

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060823\
 Data File : VN078127.D
 Acq On : 08 Jun 2023 14:12
 Operator : JC\MD
 Sample : PB153290TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153290TB

Quant Time: Jun 09 01:26:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

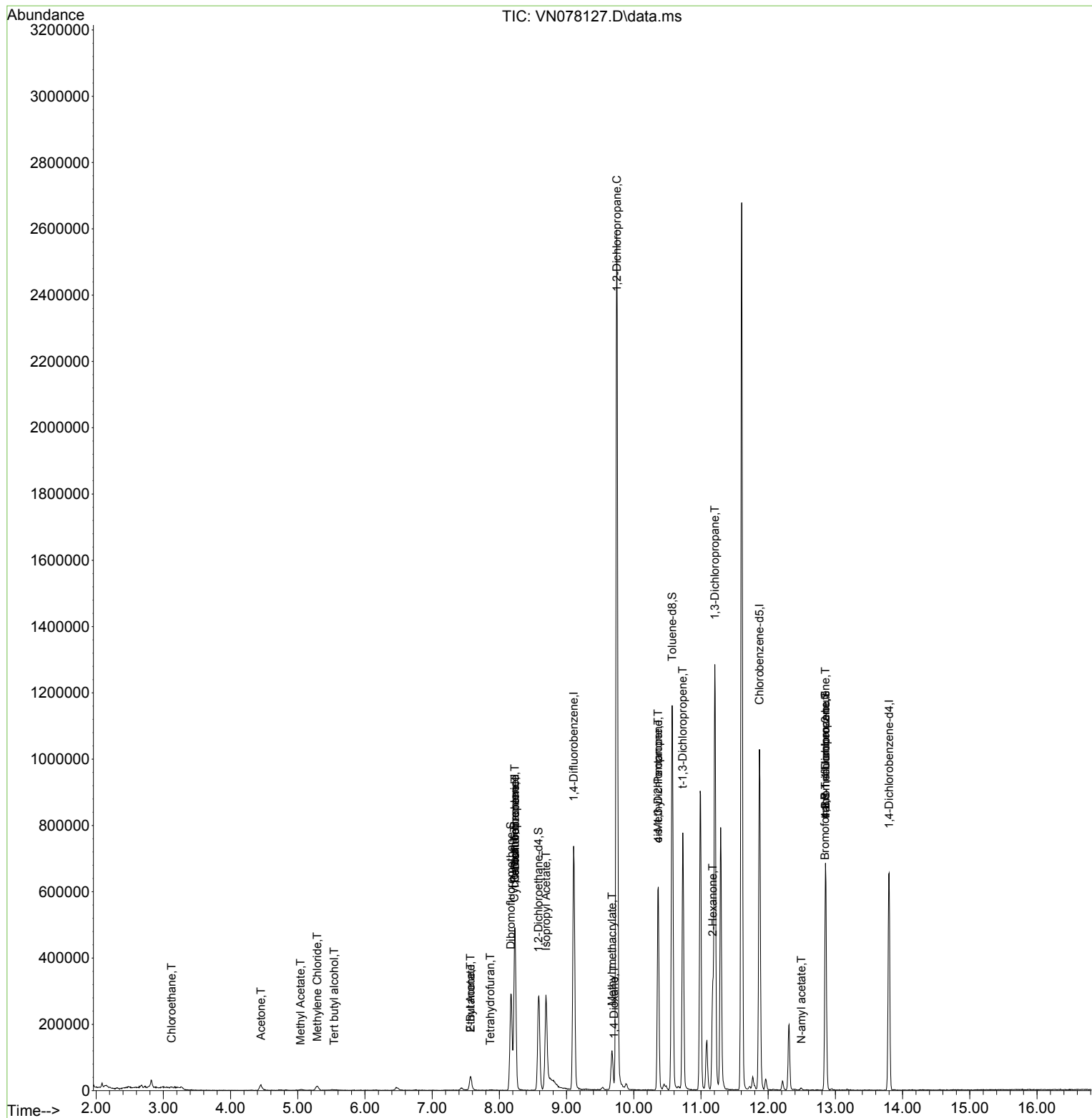
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

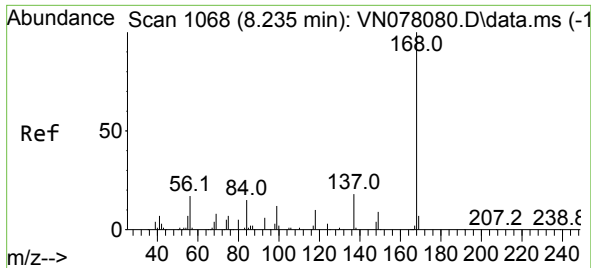
Internal Standards						
1) Pentafluorobenzene	8.230	168	354496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	654731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	612162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	186350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	243058	51.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.840%			
35) Dibromofluoromethane	8.171	113	210157	50.765	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	10.571	98	824917	51.689	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.380%			
62) 4-Bromofluorobenzene	12.853	95	245154	49.413	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.820%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	1038	Below Cal	#	86
6) Chloroethane	3.124	64	778	0.217	ug/l #	43
11) Tert butyl alcohol	5.541	59	345	0.529	ug/l #	72
16) Acetone	4.453	43	29883	21.965	ug/l	99
18) Methyl Acetate	5.042	43	4957	0.791	ug/l #	74
20) Methylene Chloride	5.289	84	9557	2.126	ug/l	93
25) 2-Butanone	7.571	43	63315	30.264	ug/l #	37
29) Tetrahydrofuran	7.865	42	787	0.563	ug/l #	25
31) Cyclohexane	8.224	56	4181	0.690	ug/l #	27
36) 1,1-Dichloropropene	8.235	75	30584	5.151	ug/l #	48
37) Ethyl Acetate	7.571	43	63315	13.649	ug/l	96
38) Carbon Tetrachloride	8.230	117	39202	6.252	ug/l #	16
43) Isopropyl Acetate	8.694	43	360947	40.686	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	3635	0.824	ug/l #	45
48) Methyl methacrylate	9.677	41	7522	2.020	ug/l #	30
49) 1,4-Dioxane	9.706	88	176	2.249	ug/l #	30
51) 4-Methyl-2-Pentanone	10.365	43	221877	47.495	ug/l #	41
53) t-1,3-Dichloropropene	10.729	75	2054	0.327	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	114700	16.510	ug/l #	68
57) 1,3-Dichloropropane	11.206	76	14230	1.991	ug/l #	43
59) 2-Hexanone	11.176	43	253027	77.787	ug/l #	19
71) Bromoform	12.847	173	1927	0.619	ug/l #	1
74) N-amyl acetate	12.494	43	3127	0.539	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.870	83	307	Below Cal	#	67
76) 1,2,3-Trichloropropane	12.853	75	128952	29.271	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	128952	89.931	ug/l #	15

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

Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

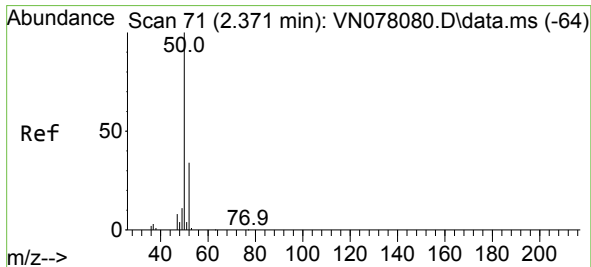
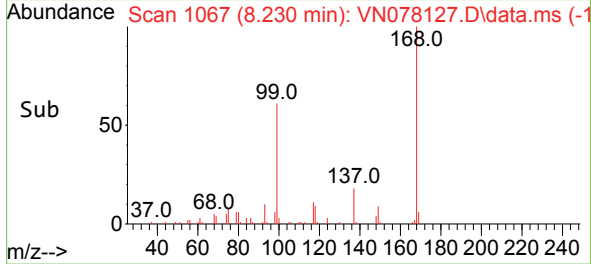
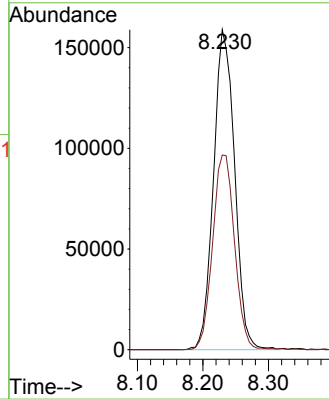
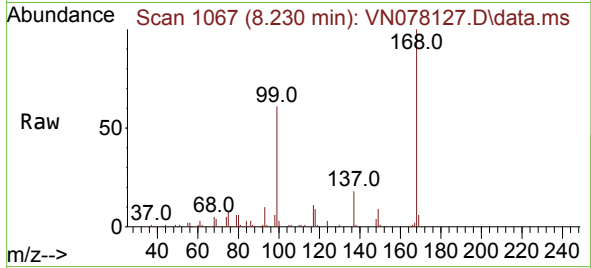




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

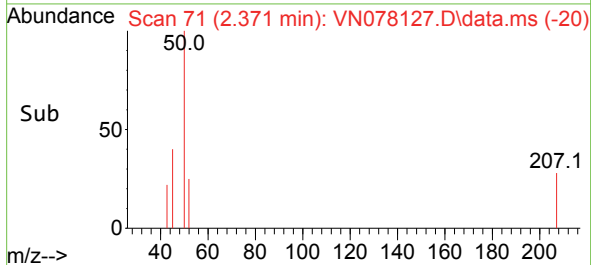
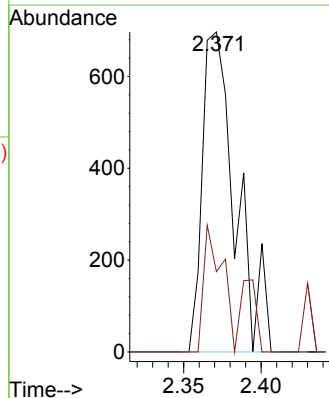
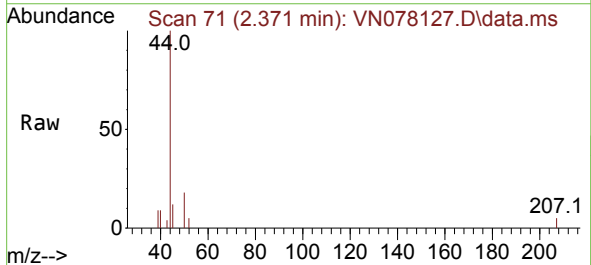
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

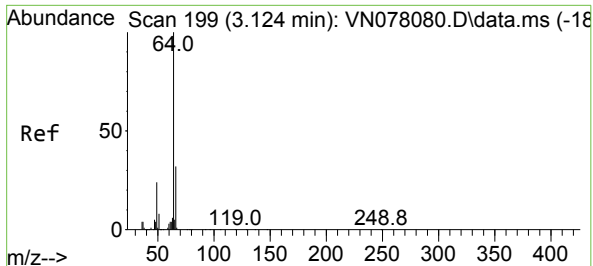
Tgt Ion:168 Resp: 354496
Ion Ratio Lower Upper
168 100
99 60.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 50 Resp: 1038
Ion Ratio Lower Upper
50 100
52 25.1 26.5 39.7#

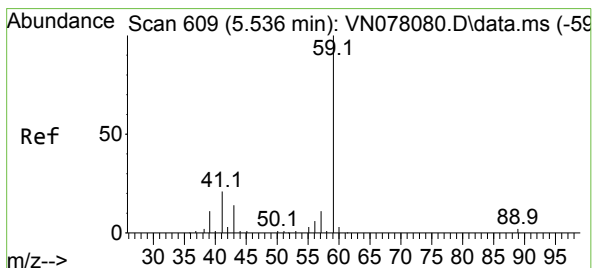
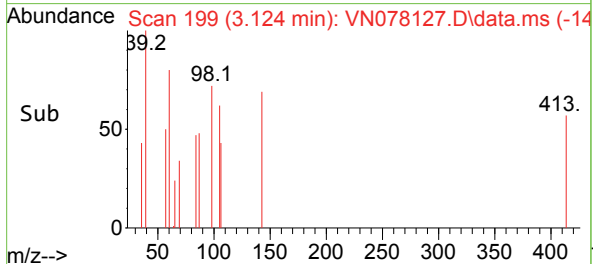
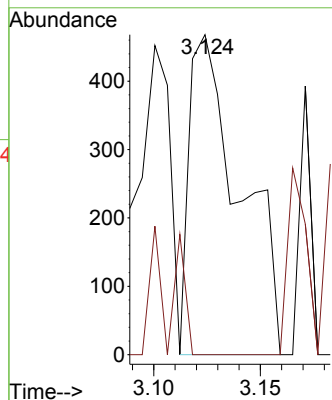
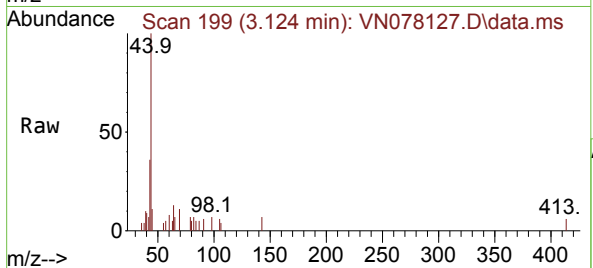




#6
Chloroethane
Concen: 0.217 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

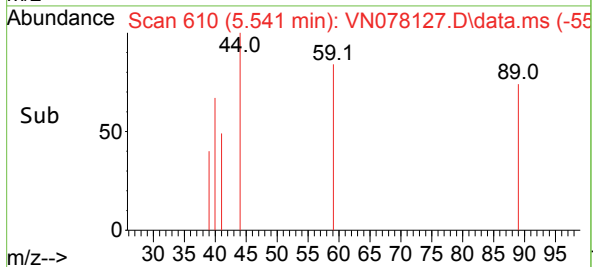
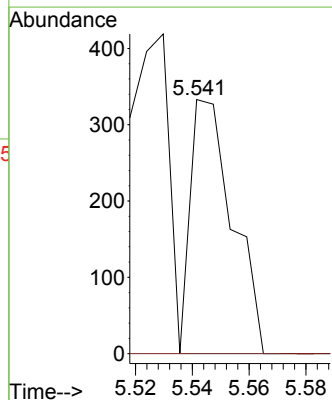
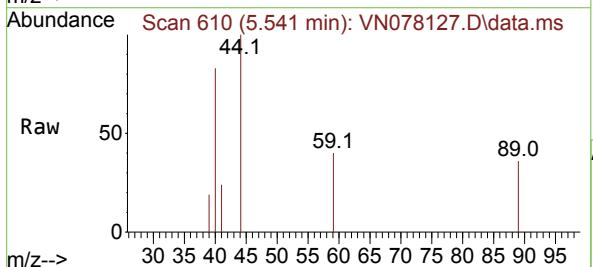
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

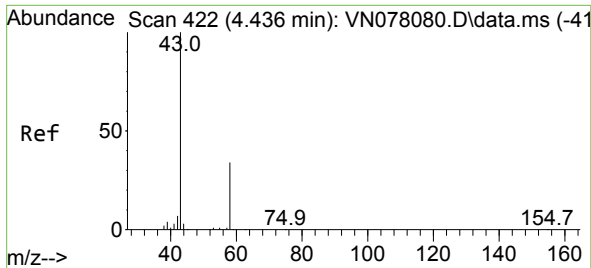
Tgt Ion: 64 Resp: 778
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.529 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

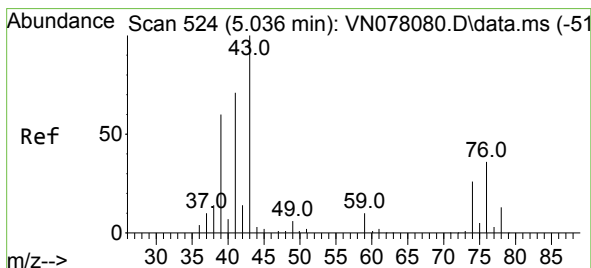
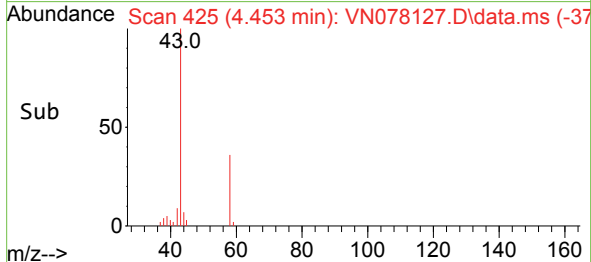
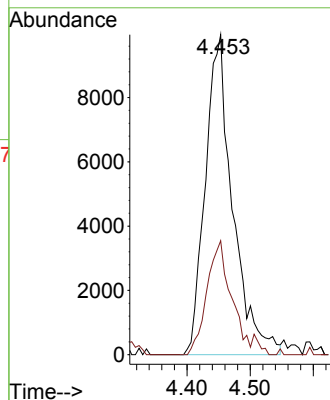
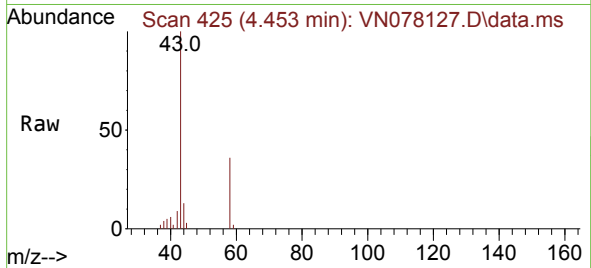




#16
Acetone
Concen: 21.965 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

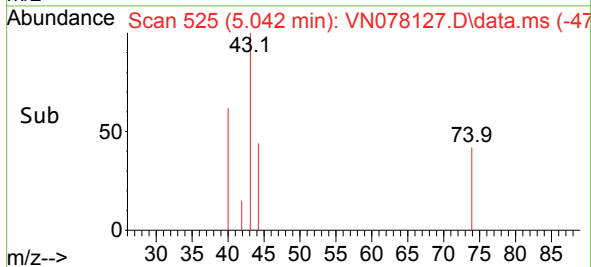
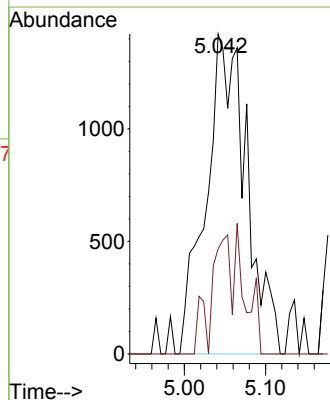
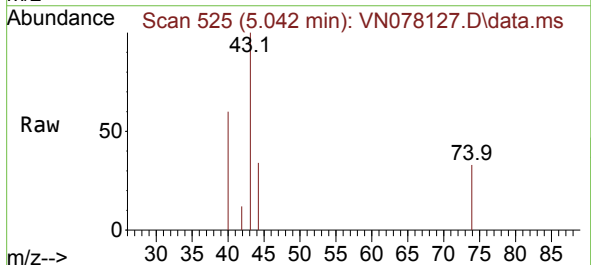
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

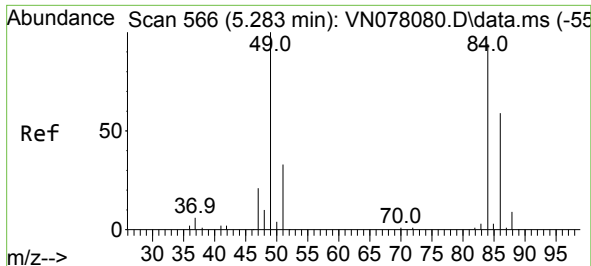
Tgt Ion: 43 Resp: 29883
Ion Ratio Lower Upper
43 100
58 35.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.791 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 43 Resp: 4957
Ion Ratio Lower Upper
43 100
74 18.2 26.2 39.4#

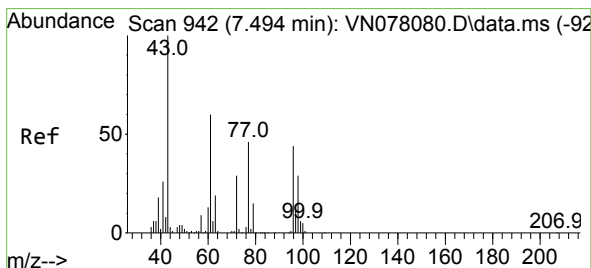
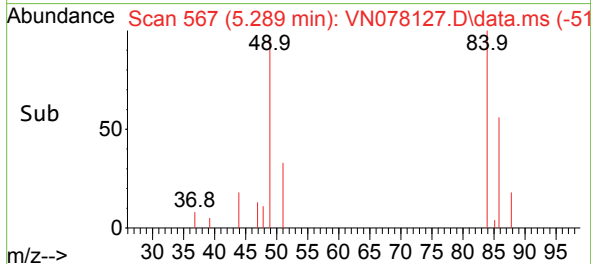
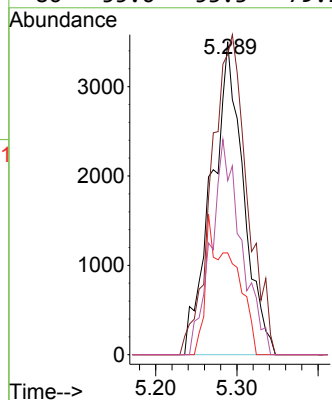
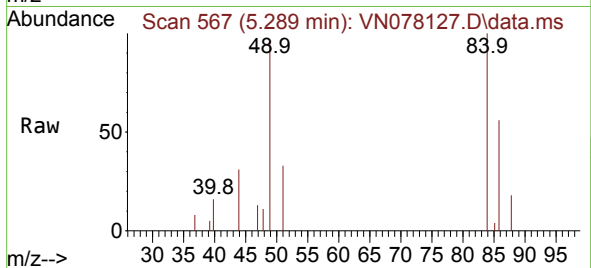




#20
Methylene Chloride
Concen: 2.126 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

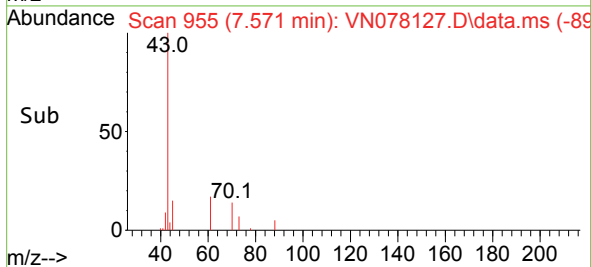
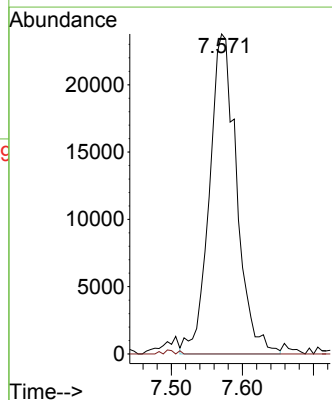
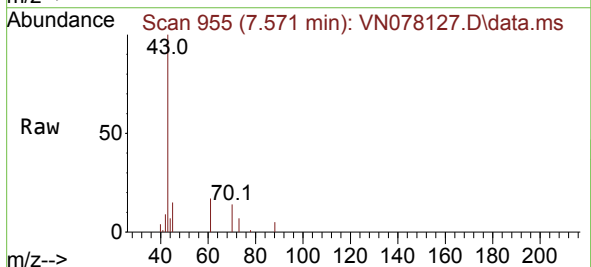
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

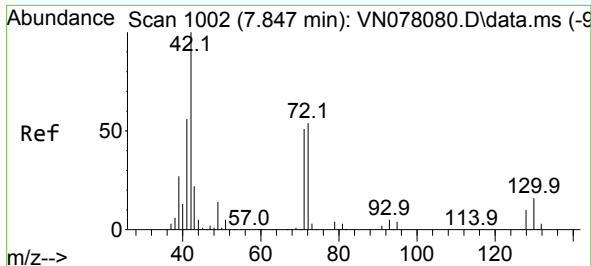
Tgt Ion: 84	Resp: 9557
Ion Ratio	Lower Upper
84 100	
49 95.9	79.7 119.5
51 32.5	25.2 37.8
86 55.6	53.3 79.9



#25
2-Butanone
Concen: 30.264 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.076 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 43	Resp: 63315
Ion Ratio	Lower Upper
43 100	
72 0.0	30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.563 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.018 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

PB153290TB

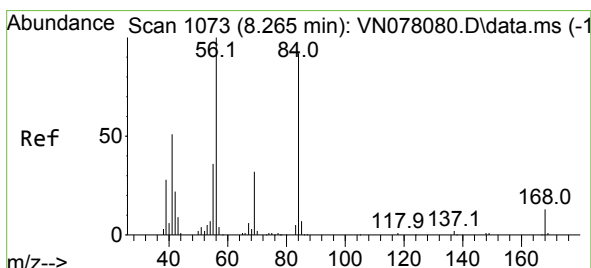
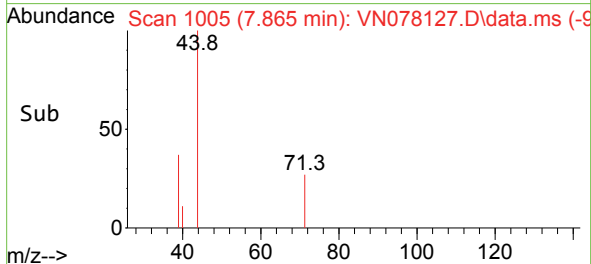
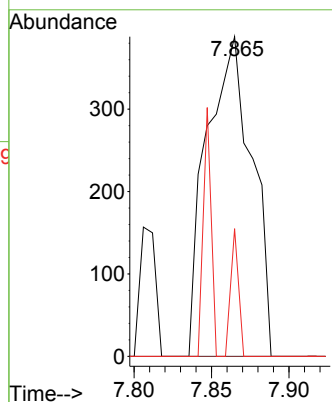
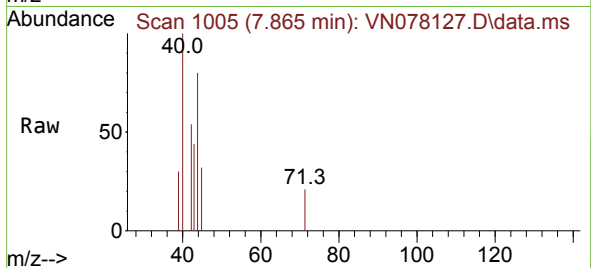
Tgt Ion: 42 Resp: 787

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 7.0 47.4 71.2#



#31

Cyclohexane

Concen: 0.690 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

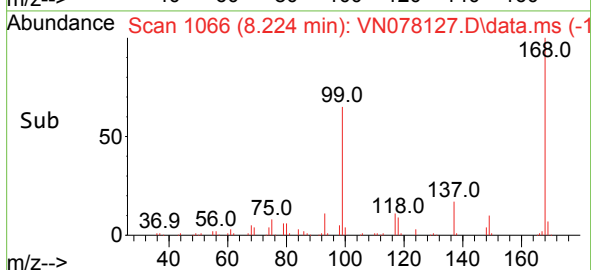
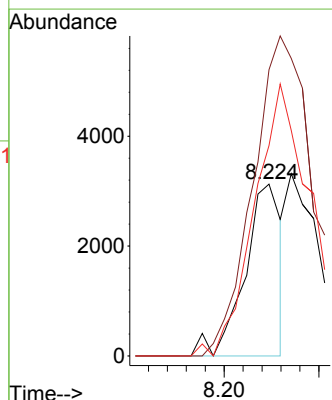
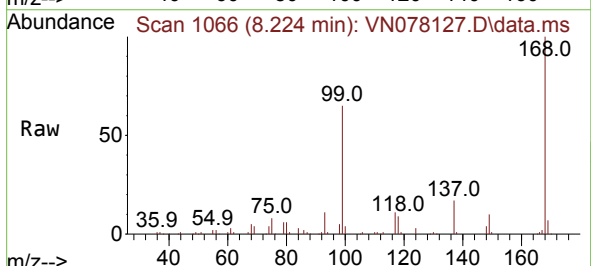
Tgt Ion: 56 Resp: 4181

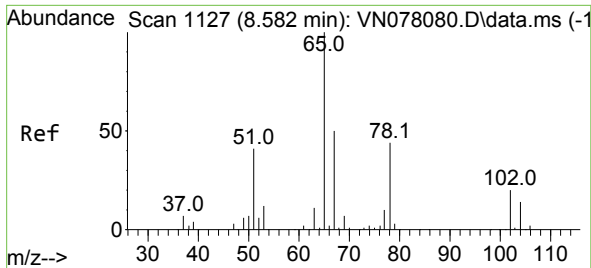
Ion Ratio Lower Upper

56 100

69 166.5 26.8 40.2#

84 122.4 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.424 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

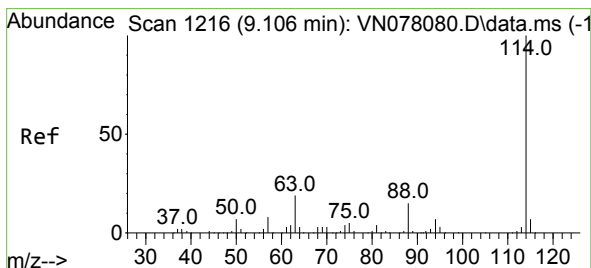
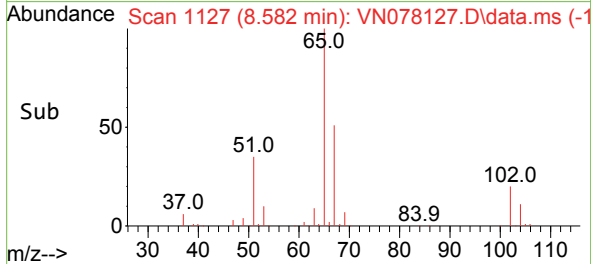
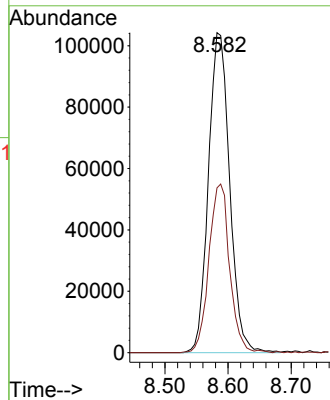
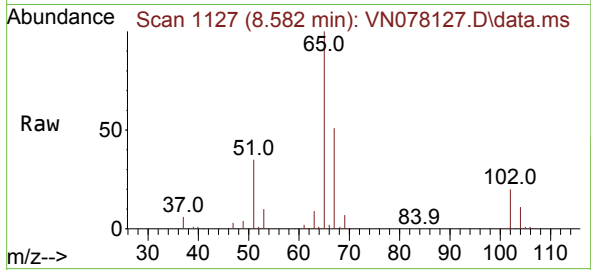
PB153290TB

Tgt Ion: 65 Resp: 243058

Ion Ratio Lower Upper

65 100

67 51.6 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: VN078127.D

Acq: 08 Jun 2023 14:12

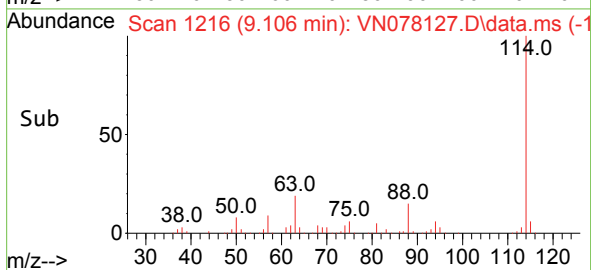
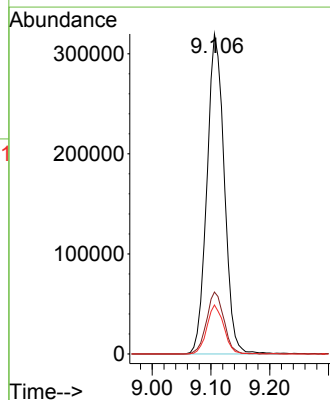
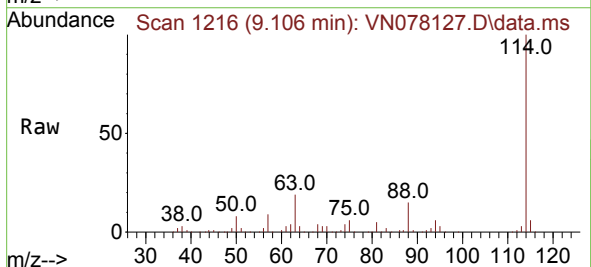
Tgt Ion: 114 Resp: 654731

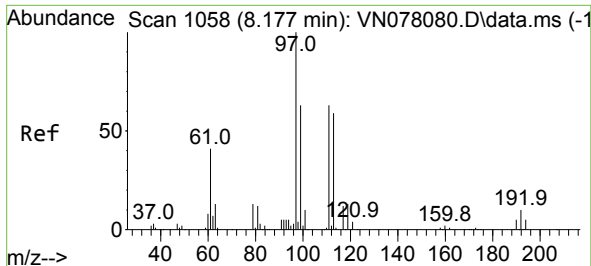
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.3 0.0 30.6

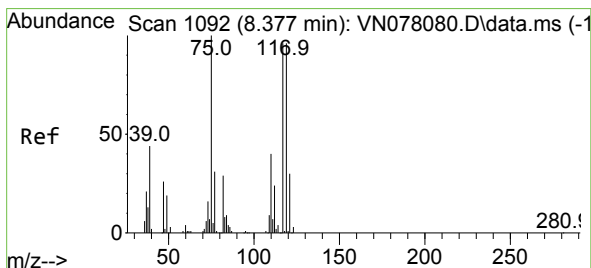
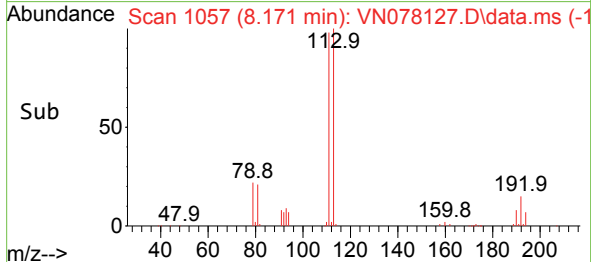
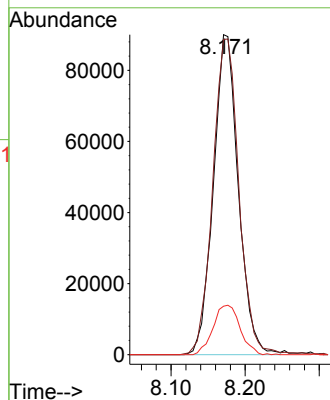
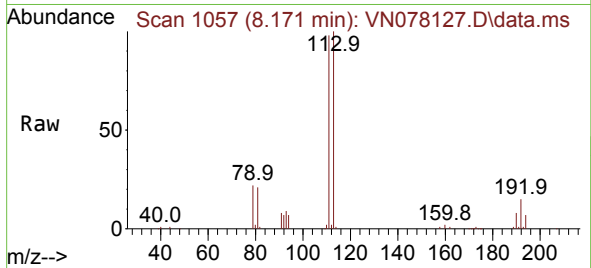




#35
Dibromofluoromethane
Concen: 50.765 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

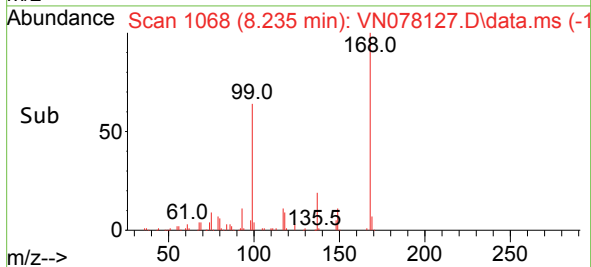
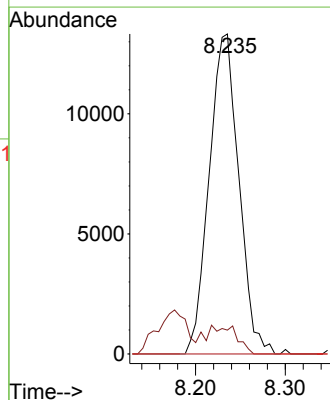
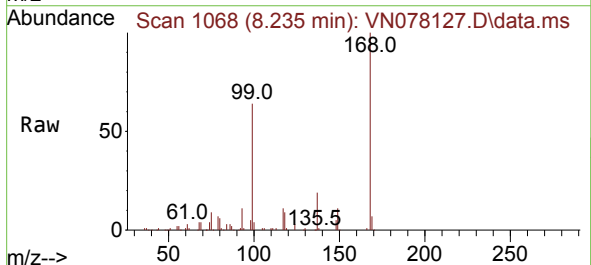
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

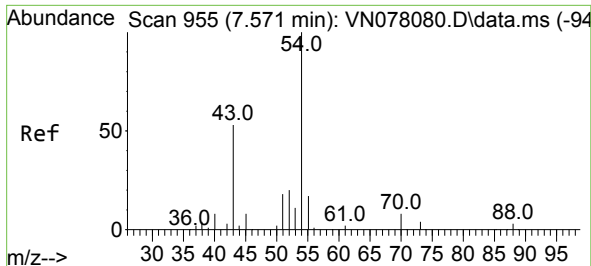
Tgt Ion:113 Resp: 210157
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.151 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 75 Resp: 30584
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 13.649 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

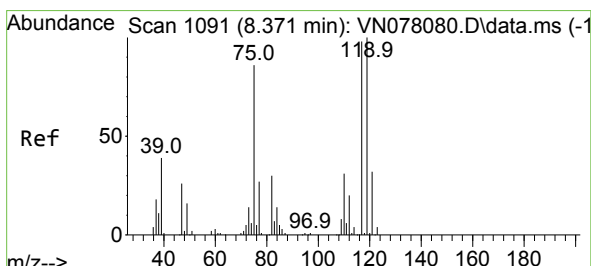
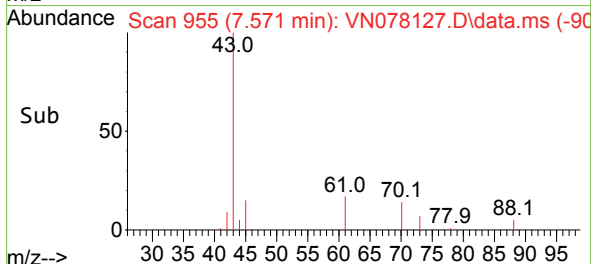
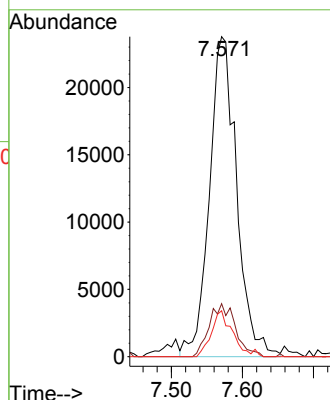
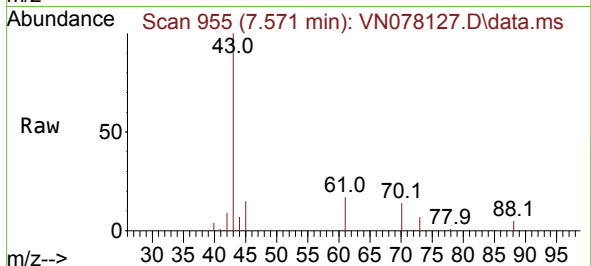
Instrument :

MSVOA_N

ClientSampleId :

PB153290TB

Tgt Ion:	43	Resp:	63315
Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.2	19.8
70	11.3	11.3	16.9



#38

Carbon Tetrachloride

Concen: 6.252 ug/l

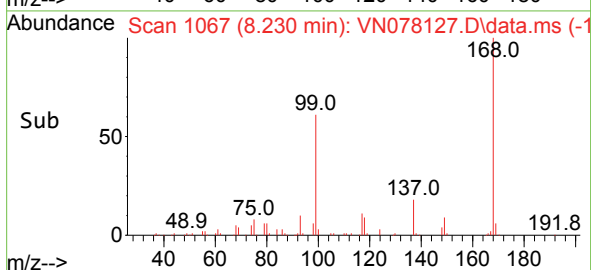
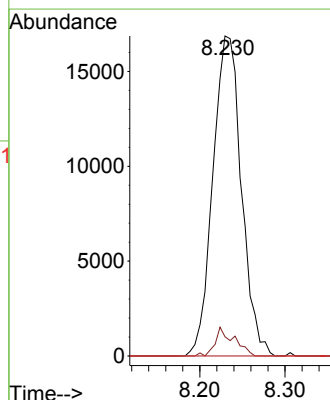
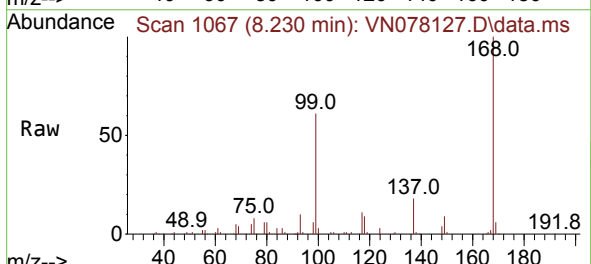
RT: 8.230 min Scan# 1067

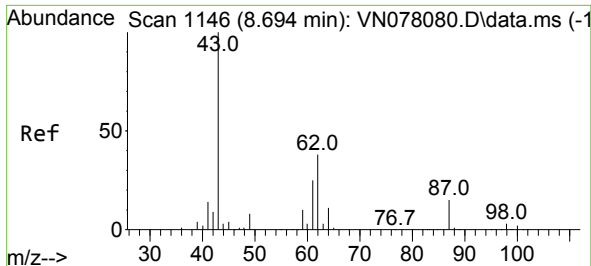
Delta R.T. -0.141 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

Tgt Ion:	117	Resp:	39202
Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.3	115.9#
121	0.0	23.3	34.9#

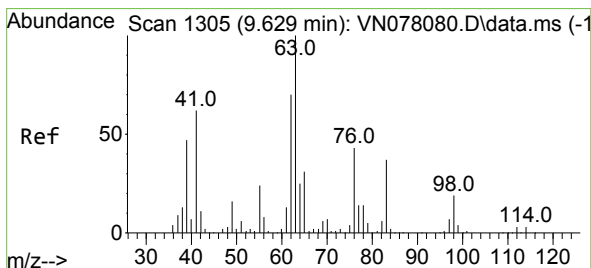
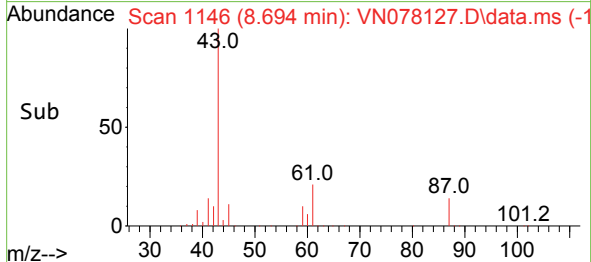
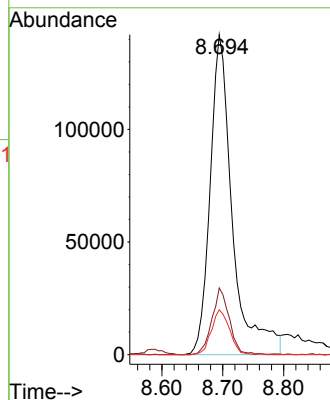
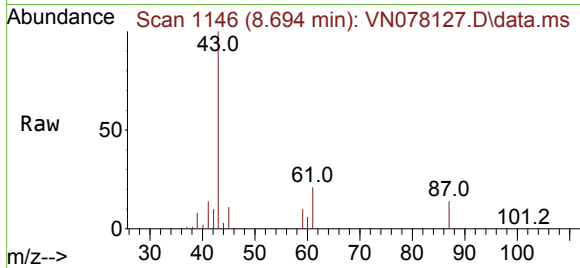




#43
Isopropyl Acetate
Concen: 40.686 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

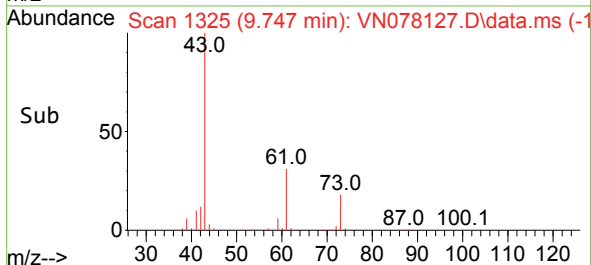
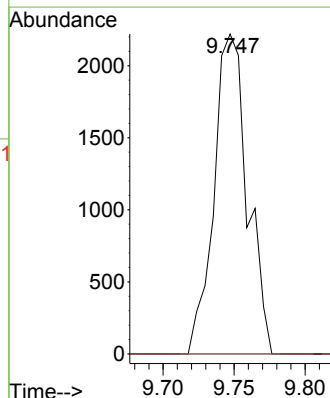
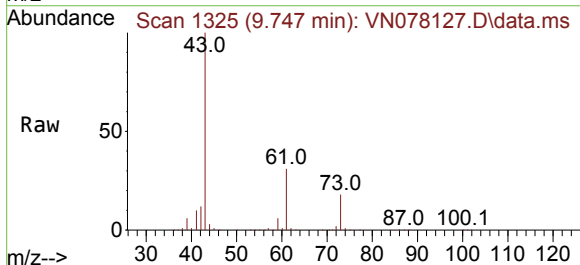
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

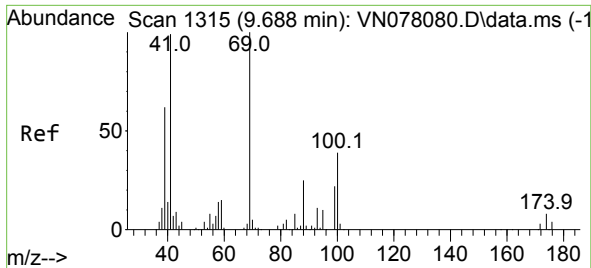
Tgt Ion: 43 Resp: 360947
Ion Ratio Lower Upper
43 100
61 16.2 24.7 37.1#
87 11.4 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.824 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.118 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 63 Resp: 3635
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

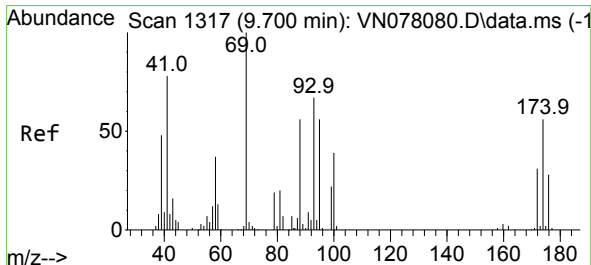
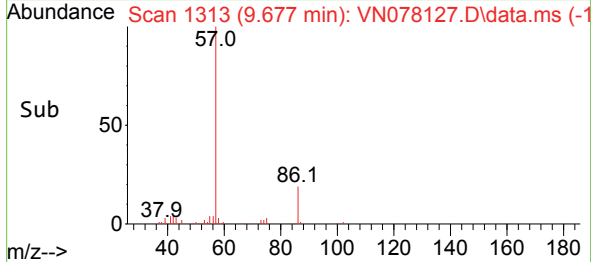
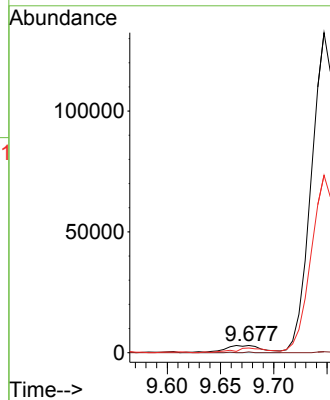
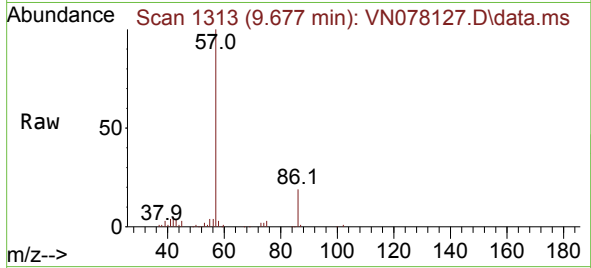




#48
Methyl methacrylate
Concen: 2.020 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

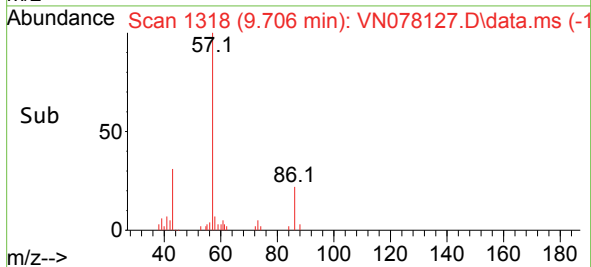
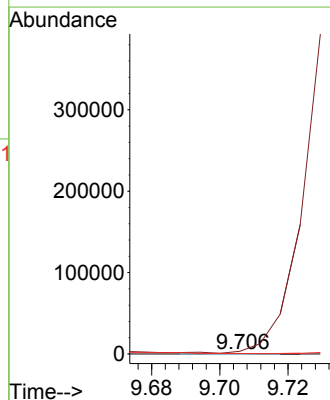
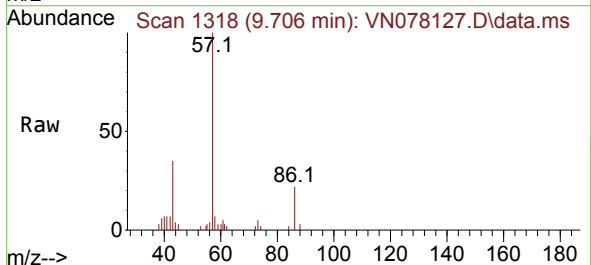
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

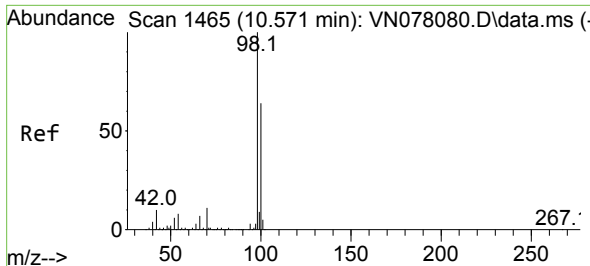
Tgt Ion: 41 Resp: 7522
Ion Ratio Lower Upper
41 100
69 1.5 90.4 135.6#
39 58.1 54.6 81.8



#49
1,4-Dioxane
Concen: 2.249 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

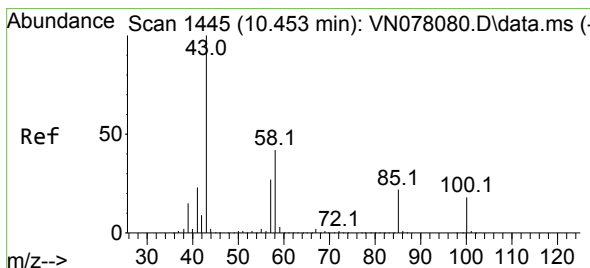
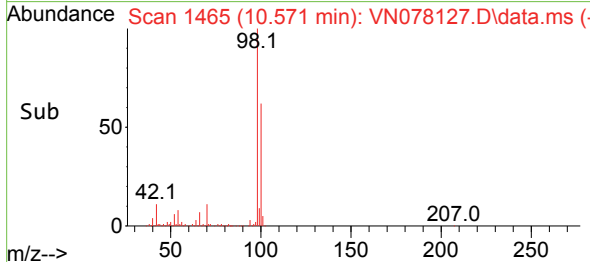
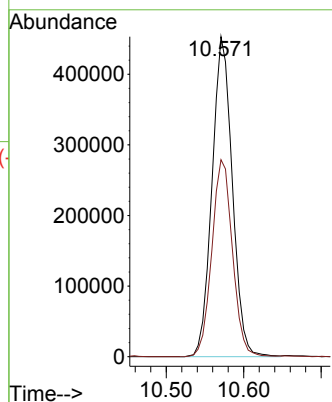
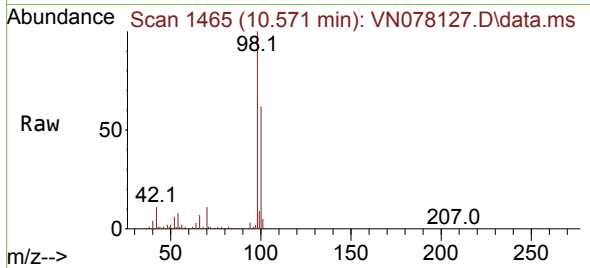




#50
Toluene-d8
Concen: 51.689 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

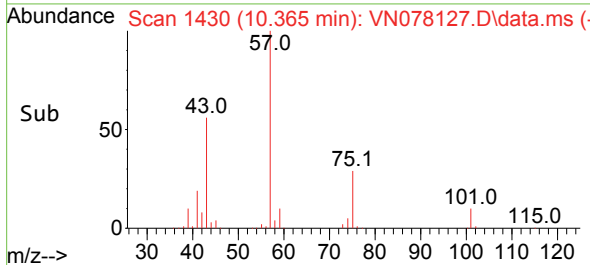
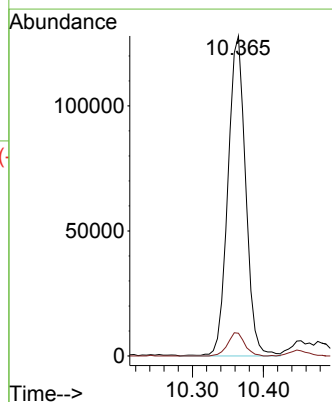
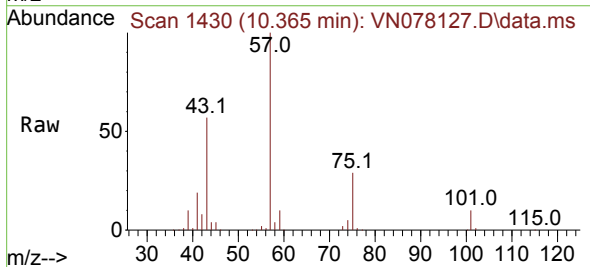
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

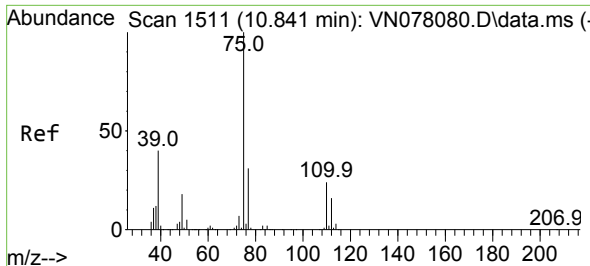
Tgt Ion: 98 Resp: 824917
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 47.495 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.088 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 43 Resp: 221877
Ion Ratio Lower Upper
43 100
58 7.0 36.6 54.8#

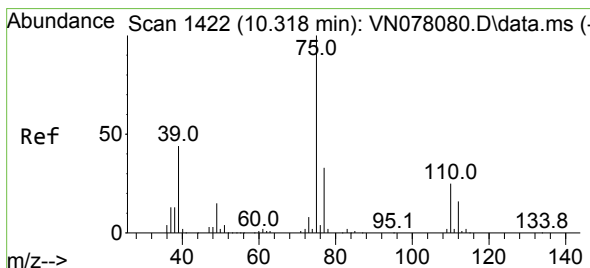
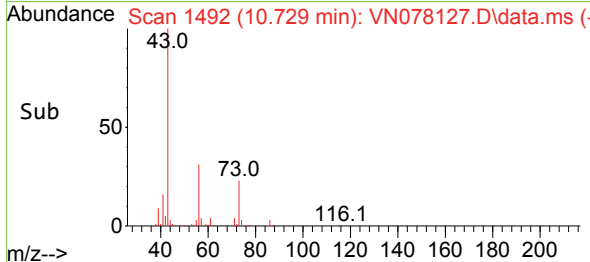
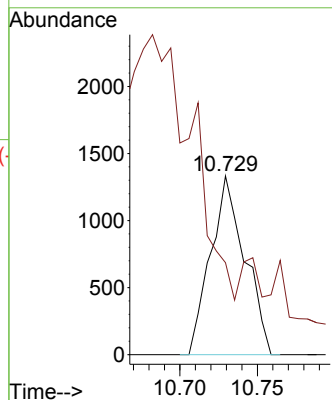
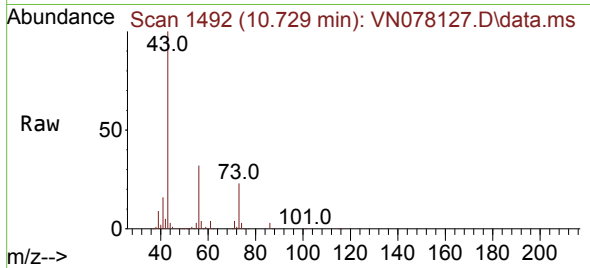




#53
t-1,3-Dichloropropene
Concen: 0.327 ug/l
RT: 10.729 min Scan# 141
Delta R.T. -0.112 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

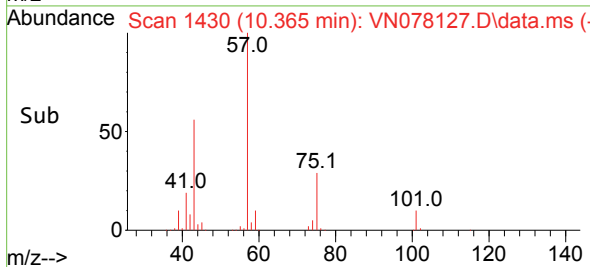
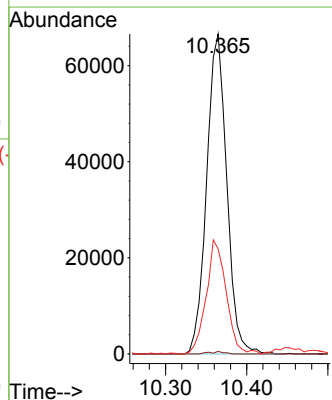
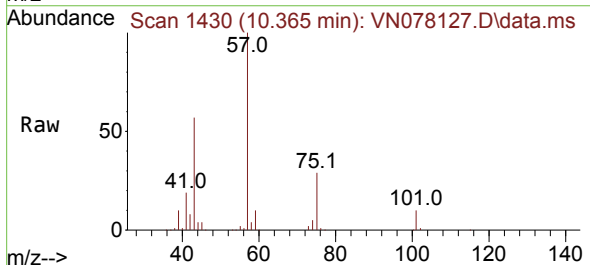
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

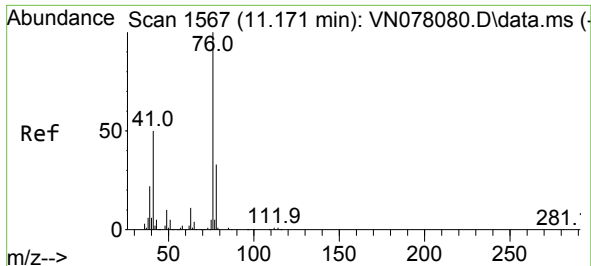
Tgt Ion: 75 Resp: 2054
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 16.510 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 75 Resp: 114700
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 32.8 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.991 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

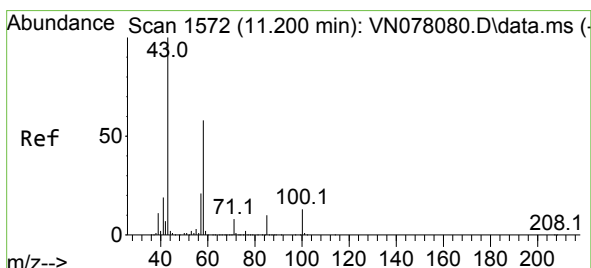
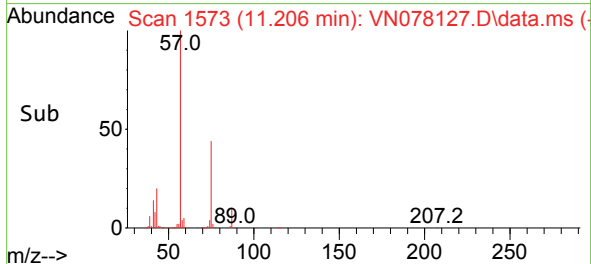
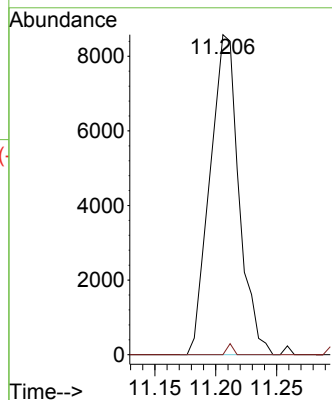
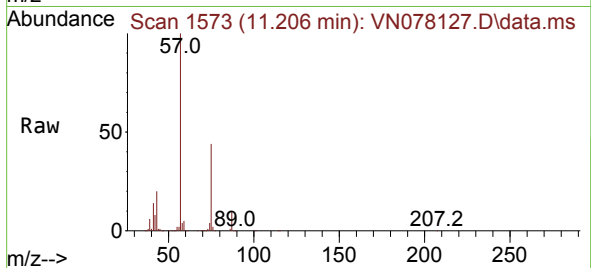
PB153290TB

Tgt Ion: 76 Resp: 14230

Ion Ratio Lower Upper

76 100

78 0.7 26.1 39.1#



#59

2-Hexanone

Concen: 77.787 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078127.D

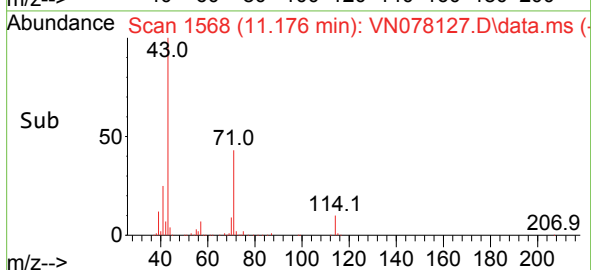
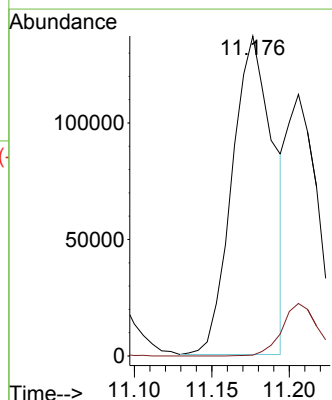
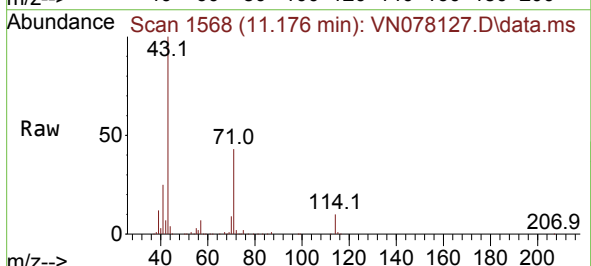
Acq: 08 Jun 2023 14:12

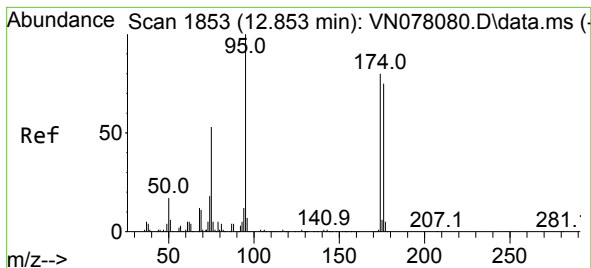
Tgt Ion: 43 Resp: 253027

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

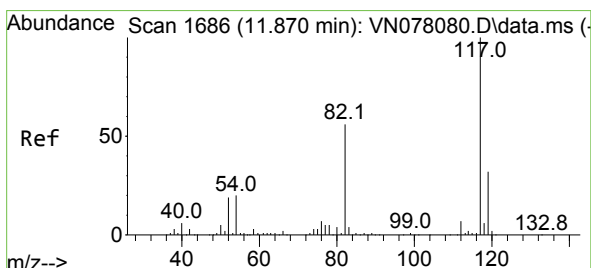
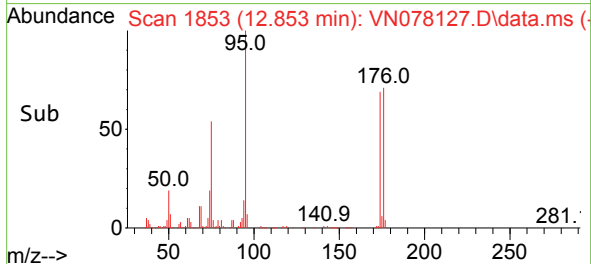
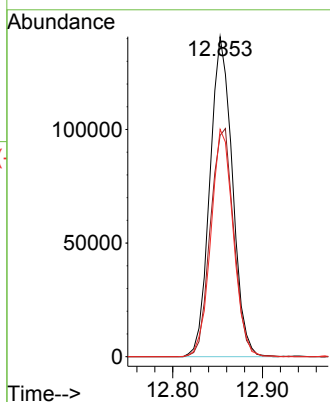
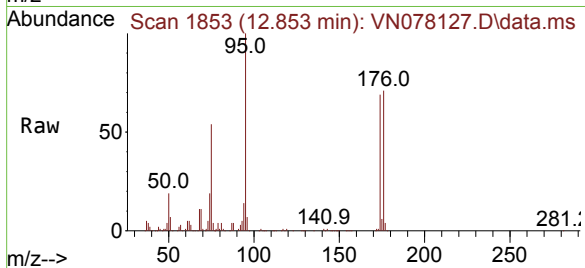




#62
4-Bromofluorobenzene
Concen: 49.413 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

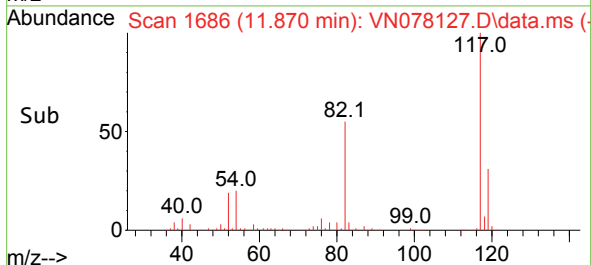
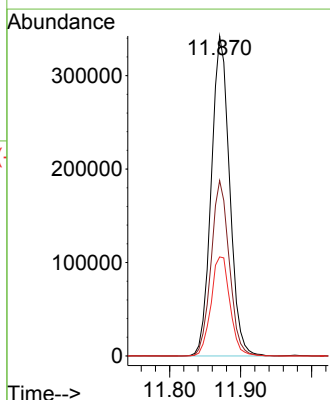
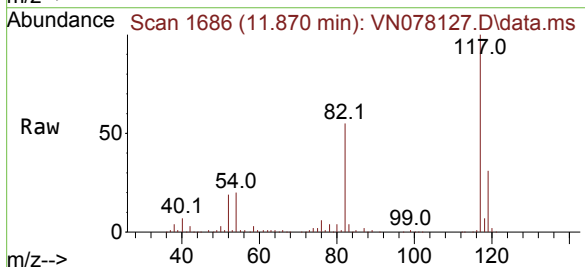
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

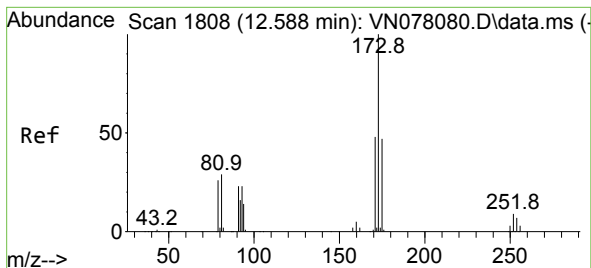
Tgt Ion: 95 Resp: 245154
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 70.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 117 Resp: 612162
Ion Ratio Lower Upper
117 100
82 54.8 44.0 66.0
119 31.0 25.6 38.4





#71

Bromoform

Concen: 0.619 ug/l

RT: 12.847 min Scan# 1808

Delta R.T. 0.259 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

PB153290TB

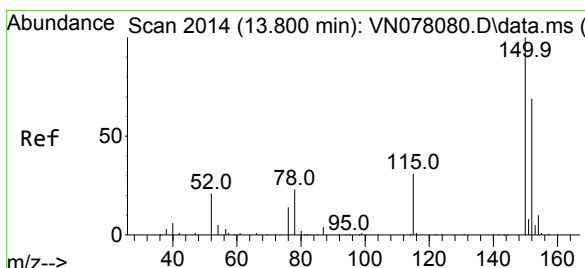
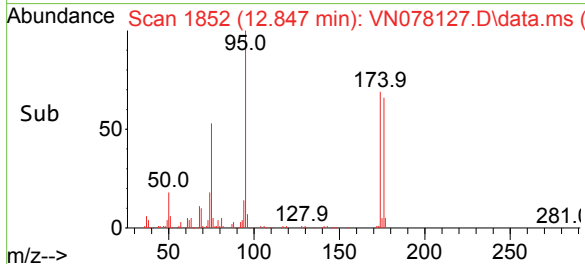
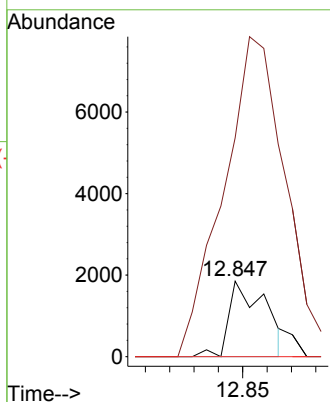
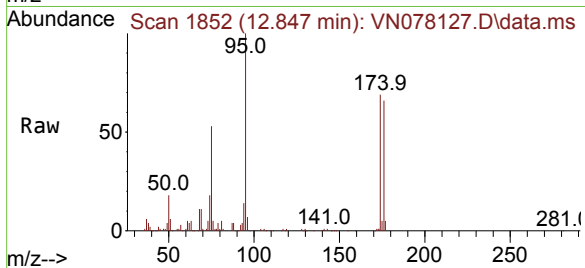
Tgt Ion:173 Resp: 1927

Ion Ratio Lower Upper

173 100

175 614.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

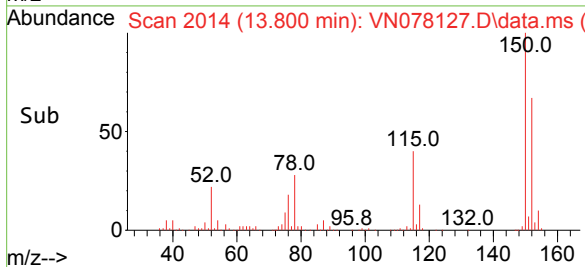
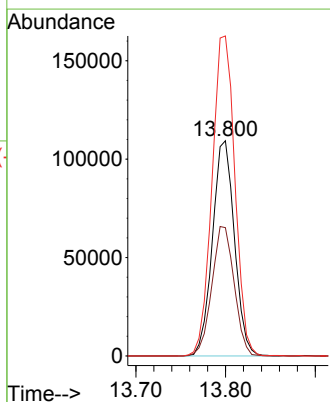
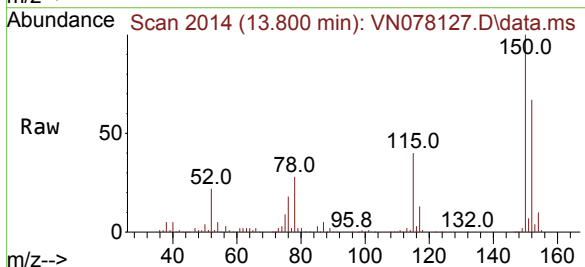
Tgt Ion:152 Resp: 186350

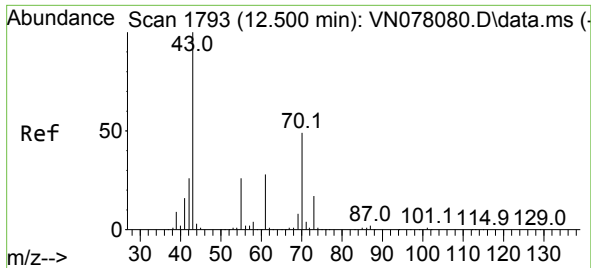
Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 154.0 0.0 355.8

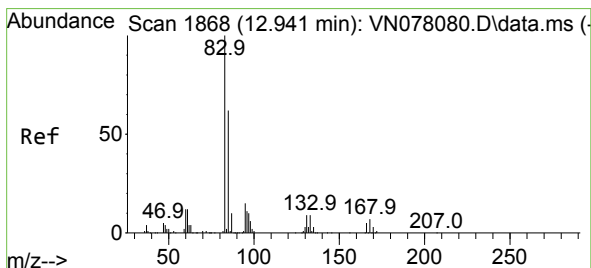
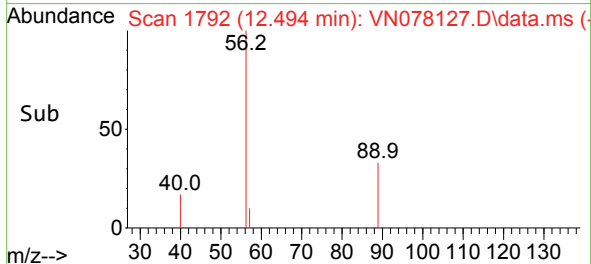
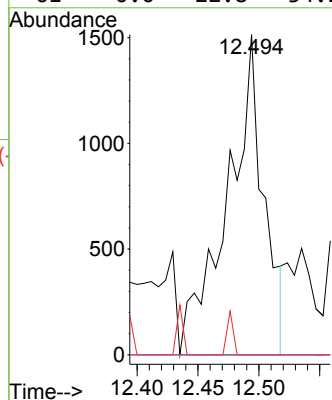
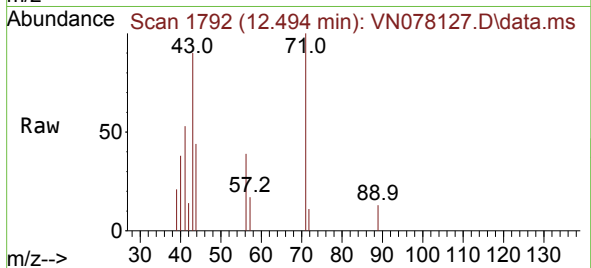




#74
N-amy1 acetate
Concen: 0.539 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

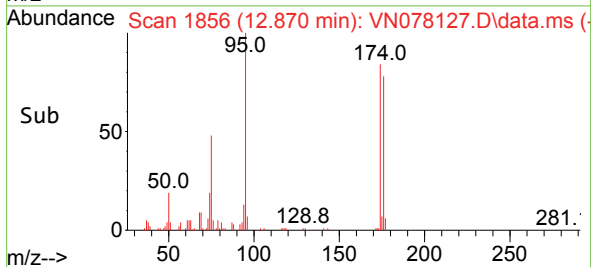
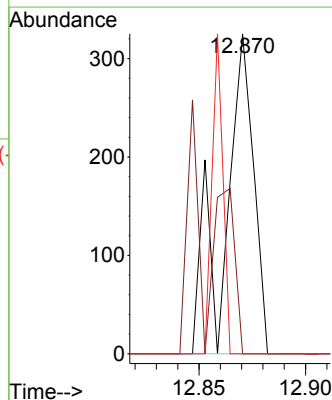
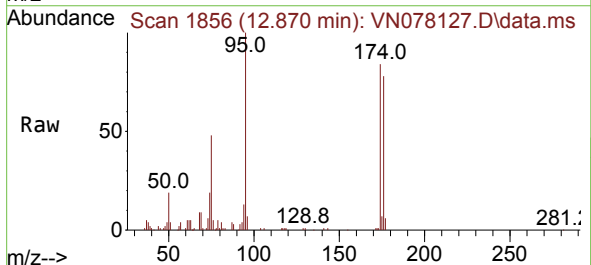
Instrument :
MSVOA_N
ClientSampleId :
PB153290TB

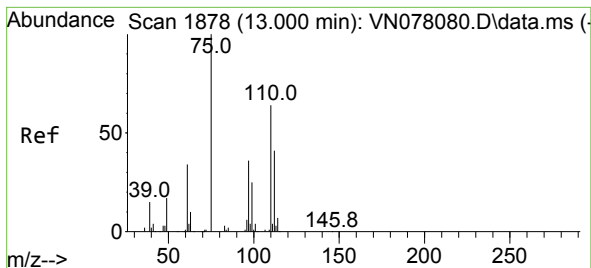
Tgt Ion: 43	Resp: 3127
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.870 min Scan# 1856
Delta R.T. -0.071 min
Lab File: VN078127.D
Acq: 08 Jun 2023 14:12

Tgt Ion: 83	Resp: 307		
Ion Ratio	Lower	Upper	
83 100			
131 0.0	5.0	15.0#	
85 37.5	31.9	95.7	





#76

1,2,3-Trichloropropane

Concen: 29.271 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

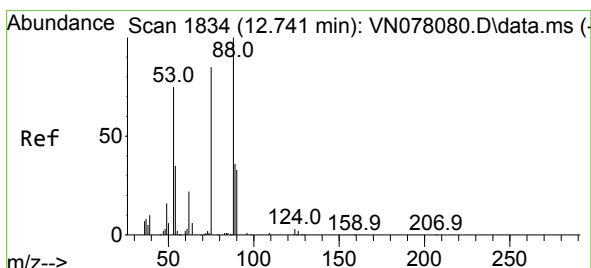
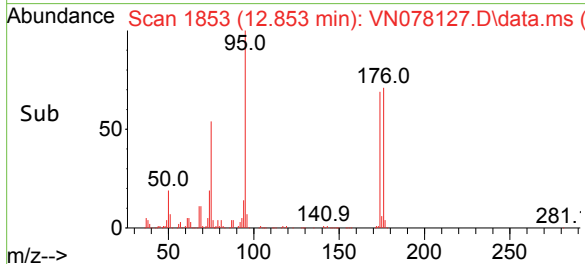
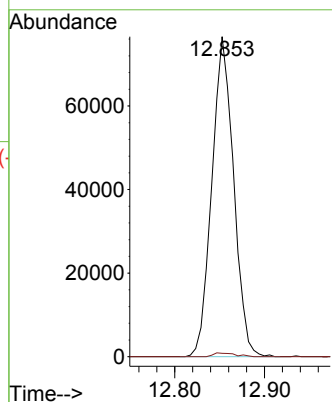
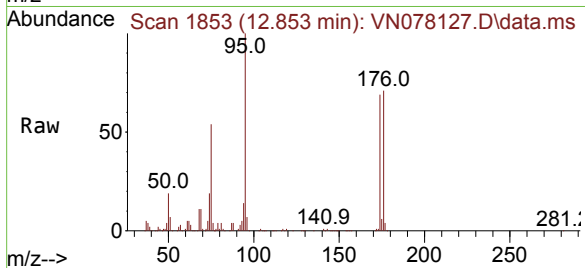
PB153290TB

Tgt Ion: 75 Resp: 128952

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.931 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078127.D

Acq: 08 Jun 2023 14:12

Tgt Ion: 75 Resp: 128952

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.1 38.8 58.2#

