

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
 Data File : VN079140.D
 Acq On : 02 Sep 2023 13:59
 Operator : JC\MD
 Sample : PB155301ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#02

Quant Time: Sep 04 01:03:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

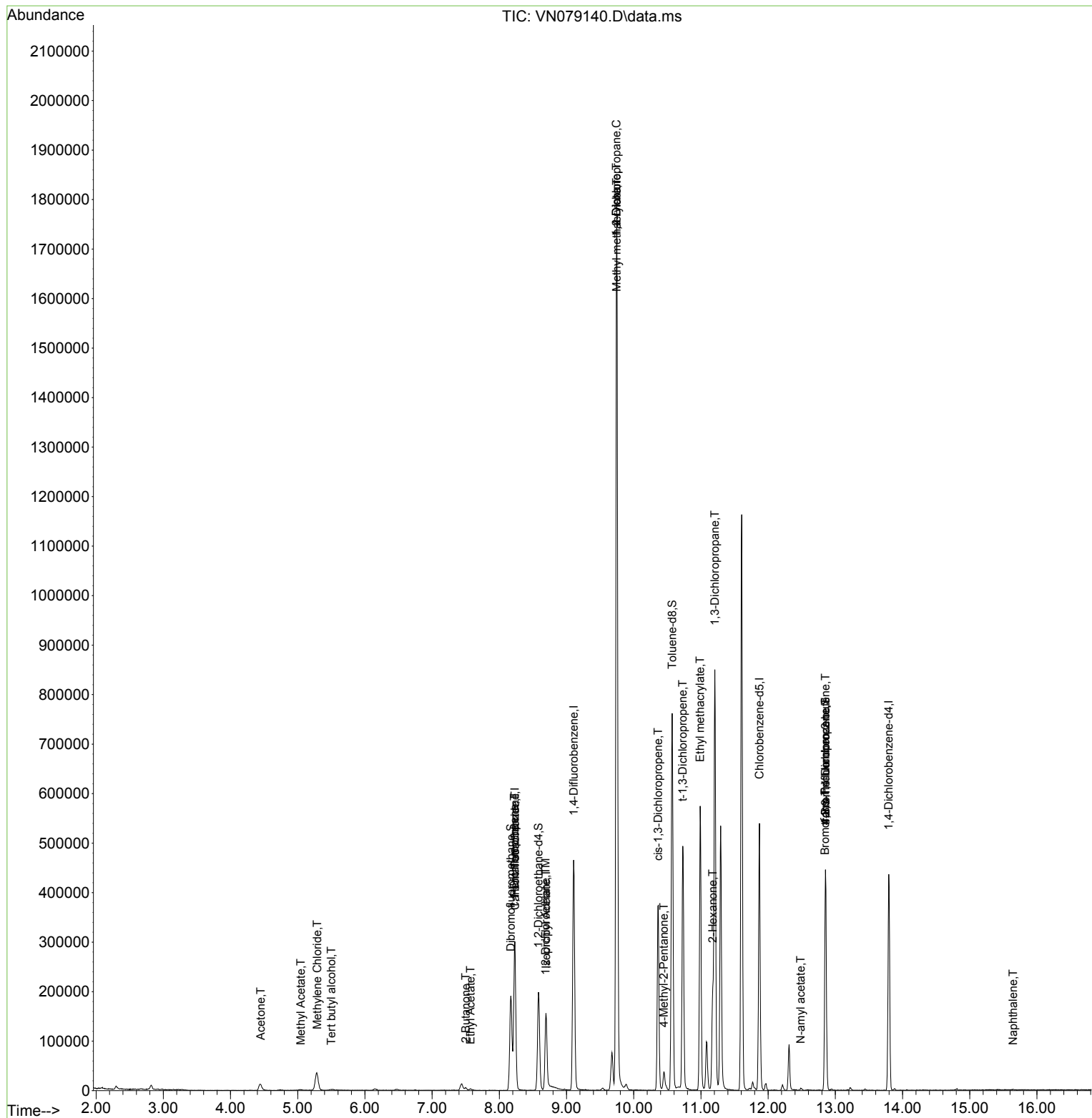
Internal Standards						
1) Pentafluorobenzene	8.230	168	217442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	414120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	283122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	161776	47.812	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.620%		
35) Dibromofluoromethane	8.171	113	143048	51.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.640%		
50) Toluene-d8	10.571	98	538249	52.001	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.000%		
62) 4-Bromofluorobenzene	12.853	95	161866	47.843	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.680%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.500	59	1312	2.311	ug/l #	72
16) Acetone	4.448	43	26317	18.850	ug/l	89
18) Methyl Acetate	5.048	43	3102	0.526	ug/l #	52
20) Methylene Chloride	5.289	84	29912	10.054	ug/l	94
25) 2-Butanone	7.500	43	7767	3.470	ug/l	97
31) Cyclohexane	8.224	56	4419	Below Cal	#	1
36) 1,1-Dichloropropene	8.224	75	18140	4.326	ug/l #	47
37) Ethyl Acetate	7.571	43	4914	1.047	ug/l #	77
38) Carbon Tetrachloride	8.236	117	22962	5.465	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	1422	0.307	ug/l #	73
43) Isopropyl Acetate	8.694	43	180054	21.713	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	2110	0.639	ug/l #	45
48) Methyl methacrylate	9.747	41	157963	42.036	ug/l #	26
49) 1,4-Dioxane	9.741	88	90	1.406	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	31211	6.346	ug/l #	83
53) t-1,3-Dichloropropene	10.730	75	1430	0.298	ug/l	92
54) cis-1,3-Dichloropropene	10.365	75	70722	13.548	ug/l #	67
56) Ethyl methacrylate	10.988	69	2555	0.540	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9301	1.704	ug/l #	42
59) 2-Hexanone	11.177	43	171874	48.247	ug/l #	19
71) Bromoform	12.847	173	778	0.470	ug/l #	1
74) N-amyl acetate	12.482	43	1947	0.384	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	84622	29.133	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	84622	74.421	ug/l #	15
95) Naphthalene	15.647	128	1071	2.757	ug/l #	70

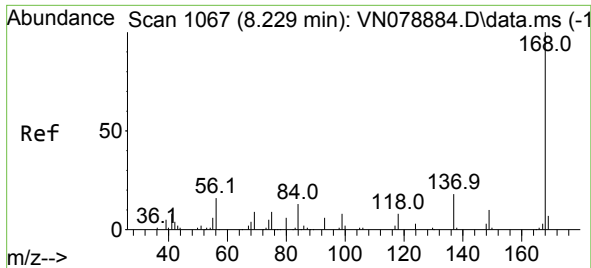
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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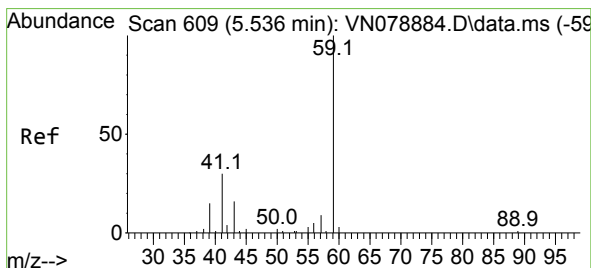
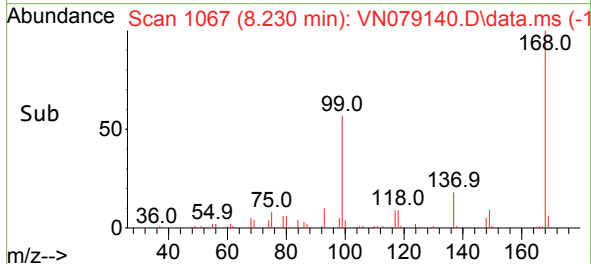
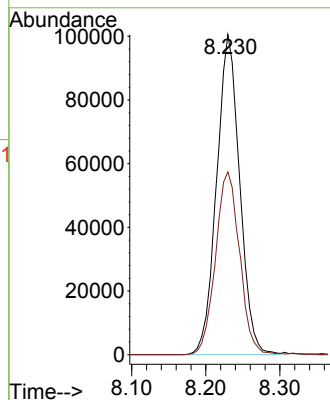
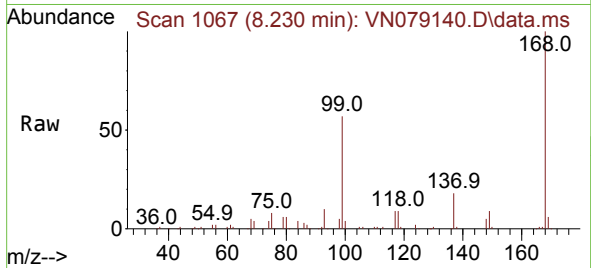




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

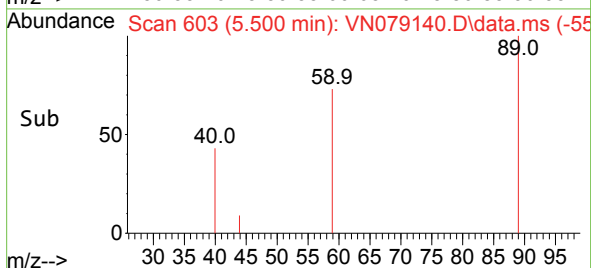
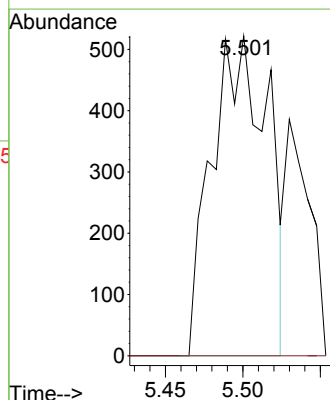
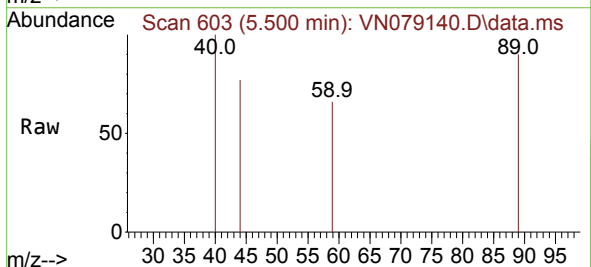
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

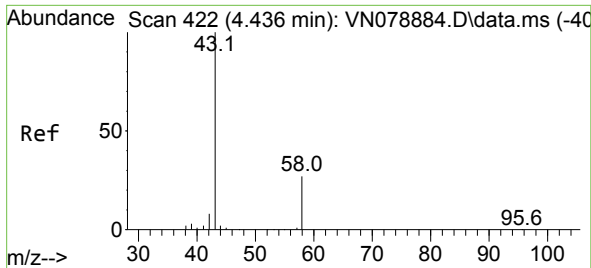
Tgt Ion:168 Resp: 217442
Ion Ratio Lower Upper
168 100
99 57.1 53.0 79.6



#11
Tert butyl alcohol
Concen: 2.311 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.042 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion: 59 Resp: 1312
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 18.850 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN079140.D

Acq: 02 Sep 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :

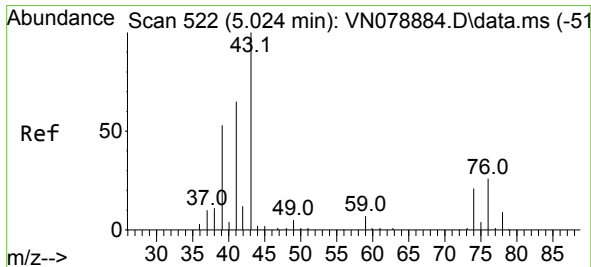
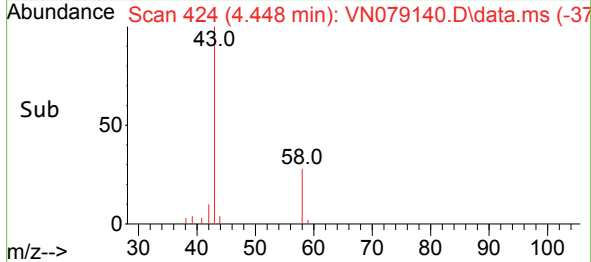
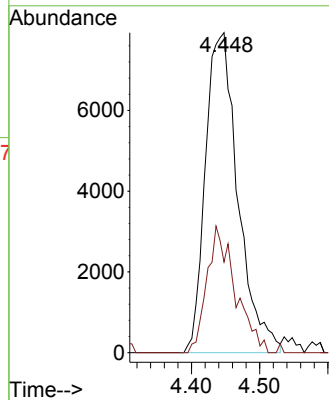
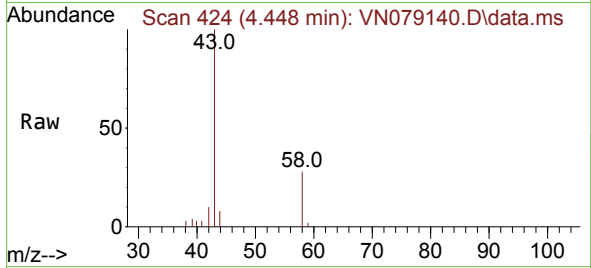
PB155301ZHE#02

Tgt Ion: 43 Resp: 26317

Ion Ratio Lower Upper

43 100

58 28.3 28.0 42.0



#18

Methyl Acetate

Concen: 0.526 ug/l

RT: 5.048 min Scan# 526

Delta R.T. 0.006 min

Lab File: VN079140.D

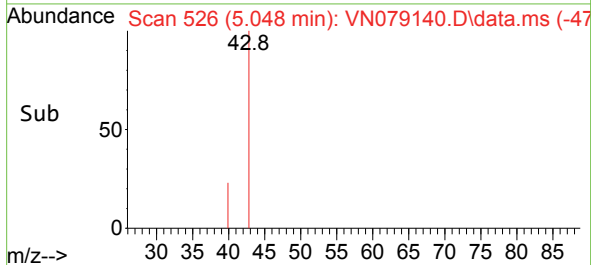
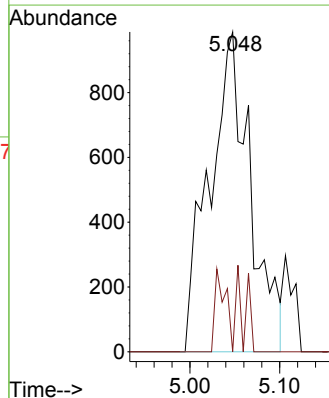
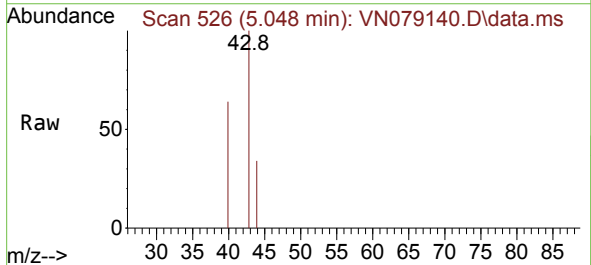
Acq: 02 Sep 2023 13:59

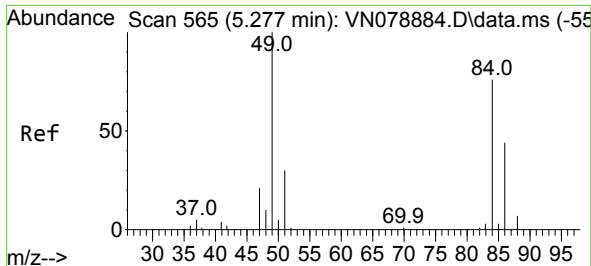
Tgt Ion: 43 Resp: 3102

Ion Ratio Lower Upper

43 100

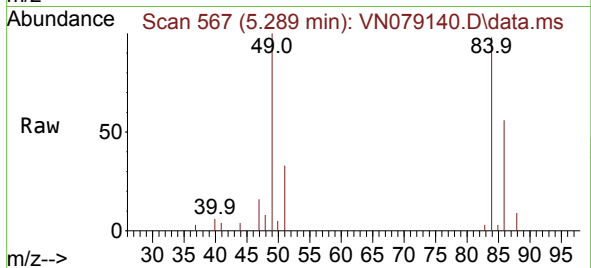
74 5.8 26.2 39.4#



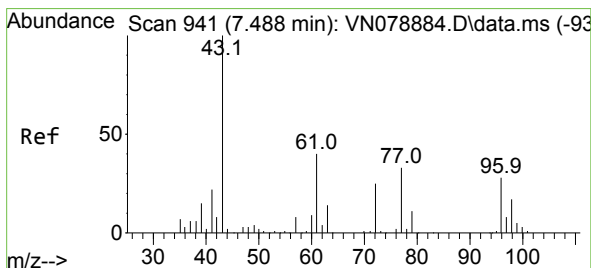
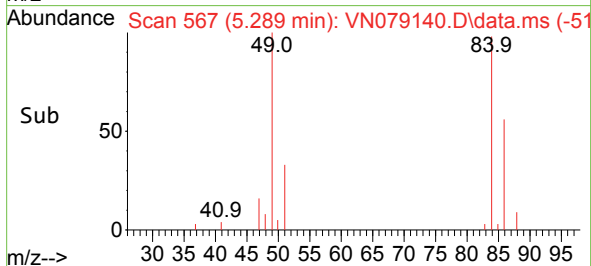
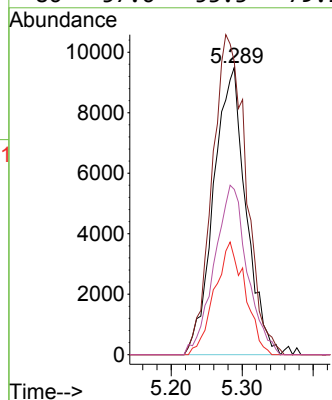


#20
Methylene Chloride
Concen: 10.054 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

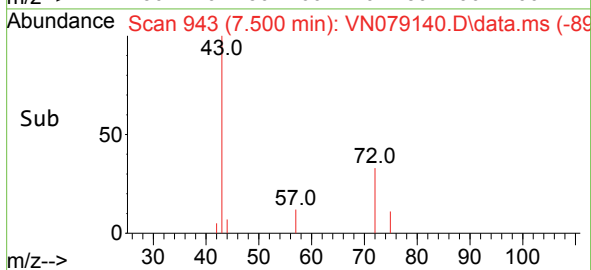
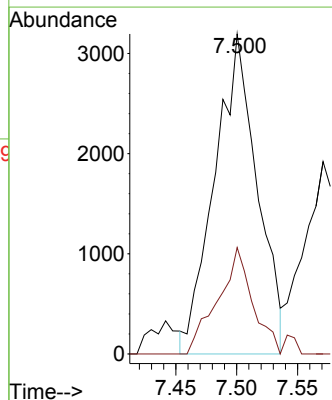
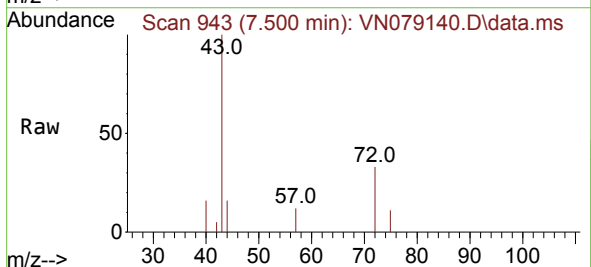


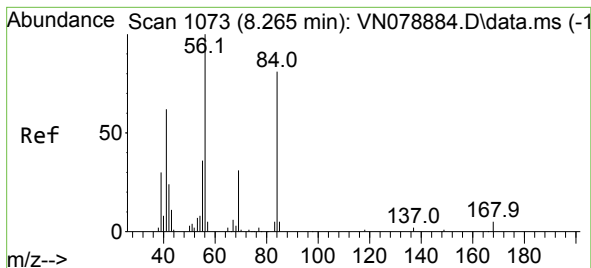
Tgt Ion:	84	Resp:	29912
Ion	Ratio	Lower	Upper
84	100		
49	102.0	79.7	119.5
51	33.7	25.2	37.8
86	57.6	53.3	79.9



#25
2-Butanone
Concen: 3.470 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion:	43	Resp:	7767
Ion	Ratio	Lower	Upper
43	100		
72	35.8	30.2	45.2





#31

Cyclohexane

Concen: Below Cal

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN079140.D

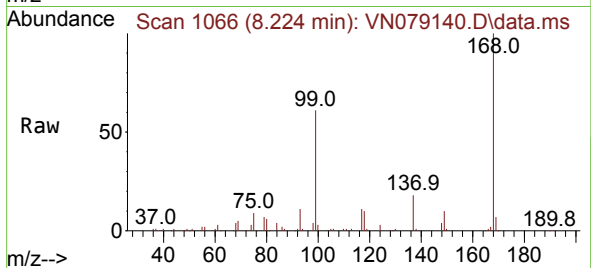
Acq: 02 Sep 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#02



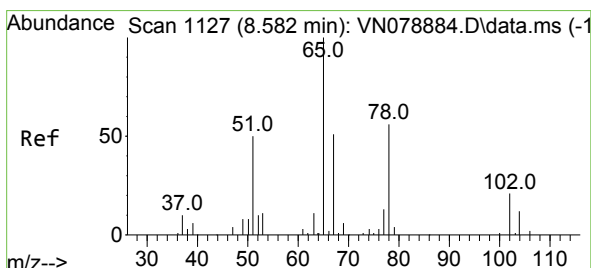
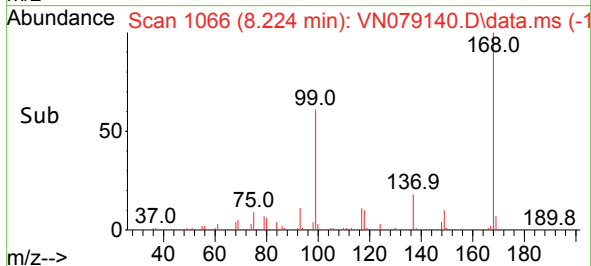
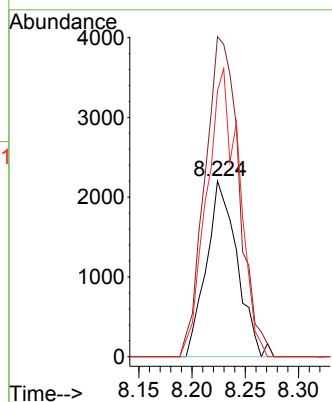
Tgt Ion: 56 Resp: 4419

Ion Ratio Lower Upper

56 100

69 182.2 26.8 40.2#

84 151.3 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 47.812 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079140.D

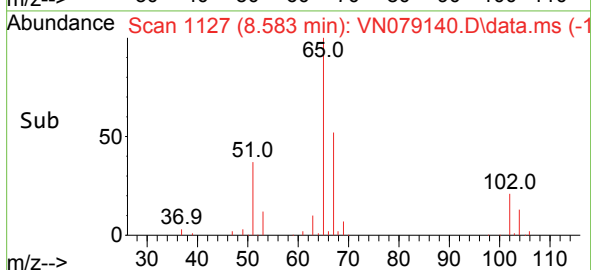
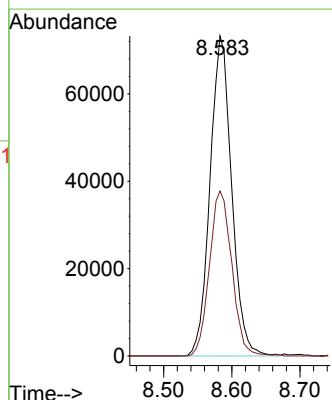
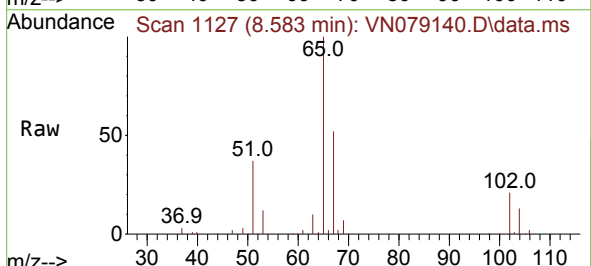
Acq: 02 Sep 2023 13:59

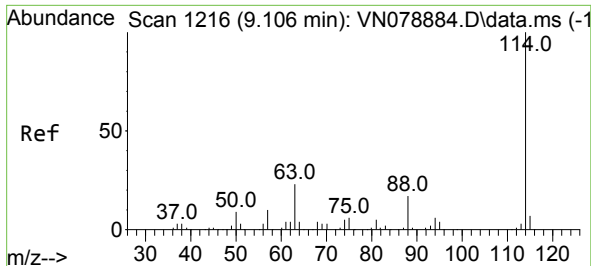
Tgt Ion: 65 Resp: 161776

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079140.D

Acq: 02 Sep 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#02

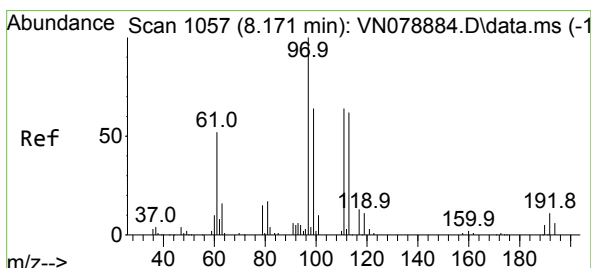
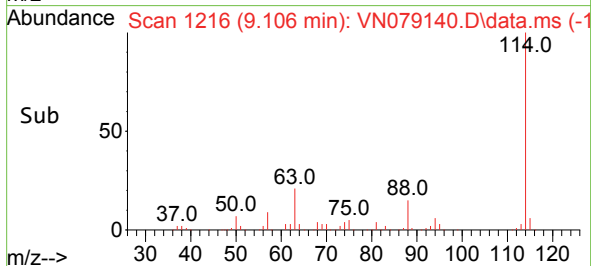
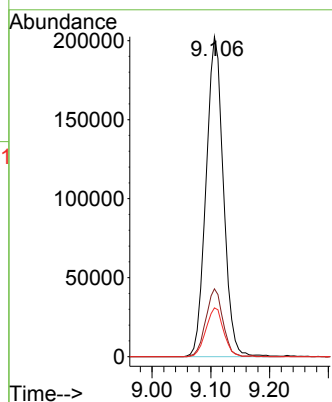
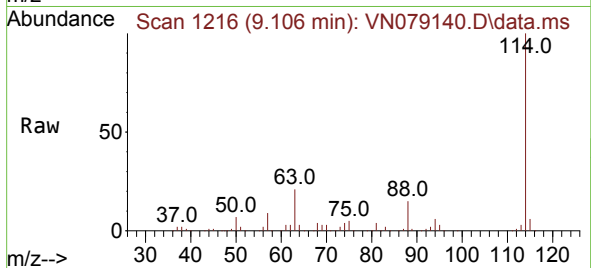
Tgt Ion:114 Resp: 414120

Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.315 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079140.D

Acq: 02 Sep 2023 13:59

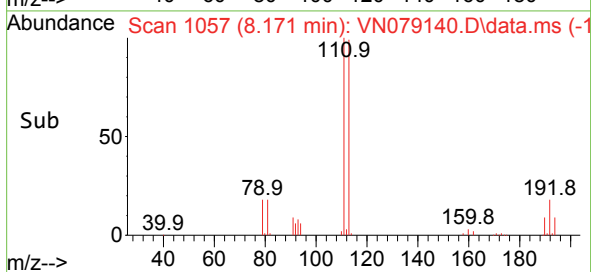
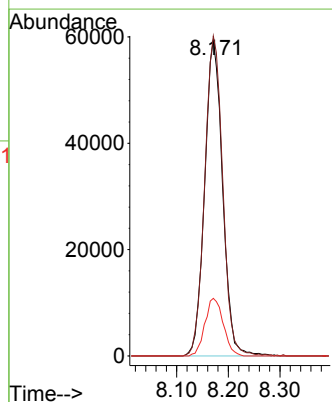
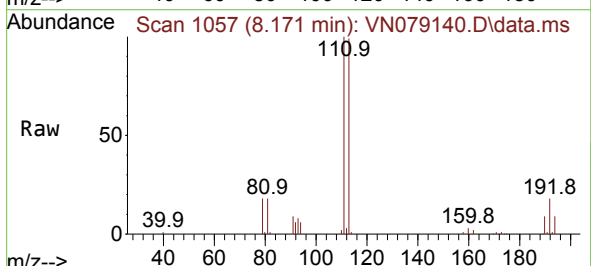
Tgt Ion:113 Resp: 143048

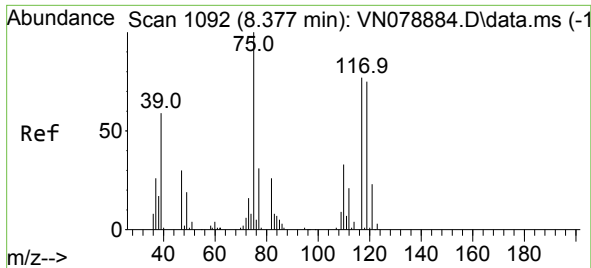
Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

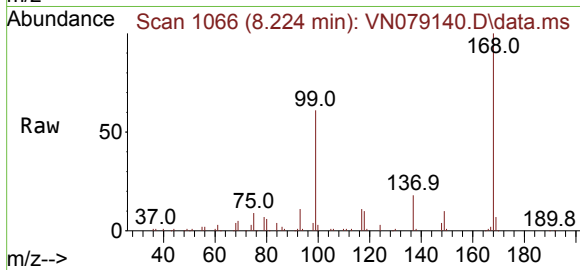
192 18.7 12.7 19.1



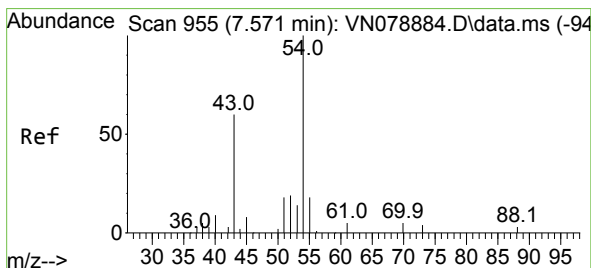
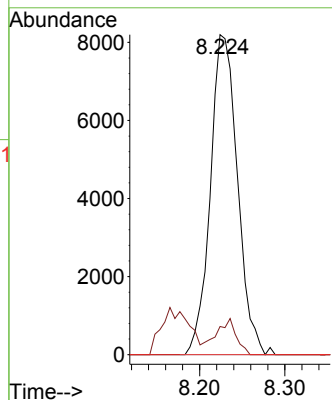
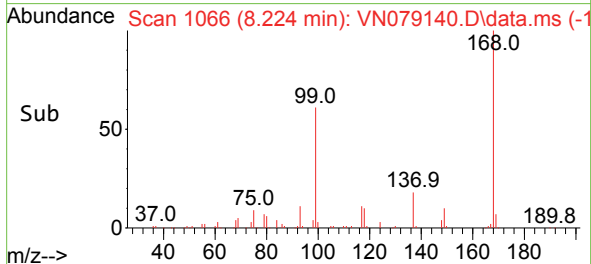


#36
1,1-Dichloropropene
Concen: 4.326 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

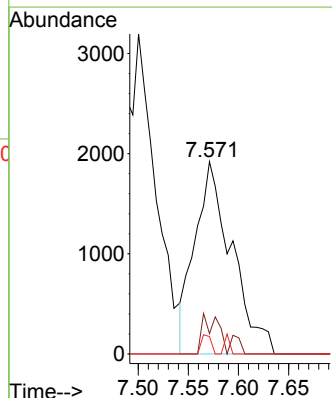
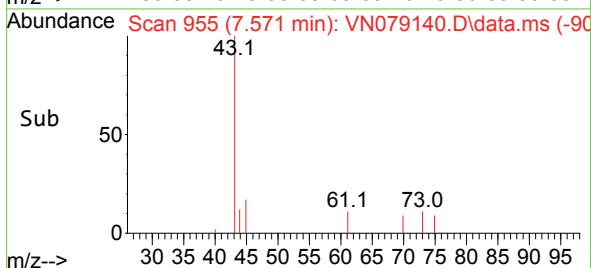
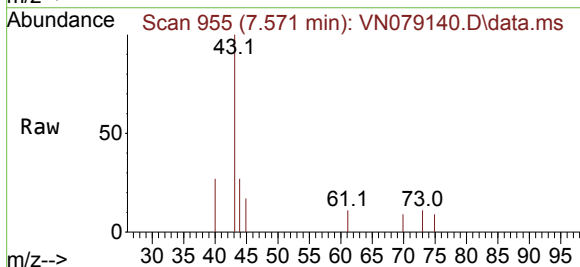


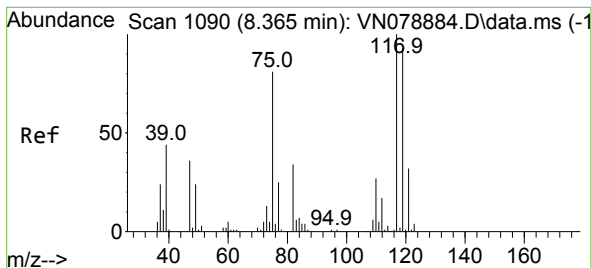
Tgt Ion: 75 Resp: 18140
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.047 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion: 43 Resp: 4914
Ion Ratio Lower Upper
43 100
61 8.9 13.2 19.8#
70 2.6 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.465 ug/l

RT: 8.236 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN079140.D

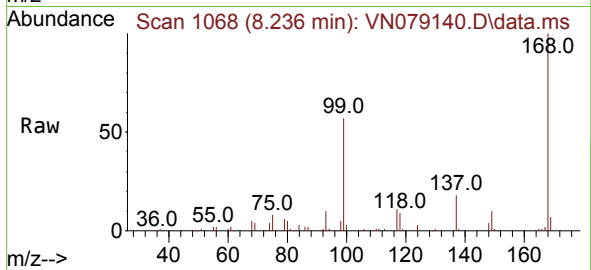
Acq: 02 Sep 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#02



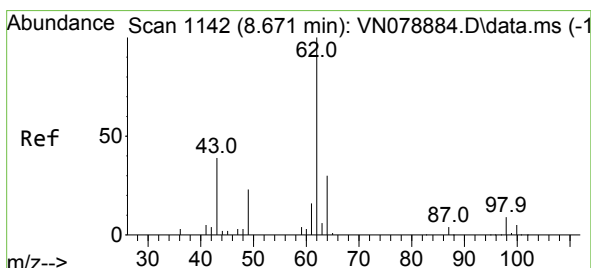
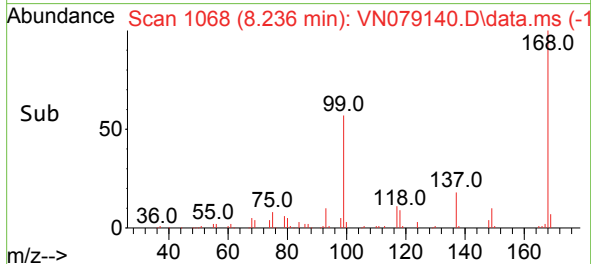
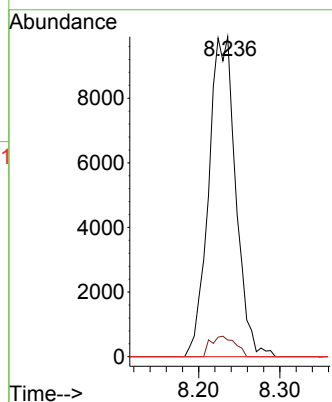
Tgt Ion:117 Resp: 22962

Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.307 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN079140.D

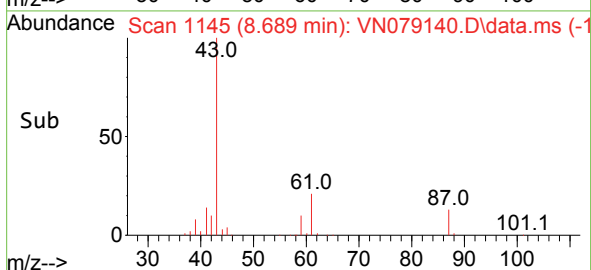
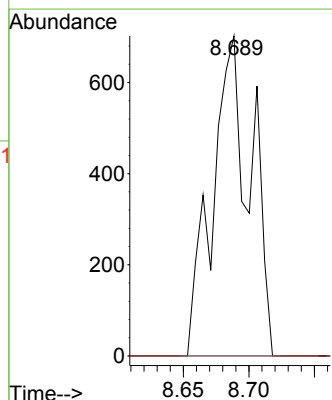
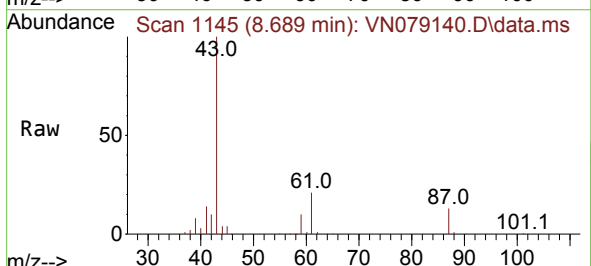
Acq: 02 Sep 2023 13:59

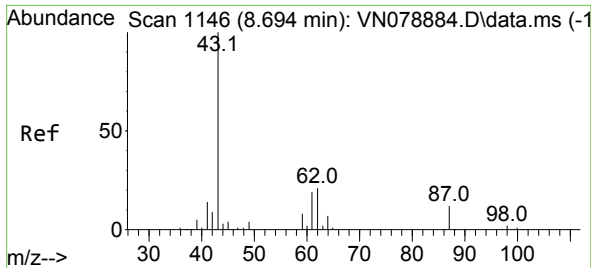
Tgt Ion: 62 Resp: 1422

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

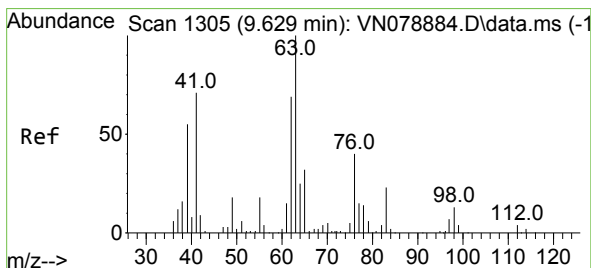
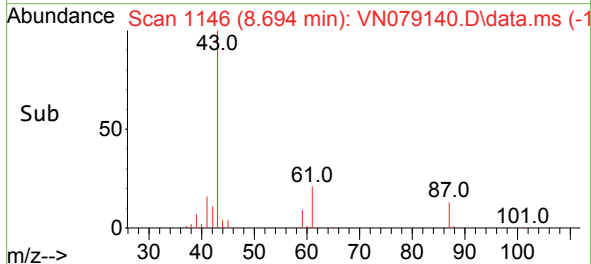
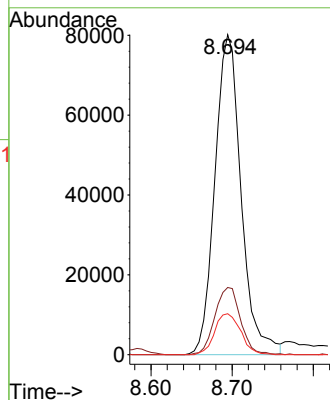
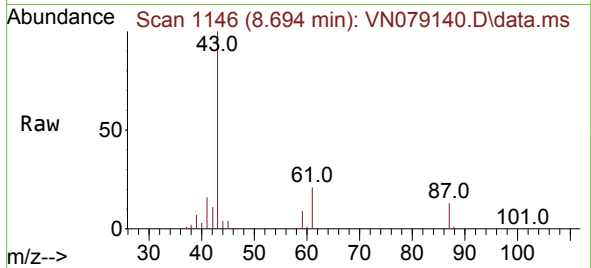




#43
Isopropyl Acetate
Concen: 21.713 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

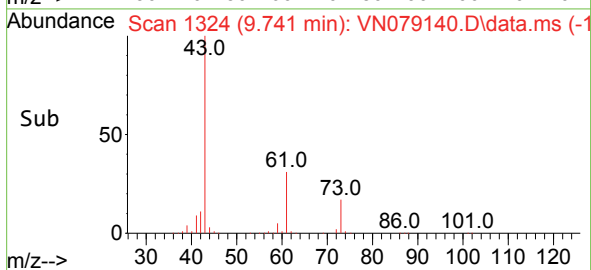
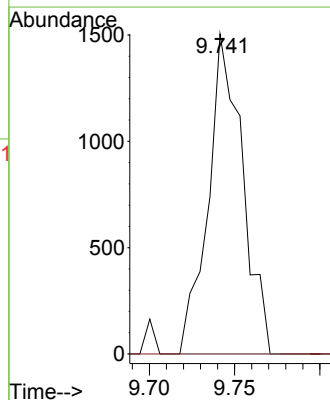
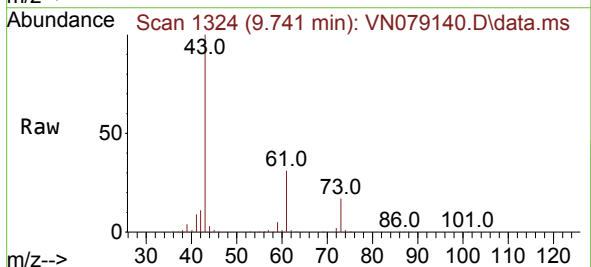
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

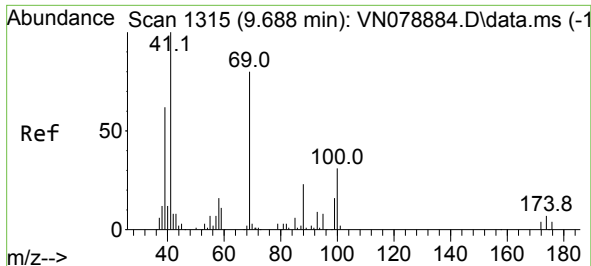
Tgt Ion: 43 Resp: 180054
Ion Ratio Lower Upper
43 100
61 20.6 24.7 37.1#
87 12.7 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.639 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

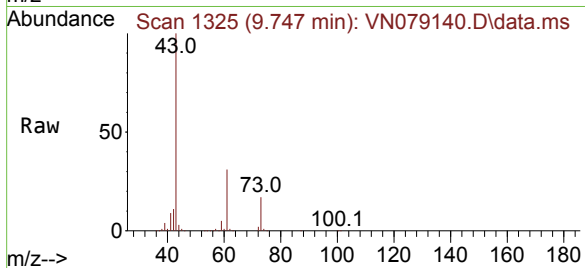
Tgt Ion: 63 Resp: 2110
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



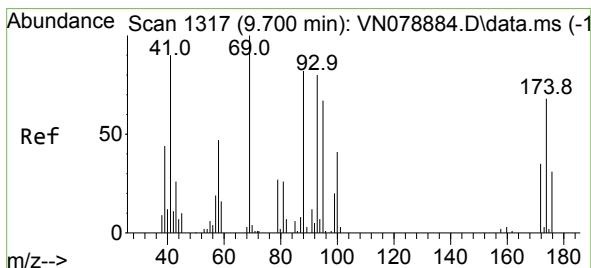
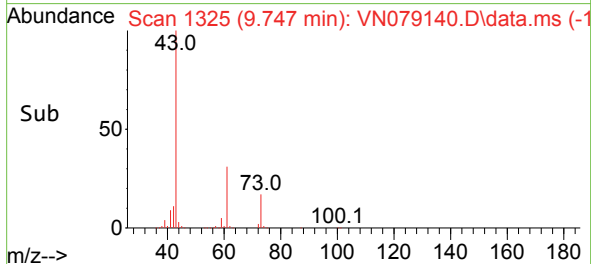
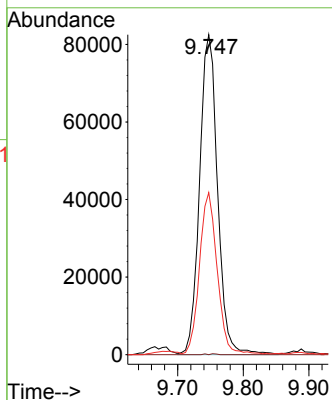


#48
Methyl methacrylate
Concen: 42.036 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

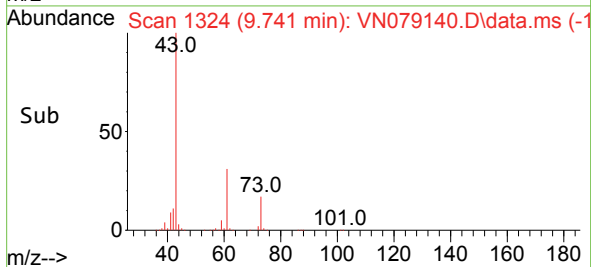
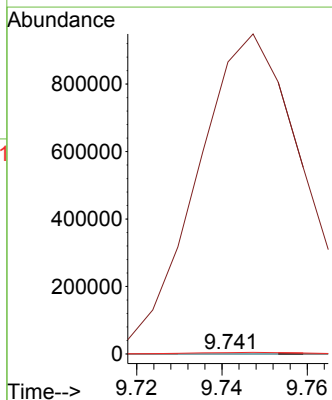
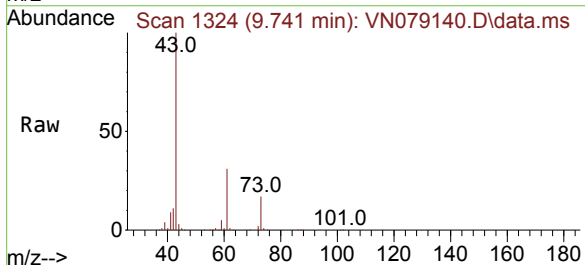


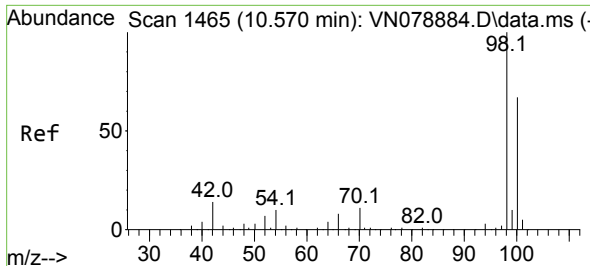
Tgt Ion: 41 Resp: 157963
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 50.1 54.6 81.8#



#49
1,4-Dioxane
Concen: 1.406 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 1912603.3 17.0 25.6#
58 10392.2 47.0 70.4#

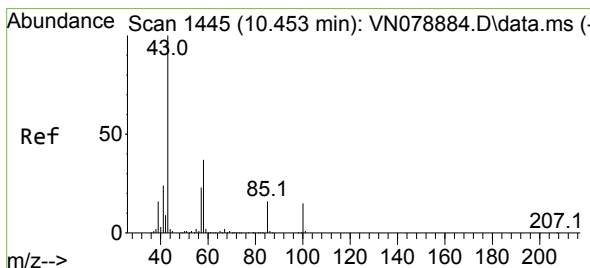
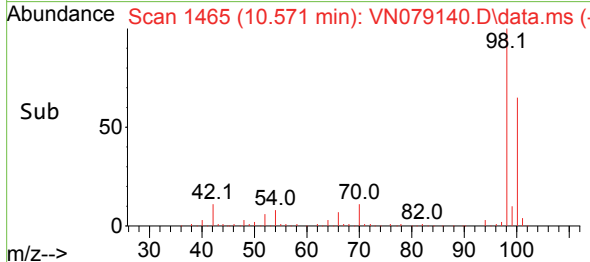
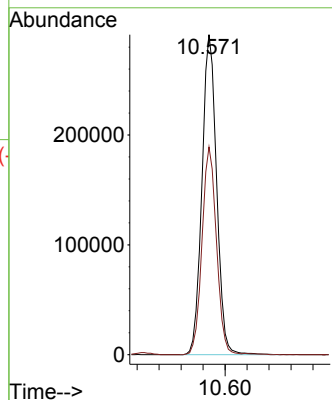
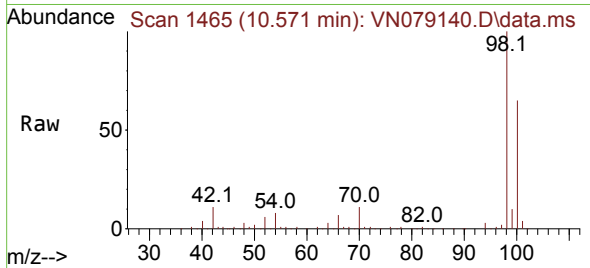




#50
Toluene-d8
Concen: 52.001 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

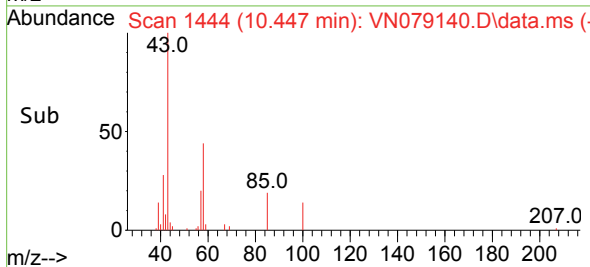
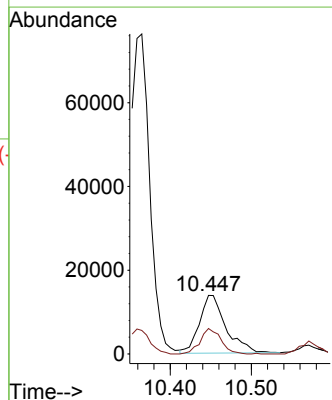
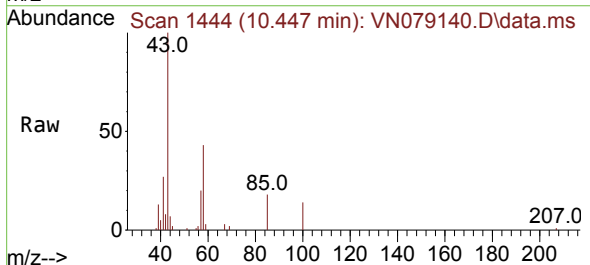
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

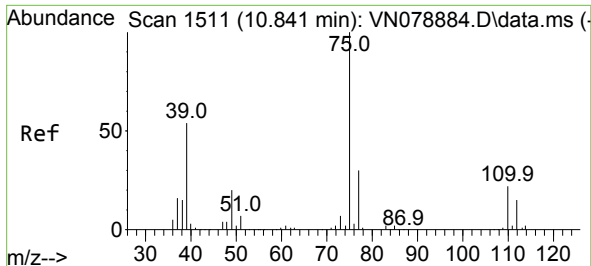
Tgt Ion: 98 Resp: 538249
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 6.346 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion: 43 Resp: 31211
Ion Ratio Lower Upper
43 100
58 34.6 36.6 54.8#

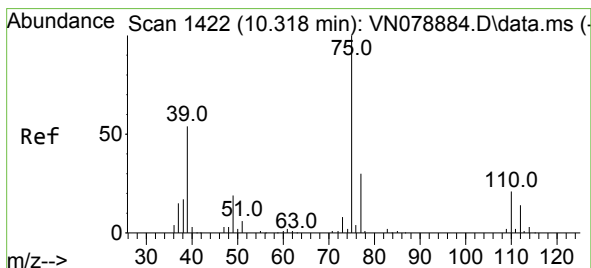
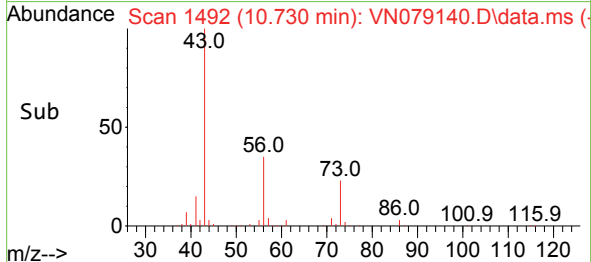
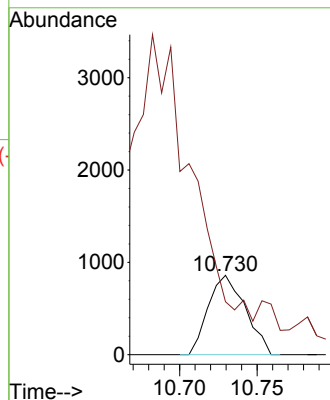
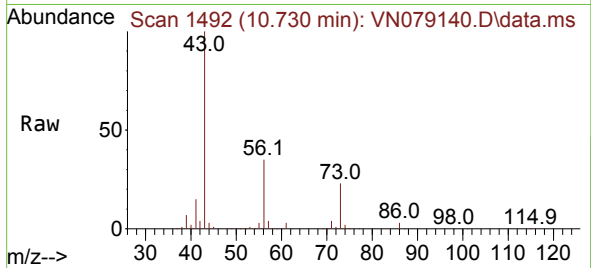




#53
 t-1,3-Dichloropropene
 Concen: 0.298 ug/l
 RT: 10.730 min Scan# 1430
 Delta R.T. -0.111 min
 Lab File: VN079140.D
 Acq: 02 Sep 2023 13:59

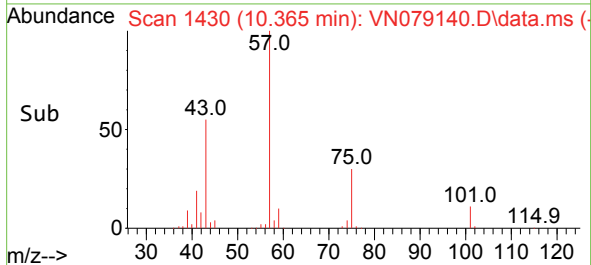
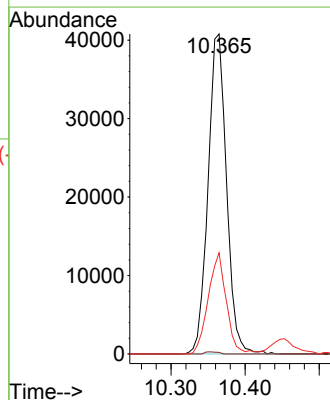
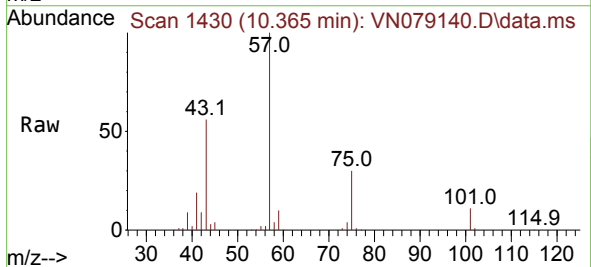
Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#02

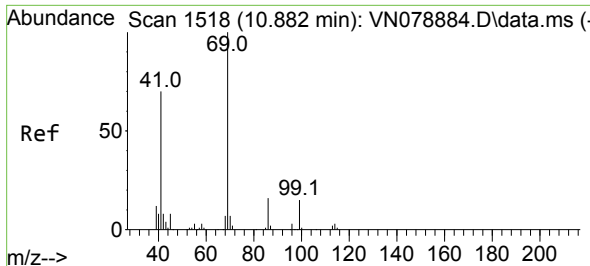
Tgt Ion: 75 Resp: 1430
 Ion Ratio Lower Upper
 75 100
 77 36.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 13.548 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079140.D
 Acq: 02 Sep 2023 13:59

Tgt Ion: 75 Resp: 70722
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 31.6 31.6 47.4#

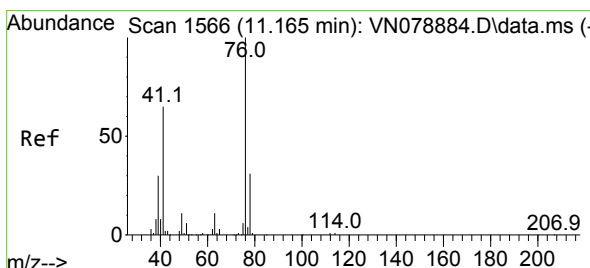
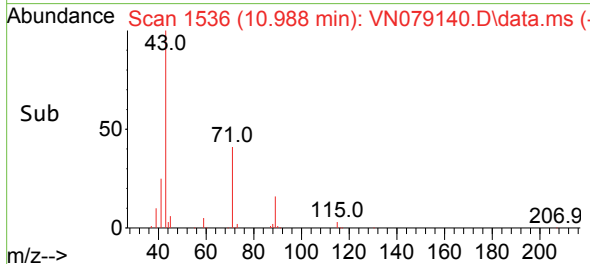
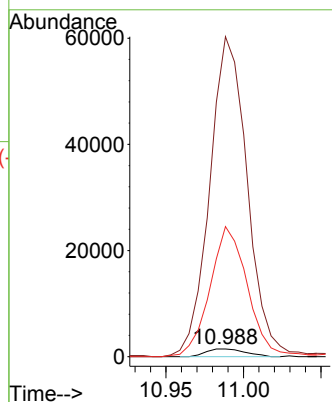
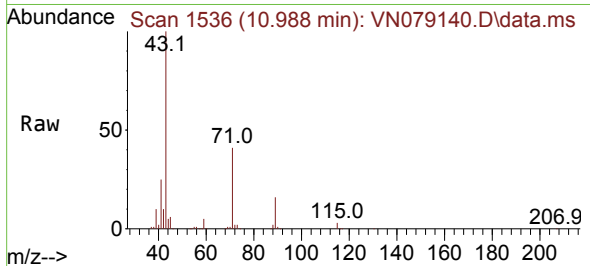




#56
Ethyl methacrylate
Concen: 0.540 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

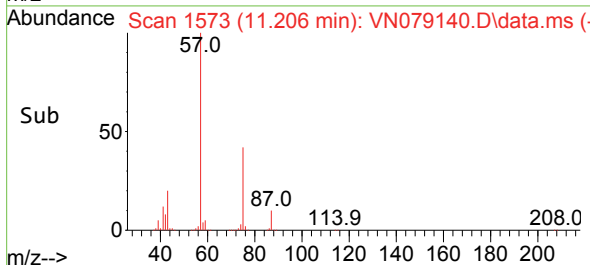
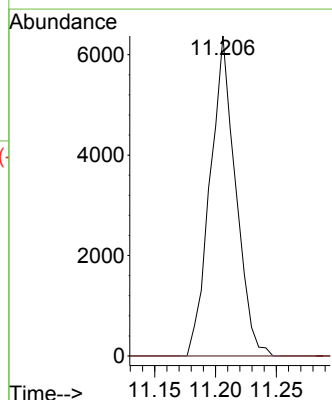
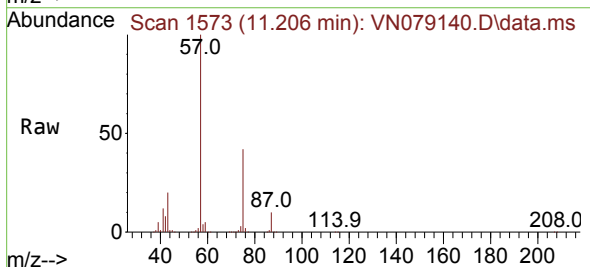
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

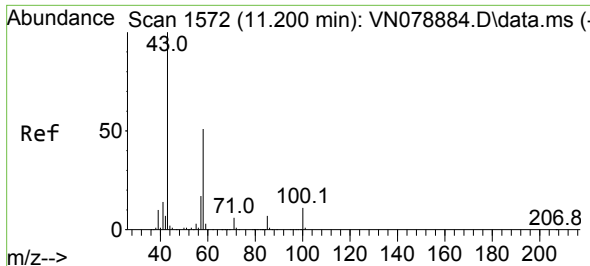
Tgt Ion: 69 Resp: 2555
Ion Ratio Lower Upper
69 100
41 3985.7 39.6 59.4#
39 1622.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.704 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion: 76 Resp: 9301
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

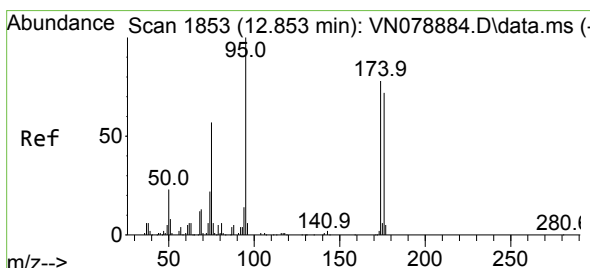
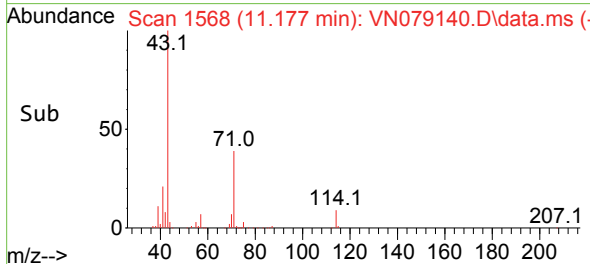
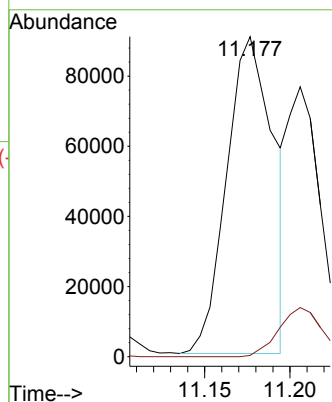
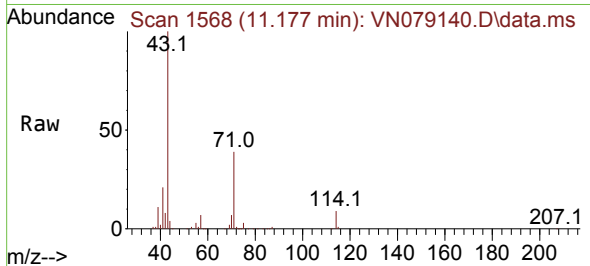




#59
2-Hexanone
Concen: 48.247 ug/l
RT: 11.177 min Scan# 11177
Delta R.T. -0.023 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

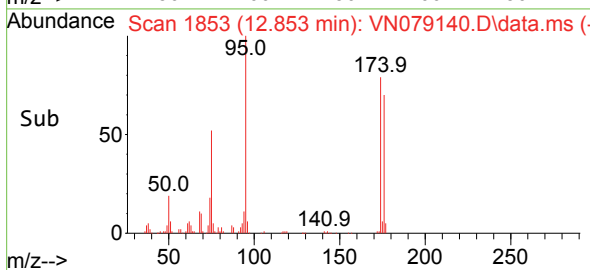
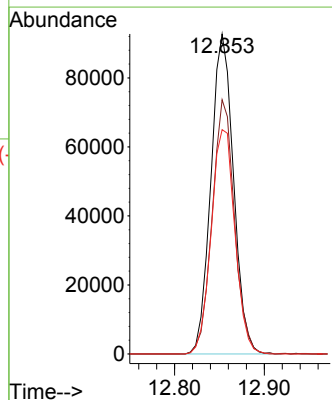
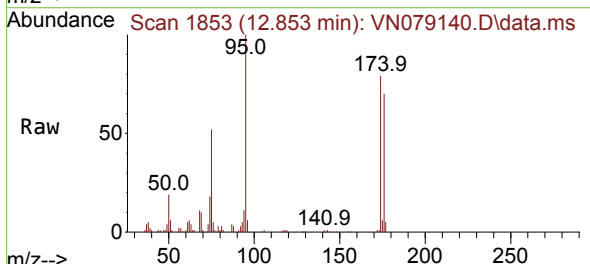
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

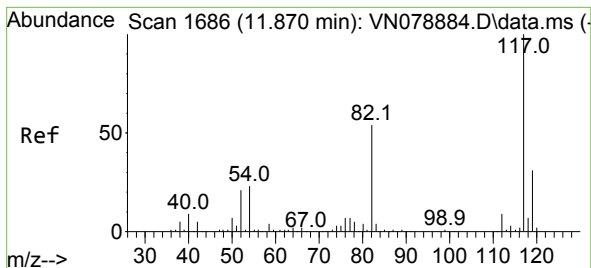
Tgt Ion: 43 Resp: 171874
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.843 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion: 95 Resp: 161866
Ion Ratio Lower Upper
95 100
174 78.5 0.0 143.8
176 73.7 0.0 135.8

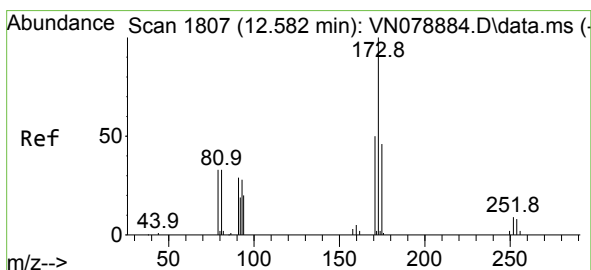
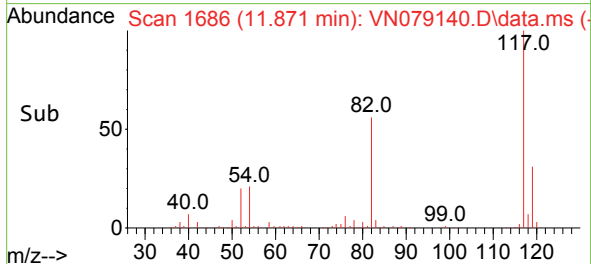
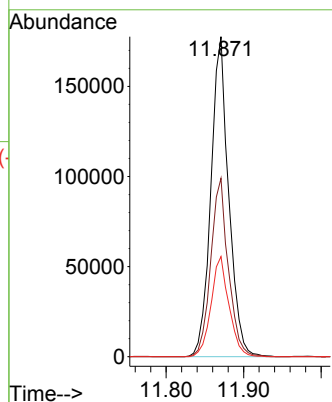
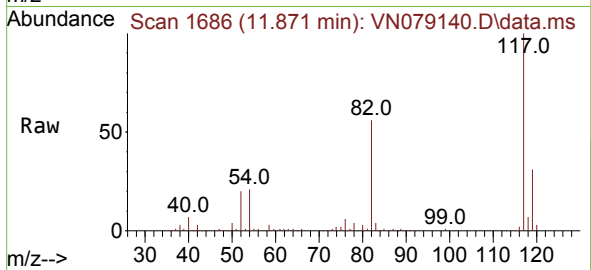




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

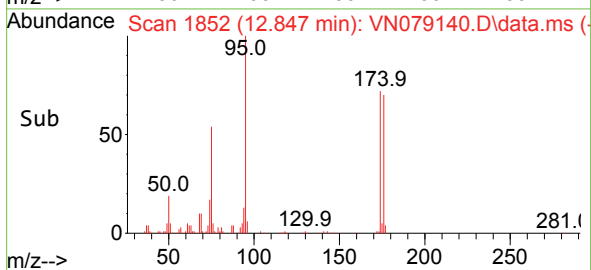
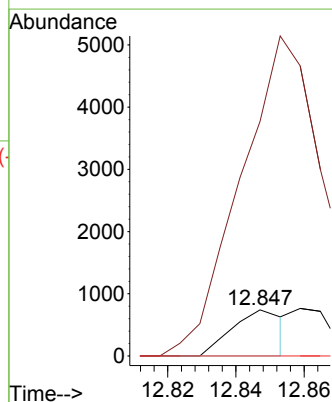
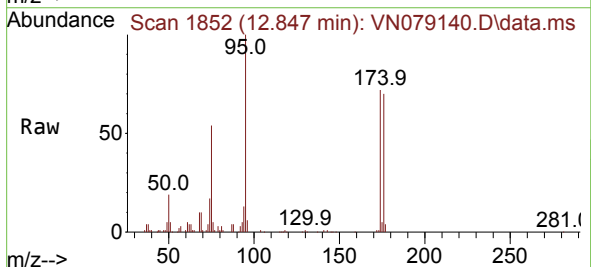
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

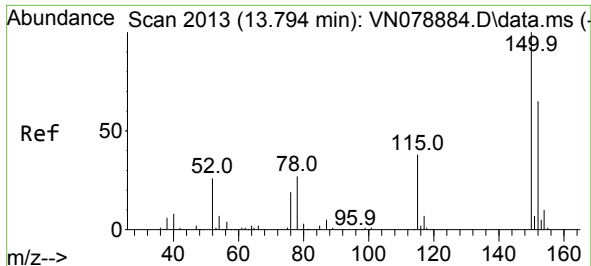
Tgt Ion:117 Resp: 283122
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.470 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion:173 Resp: 778
Ion Ratio Lower Upper
173 100
175 857.8 24.3 73.0#
254 0.0 0.0 0.0

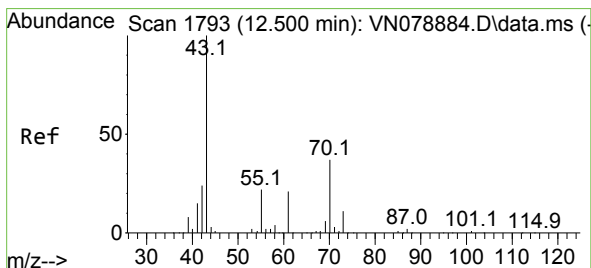
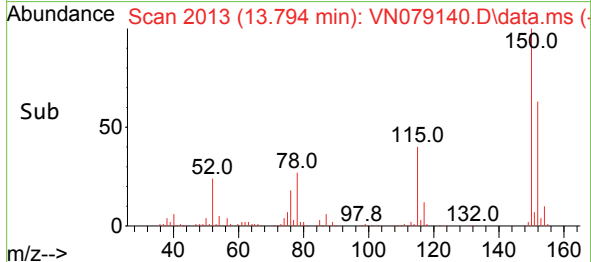
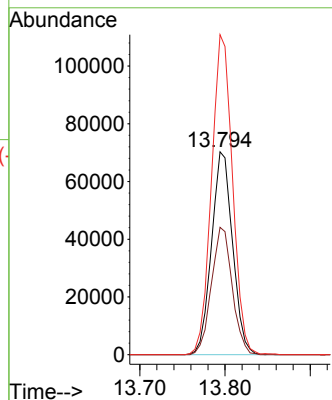
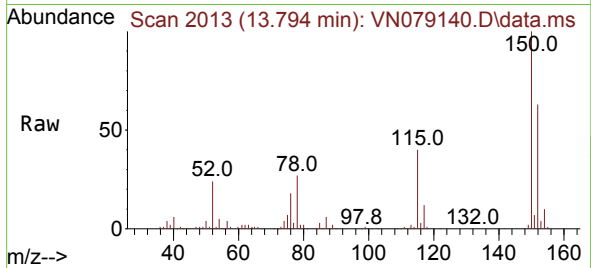




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

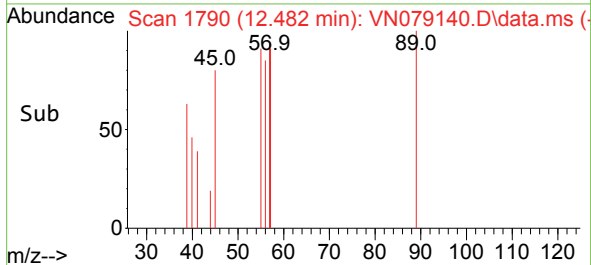
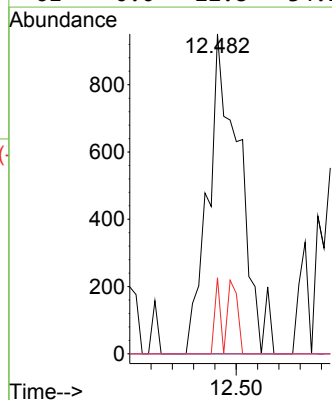
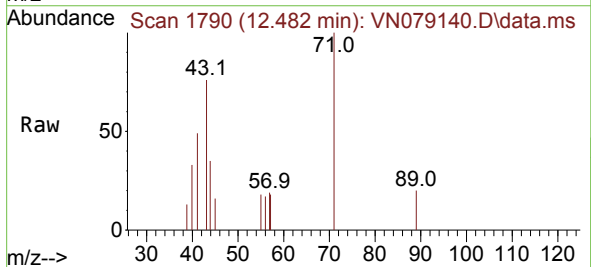
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02

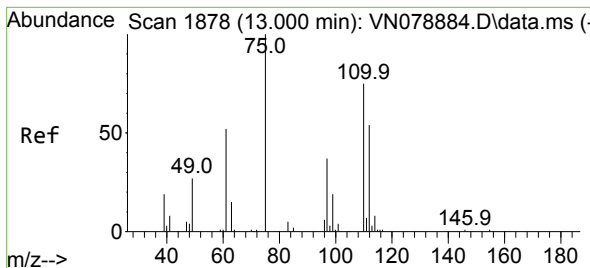
Tgt Ion:152 Resp: 120552
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 157.3 0.0 355.8



#74
N-ethyl acetate
Concen: 0.384 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.018 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 4.1 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 29.133 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079140.D

Acq: 02 Sep 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :

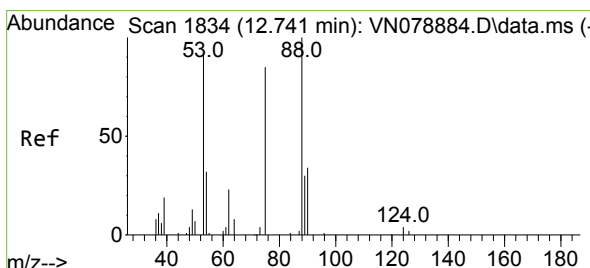
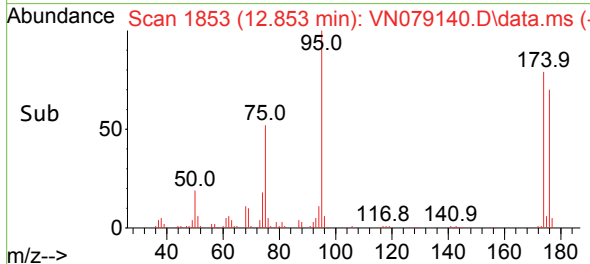
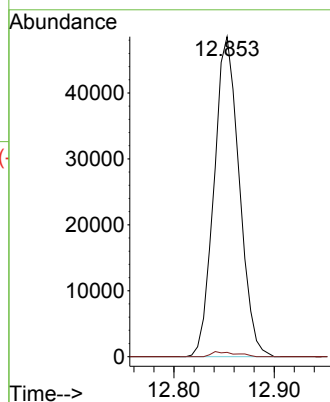
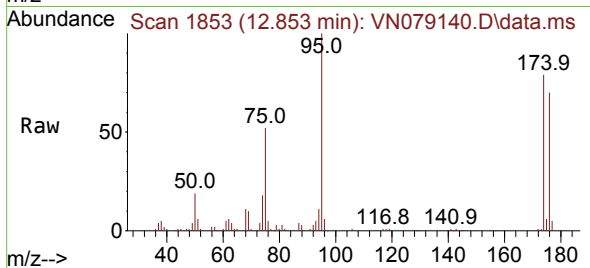
PB155301ZHE#02

Tgt Ion: 75 Resp: 84622

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.421 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079140.D

Acq: 02 Sep 2023 13:59

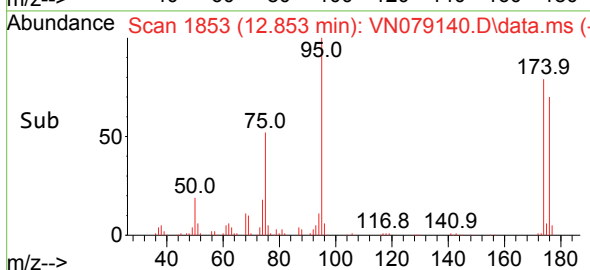
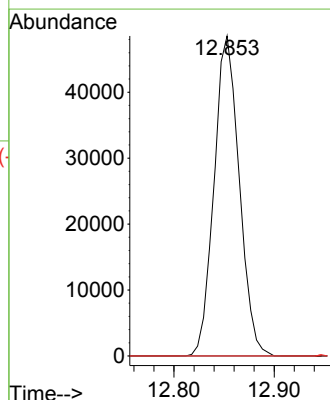
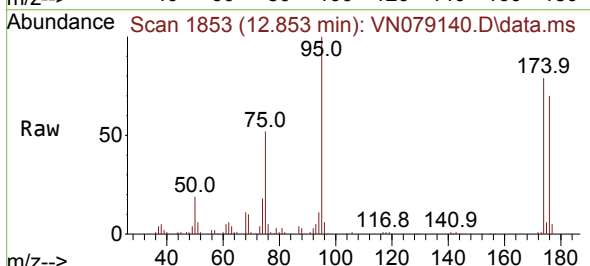
Tgt Ion: 75 Resp: 84622

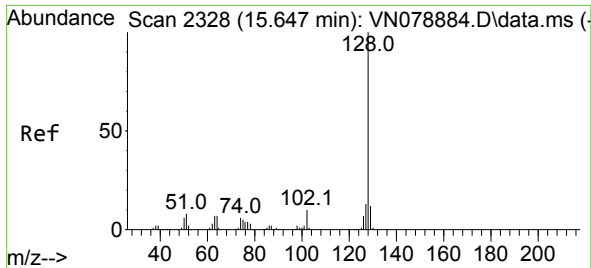
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

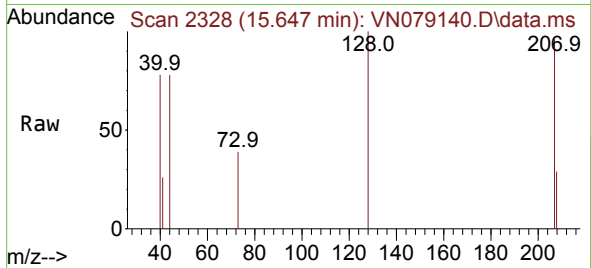
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.757 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079140.D
Acq: 02 Sep 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#02



Tgt Ion:128 Resp: 1071
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

