

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
 Data File : VN078954.D
 Acq On : 18 Aug 2023 20:01
 Operator : JC\MD
 Sample : PB154902ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

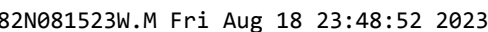
Quant Time: Aug 18 23:48:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

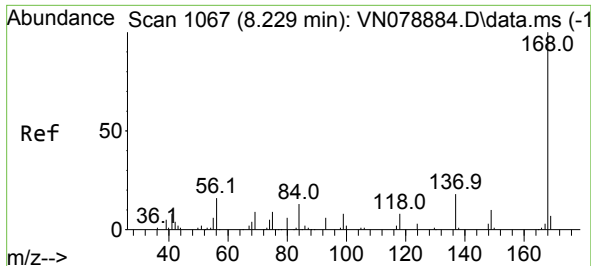
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	148891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	283319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118421	51.112	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.220%			
35) Dibromofluoromethane	8.171	113	99238	50.355	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	10.571	98	376381	51.435	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.853	95	103253	43.169	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.340%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	1012	2.603	ug/l #	72
16) Acetone	4.447	43	29095	30.435	ug/l #	72
18) Methyl Acetate	5.047	43	5999	1.485	ug/l #	65
20) Methylene Chloride	5.271	84	12214	5.995	ug/l #	75
25) 2-Butanone	7.506	43	11685	7.624	ug/l #	69
29) Tetrahydrofuran	7.865	42	288	0.284	ug/l #	20
31) Cyclohexane	8.229	56	4173	Below Cal	#	43
36) 1,1-Dichloropropene	8.229	75	14040	4.736	ug/l #	48
37) Ethyl Acetate	7.565	43	6274	1.892	ug/l #	79
38) Carbon Tetrachloride	8.224	117	16690	5.619	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	1282	0.392	ug/l #	73
43) Isopropyl Acetate	8.694	43	280138	47.784	ug/l #	68
48) Methyl methacrylate	9.682	41	5598	2.107	ug/l #	31
49) 1,4-Dioxane	9.741	88	76	1.680	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	45725	13.150	ug/l #	77
52) Toluene	10.635	92	1290	0.240	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	1049	0.310	ug/l #	64
54) cis-1,3-Dichloropropene	10.365	75	54741	14.833	ug/l #	72
56) Ethyl methacrylate	10.988	69	2473	0.740	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7512	1.947	ug/l #	42
59) 2-Hexanone	11.206	43	102520	40.707	ug/l #	47
71) Bromoform	12.853	173	1163	0.702	ug/l #	1
74) N-amyl acetate	12.488	43	3289	0.935	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	57591	28.608	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57591	73.082	ug/l #	15

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

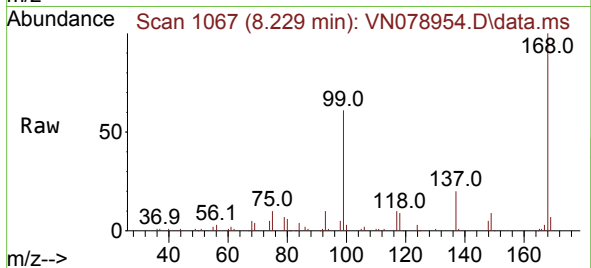
Quant Time: Aug 18 23:48:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



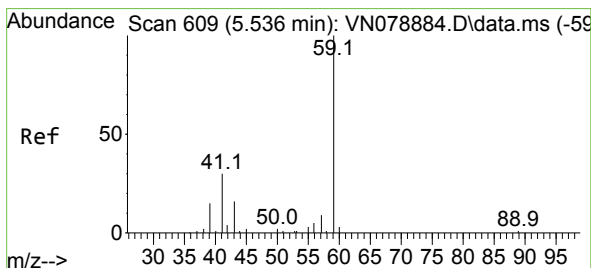
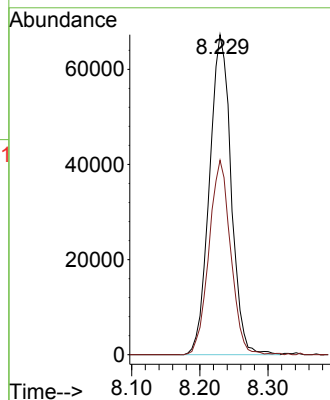
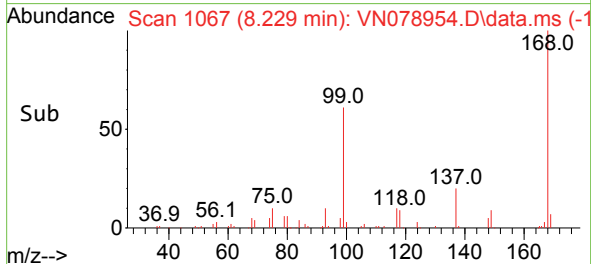


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

Instrument :
MSVOA_N
ClientSampleId :

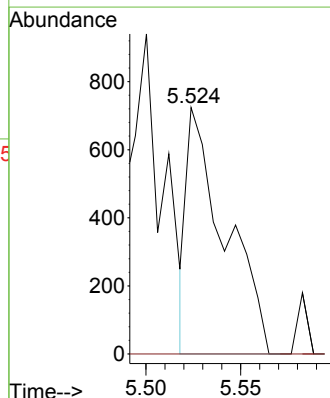
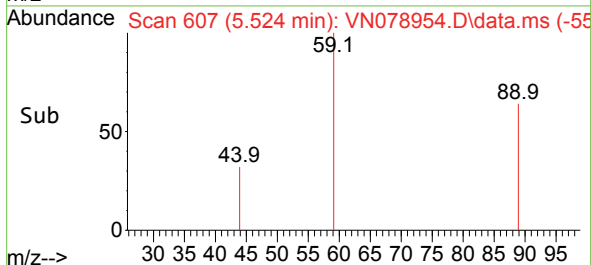
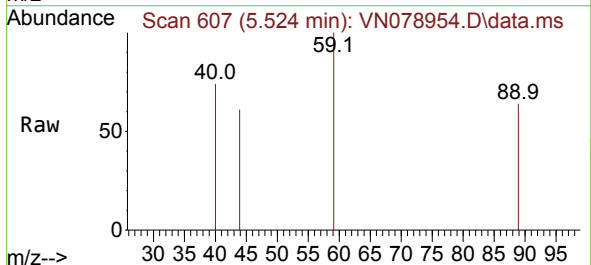


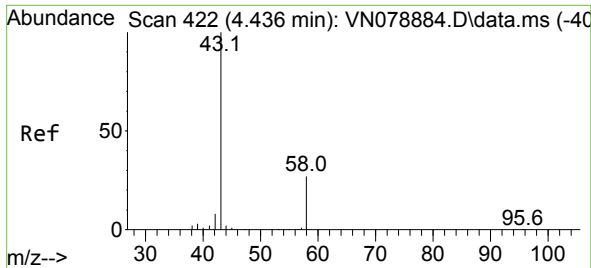
Tgt Ion:168 Resp: 148891
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#11
Tert butyl alcohol
Concen: 2.603 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

Tgt Ion: 59 Resp: 1012
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 30.435 ug/l

RT: 4.447 min Scan# 43

Delta R.T. 0.005 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Instrument :

MSVOA_N

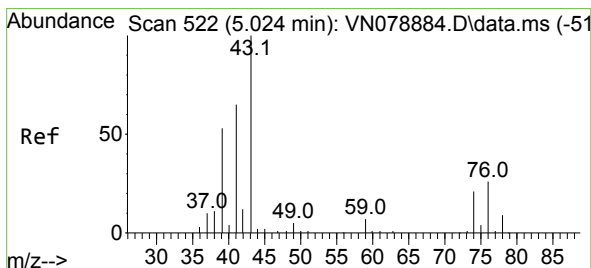
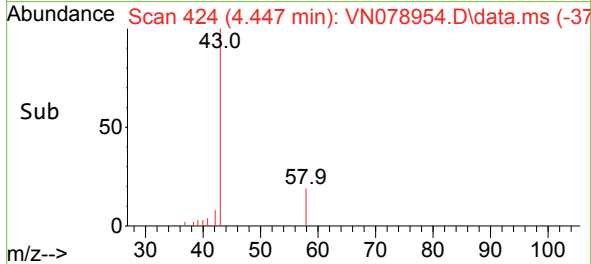
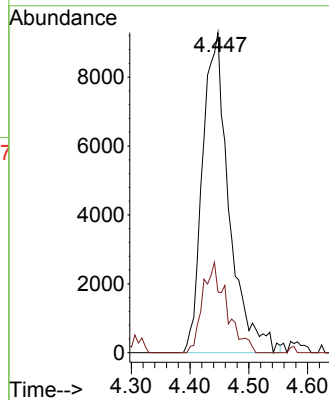
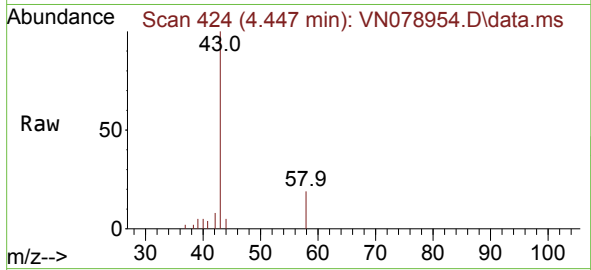
ClientSampleId :

Tgt Ion: 43 Resp: 29095

Ion Ratio Lower Upper

43 100

58 19.0 28.0 42.0#



#18

Methyl Acetate

Concen: 1.485 ug/l

RT: 5.047 min Scan# 526

Delta R.T. 0.005 min

Lab File: VN078954.D

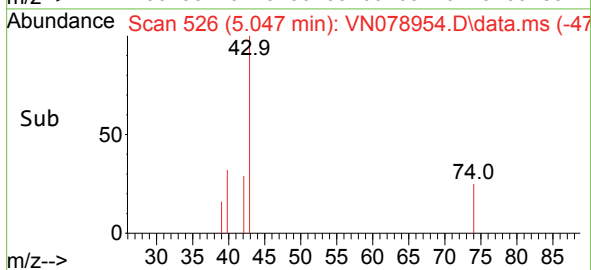
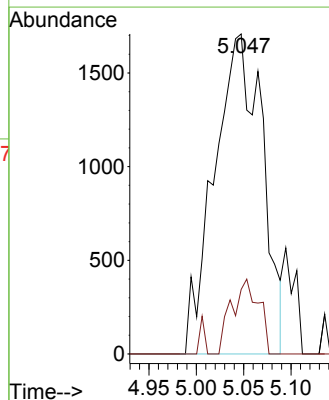
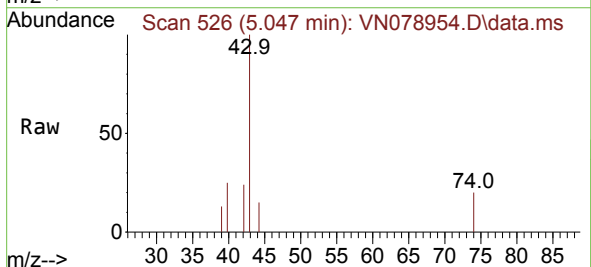
Acq: 18 Aug 2023 20:01

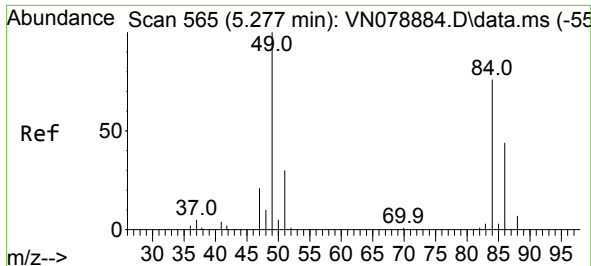
Tgt Ion: 43 Resp: 5999

Ion Ratio Lower Upper

43 100

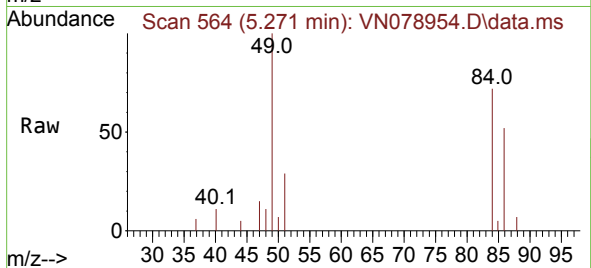
74 13.3 26.2 39.4#



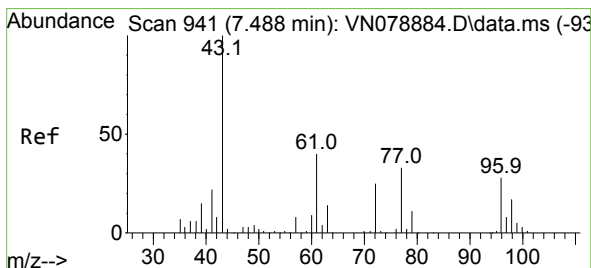
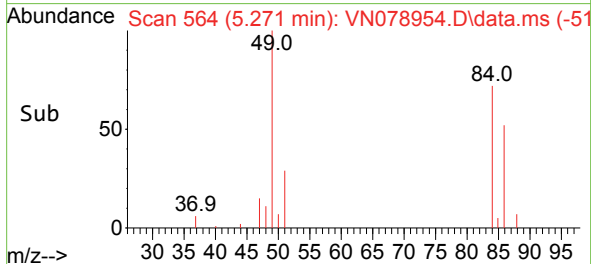
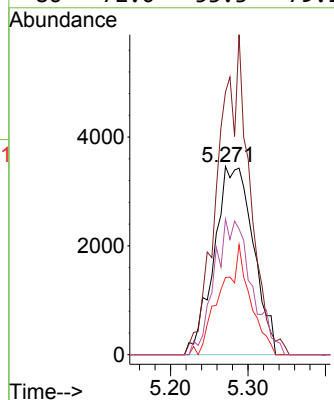


#20
Methylene Chloride
Concen: 5.995 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

Instrument :
MSVOA_N
ClientSampleId :

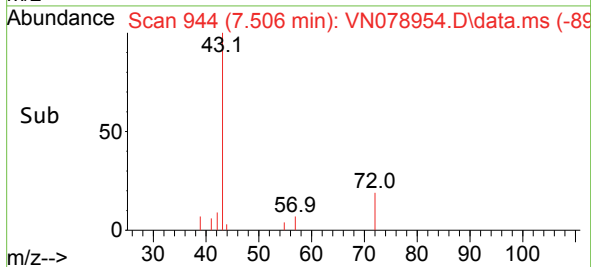
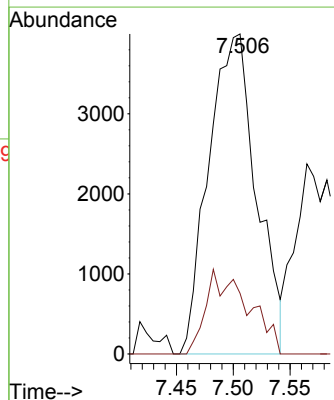
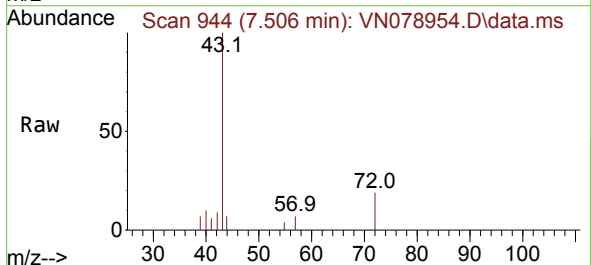


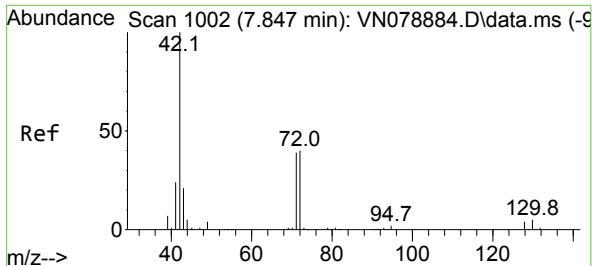
Tgt Ion:	84	Resp:	12214
Ion	Ratio	Lower	Upper
84	100		
49	139.4	79.7	119.5#
51	40.9	25.2	37.8#
86	72.0	53.3	79.9



#25
2-Butanone
Concen: 7.624 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

Tgt Ion:	43	Resp:	11685
Ion	Ratio	Lower	Upper
43	100		
72	19.0	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.284 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.018 min

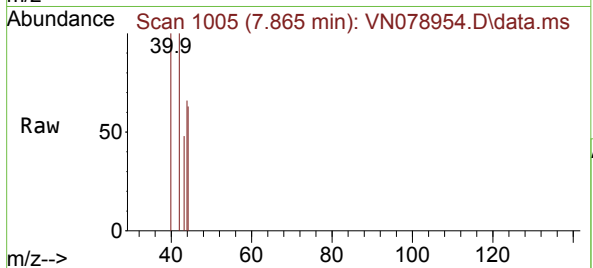
Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

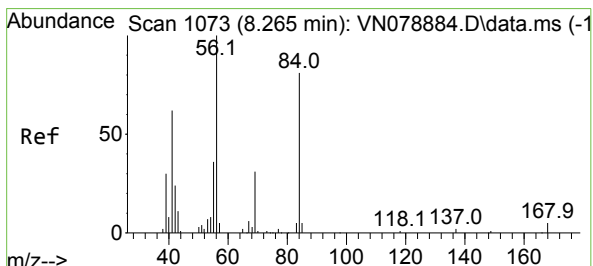
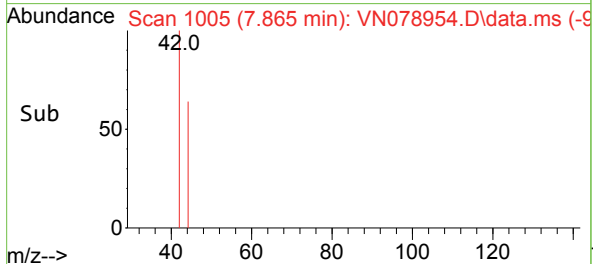
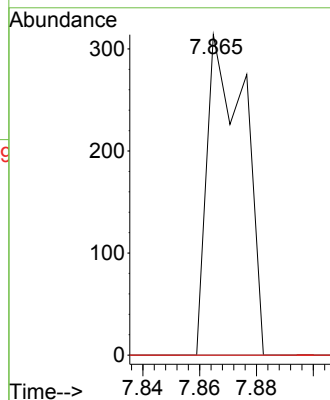
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	288
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: Below Cal

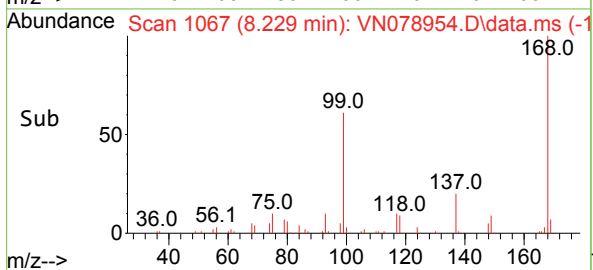
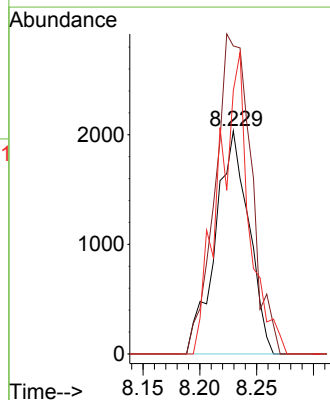
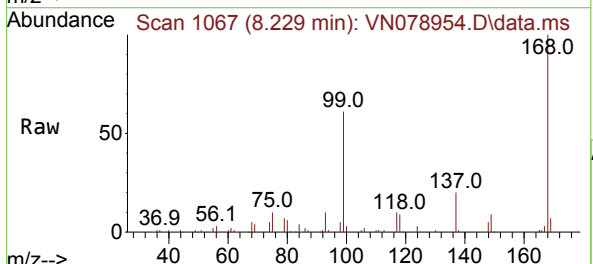
RT: 8.229 min Scan# 1067

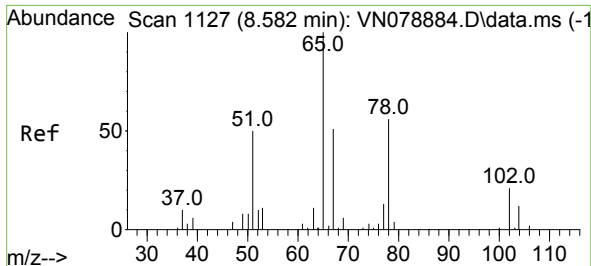
Delta R.T. -0.036 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Tgt Ion:	56	Resp:	4173
Ion	Ratio	Lower	Upper
56	100		
69	138.1	26.8	40.2#
84	118.0	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 51.112 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Instrument :

MSVOA_N

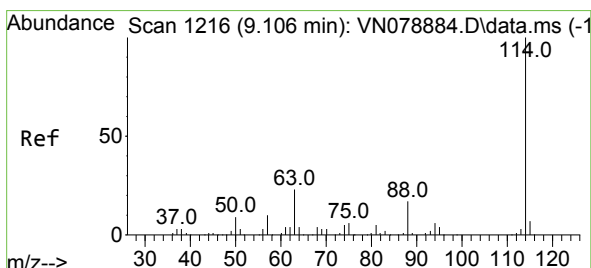
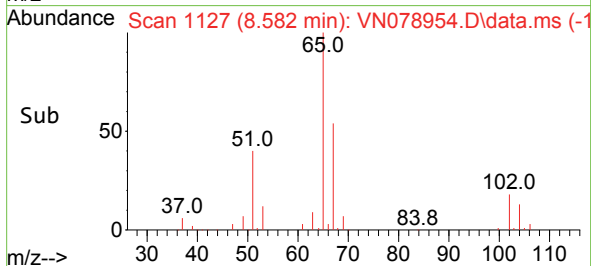
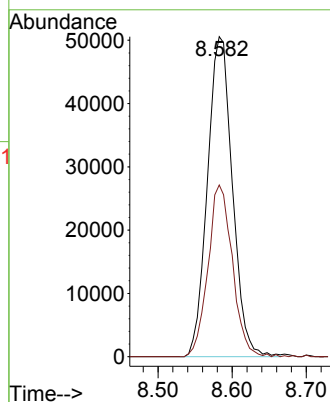
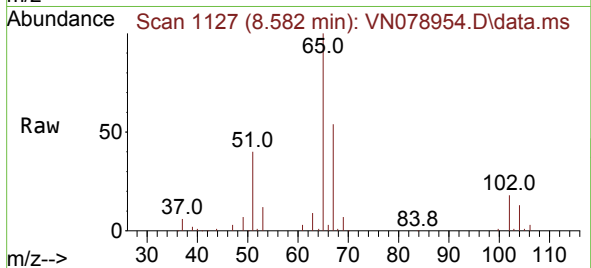
ClientSampleId :

Tgt Ion: 65 Resp: 118421

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

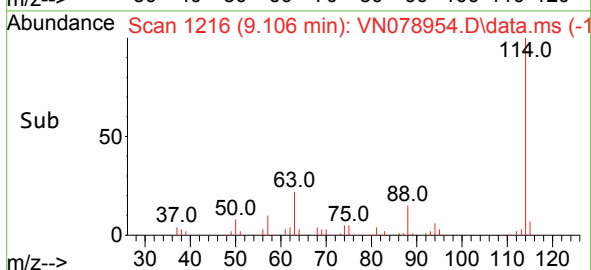
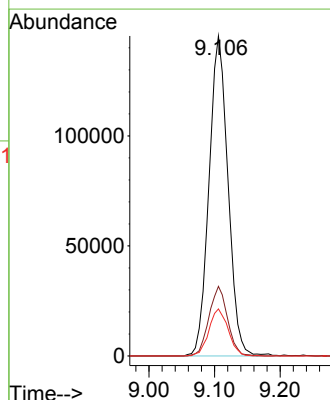
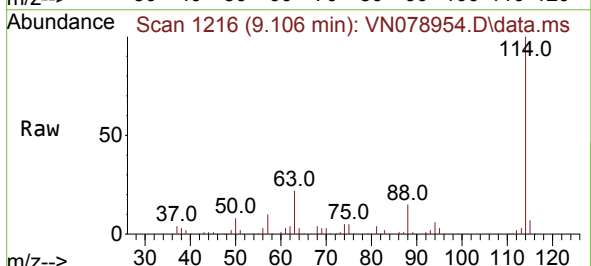
Tgt Ion: 114 Resp: 292768

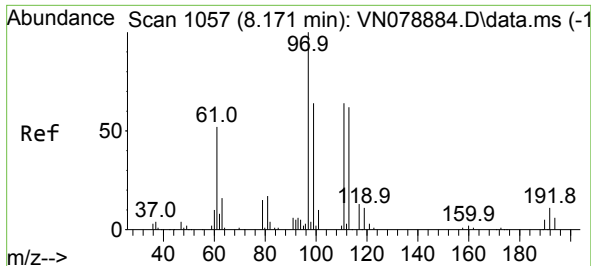
Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.355 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Instrument :

MSVOA_N

ClientSampleId :

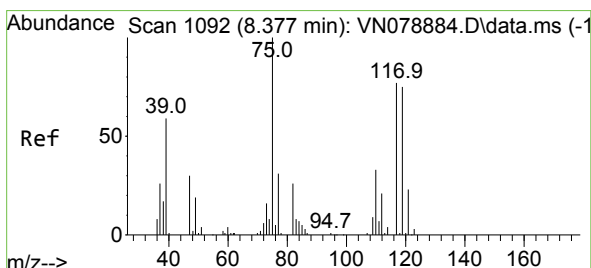
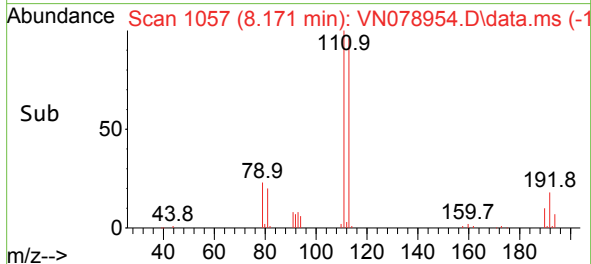
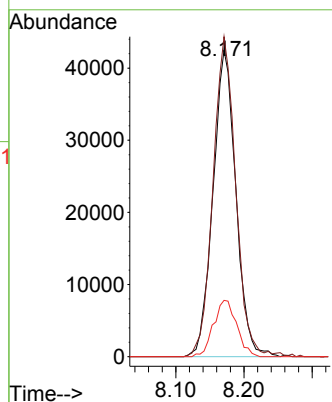
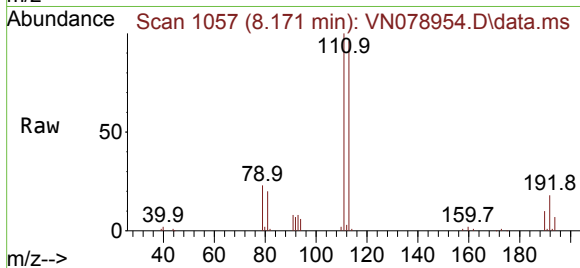
Tgt Ion:113 Resp: 99238

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 18.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.736 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

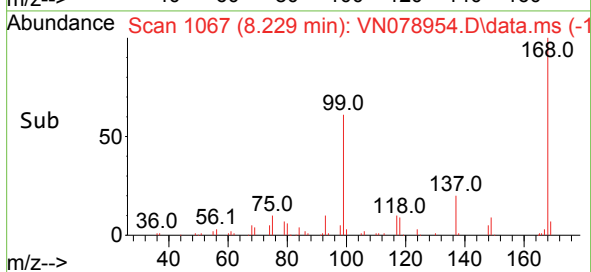
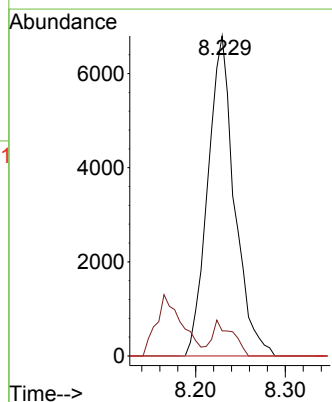
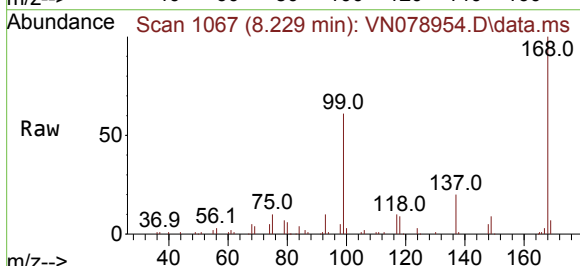
Tgt Ion: 75 Resp: 14040

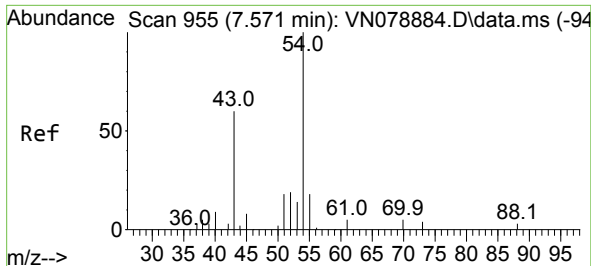
Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.892 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

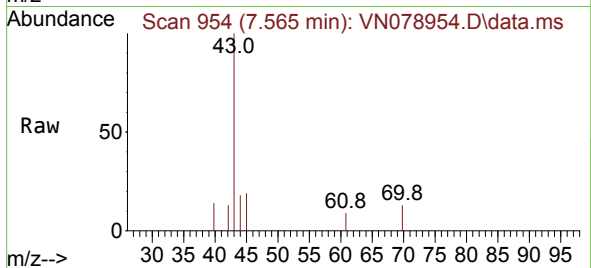
Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

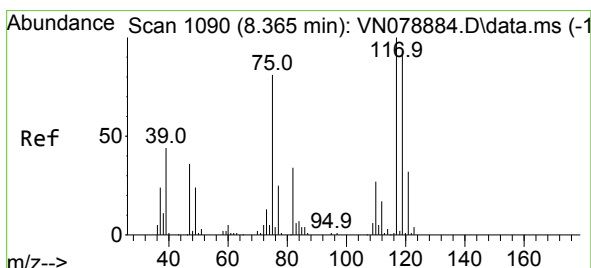
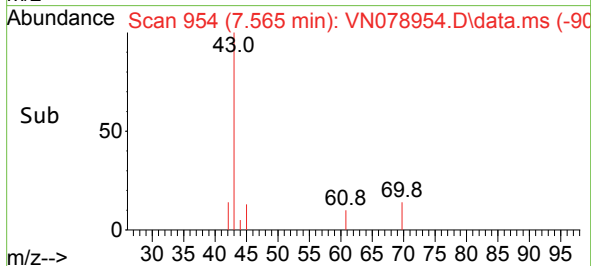
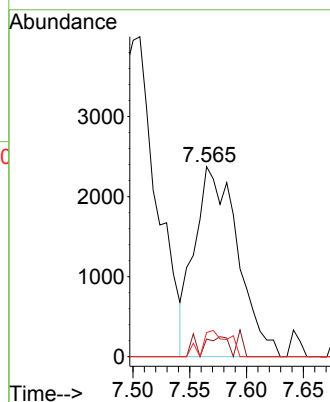
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	6274
Ion	Ratio	Lower	Upper
43	100		
61	5.1	13.2	19.8#
70	8.4	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.619 ug/l

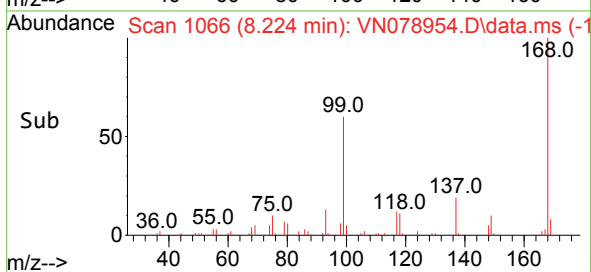
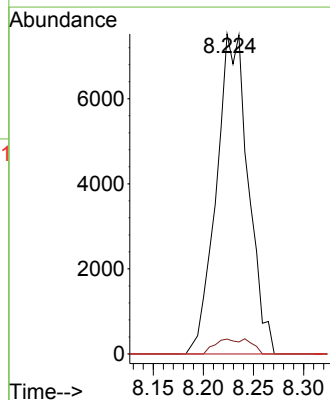
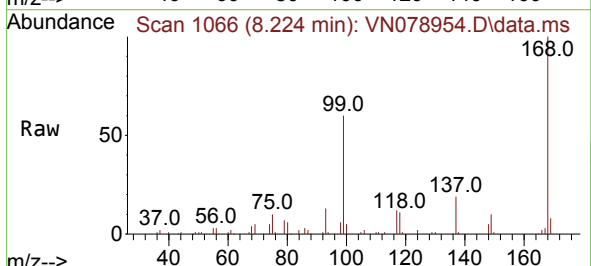
RT: 8.224 min Scan# 1066

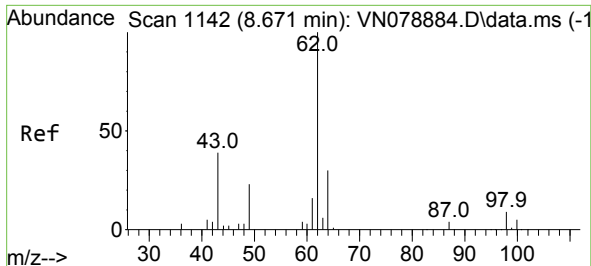
Delta R.T. -0.147 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Tgt Ion:	117	Resp:	16690
Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.392 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Instrument :

MSVOA_N

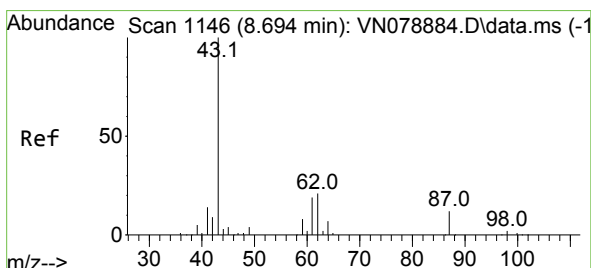
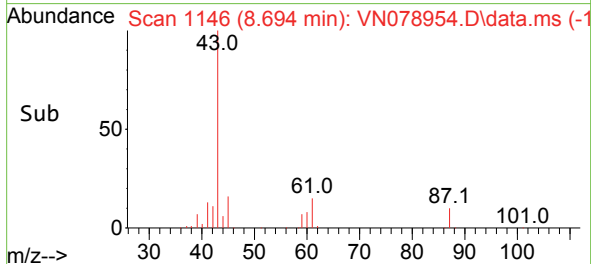
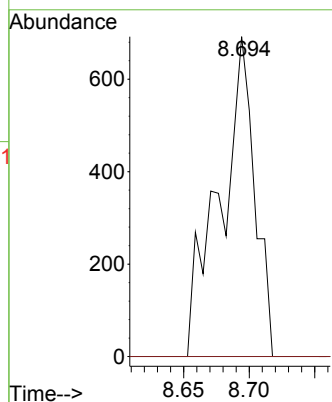
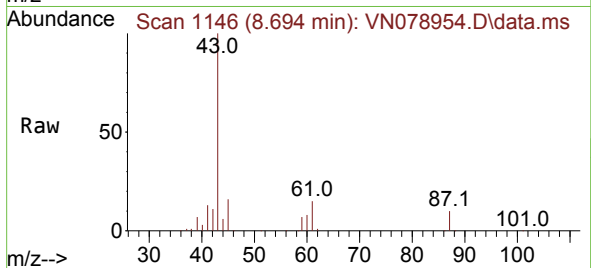
ClientSampleId :

Tgt Ion: 62 Resp: 1282

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 47.784 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

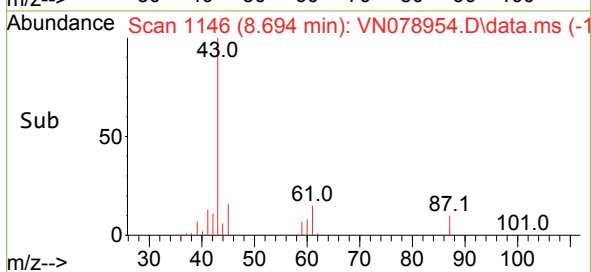
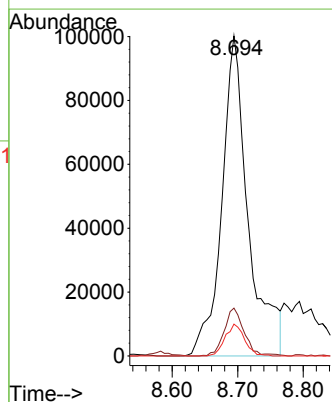
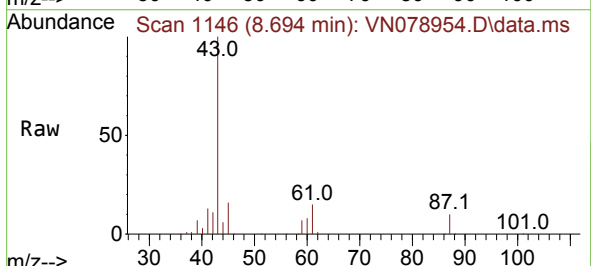
Tgt Ion: 43 Resp: 280138

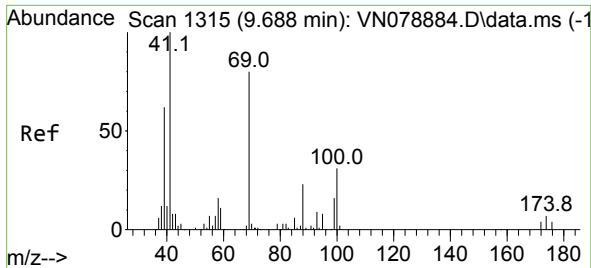
Ion Ratio Lower Upper

43 100

61 11.1 24.7 37.1#

87 7.3 14.6 21.8#

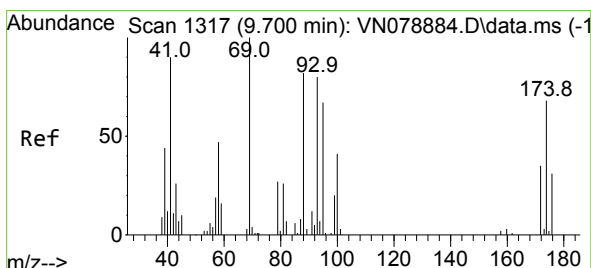
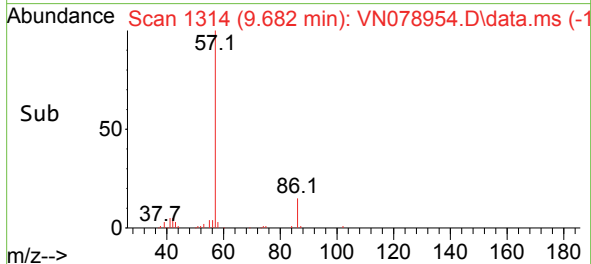
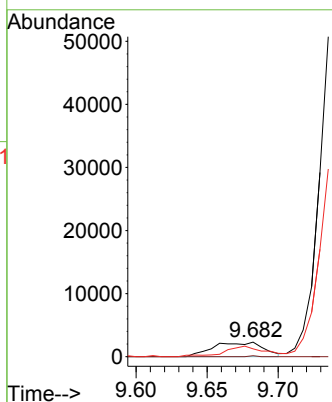
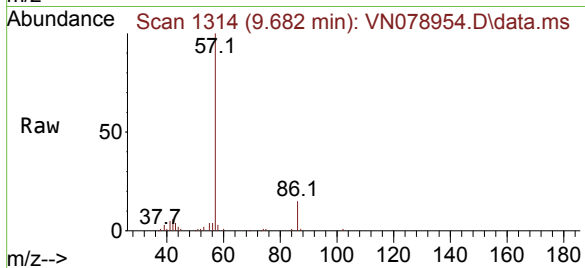




#48
Methyl methacrylate
Concen: 2.107 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

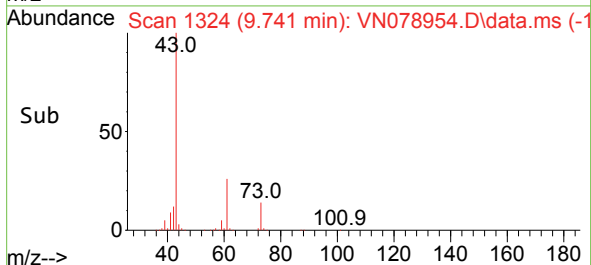
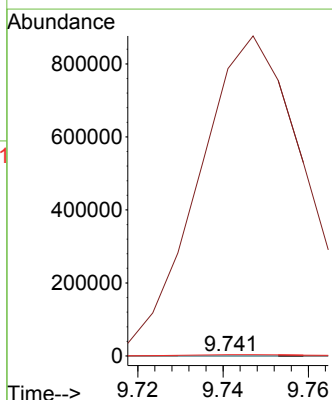
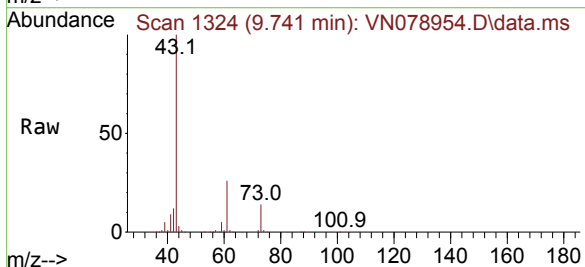
Instrument :
MSVOA_N
ClientSampleId :

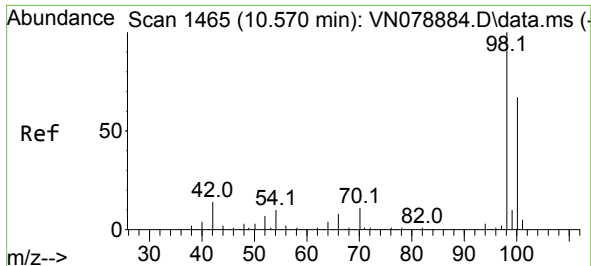
Tgt Ion: 41 Resp: 5598
Ion Ratio Lower Upper
41 100
69 1.0 90.4 135.6#
39 60.6 54.6 81.8



#49
1,4-Dioxane
Concen: 1.680 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 2076550.0 17.0 25.6#
58 10042.1 47.0 70.4#

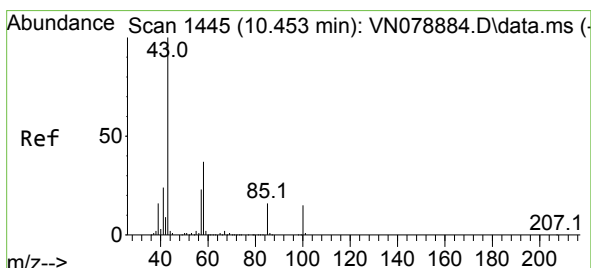
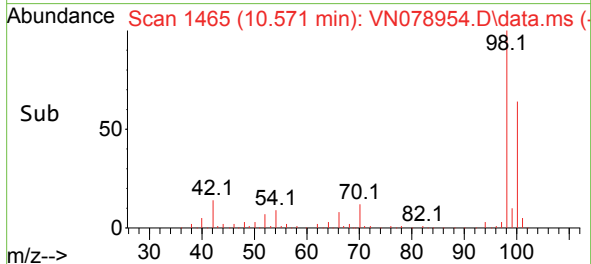
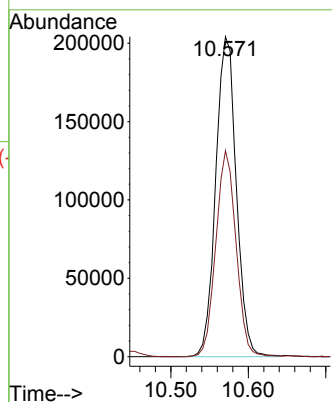
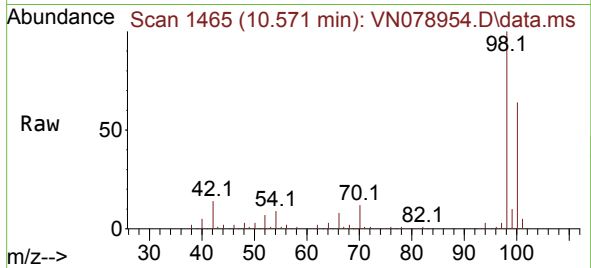




#50
Toluene-d8
Concen: 51.435 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

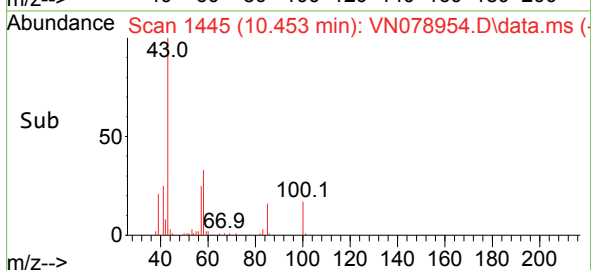
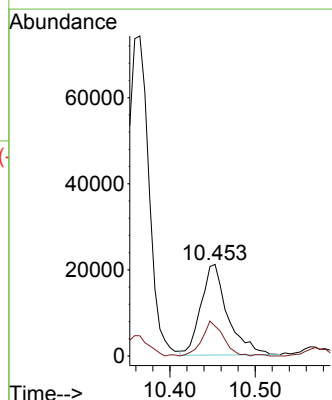
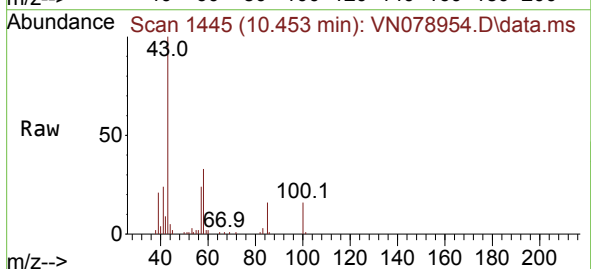
Instrument :
MSVOA_N
ClientSampleId :

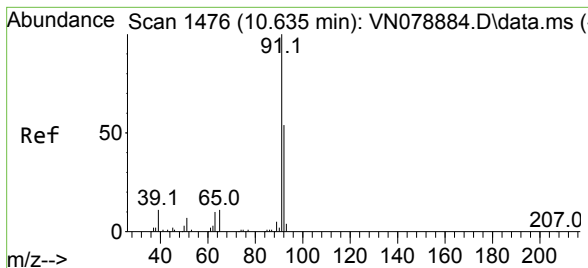
Tgt Ion: 98 Resp: 376381
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 13.150 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

Tgt Ion: 43 Resp: 45725
Ion Ratio Lower Upper
43 100
58 30.3 36.6 54.8#





#52

Toluene

Concen: 0.240 ug/l

RT: 10.635 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Instrument :

MSVOA_N

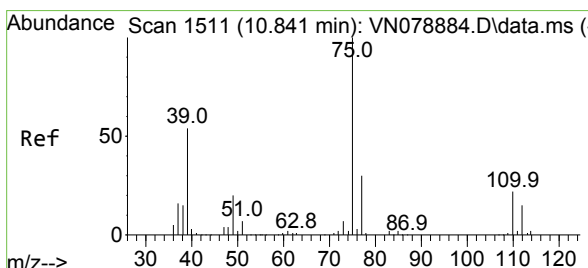
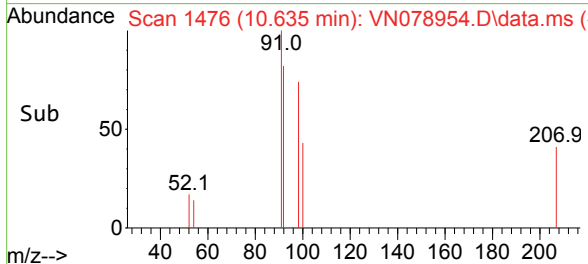
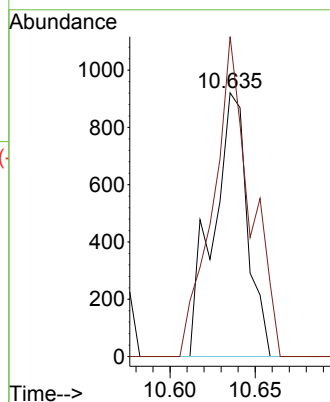
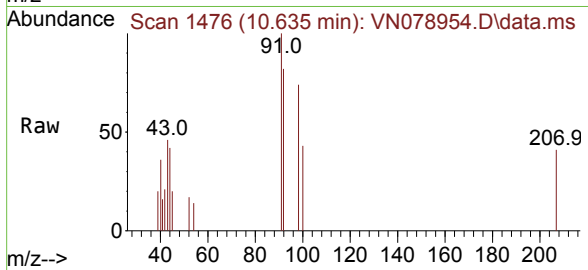
ClientSampleId :

Tgt Ion: 92 Resp: 1290

Ion Ratio Lower Upper

92 100

91 131.6 137.4 206.0#



#53

t-1,3-Dichloropropene

Concen: 0.310 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.112 min

Lab File: VN078954.D

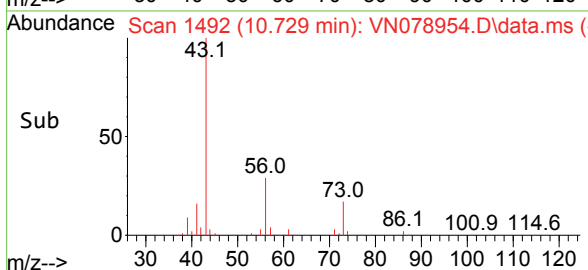
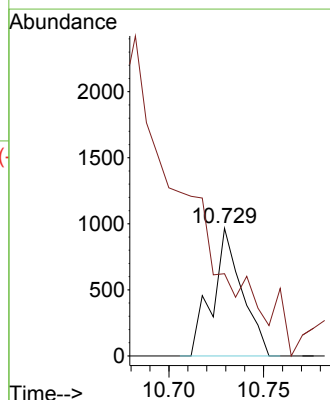
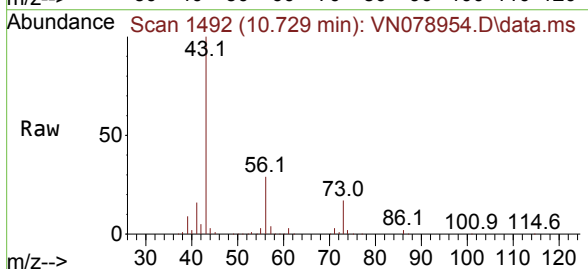
Acq: 18 Aug 2023 20:01

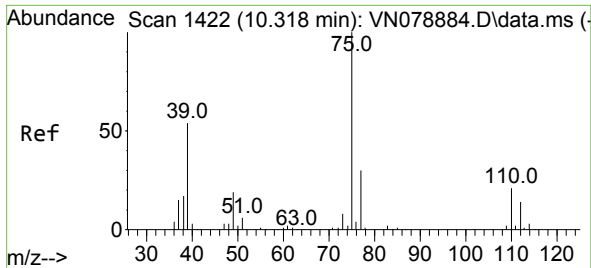
Tgt Ion: 75 Resp: 1049

Ion Ratio Lower Upper

75 100

77 11.5 25.4 38.0#

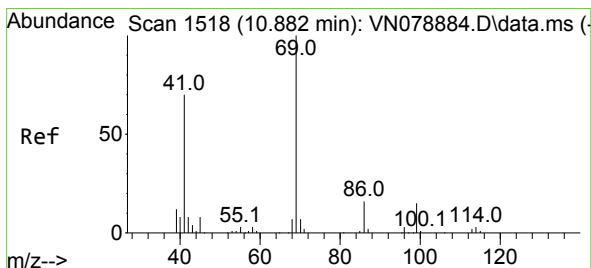
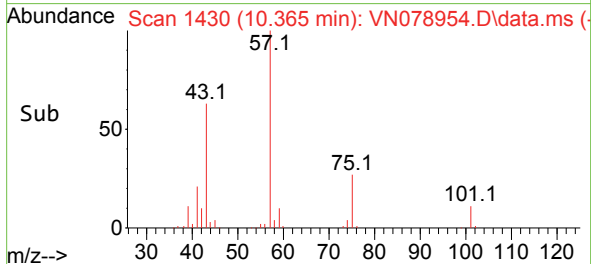
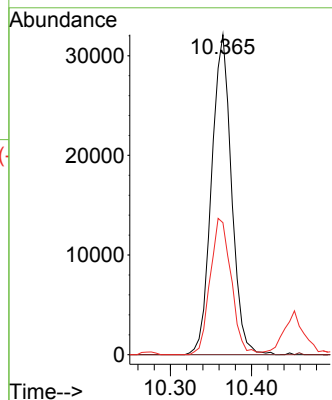
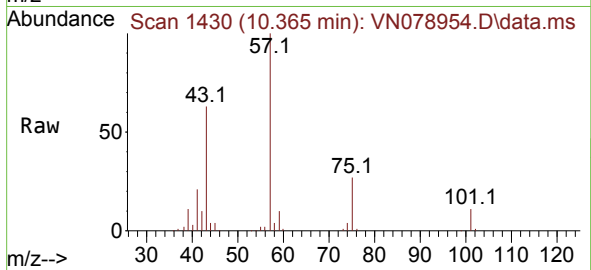




#54
 cis-1,3-Dichloropropene
 Concen: 14.833 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078954.D
 Acq: 18 Aug 2023 20:01

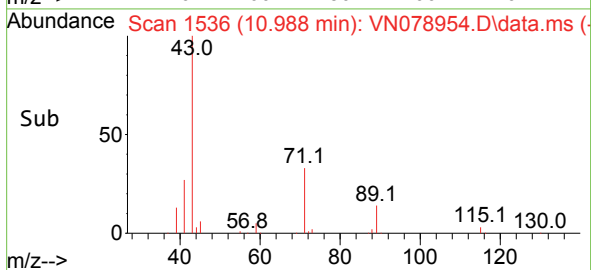
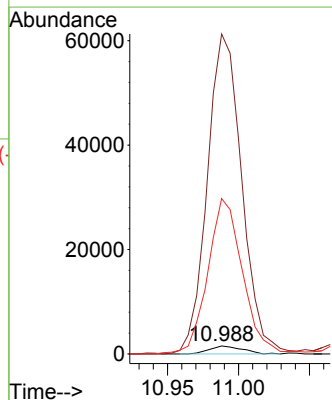
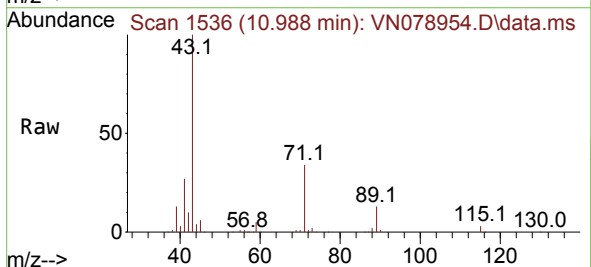
Instrument :
 MSVOA_N
 ClientSampleId :

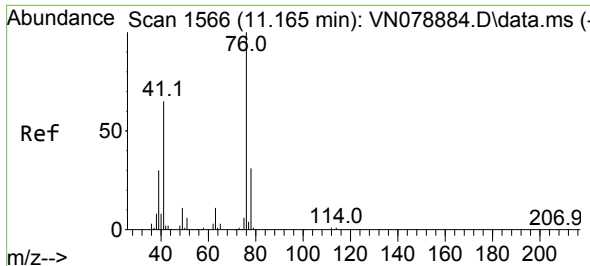
Tgt Ion: 75 Resp: 54741
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 41.2 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.740 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.111 min
 Lab File: VN078954.D
 Acq: 18 Aug 2023 20:01

Tgt Ion: 69 Resp: 2473
 Ion Ratio Lower Upper
 69 100
 41 4192.0 39.6 59.4#
 39 2050.7 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.947 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Instrument :

MSVOA_N

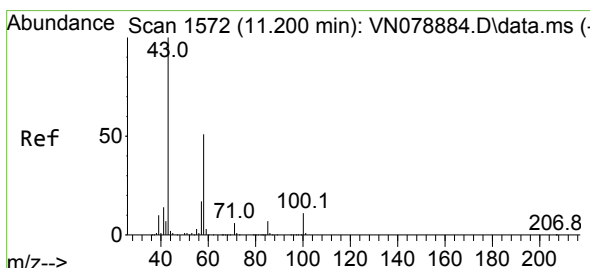
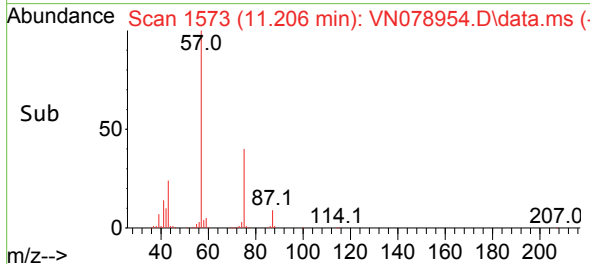
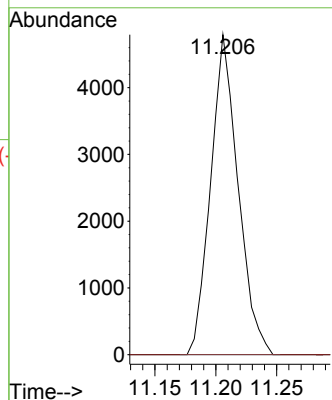
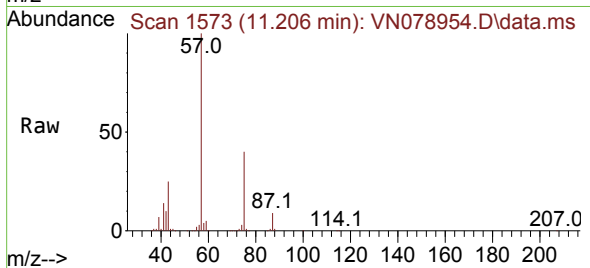
ClientSampleId :

Tgt Ion: 76 Resp: 7512

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 40.707 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN078954.D

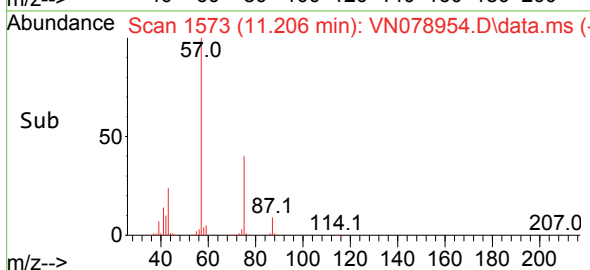
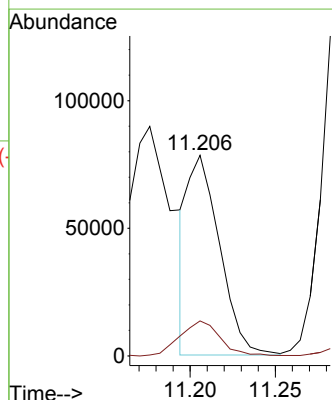
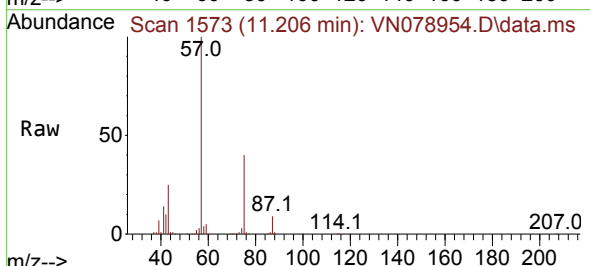
Acq: 18 Aug 2023 20:01

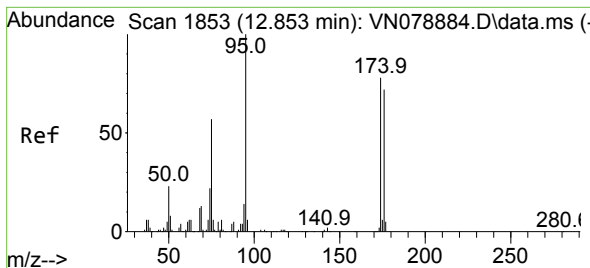
Tgt Ion: 43 Resp: 102520

Ion Ratio Lower Upper

43 100

58 22.3 31.7 95.1#

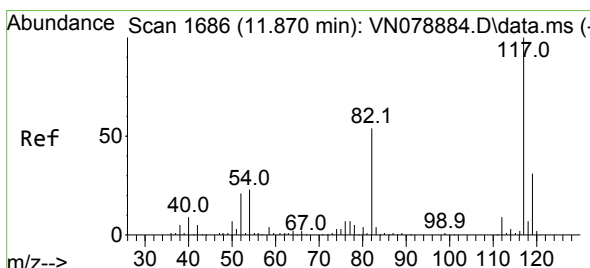
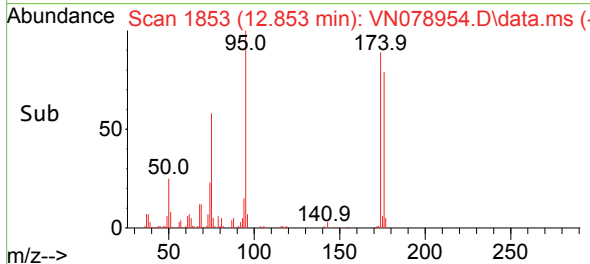
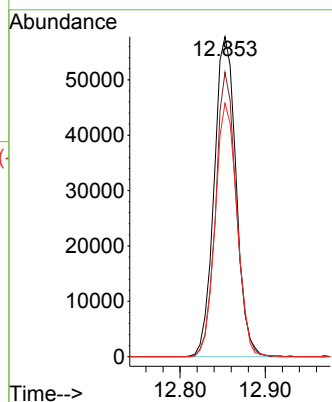
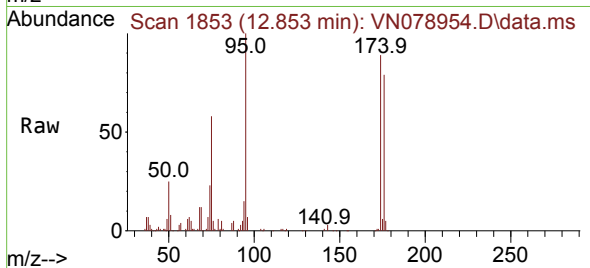




#62
4-Bromofluorobenzene
Concen: 43.169 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

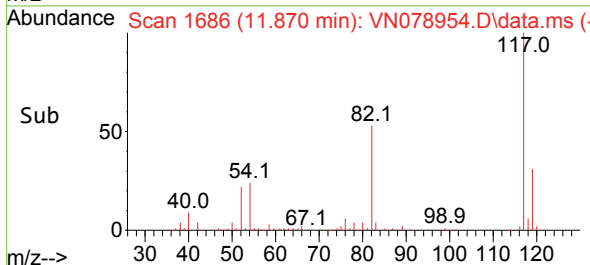
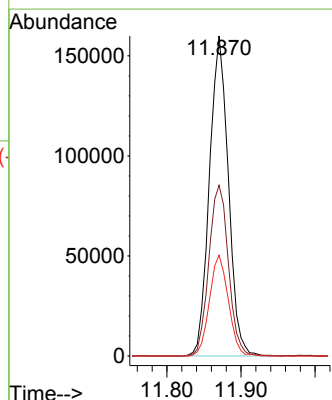
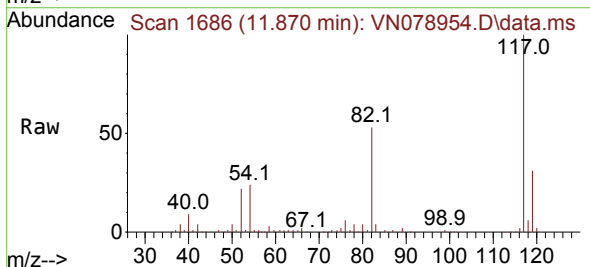
Instrument :
MSVOA_N
ClientSampleId :

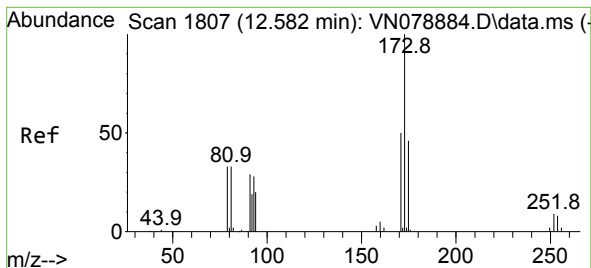
Tgt Ion: 95 Resp: 103253
Ion Ratio Lower Upper
95 100
174 83.5 0.0 143.8
176 78.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

Tgt Ion: 117 Resp: 283319
Ion Ratio Lower Upper
117 100
82 53.4 44.0 66.0
119 31.5 25.6 38.4





#71

Bromoform

Concen: 0.702 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

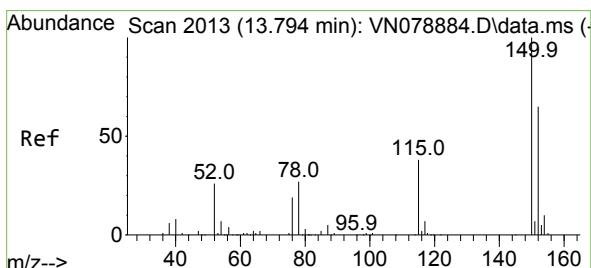
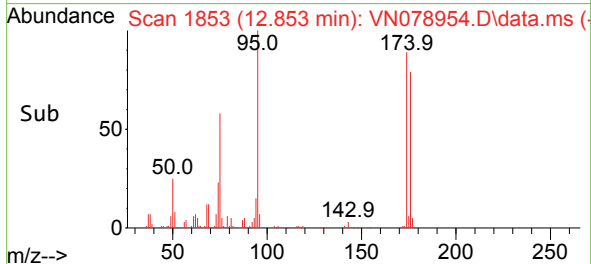
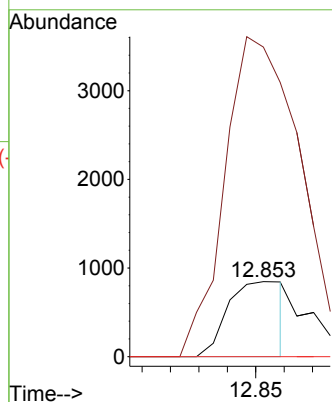
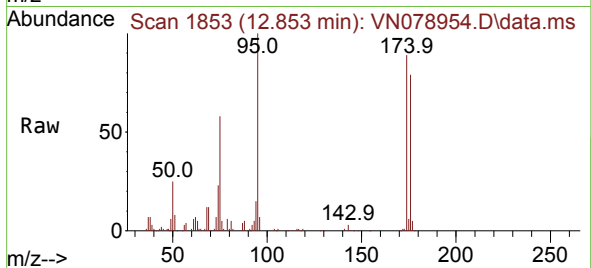
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1163

Ion	Ratio	Lower	Upper
173	100		
175	429.3	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

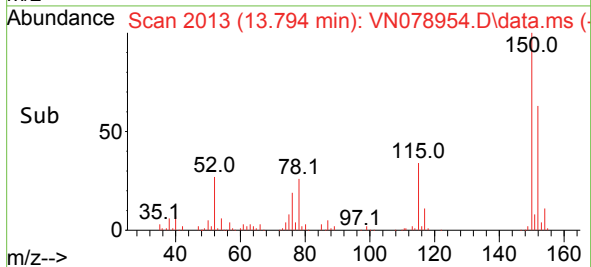
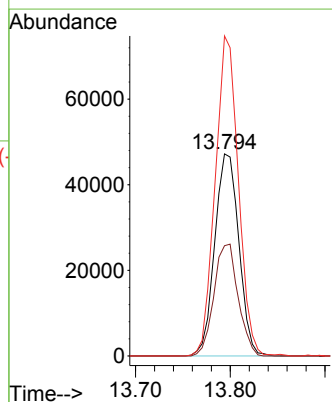
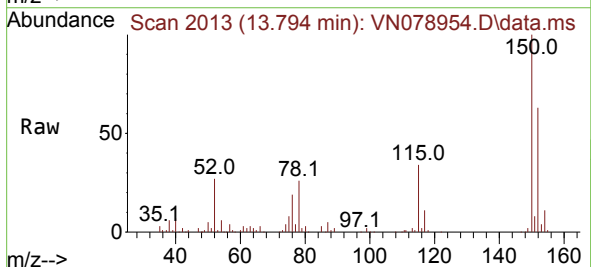
Delta R.T. -0.000 min

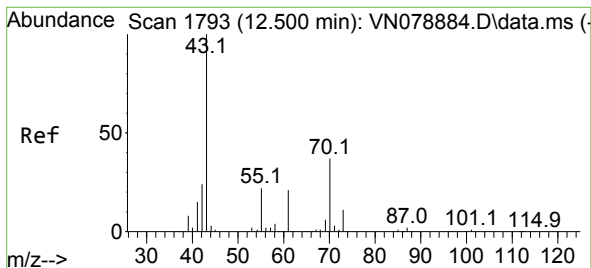
Lab File: VN078954.D

Acq: 18 Aug 2023 20:01

Tgt Ion:152 Resp: 83547

Ion	Ratio	Lower	Upper
152	100		
115	55.4	32.3	96.8
150	152.1	0.0	355.8

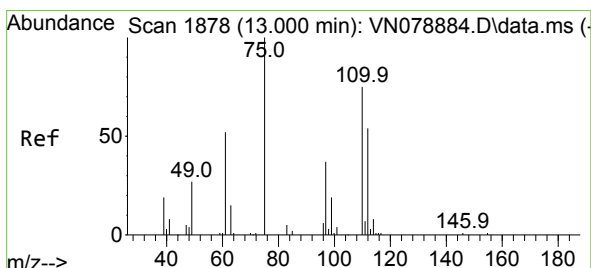
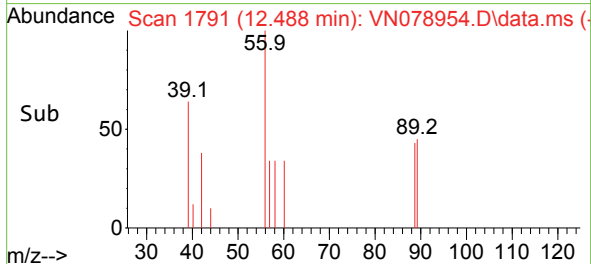
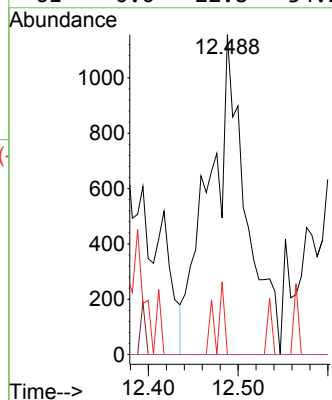
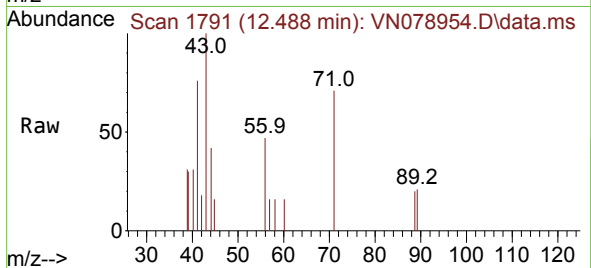




#74
N-amy1 acetate
Concen: 0.935 ug/l
RT: 12.488 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

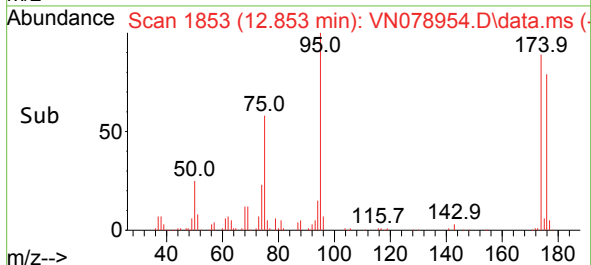
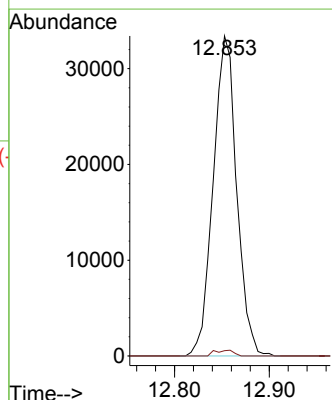
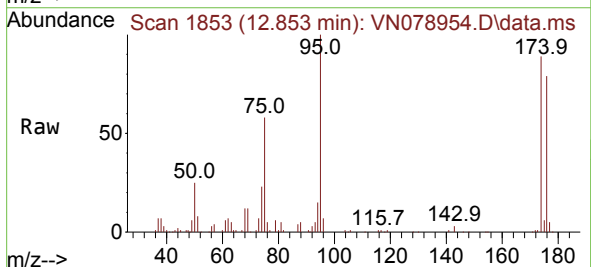
Instrument :
MSVOA_N
ClientSampleId :

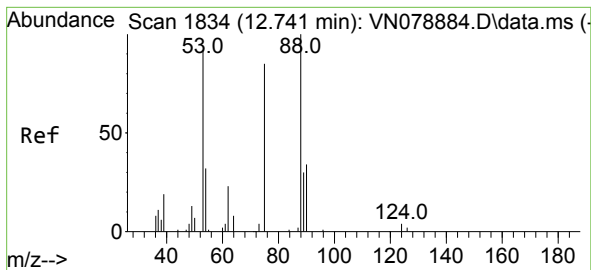
Tgt Ion: 43 Resp: 3289
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 2.1 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.608 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078954.D
Acq: 18 Aug 2023 20:01

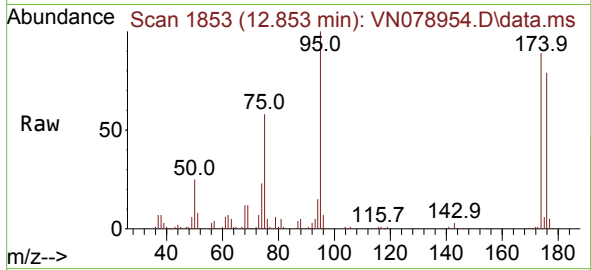
Tgt Ion: 75 Resp: 57591
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.082 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078954.D
 Acq: 18 Aug 2023 20:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	57591
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#

