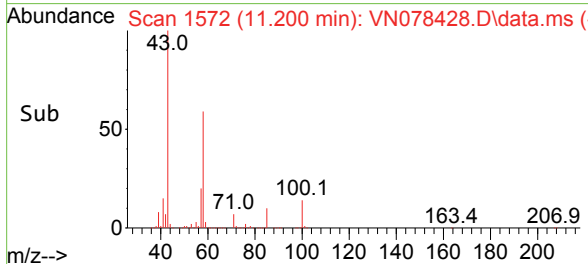
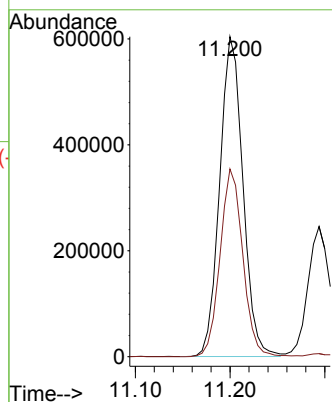
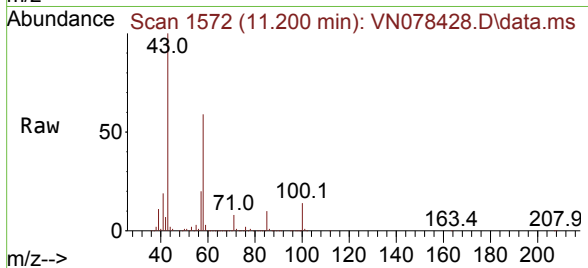




#59
2-Hexanone
Concen: 320.962 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

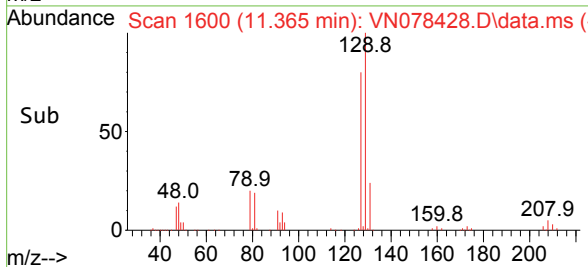
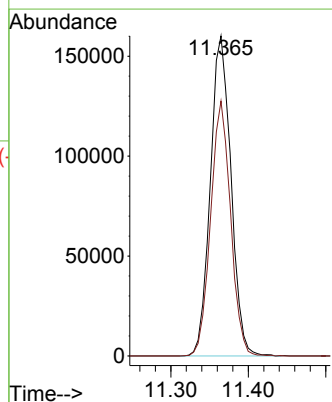
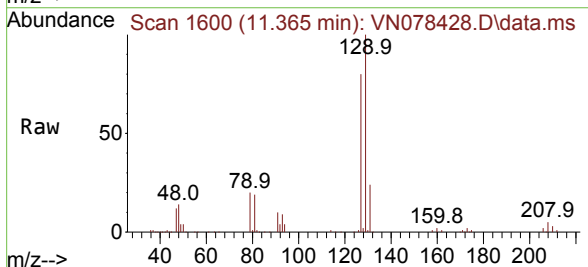
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

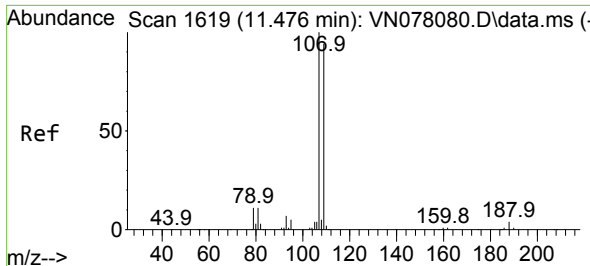
Tgt Ion: 43 Resp: 1029602
Ion Ratio Lower Upper
43 100
58 57.5 31.7 95.1



#60
Dibromochloromethane
Concen: 64.785 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion:129 Resp: 296014
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0

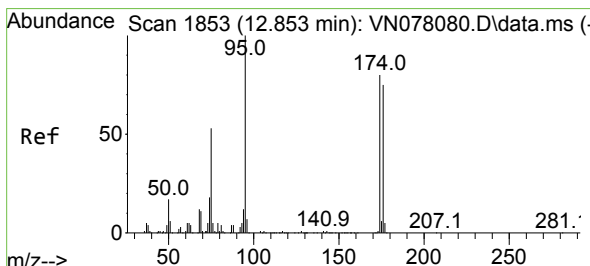
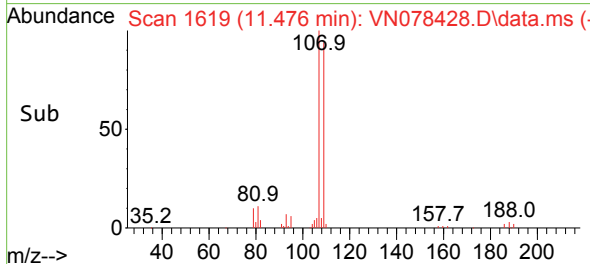
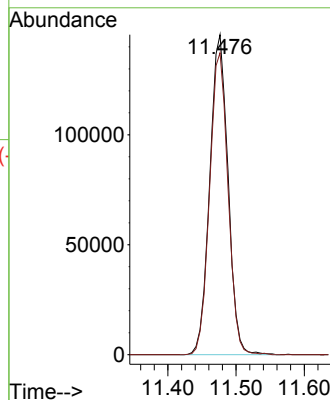
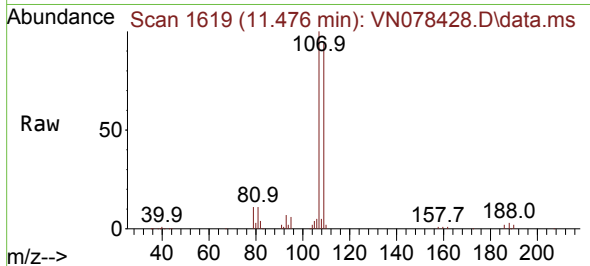




#61
1,2-Dibromoethane
Concen: 61.883 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

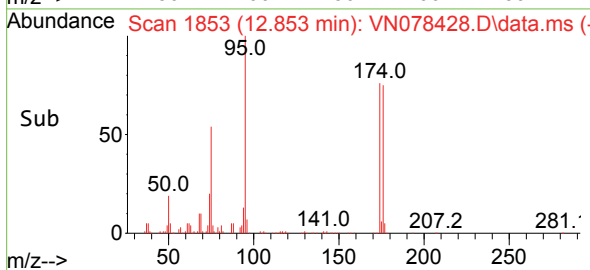
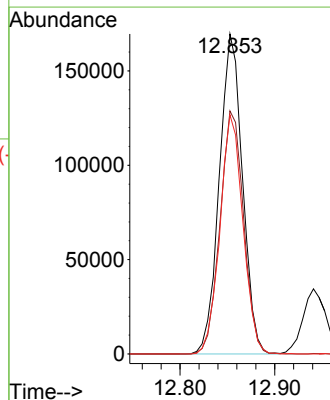
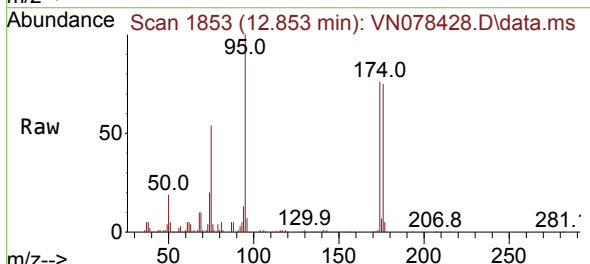
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

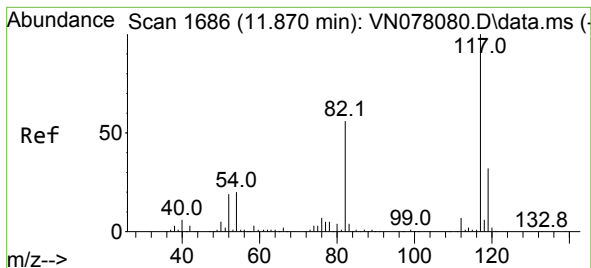
Tgt Ion:107 Resp: 271169
Ion Ratio Lower Upper
107 100
109 95.0 76.6 114.8



#62
4-Bromofluorobenzene
Concen: 58.961 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 95 Resp: 288486
Ion Ratio Lower Upper
95 100
174 77.2 0.0 143.8
176 74.1 0.0 135.8

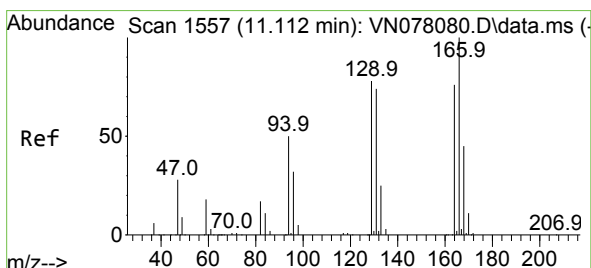
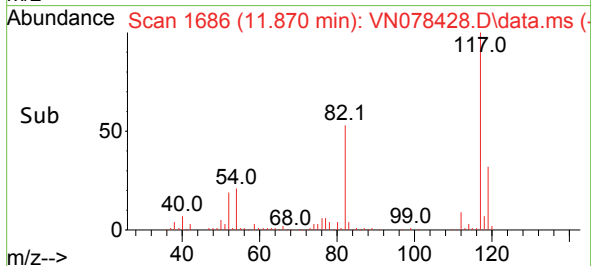
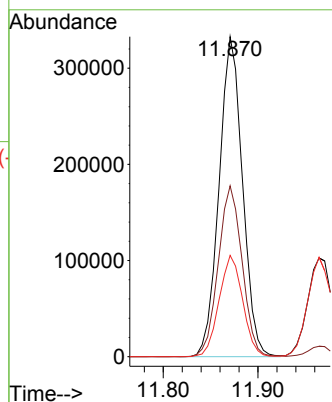
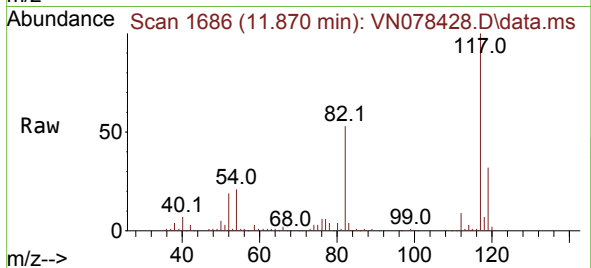




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

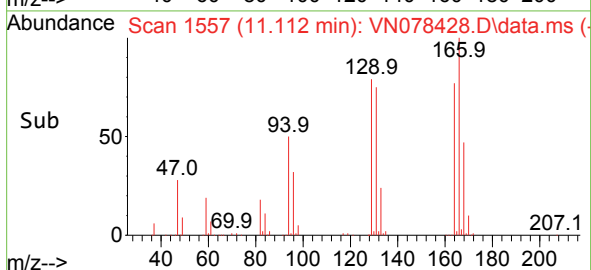
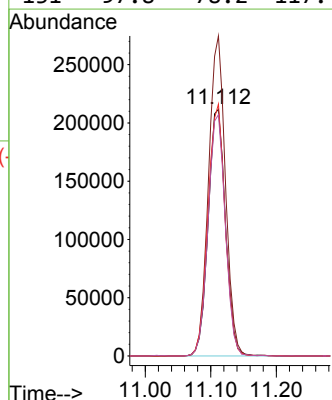
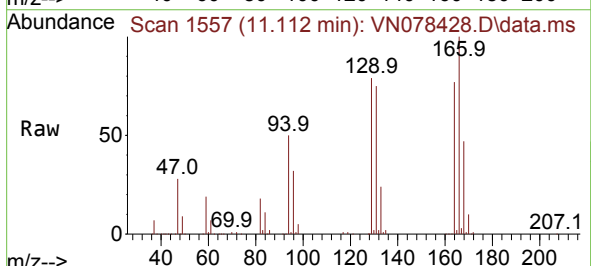
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

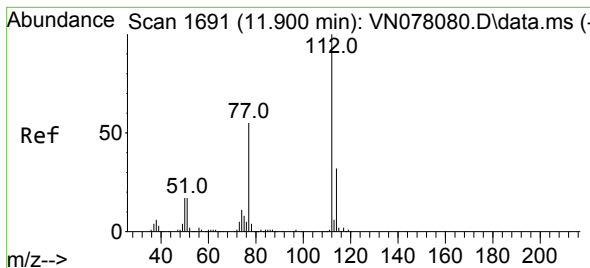
Tgt Ion:117 Resp: 571698
Ion Ratio Lower Upper
117 100
82 53.4 44.0 66.0
119 31.6 25.6 38.4



#64
Tetrachloroethene
Concen: 101.895 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion:164 Resp: 388626
Ion Ratio Lower Upper
164 100
166 129.7 101.4 152.0
129 102.1 82.4 123.6
131 97.8 78.2 117.4





#65

Chlorobenzene

Concen: 57.908 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. -0.006 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

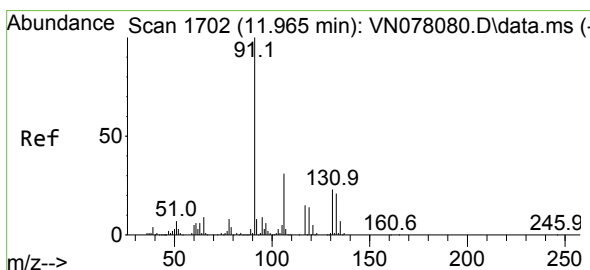
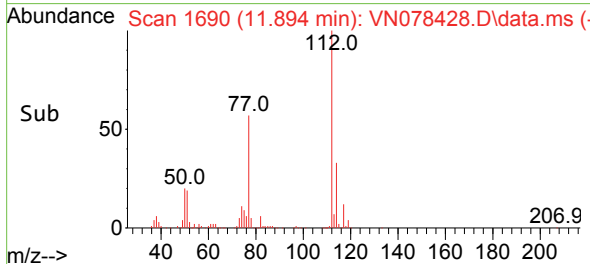
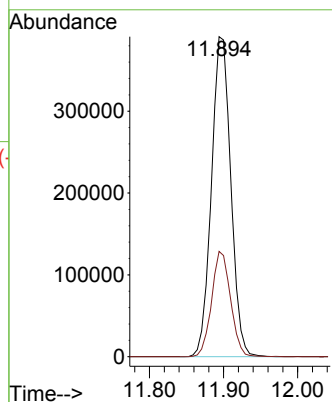
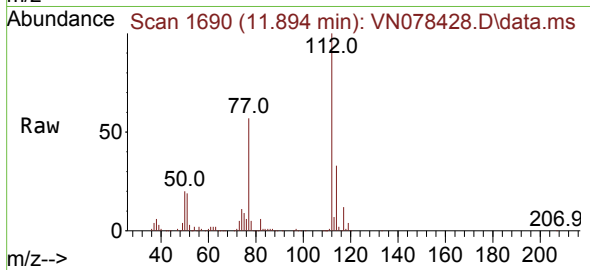
TW-1MSD

Tgt Ion:112 Resp: 708978

Ion Ratio Lower Upper

112 100

114 32.9 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 62.248 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

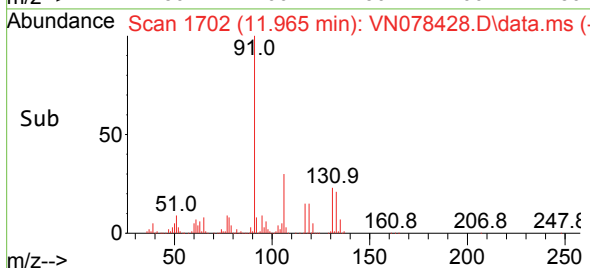
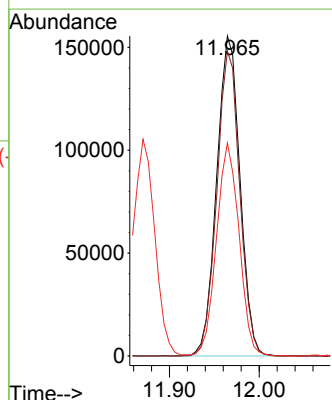
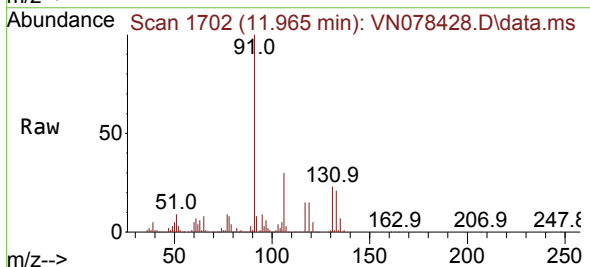
Tgt Ion:131 Resp: 280304

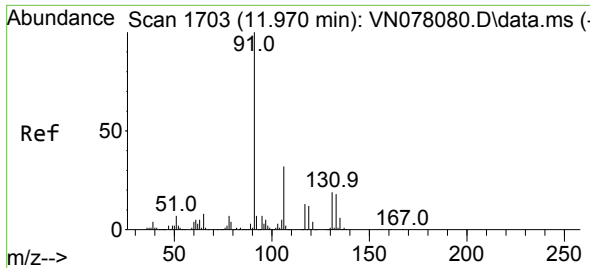
Ion Ratio Lower Upper

131 100

133 93.9 46.4 139.1

119 64.6 34.1 102.2

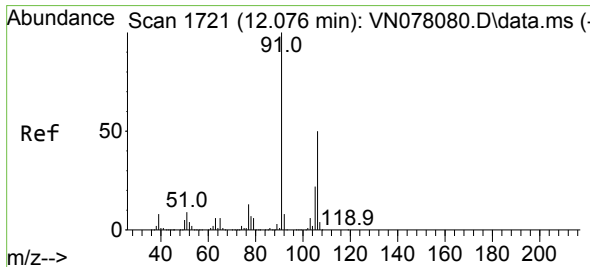
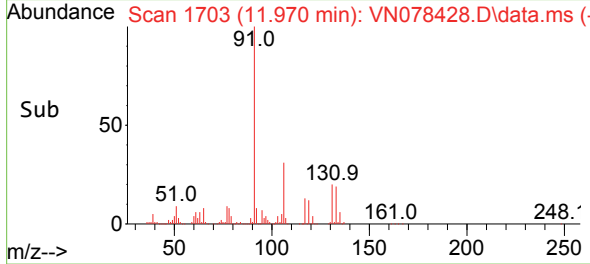
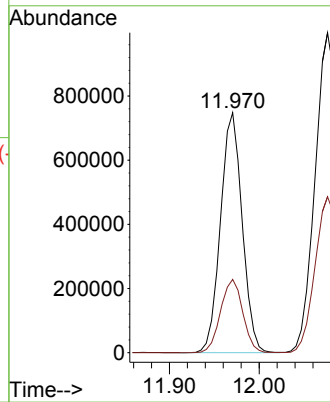
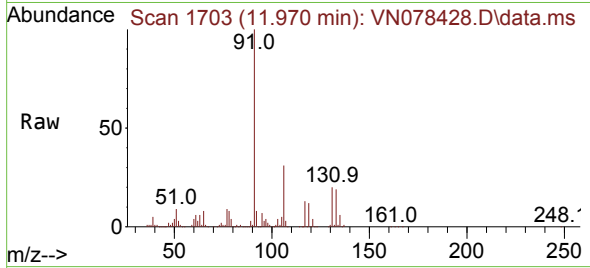




#67
Ethyl Benzene
Concen: 59.377 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

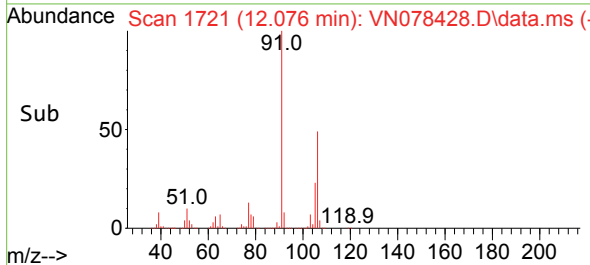
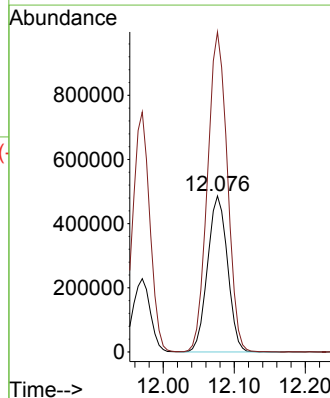
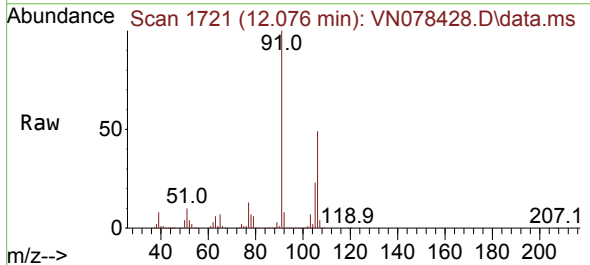
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

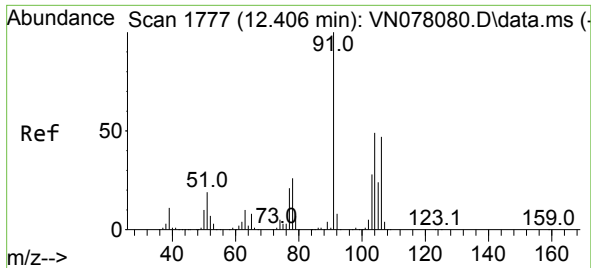
Tgt Ion: 91 Resp: 1254376
Ion Ratio Lower Upper
91 100
106 30.6 25.6 38.4



#68
m/p-Xylenes
Concen: 118.107 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion:106 Resp: 950879
Ion Ratio Lower Upper
106 100
91 203.5 159.6 239.4

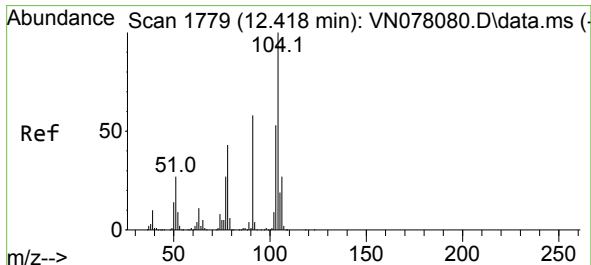
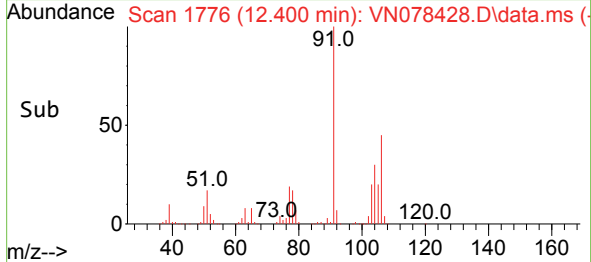
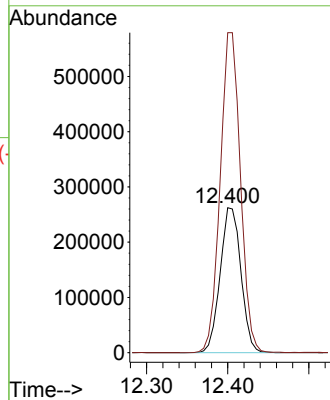
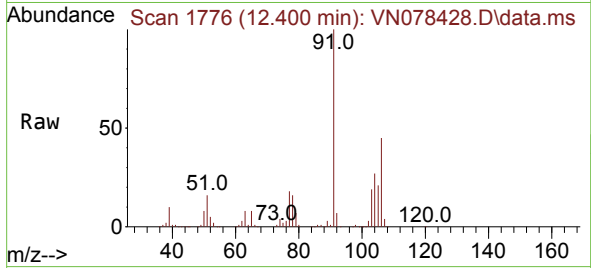




#69
o-Xylene
Concen: 59.097 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

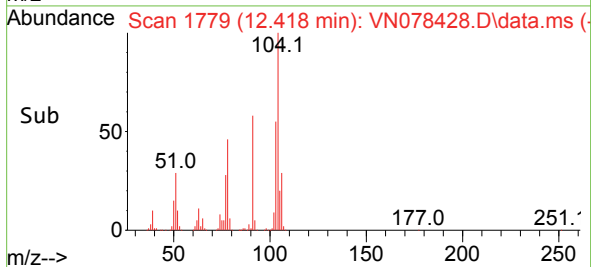
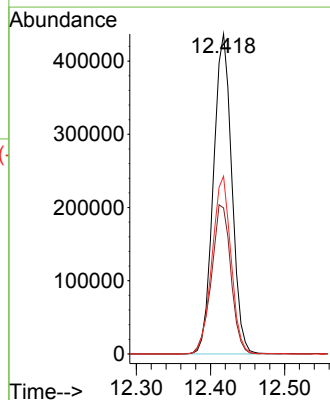
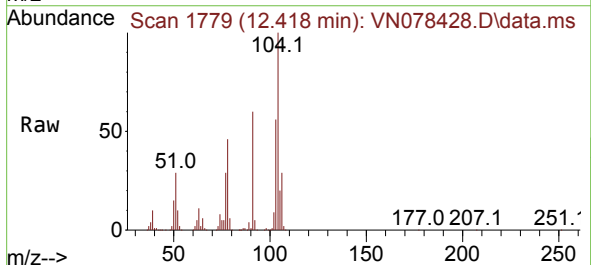
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

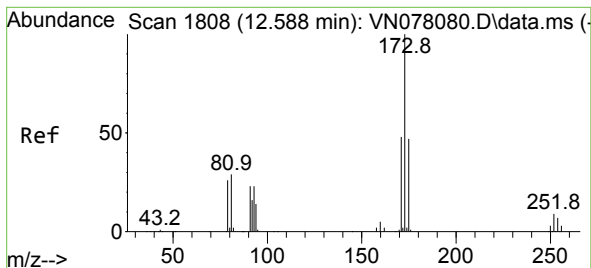
Tgt Ion:106 Resp: 467232
Ion Ratio Lower Upper
106 100
91 215.1 105.2 315.5



#70
Styrene
Concen: 60.562 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion:104 Resp: 753799
Ion Ratio Lower Upper
104 100
78 49.3 39.5 59.3
103 57.0 43.2 64.8





#71

Bromoform

Concen: 64.315 ug/l

RT: 12.582 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

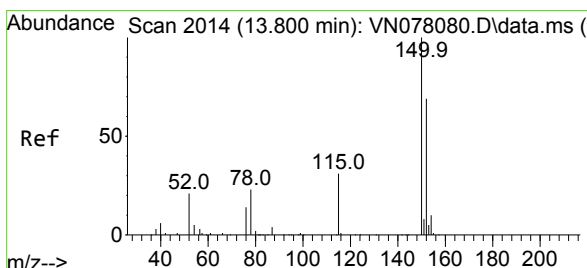
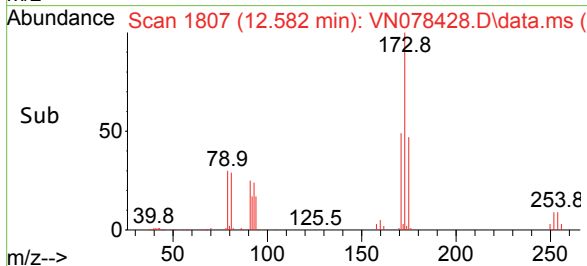
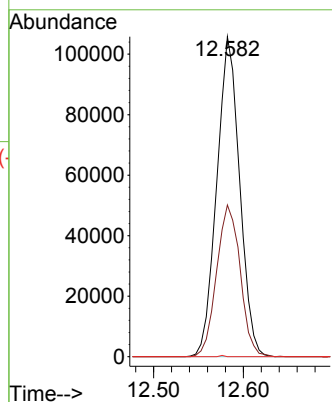
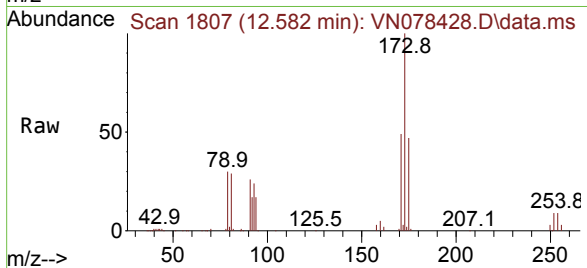
Tgt Ion:173 Resp: 186901

Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

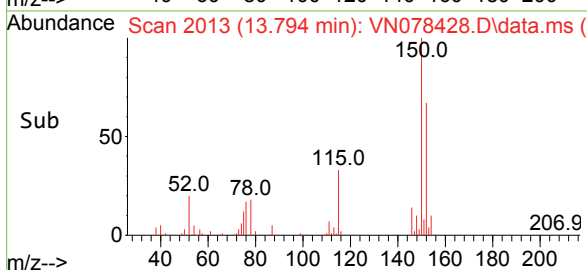
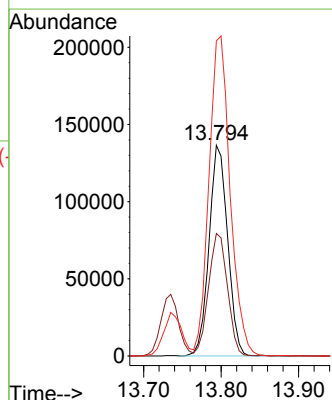
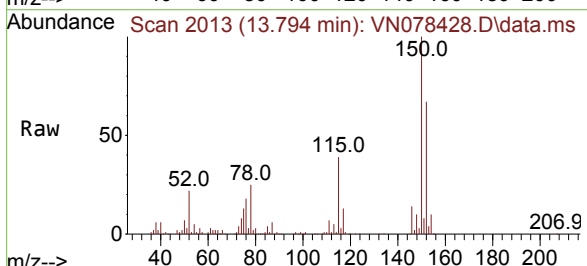
Tgt Ion:152 Resp: 227692

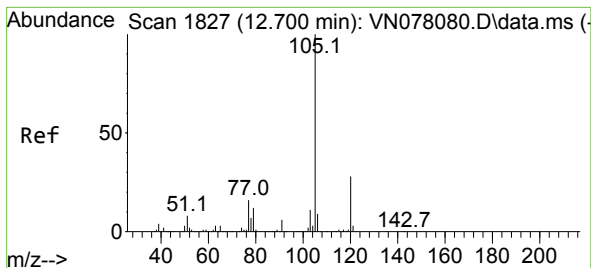
Ion Ratio Lower Upper

152 100

115 58.8 32.3 96.8

150 172.5 0.0 355.8





#73

Isopropylbenzene

Concen: 52.394 ug/l

RT: 12.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

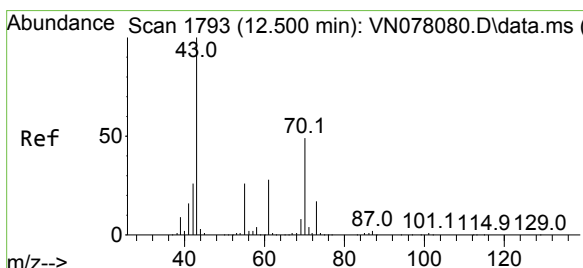
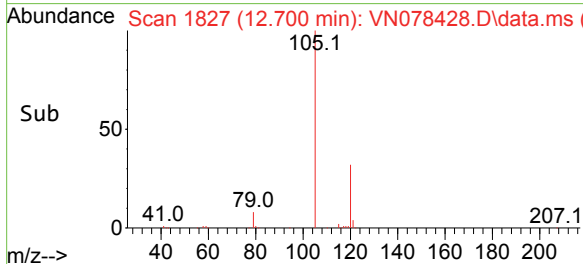
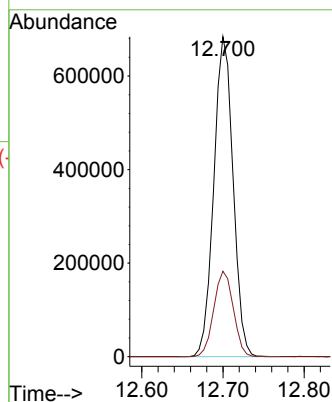
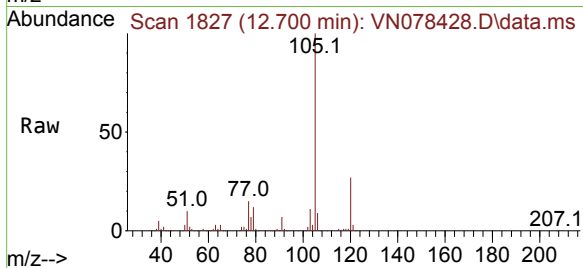
TW-1MSD

Tgt Ion:105 Resp: 1128118

Ion Ratio Lower Upper

105 100

120 27.1 13.1 39.1



#74

N-ethyl acetate

Concen: 54.225 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Tgt Ion: 43 Resp: 384477

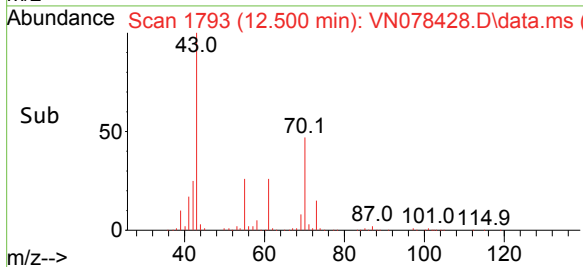
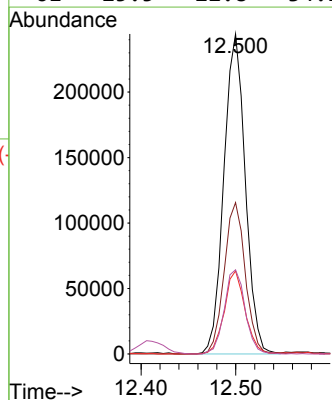
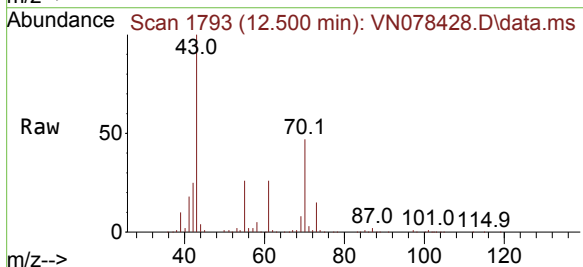
Ion Ratio Lower Upper

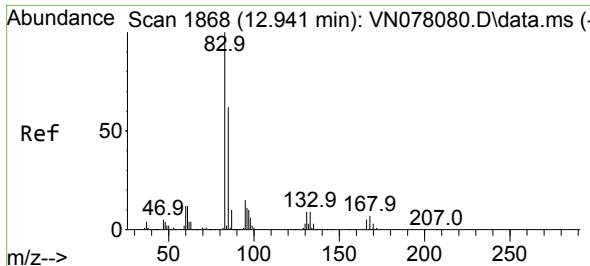
43 100

70 46.6 43.4 65.2

55 25.2 21.4 32.0

61 25.5 22.8 34.2

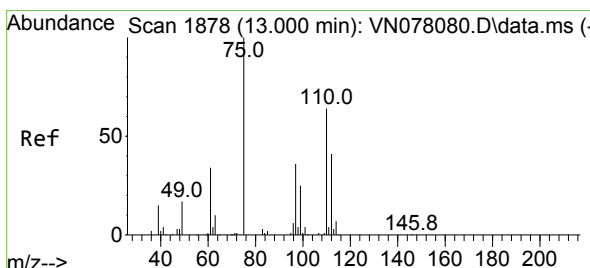
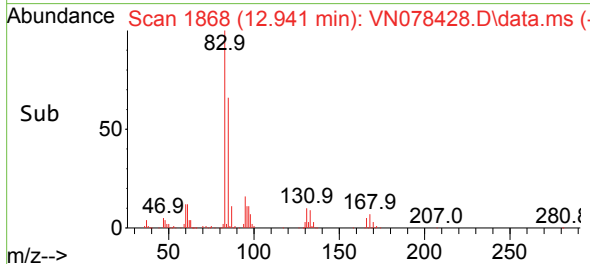
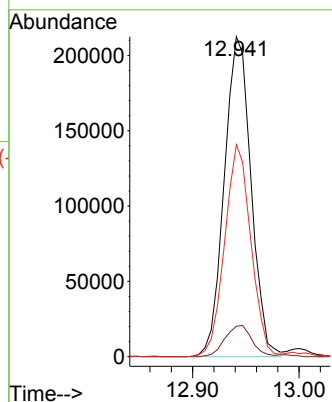
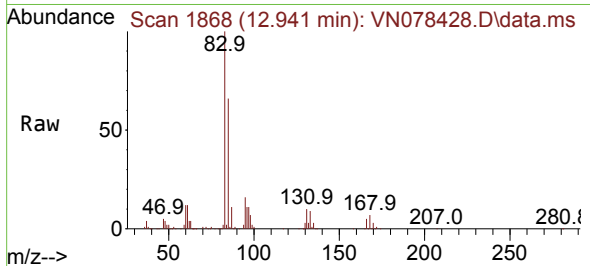




#75
 1,1,2,2-Tetrachloroethane
 Concen: 63.212 ug/l
 RT: 12.941 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

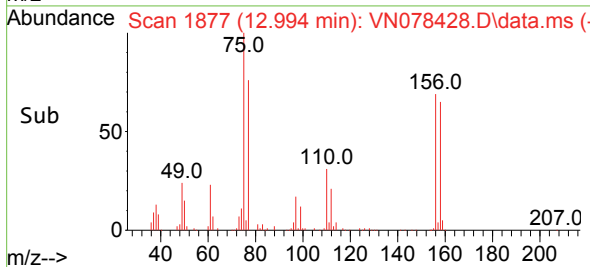
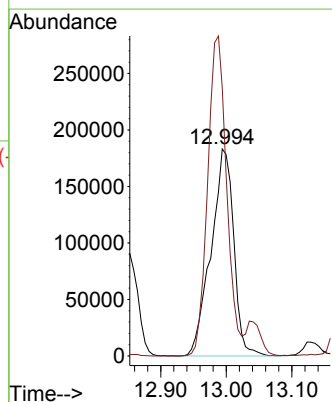
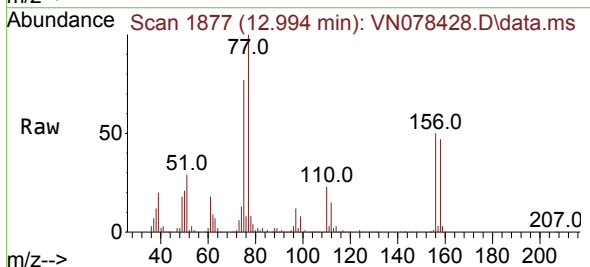
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1MSD

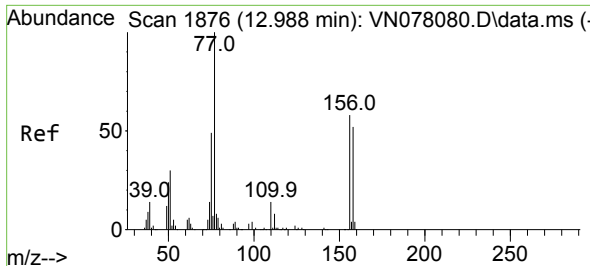
Tgt Ion: 83 Resp: 370510
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.0 15.0
 85 64.8 31.9 95.7



#76
 1,2,3-Trichloropropane
 Concen: 81.965 ug/l
 RT: 12.994 min Scan# 1877
 Delta R.T. -0.006 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

Tgt Ion: 75 Resp: 441193
 Ion Ratio Lower Upper
 75 100
 77 129.0 84.5 253.5

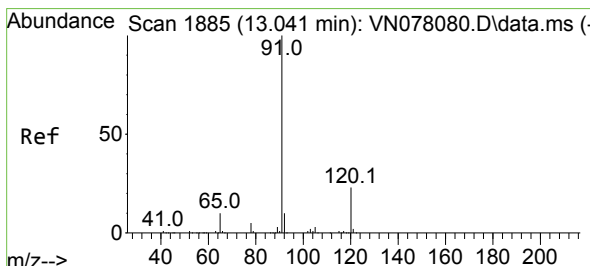
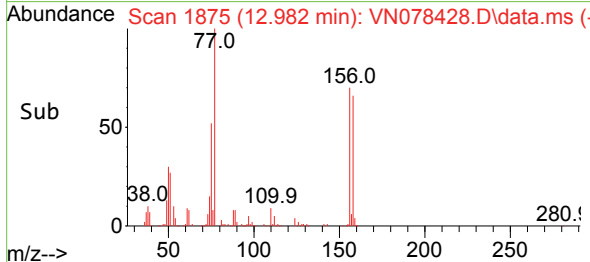
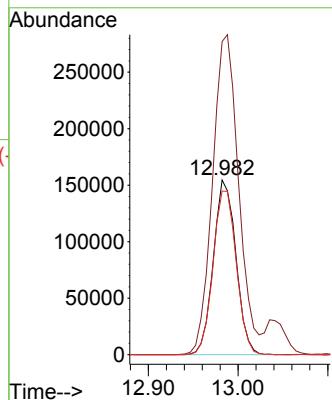
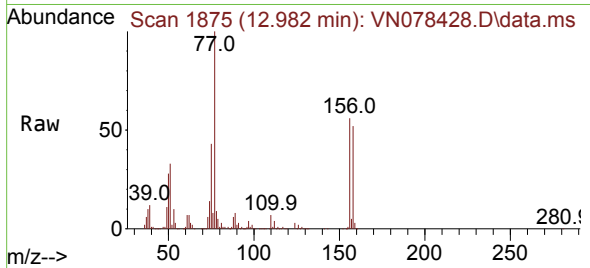




#77
Bromobenzene
Concen: 53.954 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

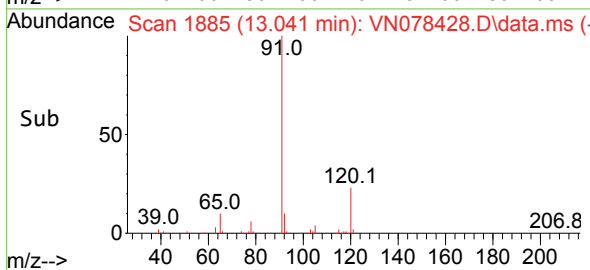
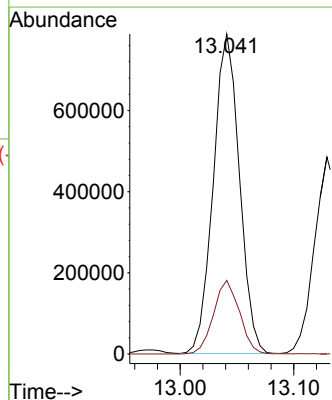
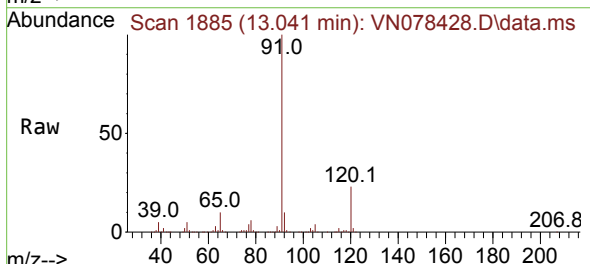
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

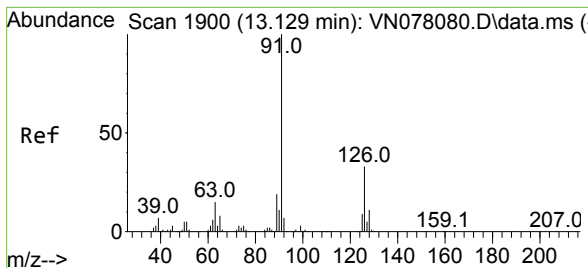
Tgt Ion:156 Resp: 269675
Ion Ratio Lower Upper
156 100
77 211.1 107.7 323.3
158 96.7 48.4 145.3



#78
n-propylbenzene
Concen: 53.821 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 91 Resp: 1259034
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.4

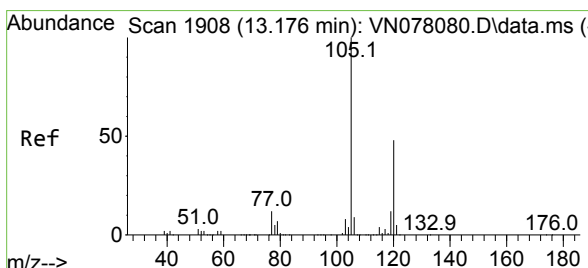
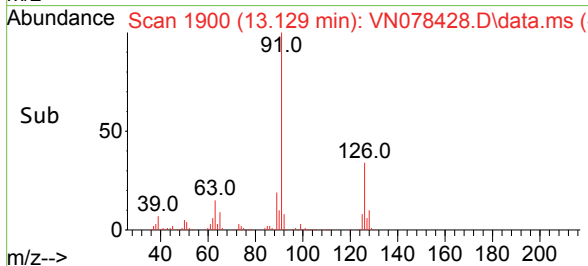
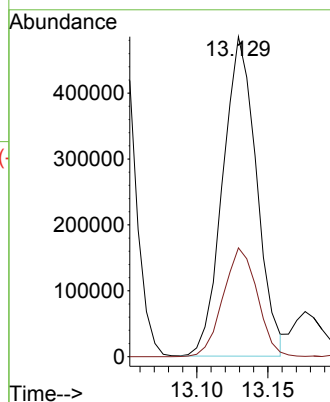
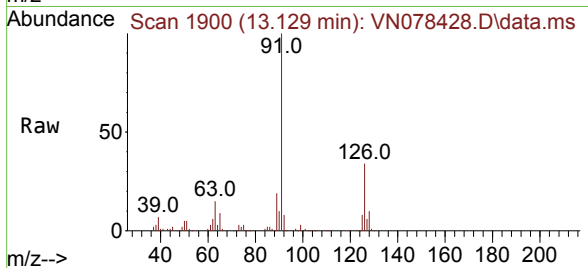




#79
2-Chlorotoluene
Concen: 53.132 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

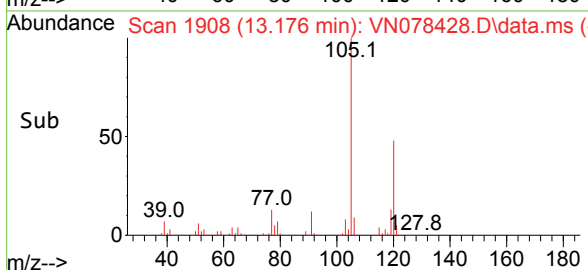
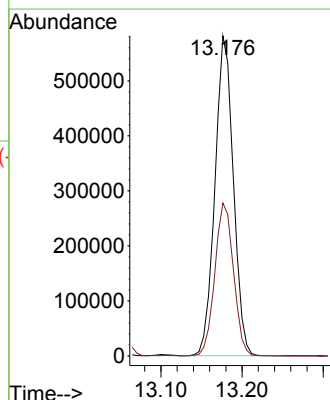
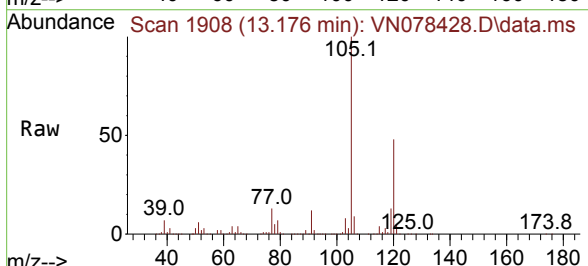
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

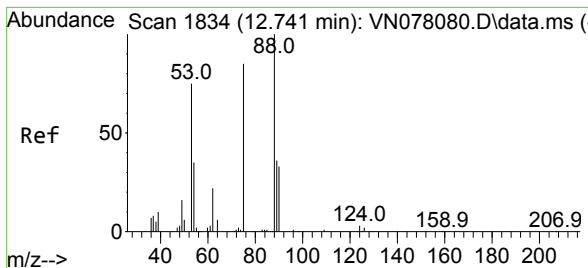
Tgt Ion: 91 Resp: 802305
Ion Ratio Lower Upper
91 100
126 34.5 16.3 48.8



#80
1,3,5-Trimethylbenzene
Concen: 52.487 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion:105 Resp: 914969
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.3

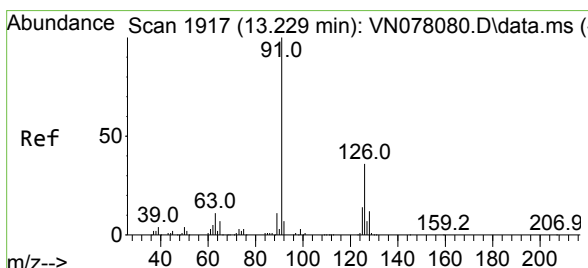
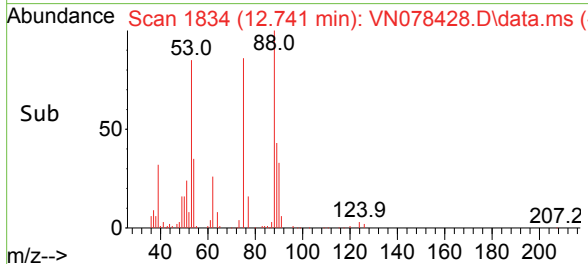
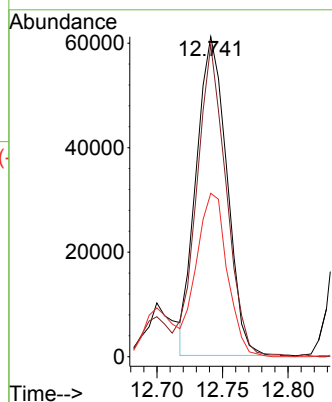
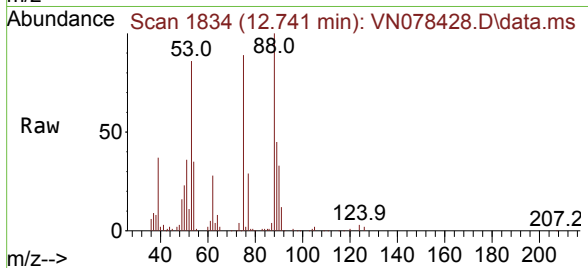




#81
trans-1,4-Dichloro-2-butene
Concen: 56.316 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

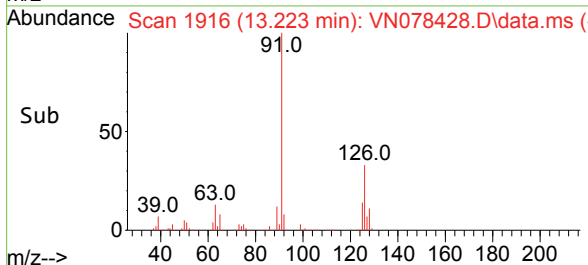
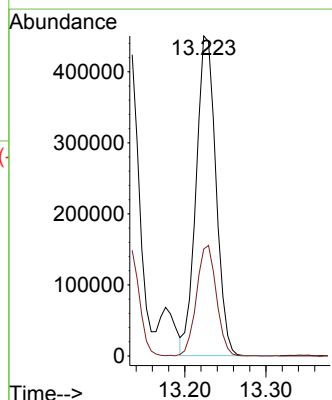
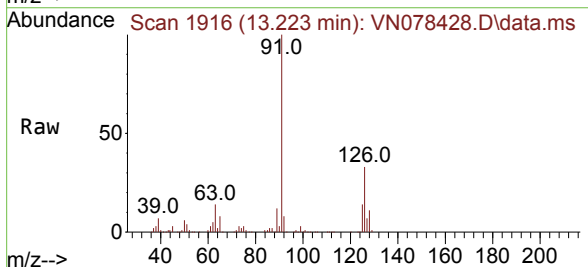
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

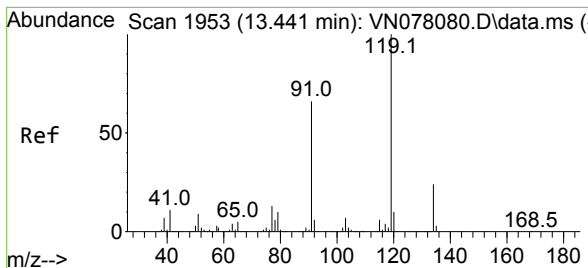
Tgt Ion: 75 Resp: 98666
Ion Ratio Lower Upper
75 100
53 95.1 67.4 101.2
89 52.1 38.8 58.2



#82
4-Chlorotoluene
Concen: 54.147 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion: 91 Resp: 763104
Ion Ratio Lower Upper
91 100
126 34.8 16.7 50.0





#83

tert-Butylbenzene

Concen: 50.546 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

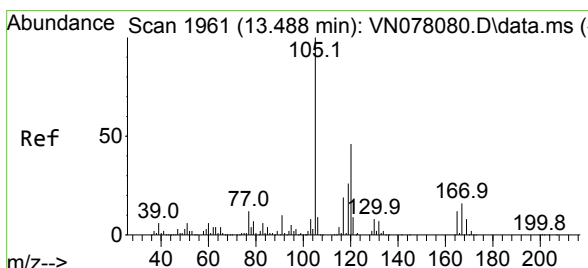
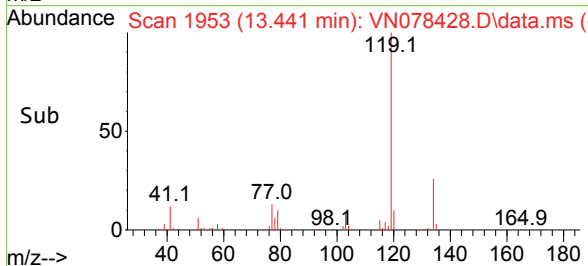
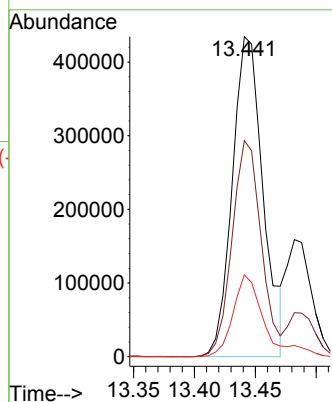
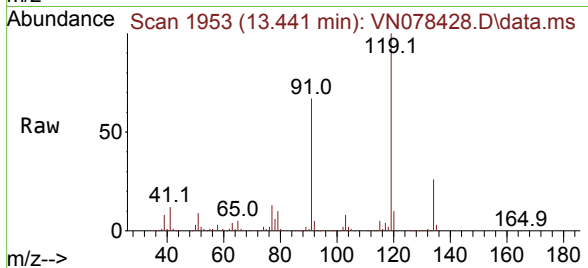
Tgt Ion:119 Resp: 765921

Ion Ratio Lower Upper

119 100

91 63.9 33.9 101.7

134 25.9 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 54.493 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078428.D

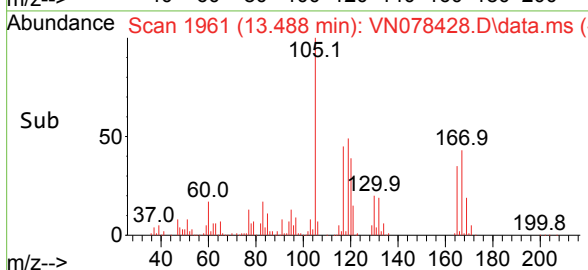
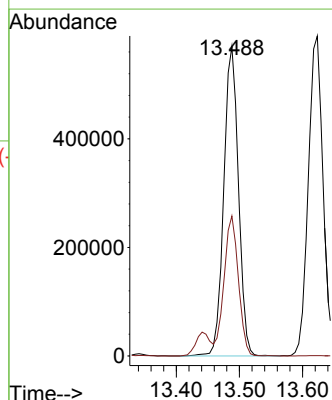
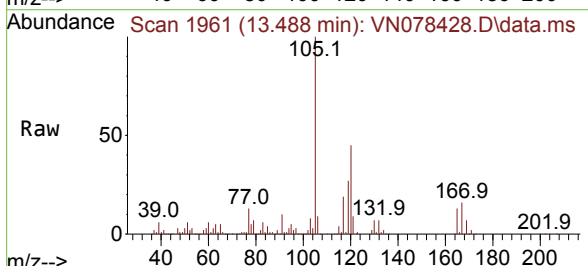
Acq: 27 Jun 2023 19:53

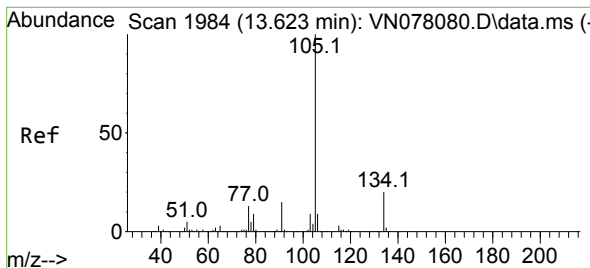
Tgt Ion:105 Resp: 920965

Ion Ratio Lower Upper

105 100

120 44.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 47.977 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

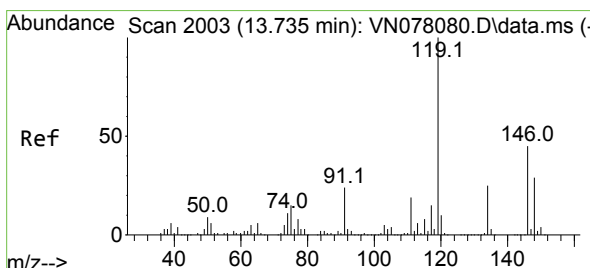
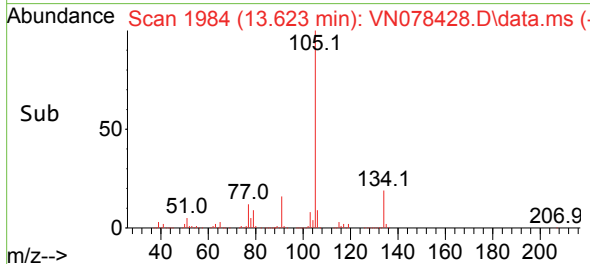
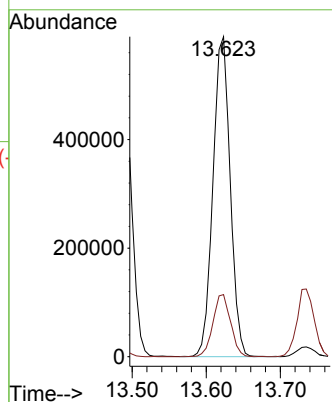
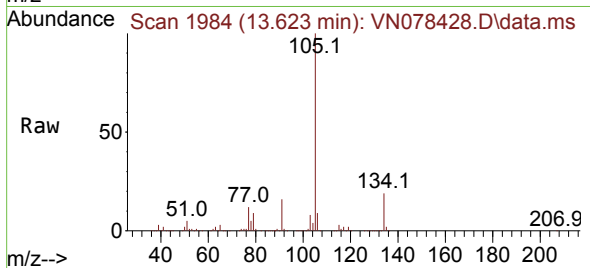
TW-1MSD

Tgt Ion:105 Resp: 951534

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.3



#86

p-Isopropyltoluene

Concen: 49.613 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

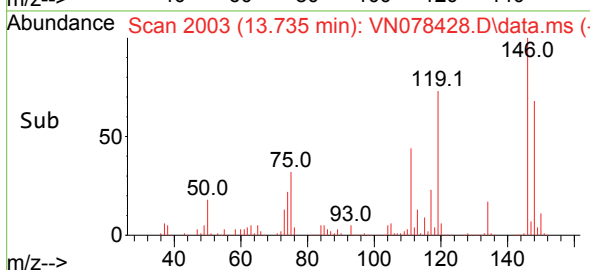
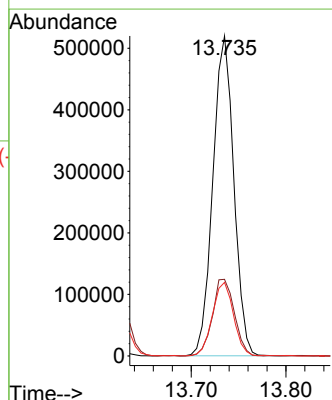
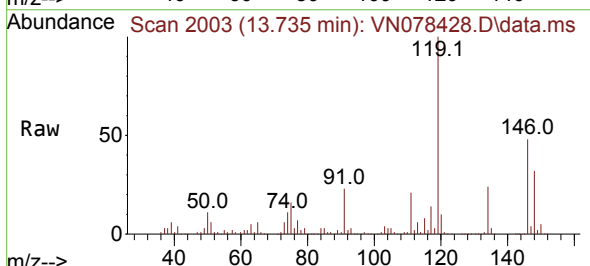
Tgt Ion:119 Resp: 798499

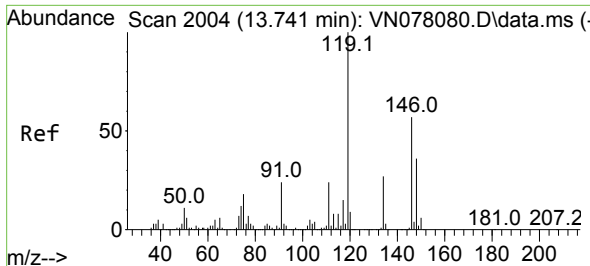
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 23.1 12.4 37.2

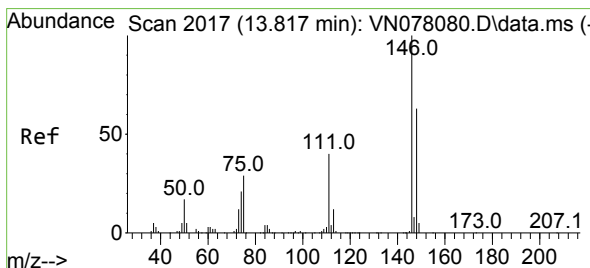
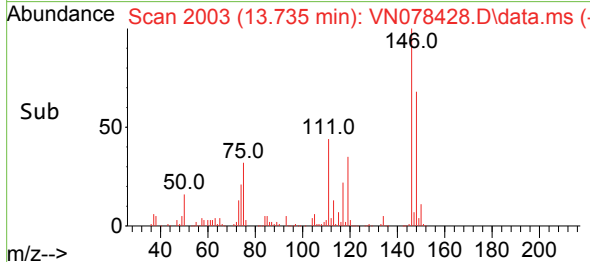
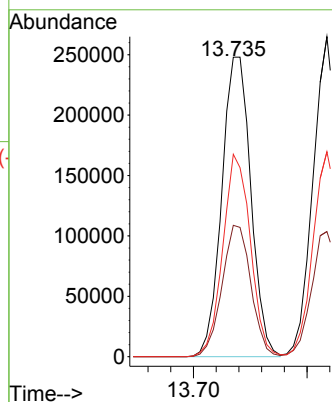
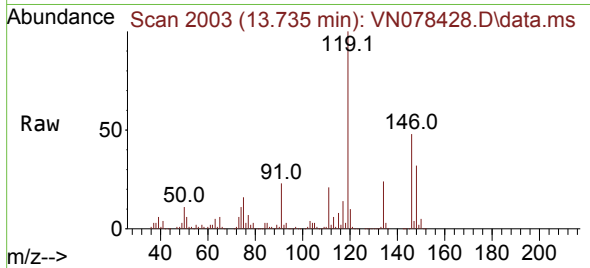




#87
1,3-Dichlorobenzene
Concen: 52.216 ug/l
RT: 13.735 min Scan# 2004
Delta R.T. -0.006 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

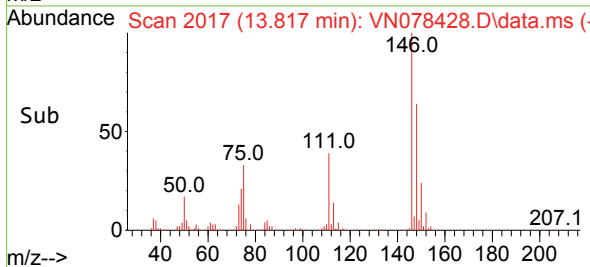
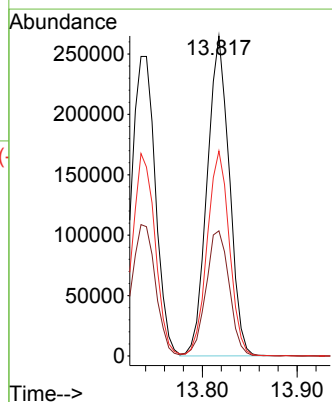
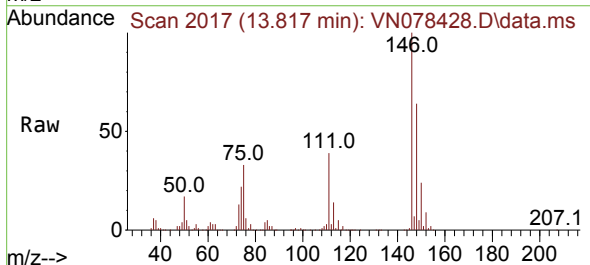
Instrument :
MSVOA_N
ClientSampleId :
TW-1MSD

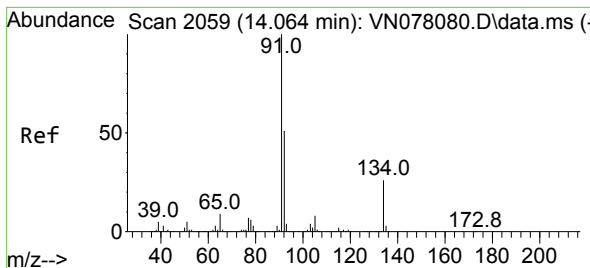
Tgt Ion:146 Resp: 441465
Ion Ratio Lower Upper
146 100
111 43.5 22.1 66.3
148 64.2 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 52.511 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN078428.D
Acq: 27 Jun 2023 19:53

Tgt Ion:146 Resp: 428389
Ion Ratio Lower Upper
146 100
111 41.1 20.6 61.8
148 64.3 31.6 94.8





#89

n-Butylbenzene

Concen: 47.295 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

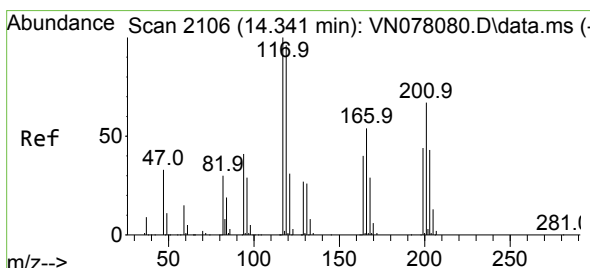
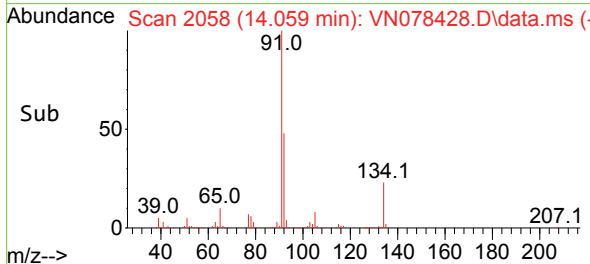
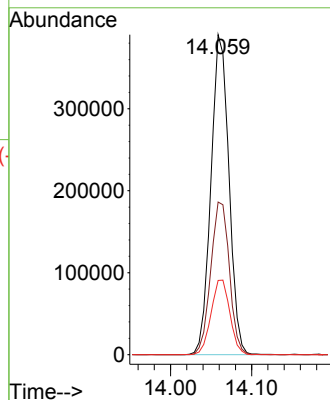
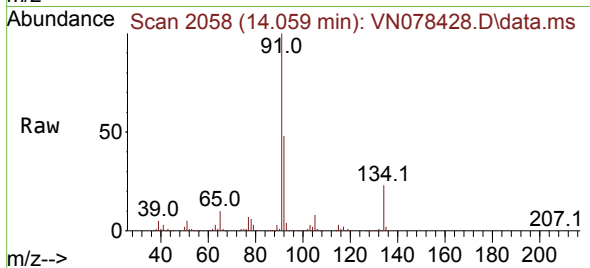
Tgt Ion: 91 Resp: 600401

Ion Ratio Lower Upper

91 100

92 49.5 26.4 79.0

134 24.4 12.6 37.6



#90

Hexachloroethane

Concen: 51.620 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. -0.000 min

Lab File: VN078428.D

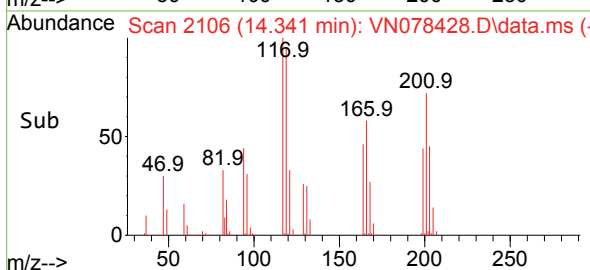
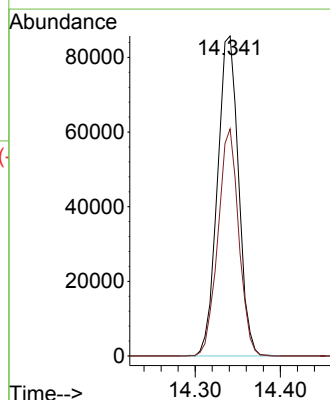
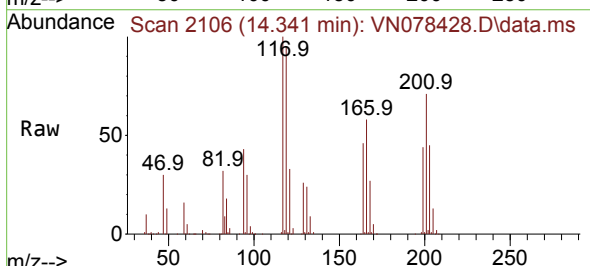
Acq: 27 Jun 2023 19:53

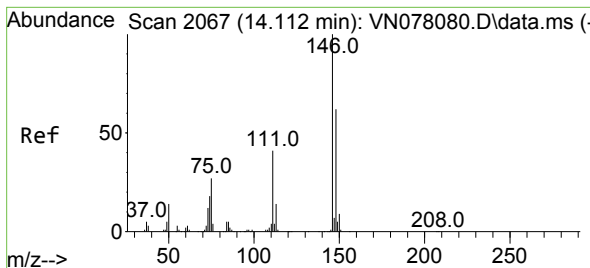
Tgt Ion: 117 Resp: 147439

Ion Ratio Lower Upper

117 100

201 70.0 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 52.874 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

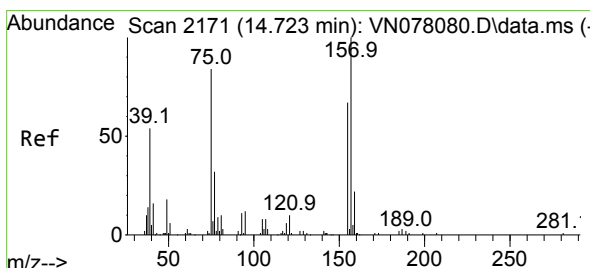
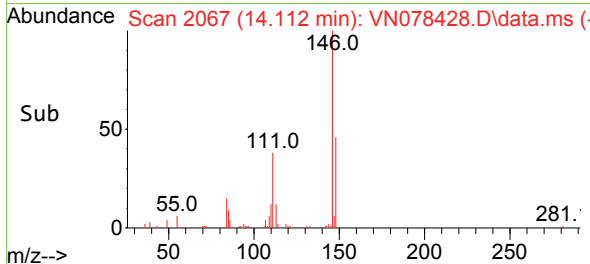
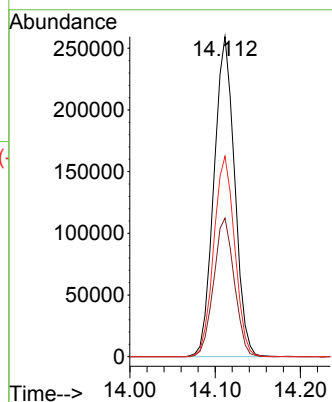
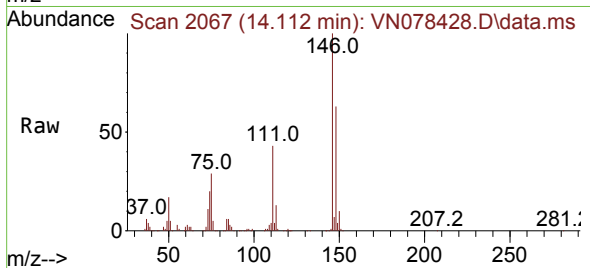
Tgt Ion:146 Resp: 436891

Ion Ratio Lower Upper

146 100

111 43.2 22.0 66.0

148 63.4 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.046 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

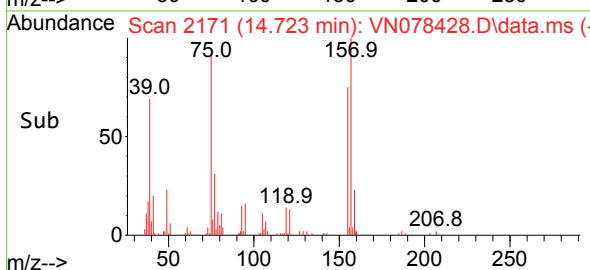
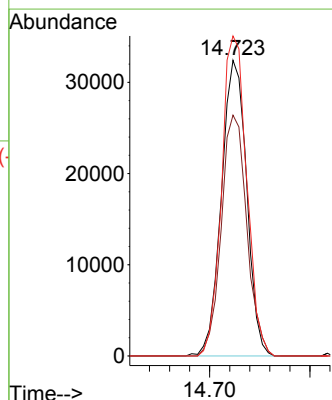
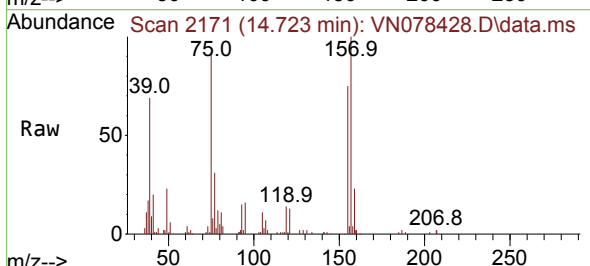
Tgt Ion: 75 Resp: 56573

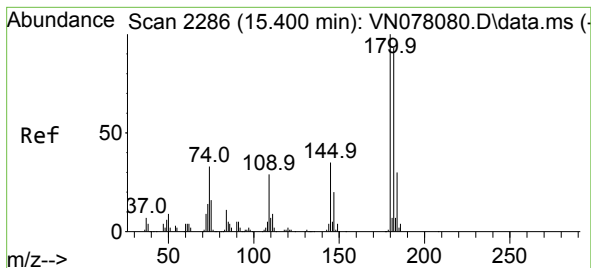
Ion Ratio Lower Upper

75 100

155 82.4 39.1 117.2

157 107.4 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 45.976 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1MSD

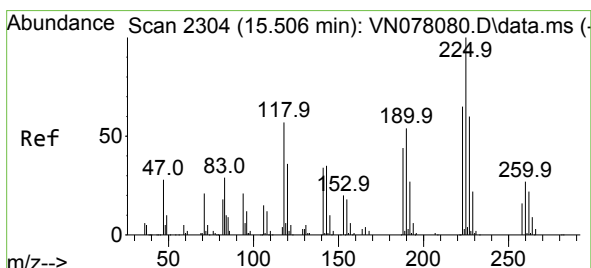
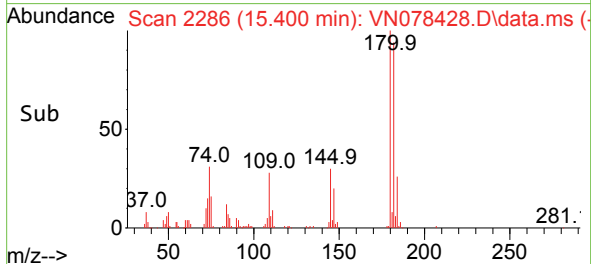
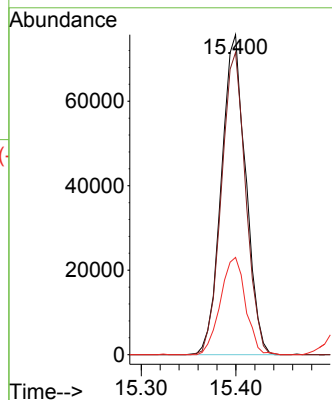
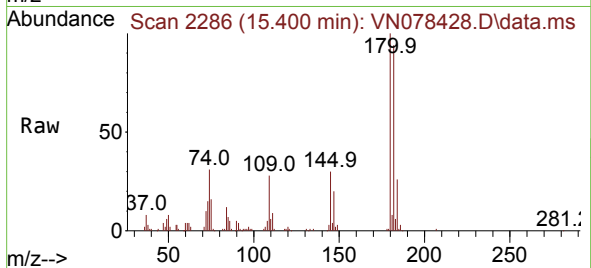
Tgt Ion:180 Resp: 135354

Ion Ratio Lower Upper

180 100

182 94.0 46.1 138.2

145 31.4 16.6 49.8



#94

Hexachlorobutadiene

Concen: 48.733 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078428.D

Acq: 27 Jun 2023 19:53

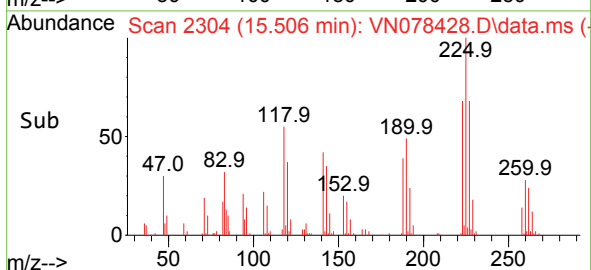
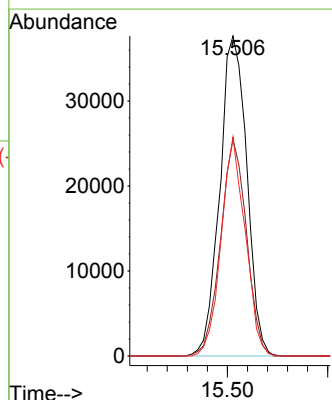
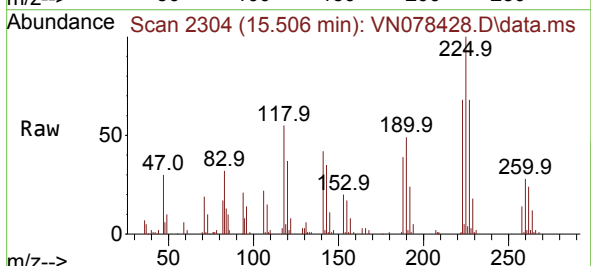
Tgt Ion:225 Resp: 70423

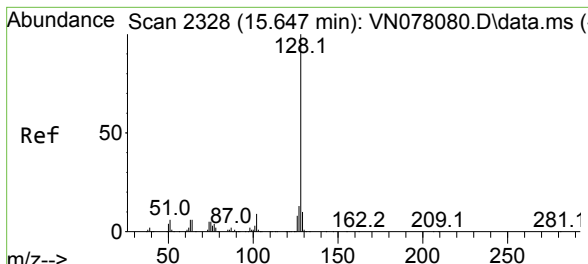
Ion Ratio Lower Upper

225 100

223 65.1 31.3 93.8

227 61.0 31.9 95.9

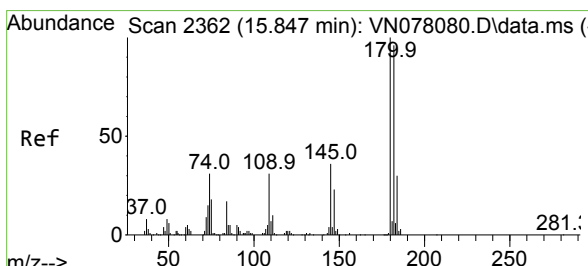
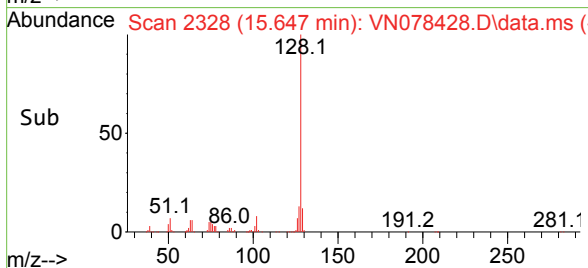
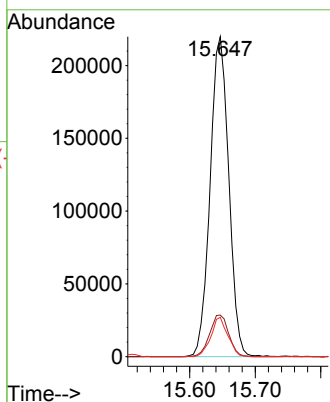
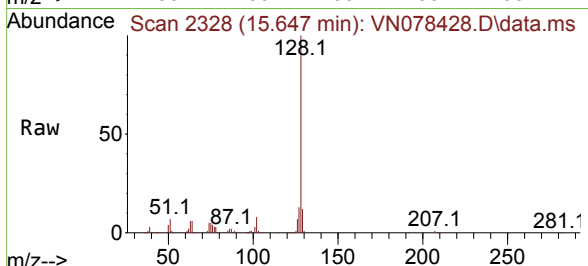




#95
 Naphthalene
 Concen: 43.820 ug/l
 RT: 15.647 min Scan# 2328
 Delta R.T. 0.000 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1MSD

Tgt Ion:	128	Resp:	433949
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.0	15.0
129	11.2	8.7	13.1



#96
 1,2,3-Trichlorobenzene
 Concen: 45.426 ug/l
 RT: 15.841 min Scan# 2361
 Delta R.T. -0.006 min
 Lab File: VN078428.D
 Acq: 27 Jun 2023 19:53

Tgt Ion:	180	Resp:	149570
Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.2	138.6
145	33.6	17.5	52.6

