

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079926.D
 Acq On : 06 Nov 2023 16:33
 Operator : JC\MD
 Sample : PB156885ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:50:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

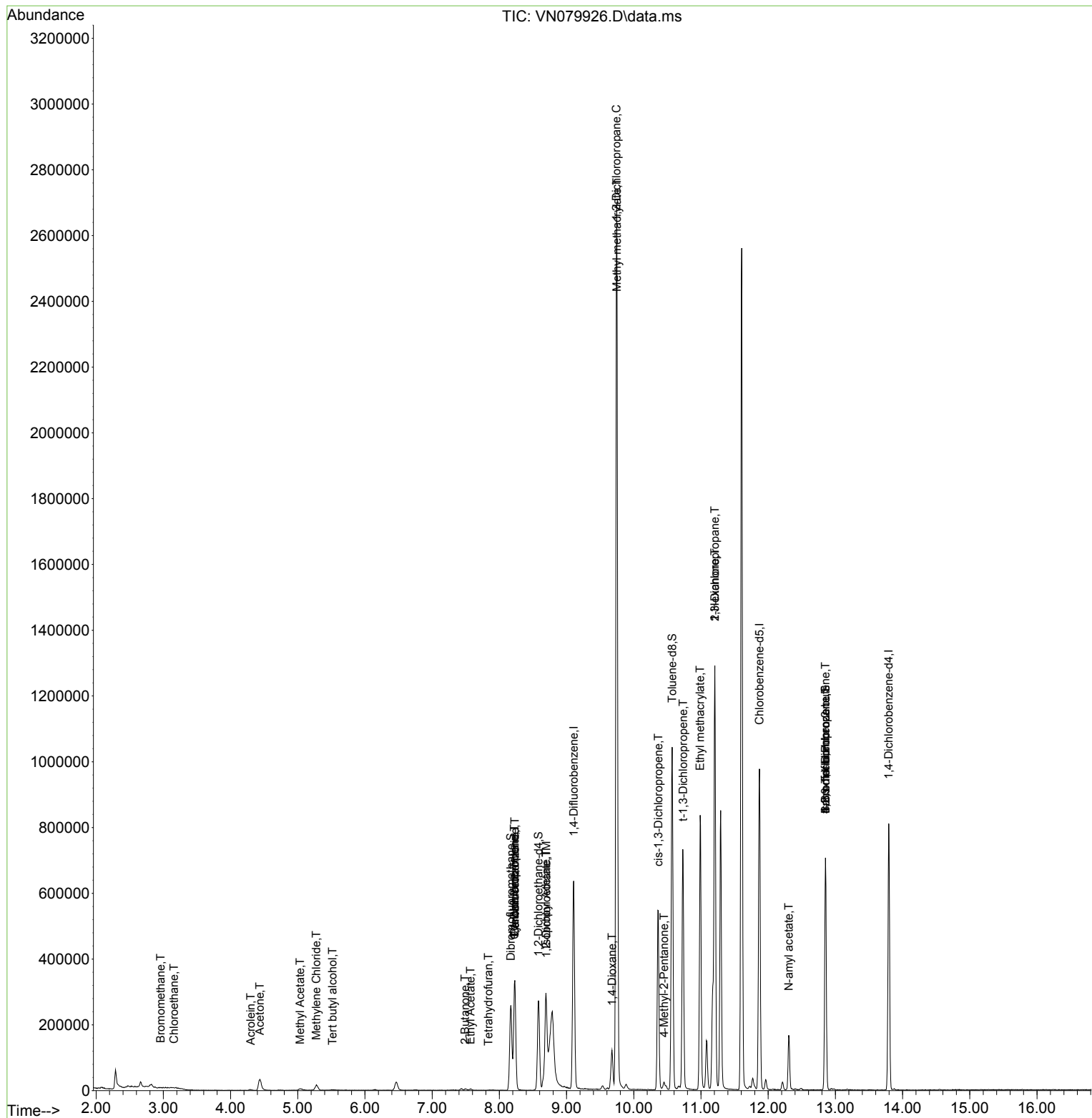
Internal Standards						
1) Pentafluorobenzene	8.230	168	229647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	517654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	551431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	202567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	226170	64.643	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 129.280%#	
35) Dibromofluoromethane	8.171	113	183777	50.161	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.320%	
50) Toluene-d8	10.571	98	697018	51.679	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.853	95	235168	52.573	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1709	Below Cal	#	70
5) Bromomethane	2.959	94	528	0.240	ug/l #	67
6) Chloroethane	3.159	64	859	0.300	ug/l #	43
11) Tert butyl alcohol	5.518	59	717	1.605	ug/l #	72
13) Acrolein	4.300	56	55	2.710	ug/l #	16
16) Acetone	4.436	43	65776	53.521	ug/l	94
18) Methyl Acetate	5.036	43	9920	1.687	ug/l #	79
20) Methylene Chloride	5.277	84	12216	3.939	ug/l	95
25) 2-Butanone	7.488	43	6484	3.603	ug/l #	87
29) Tetrahydrofuran	7.836	42	352	0.301	ug/l #	20
31) Cyclohexane	8.224	56	6408	1.386	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	22399	4.282	ug/l #	45
37) Ethyl Acetate	7.571	43	7026	1.464	ug/l #	79
38) Carbon Tetrachloride	8.230	117	25337	4.806	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	1866	0.341	ug/l #	73
43) Isopropyl Acetate	8.694	43	361372	42.951	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	3743	0.935	ug/l #	45
48) Methyl methacrylate	9.747	41	243272	66.012	ug/l #	29
49) 1,4-Dioxane	9.677	88	53	0.814	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	12263	2.589	ug/l	91
53) t-1,3-Dichloropropene	10.735	75	2128	0.372	ug/l #	44
54) cis-1,3-Dichloropropene	10.365	75	93920	15.074	ug/l #	73
56) Ethyl methacrylate	10.988	69	4253	0.798	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12761	1.938	ug/l #	42
59) 2-Hexanone	11.206	43	156837	43.282	ug/l #	48
71) Bromoform	12.853	173	1929	0.630	ug/l #	1
74) N-amyl acetate	12.306	43	52525	7.827	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	128775	27.078	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	128775	73.673	ug/l #	15

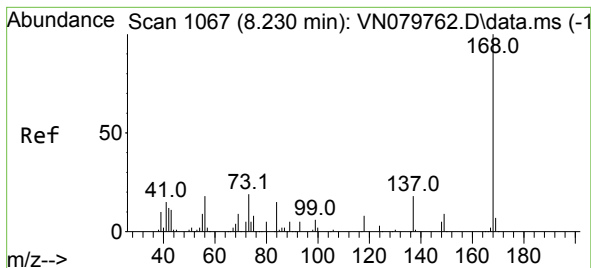
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

Instrument :

MSVOA_N

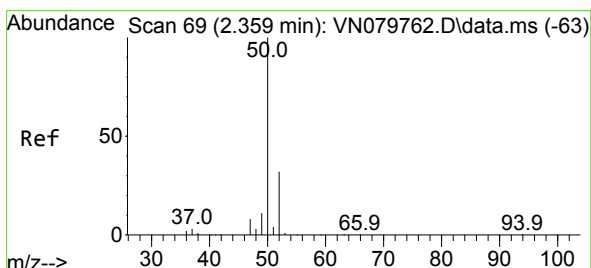
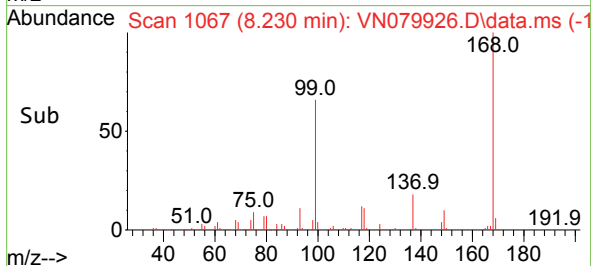
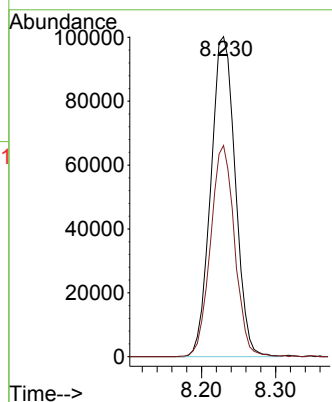
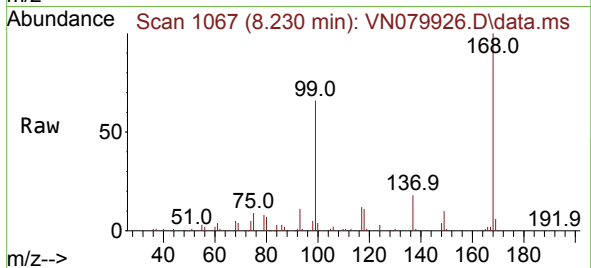
ClientSampleId :

Tgt Ion:168 Resp: 229647

Ion Ratio Lower Upper

168 100

99 65.9 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079926.D

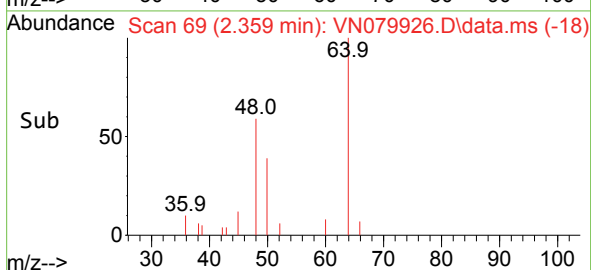
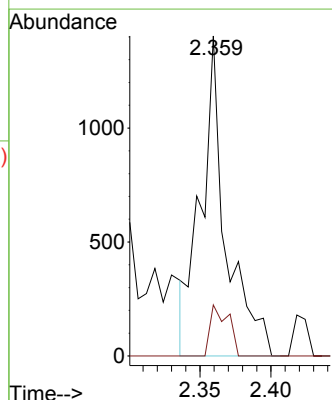
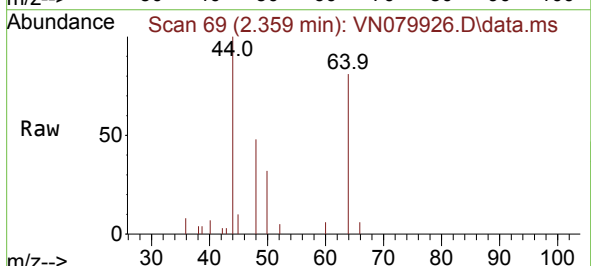
Acq: 06 Nov 2023 16:33

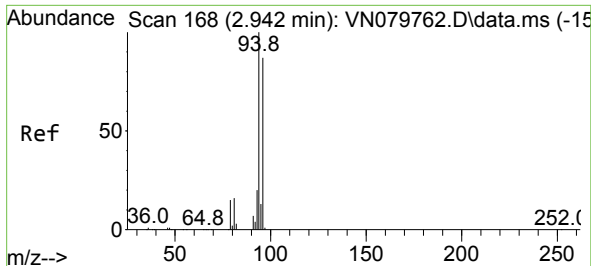
Tgt Ion: 50 Resp: 1709

Ion Ratio Lower Upper

50 100

52 16.0 26.5 39.7#

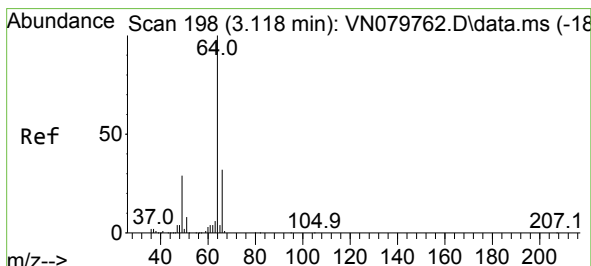
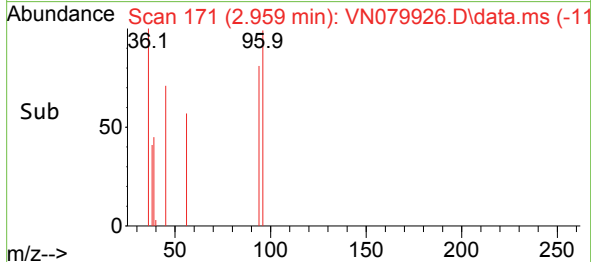
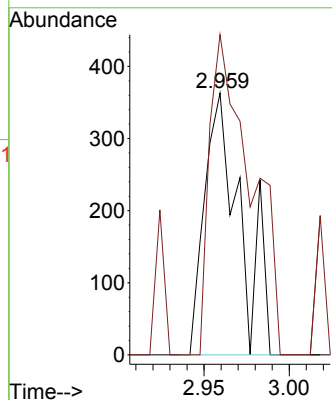
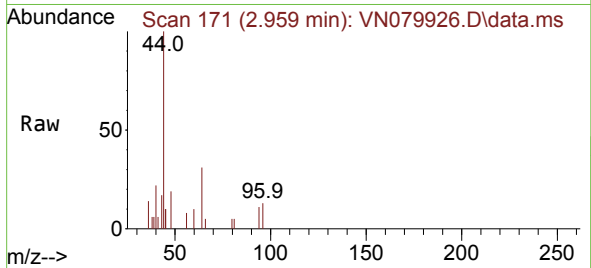




#5
Bromomethane
Concen: 0.240 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

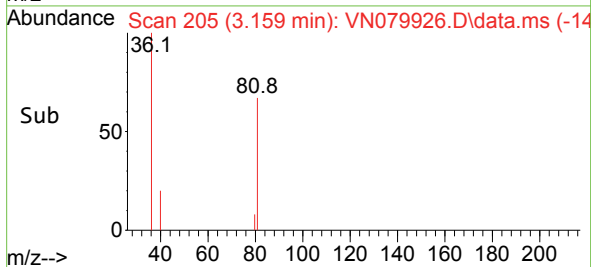
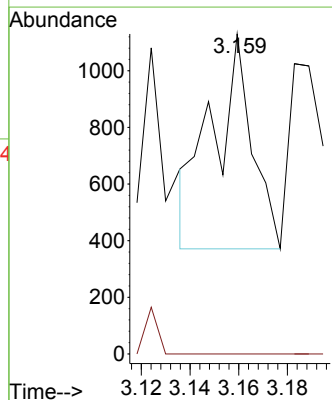
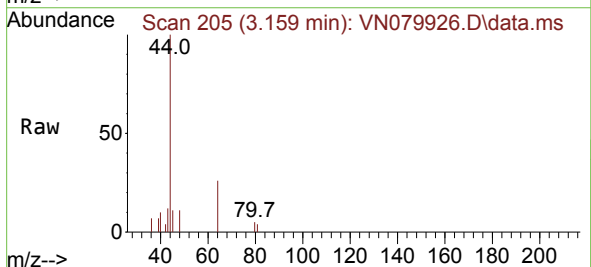
Instrument :
MSVOA_N
ClientSampleId :

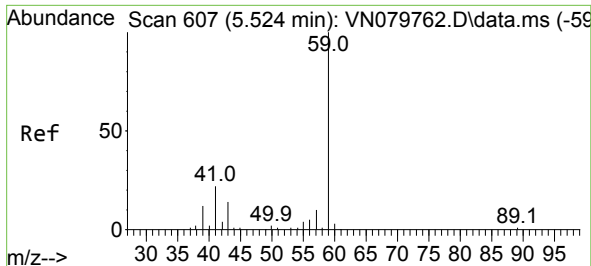
Tgt Ion: 94 Resp: 528
Ion Ratio Lower Upper
94 100
96 122.3 73.1 109.7#



#6
Chloroethane
Concen: 0.300 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.041 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Tgt Ion: 64 Resp: 859
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

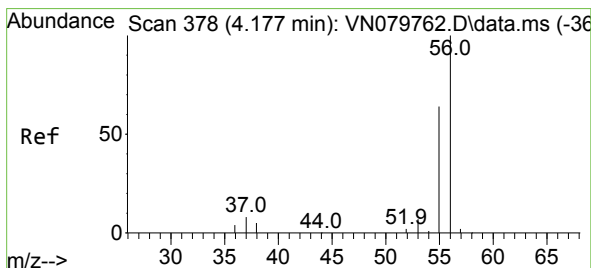
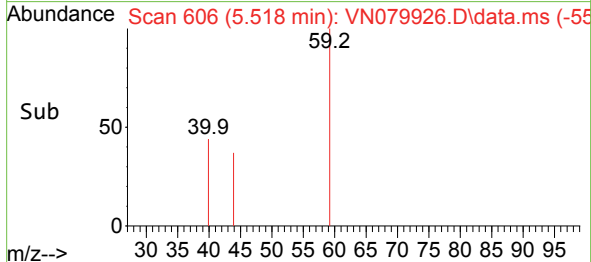
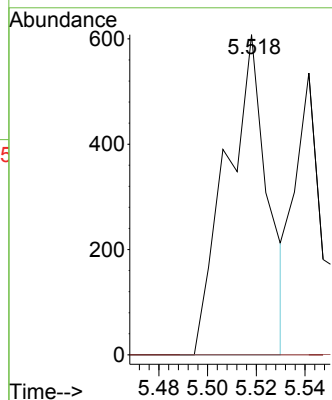
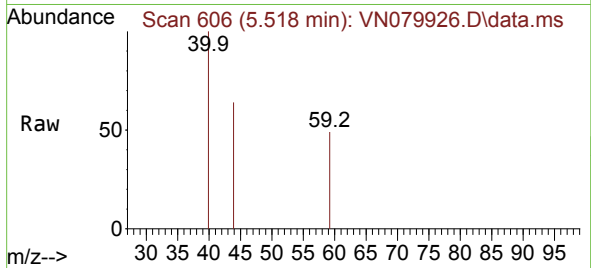




#11
Tert butyl alcohol
Concen: 1.605 ug/l
RT: 5.518 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

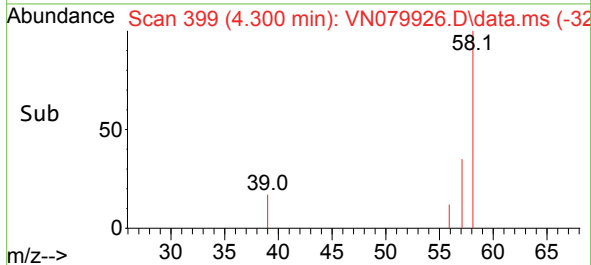
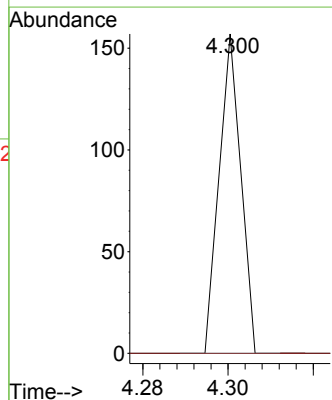
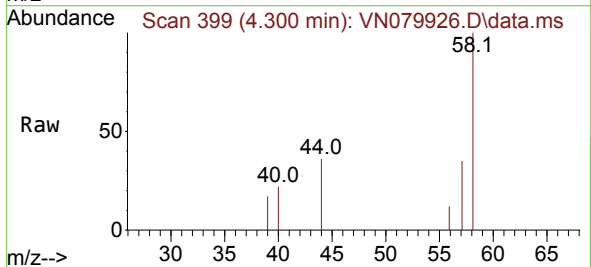
Instrument :
MSVOA_N
ClientSampleId :

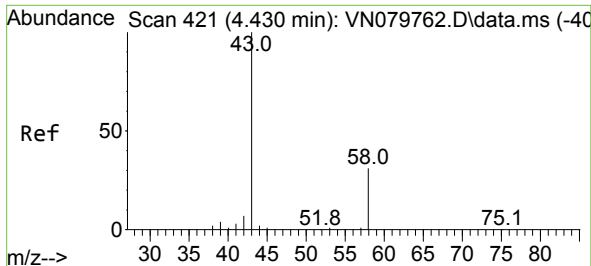
Tgt Ion: 59 Resp: 717
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.710 ug/l
RT: 4.300 min Scan# 399
Delta R.T. 0.117 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

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





#16

Acetone

Concen: 53.521 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

Instrument :

MSVOA_N

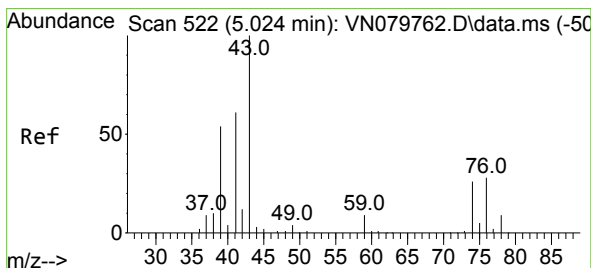
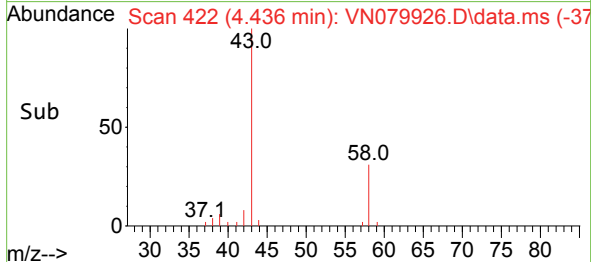
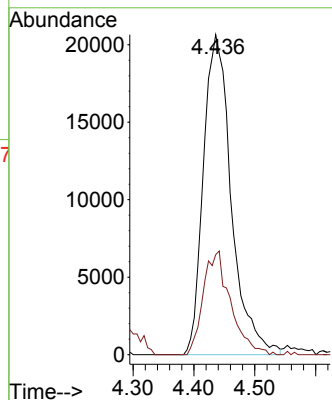
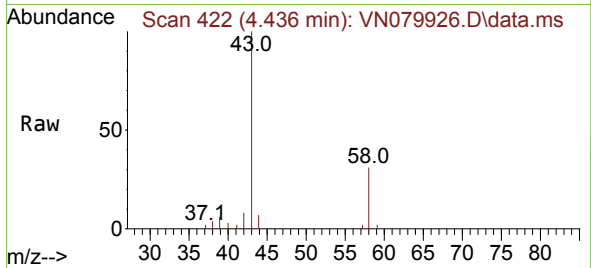
ClientSampleId :

Tgt Ion: 43 Resp: 65776

Ion Ratio Lower Upper

43 100

58 31.3 28.0 42.0



#18

Methyl Acetate

Concen: 1.687 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.012 min

Lab File: VN079926.D

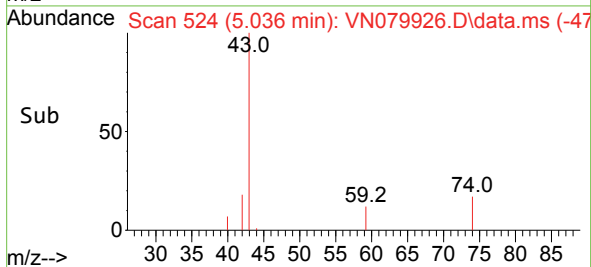
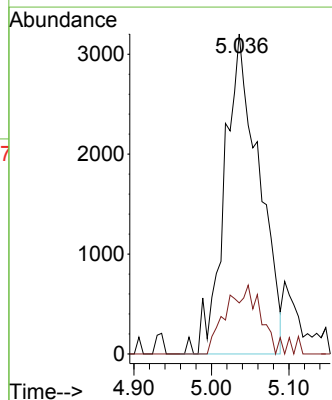
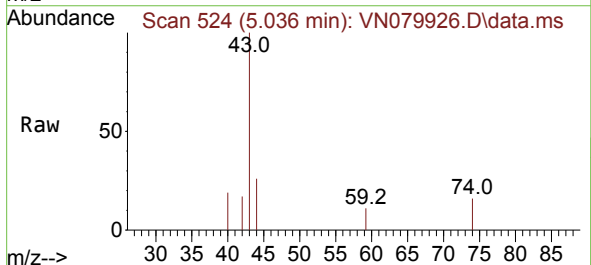
Acq: 06 Nov 2023 16:33

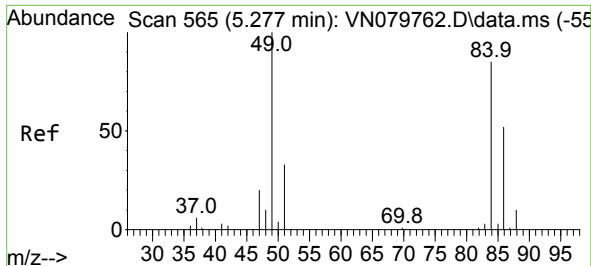
Tgt Ion: 43 Resp: 9920

Ion Ratio Lower Upper

43 100

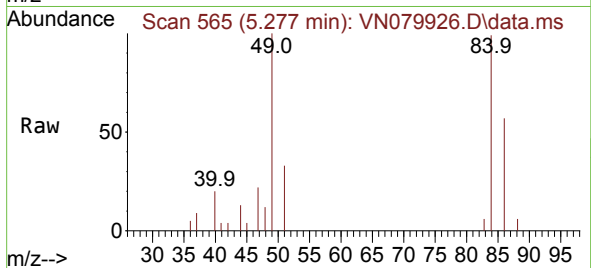
74 21.0 26.2 39.4#



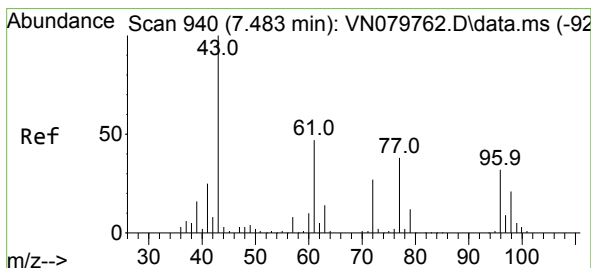
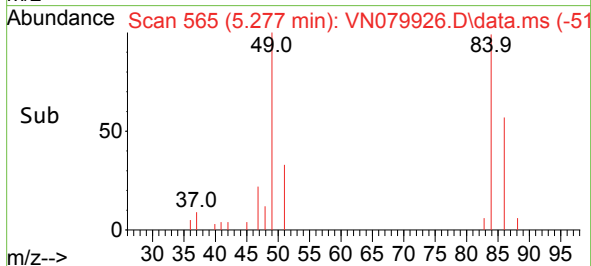
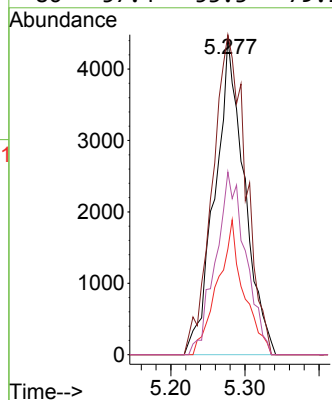


#20
Methylene Chloride
Concen: 3.939 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Instrument :
MSVOA_N
ClientSampleId :

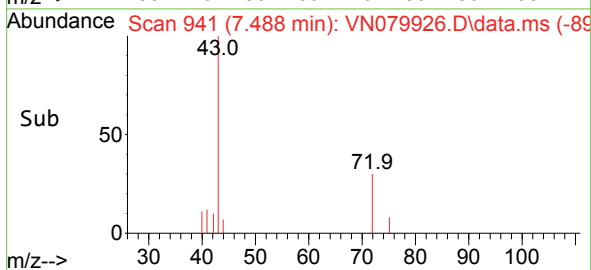
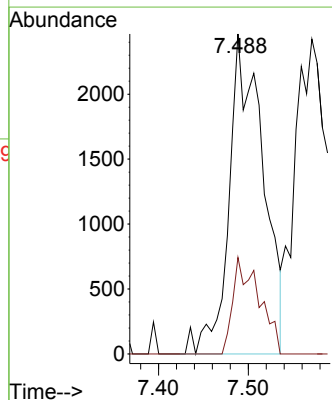
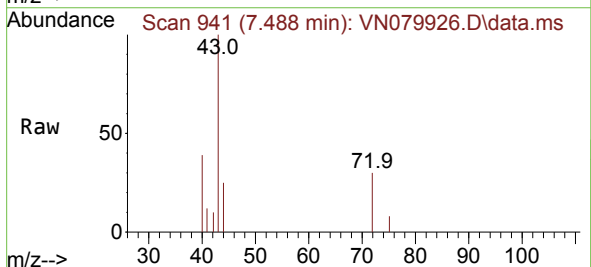


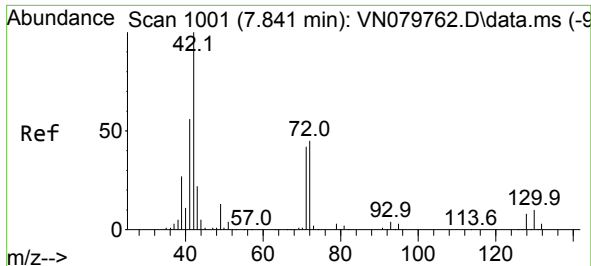
Tgt Ion:	84	Resp:	12216
Ion	Ratio	Lower	Upper
84	100		
49	100.5	79.7	119.5
51	33.2	25.2	37.8
86	57.4	53.3	79.9



#25
2-Butanone
Concen: 3.603 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Tgt Ion:	43	Resp:	6484
Ion	Ratio	Lower	Upper
43	100		
72	30.2	30.2	45.2#

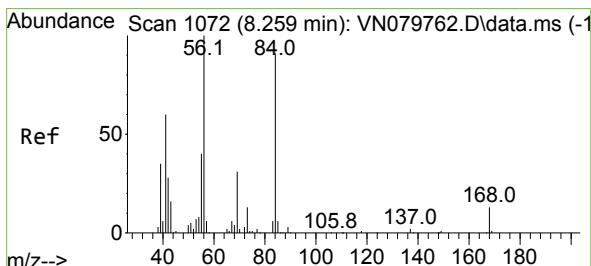
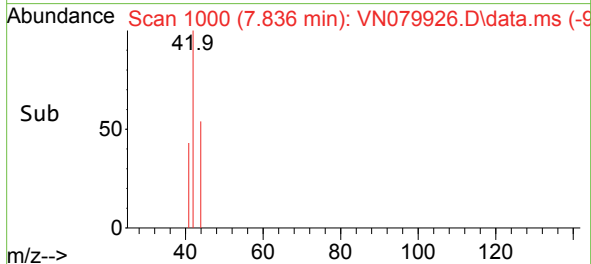
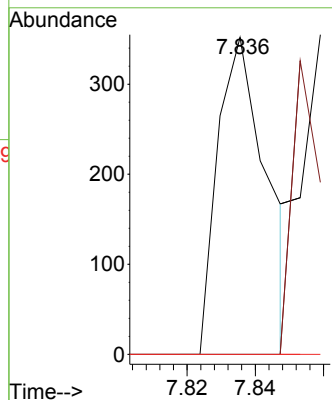
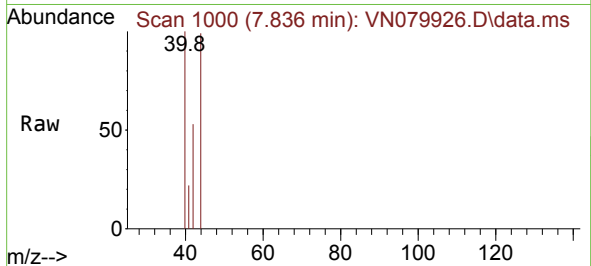




#29
Tetrahydrofuran
Concen: 0.301 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

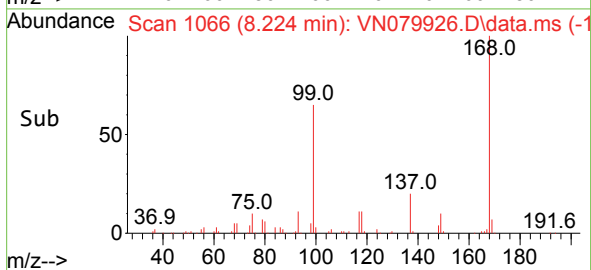
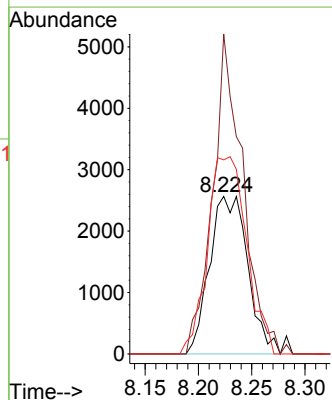
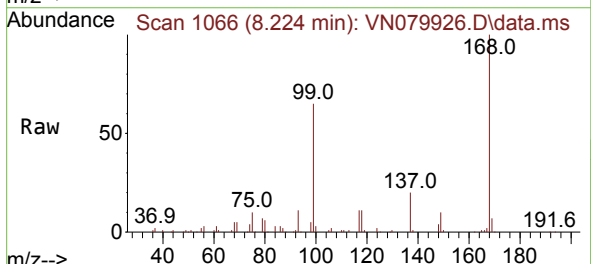
Instrument :
MSVOA_N
ClientSampleId :

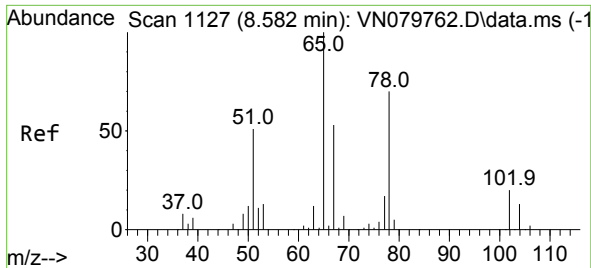
Tgt Ion: 42 Resp: 352
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Tgt Ion: 56 Resp: 6408
Ion Ratio Lower Upper
56 100
69 203.0 26.8 40.2#
84 123.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 64.643 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

Instrument :

MSVOA_N

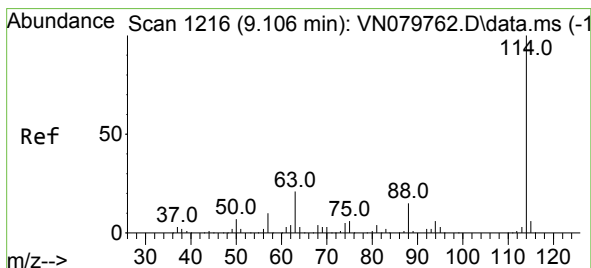
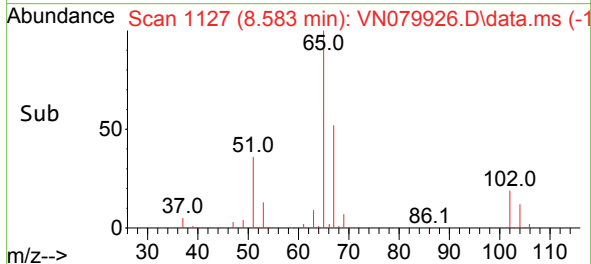
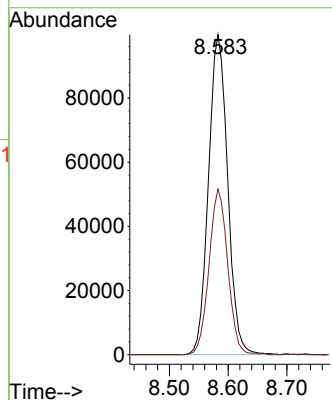
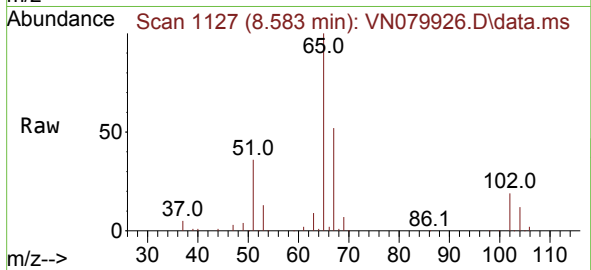
ClientSampleId :

Tgt Ion: 65 Resp: 226170

Ion Ratio Lower Upper

65 100

67 50.6 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: VN079926.D

Acq: 06 Nov 2023 16:33

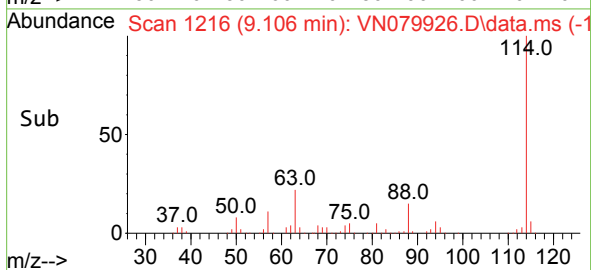
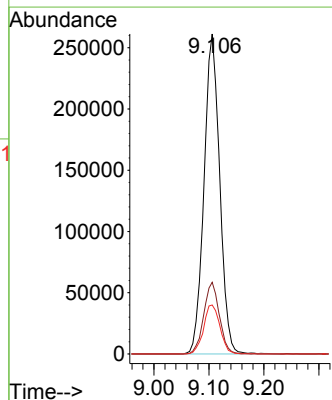
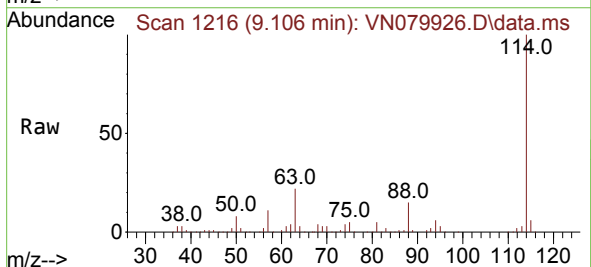
Tgt Ion: 114 Resp: 517654

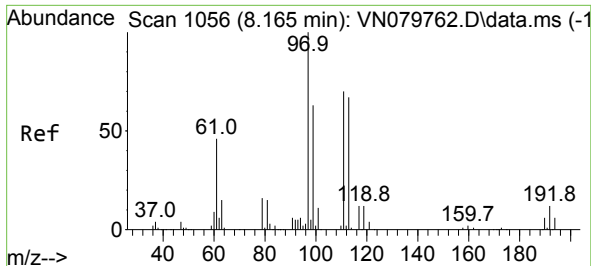
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

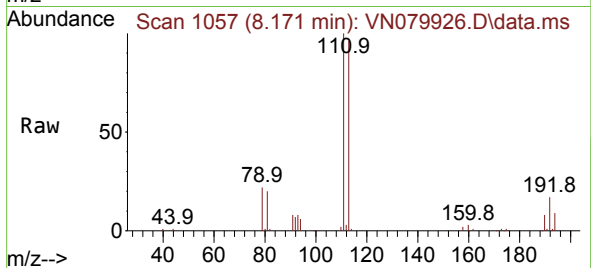
88 15.3 0.0 30.6



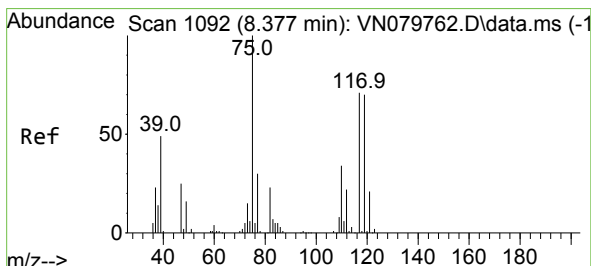
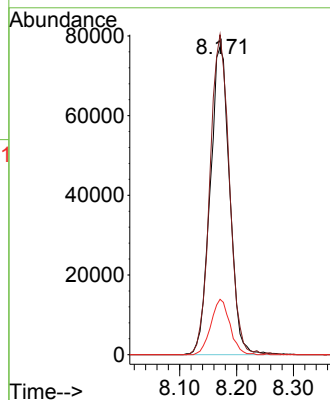
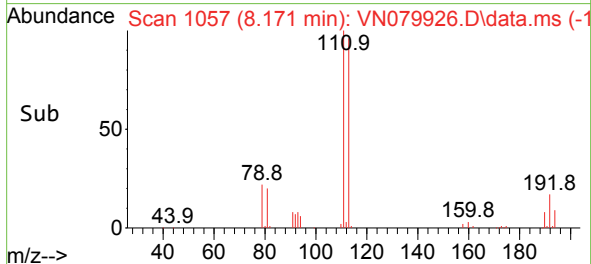


#35
Dibromofluoromethane
Concen: 50.161 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Instrument :
MSVOA_N
ClientSampleId :

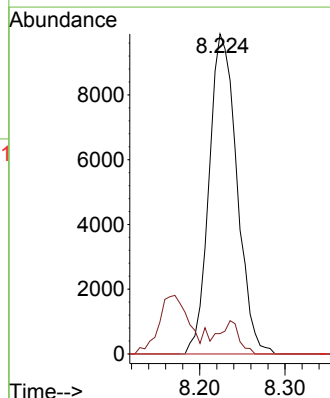
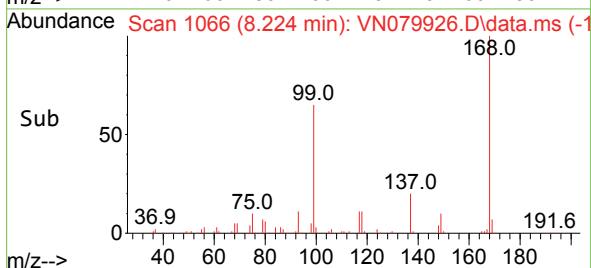
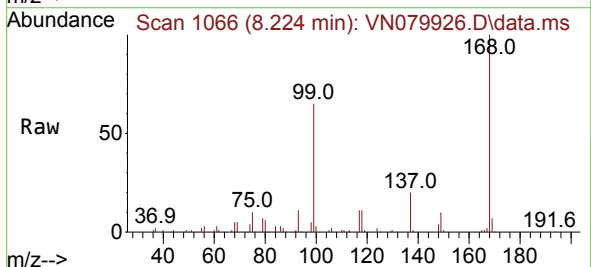


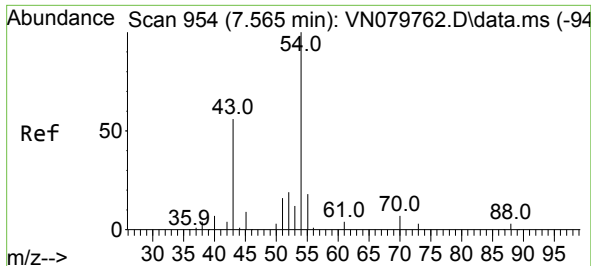
Tgt Ion:113 Resp: 183777
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 17.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.282 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

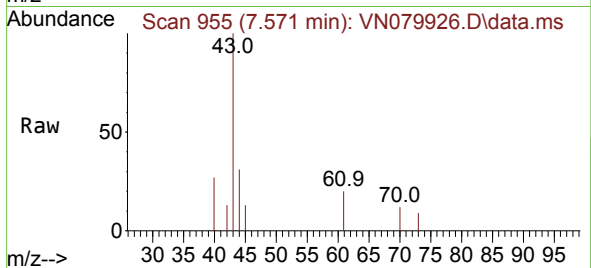
Tgt Ion: 75 Resp: 22399
Ion Ratio Lower Upper
75 100
110 5.4 19.1 57.3#
77 0.0 25.0 37.4#



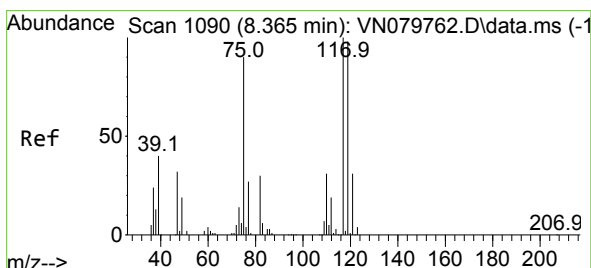
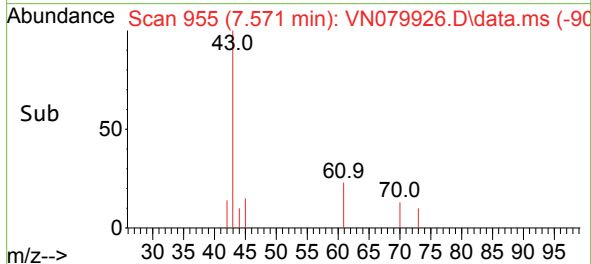
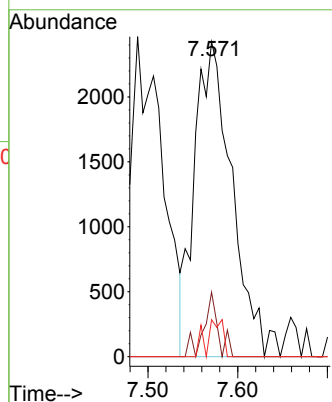


#37
Ethyl Acetate
Concen: 1.464 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Instrument :
MSVOA_N
ClientSampleId :

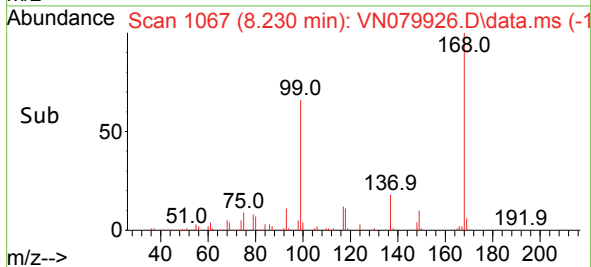
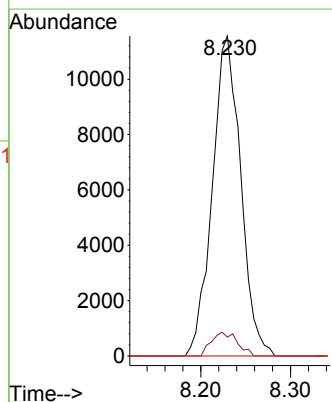
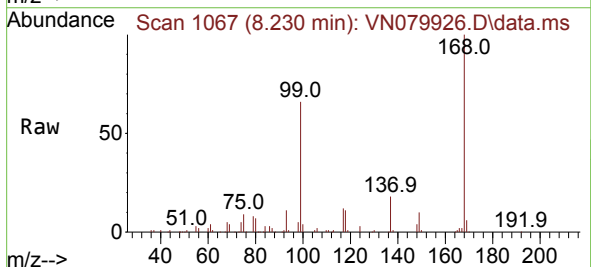


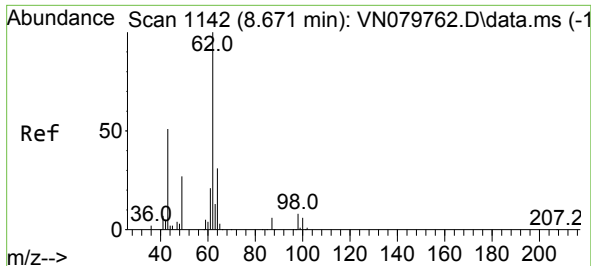
Tgt Ion: 43 Resp: 7026
Ion Ratio Lower Upper
43 100
61 7.9 13.2 19.8#
70 5.2 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.806 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Tgt Ion: 117 Resp: 25337
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.341 ug/l

RT: 8.700 min Scan# 1142

Delta R.T. 0.030 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

Instrument :

MSVOA_N

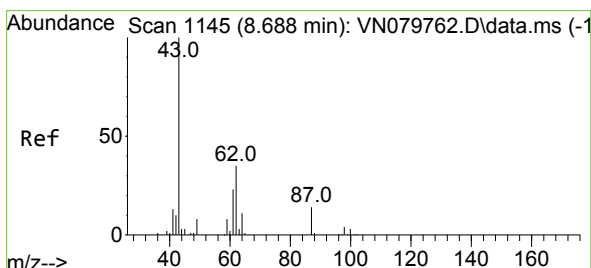
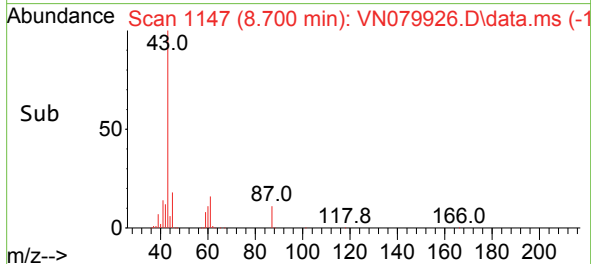
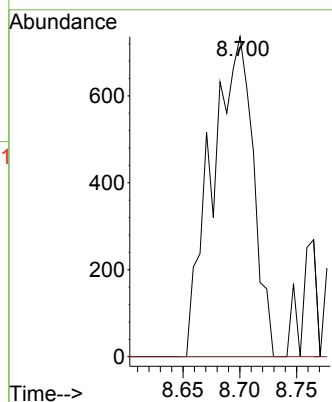
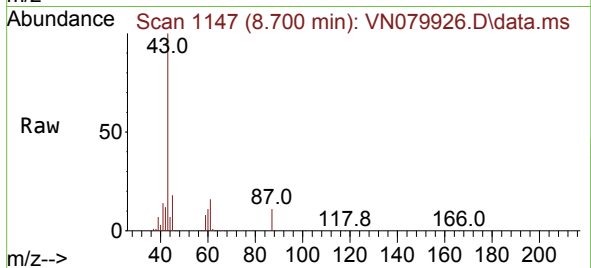
ClientSampleId :

Tgt Ion: 62 Resp: 1866

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 42.951 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

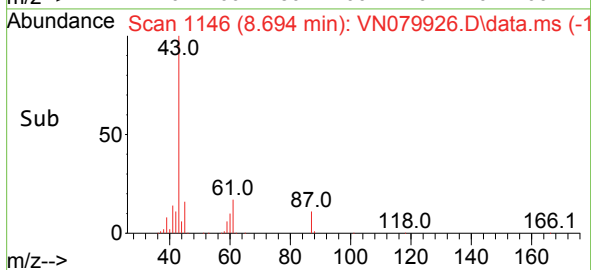
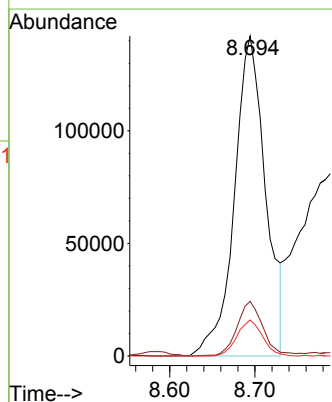
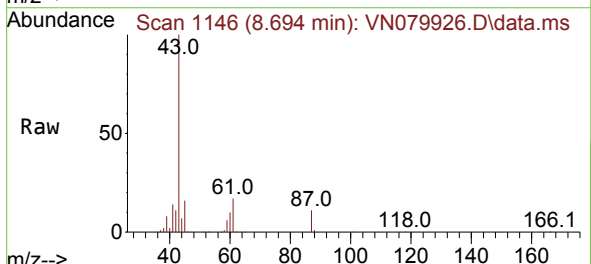
Tgt Ion: 43 Resp: 361372

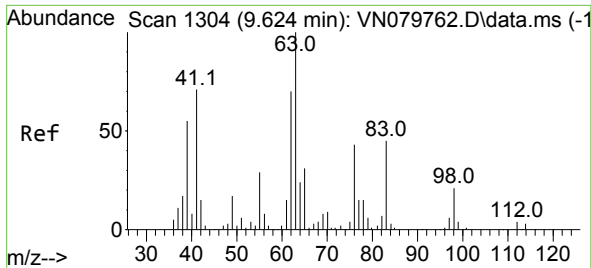
Ion Ratio Lower Upper

43 100

61 14.5 24.7 37.1#

87 9.1 14.6 21.8#

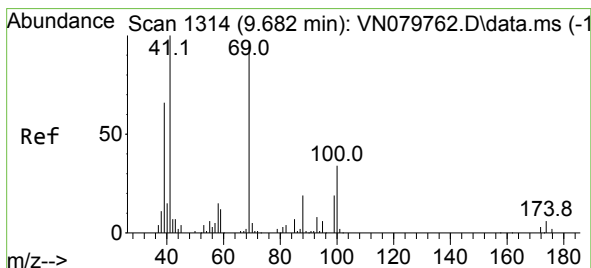
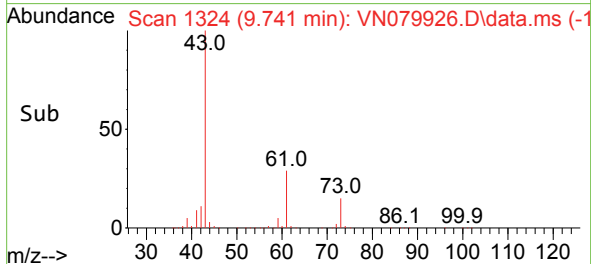
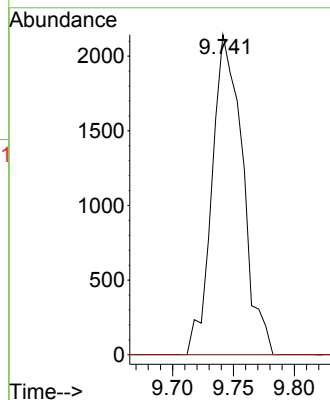
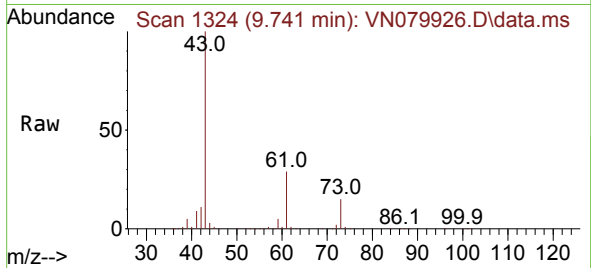




#45
1,2-Dichloropropane
Concen: 0.935 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

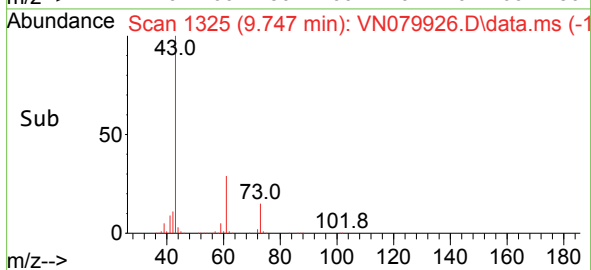
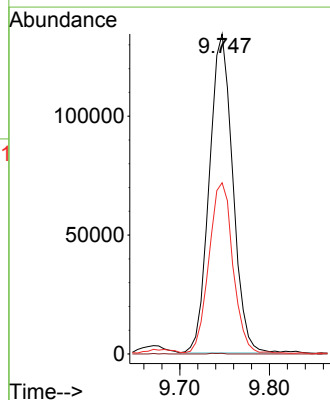
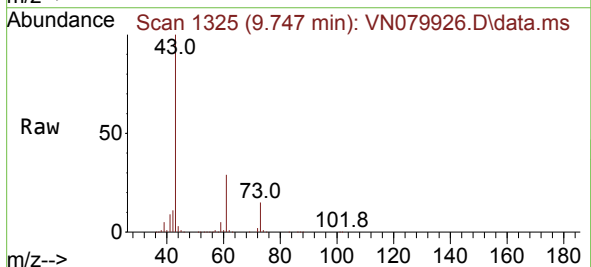
Instrument :
MSVOA_N
ClientSampleId :

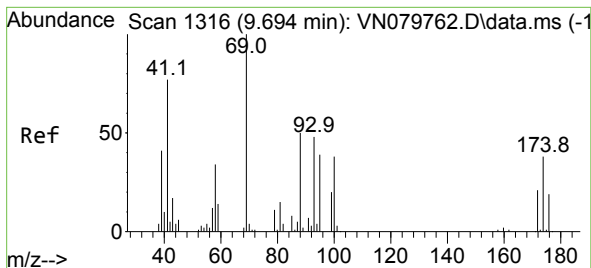
Tgt Ion: 63 Resp: 3743
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 66.012 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Tgt Ion: 41 Resp: 243272
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 55.5 54.6 81.8





#49

1,4-Dioxane

Concen: 0.814 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

Instrument :

MSVOA_N

ClientSampleId :

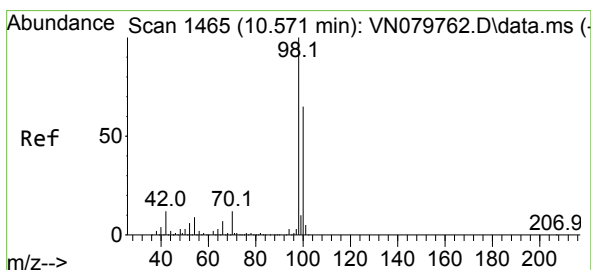
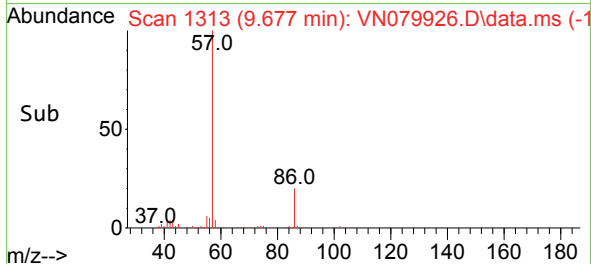
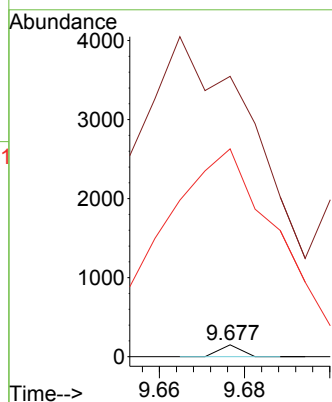
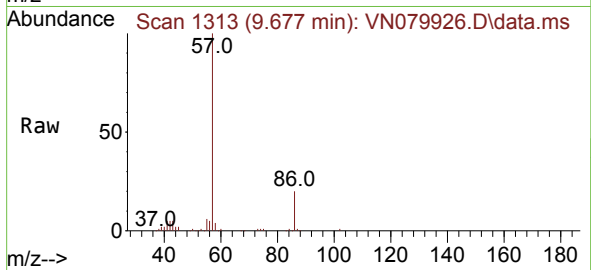
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 10598.1 47.0 70.4#



#50

Toluene-d8

Concen: 51.679 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079926.D

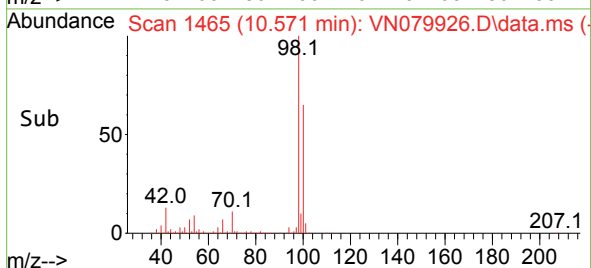
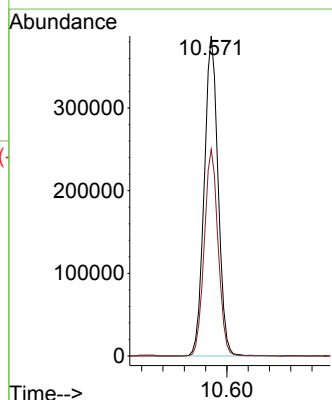
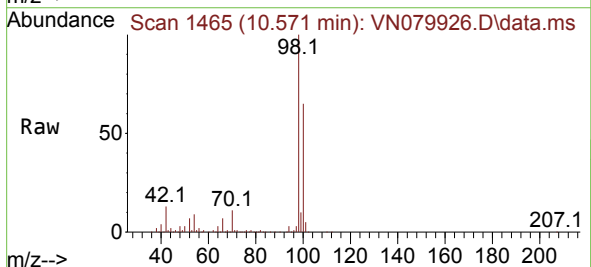
Acq: 06 Nov 2023 16:33

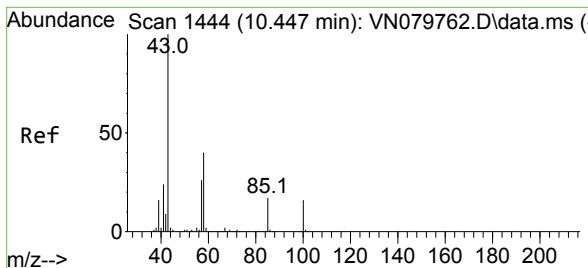
Tgt Ion: 98 Resp: 697018

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

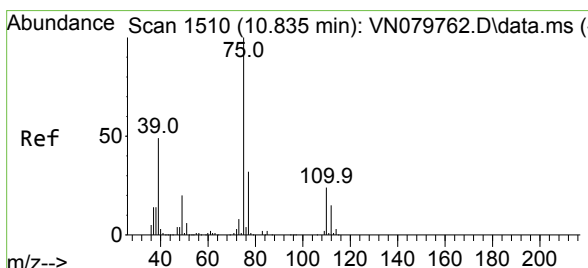
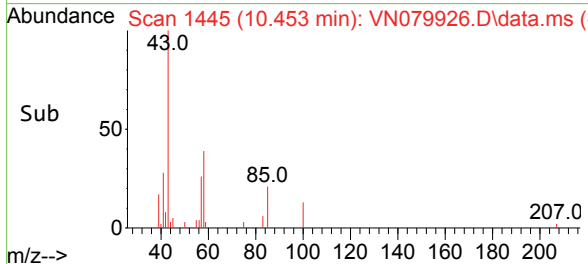
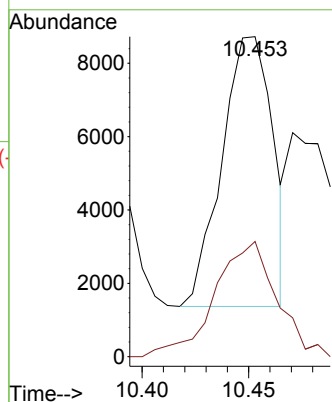
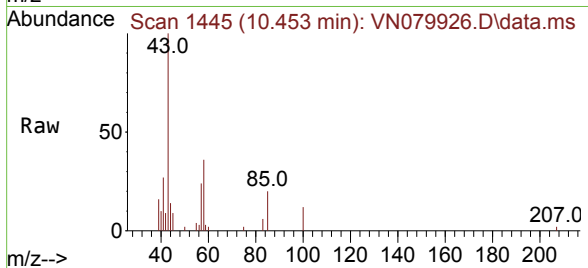




#51
4-Methyl-2-Pentanone
Concen: 2.589 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

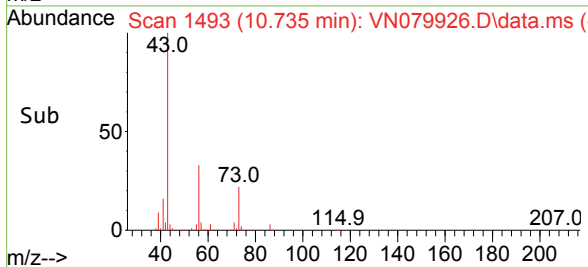
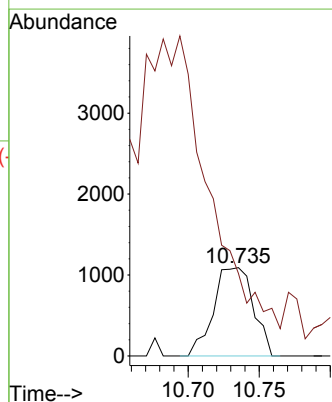
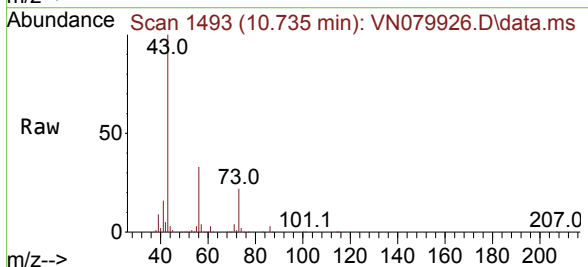
Instrument :
MSVOA_N
ClientSampleId :

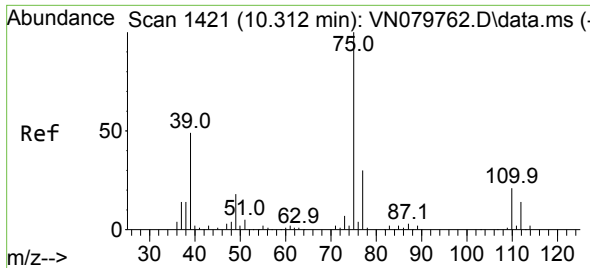
Tgt Ion: 43 Resp: 12263
Ion Ratio Lower Upper
43 100
58 51.7 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.372 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Tgt Ion: 75 Resp: 2128
Ion Ratio Lower Upper
75 100
77 62.5 25.4 38.0#

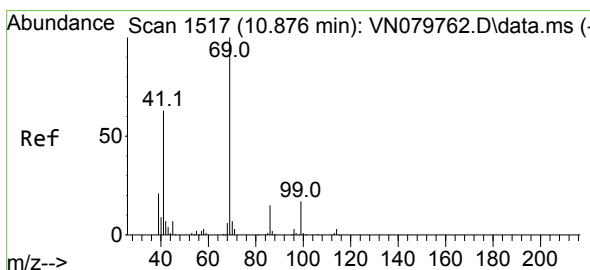
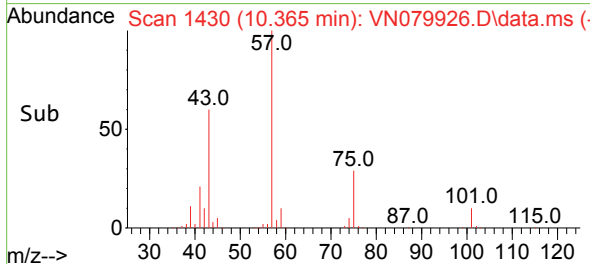
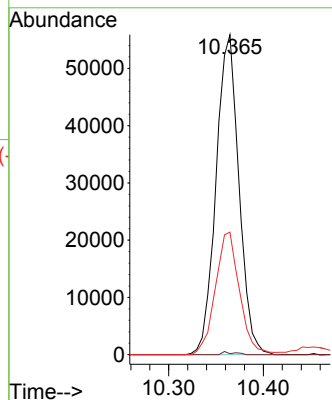
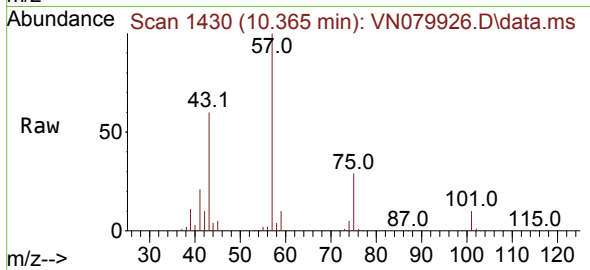




#54
 cis-1,3-Dichloropropene
 Concen: 15.074 ug/l
 RT: 10.365 min Scan# 1421
 Delta R.T. 0.047 min
 Lab File: VN079926.D
 Acq: 06 Nov 2023 16:33

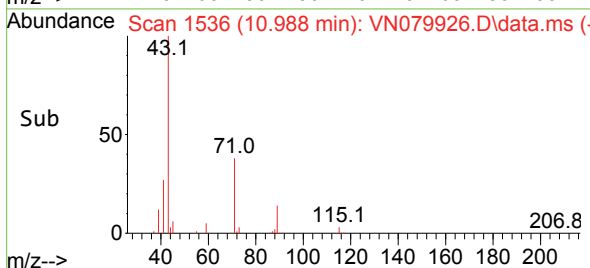
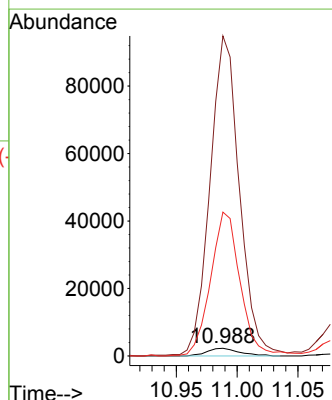
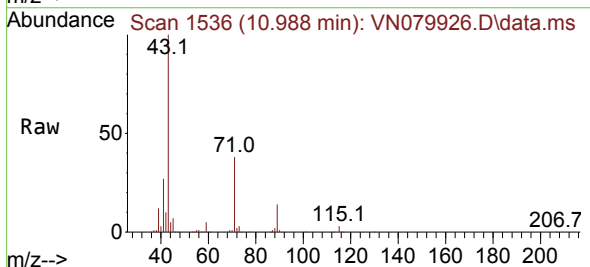
Instrument :
 MSVOA_N
 ClientSampleId :

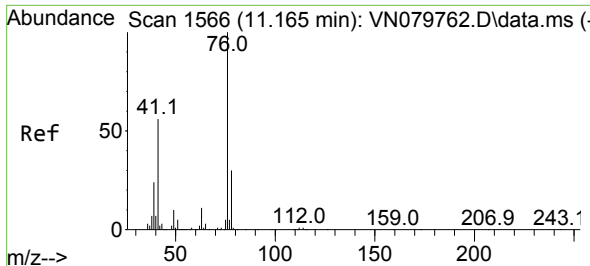
Tgt Ion: 75 Resp: 93920
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.1 39.1#
 39 38.3 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.798 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN079926.D
 Acq: 06 Nov 2023 16:33

Tgt Ion: 69 Resp: 4253
 Ion Ratio Lower Upper
 69 100
 41 3763.6 39.6 59.4#
 39 1707.7 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.938 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

Instrument :

MSVOA_N

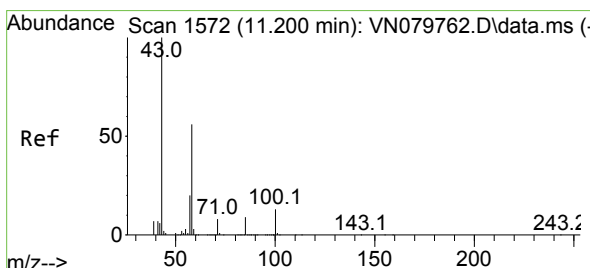
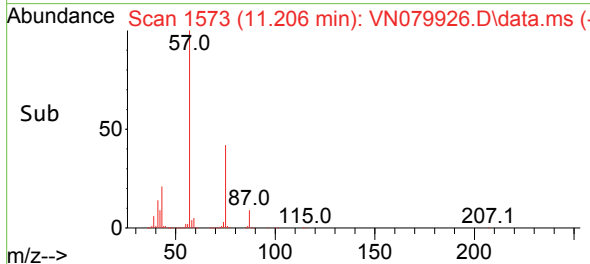
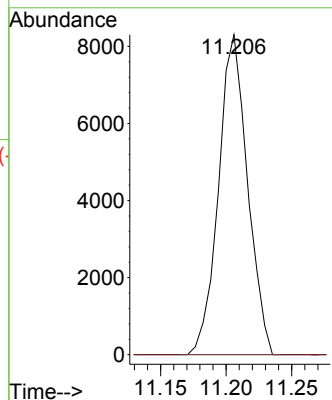
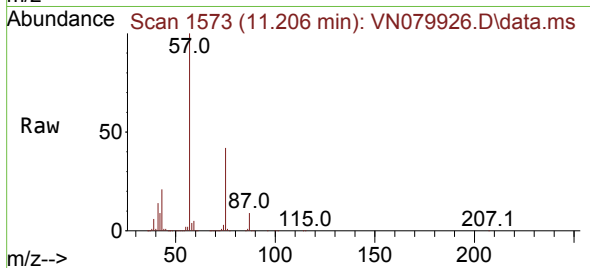
ClientSampleId :

Tgt Ion: 76 Resp: 12761

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.282 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079926.D

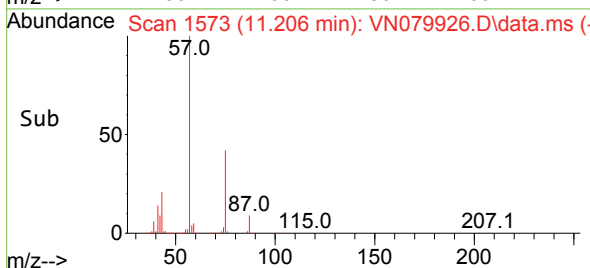
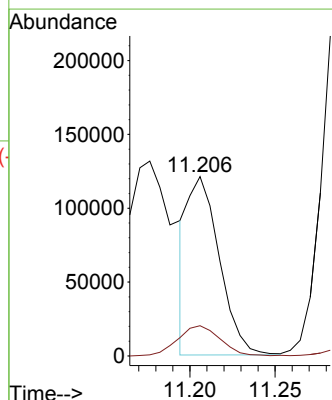
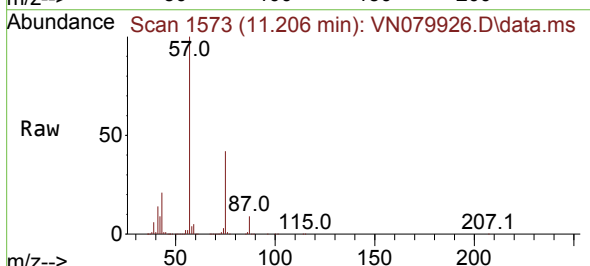
Acq: 06 Nov 2023 16:33

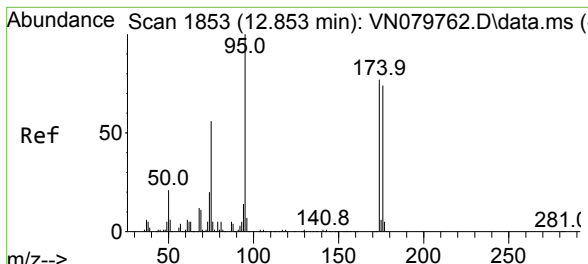
Tgt Ion: 43 Resp: 156837

Ion Ratio Lower Upper

43 100

58 22.9 31.7 95.1#

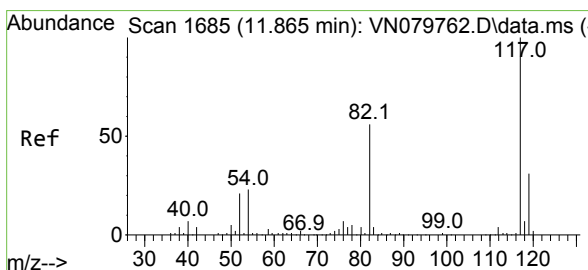
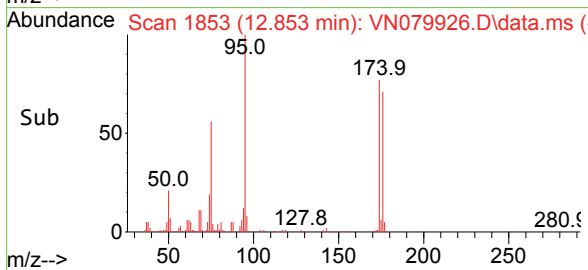
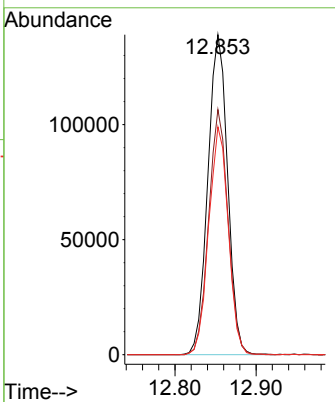
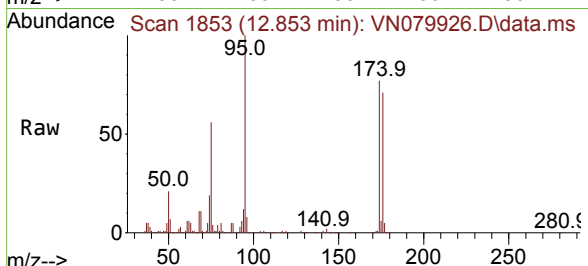




#62
 4-Bromofluorobenzene
 Concen: 52.573 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079926.D
 Acq: 06 Nov 2023 16:33

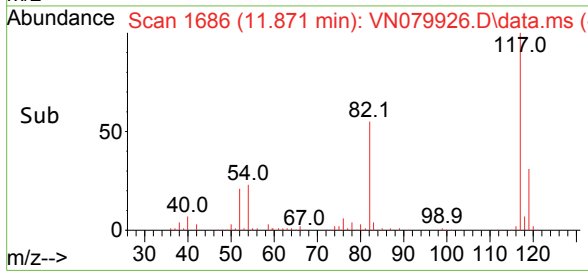
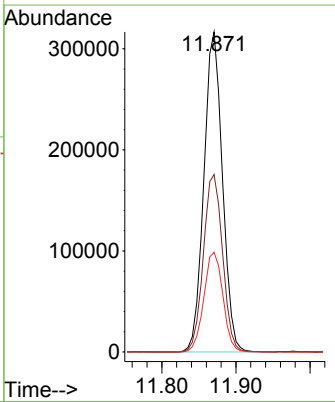
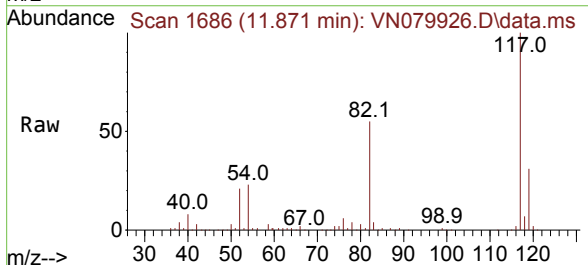
Instrument :
 MSVOA_N
 ClientSampleId :

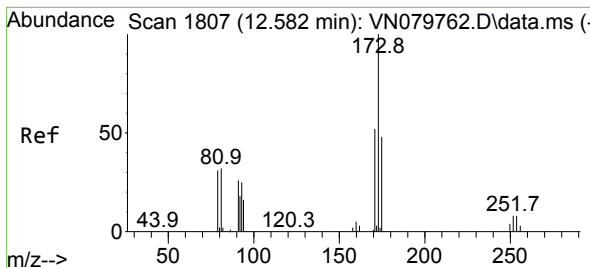
Tgt Ion:	95	Resp:	235168
Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	143.8
176	70.4	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079926.D
 Acq: 06 Nov 2023 16:33

Tgt Ion:	117	Resp:	551431
Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.0	66.0
119	31.2	25.6	38.4





#71

Bromoform

Concen: 0.630 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

Instrument :

MSVOA_N

ClientSampleId :

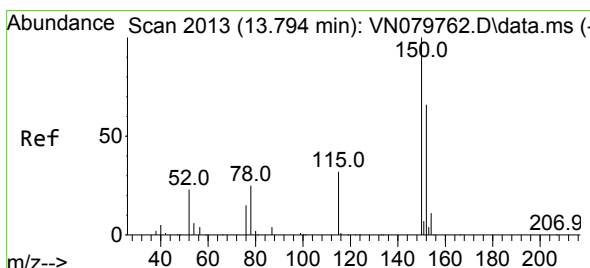
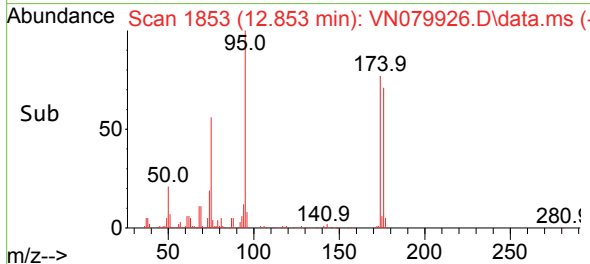
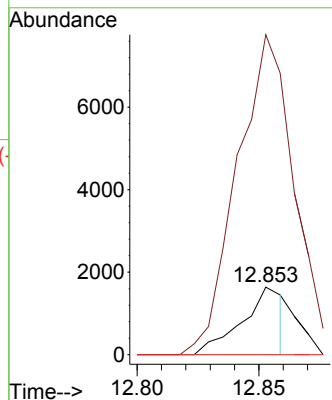
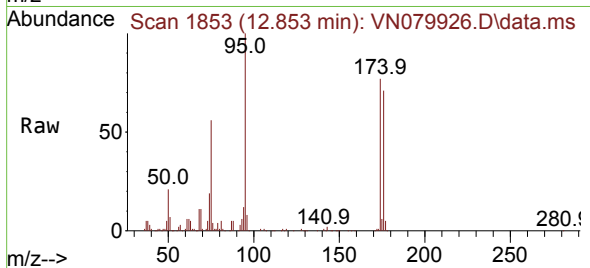
Tgt Ion:173 Resp: 1929

Ion Ratio Lower Upper

173 100

175 524.2 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# 2013

Delta R.T. 0.000 min

Lab File: VN079926.D

Acq: 06 Nov 2023 16:33

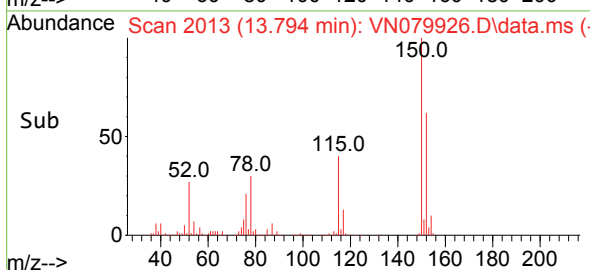
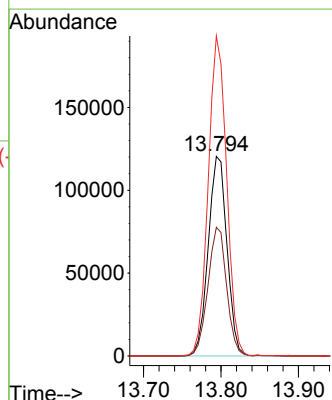
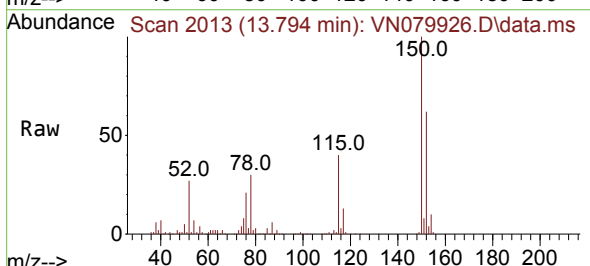
Tgt Ion:152 Resp: 202567

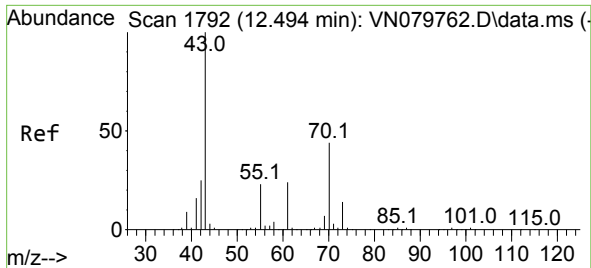
Ion Ratio Lower Upper

152 100

115 64.2 32.3 96.8

150 156.8 0.0 355.8

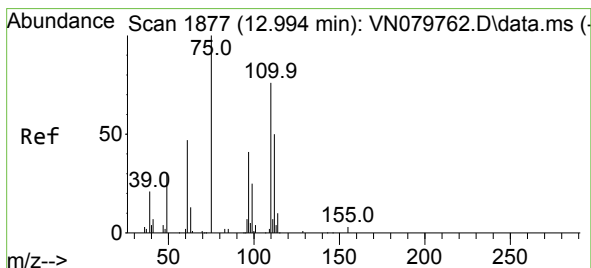
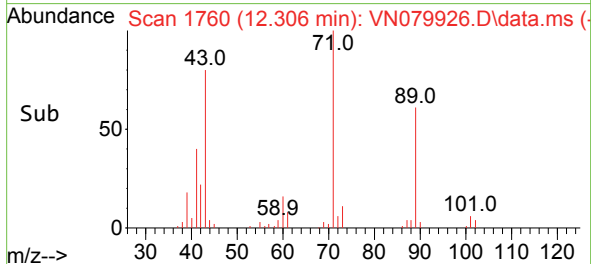
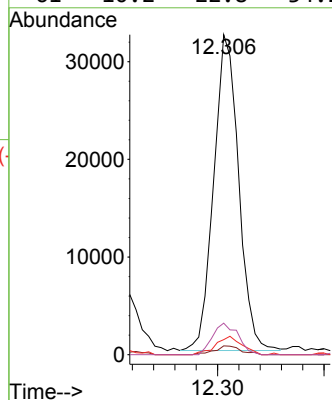
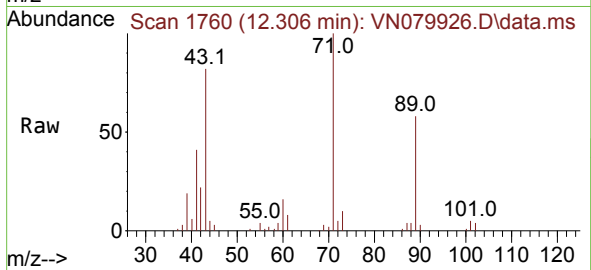




#74
N-amy1 acetate
Concen: 7.827 ug/l
RT: 12.306 min Scan# 1760
Delta R.T. -0.188 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

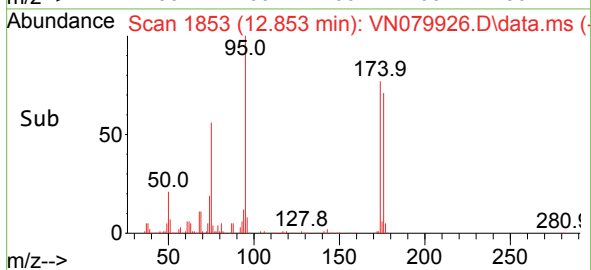
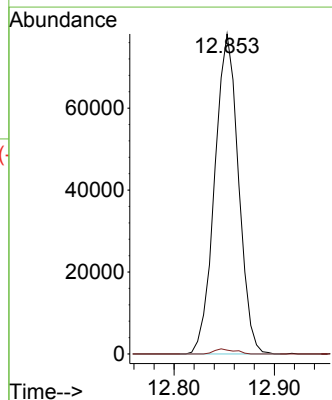
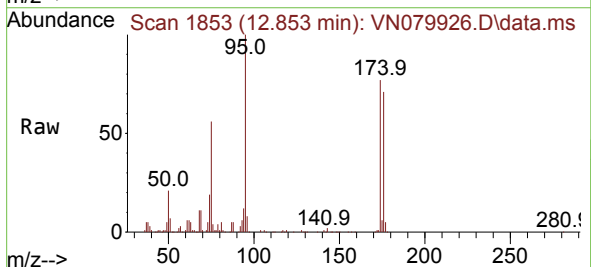
Instrument :
MSVOA_N
ClientSampleId :

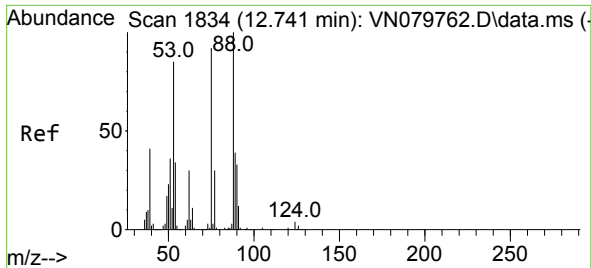
Tgt Ion:	43	Resp:	52525
Ion Ratio	Lower	Upper	
43	100		
70	2.9	43.4	65.2#
55	6.1	21.4	32.0#
61	10.2	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 27.078 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

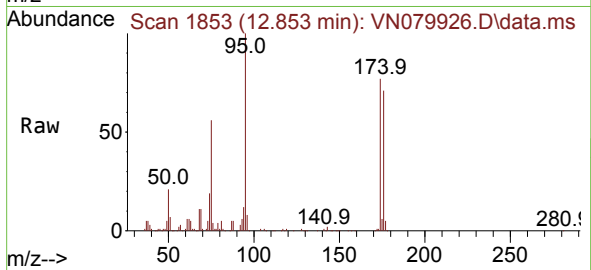
Tgt Ion:	75	Resp:	128775
Ion Ratio	Lower	Upper	
75	100		
77	1.4	84.5	253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.673 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079926.D
Acq: 06 Nov 2023 16:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 128775
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

