

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078044.D
 Acq On : 05 Jun 2023 15:09
 Operator : JC\MD
 Sample : PB153198ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#05

Quant Time: Jun 06 02:02:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

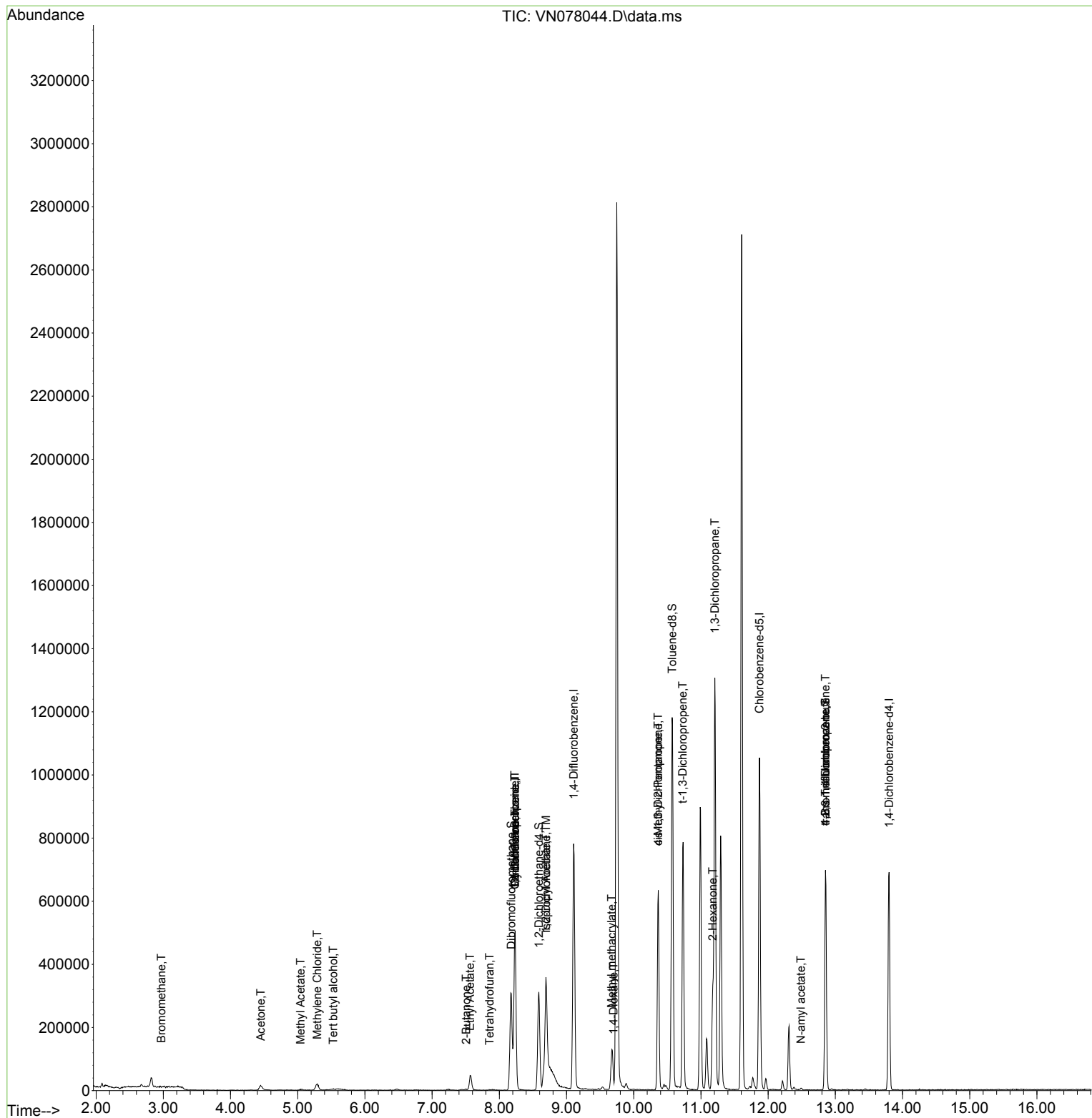
Internal Standards						
1) Pentafluorobenzene	8.236	168	367905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	691209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	622381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	256691	46.630	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.260%
35) Dibromofluoromethane	8.177	113	222492	49.363	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.720%
50) Toluene-d8	10.571	98	866166	49.926	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.860%
62) 4-Bromofluorobenzene	12.853	95	251272	41.009	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.020%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	782	Below Cal	#	65
5) Bromomethane	2.971	94	1122	0.287	ug/l #	71
11) Tert butyl alcohol	5.530	59	638	0.840	ug/l	98
13) Acrolein	4.183	56	303	Below Cal	#	40
16) Acetone	4.448	43	28324	16.354	ug/l	96
18) Methyl Acetate	5.042	43	4912	0.676	ug/l #	58
20) Methylene Chloride	5.289	84	15584	1.542	ug/l #	82
25) 2-Butanone	7.506	43	4462	1.647	ug/l #	86
29) Tetrahydrofuran	7.853	42	787	0.444	ug/l #	37
31) Cyclohexane	8.236	56	8088	1.081	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	31860	4.833	ug/l #	43
37) Ethyl Acetate	7.565	43	69094	11.759	ug/l	97
38) Carbon Tetrachloride	8.230	117	40583	6.096	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	2138	0.303	ug/l #	73
43) Isopropyl Acetate	8.694	43	467068	48.663	ug/l #	73
48) Methyl methacrylate	9.671	41	8222	1.807	ug/l #	3
49) 1,4-Dioxane	9.700	88	75	0.873	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	219855	38.536	ug/l #	41
53) t-1,3-Dichloropropene	10.730	75	2452	0.341	ug/l	93
54) cis-1,3-Dichloropropene	10.365	75	117618	14.826	ug/l #	65
57) 1,3-Dichloropropane	11.206	76	13925	1.689	ug/l #	42
59) 2-Hexanone	11.177	43	253752	60.133	ug/l #	19
74) N-amyl acetate	12.488	43	2299	0.372	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	133415	27.433	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	133415	87.690	ug/l #	15

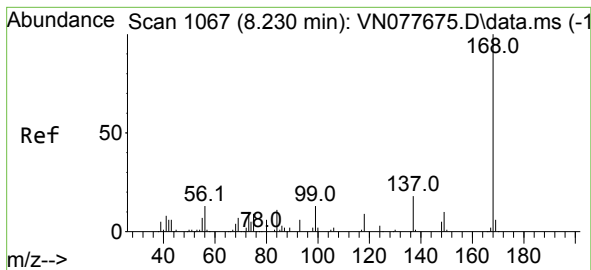
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
Data File : VN078044.D
Acq On : 05 Jun 2023 15:09
Operator : JC\MD
Sample : PB153198ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

Quant Time: Jun 06 02:02:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078044.D

Acq: 05 Jun 2023 15:09

Instrument :

MSVOA_N

ClientSampleId :

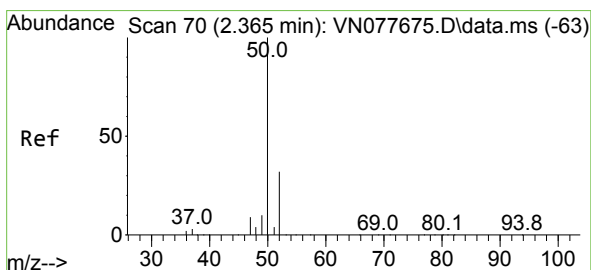
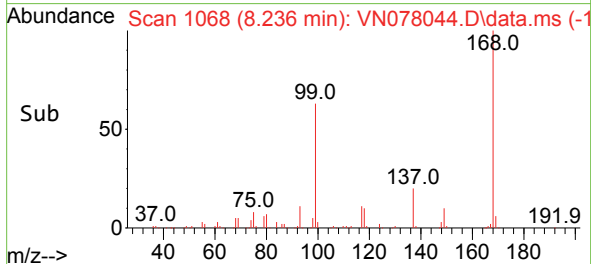
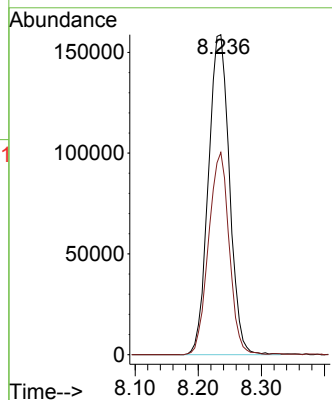
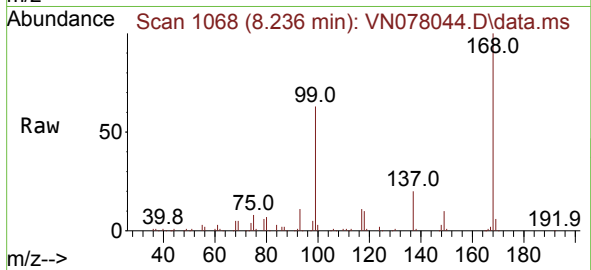
PB153198ZHE#05

Tgt Ion:168 Resp: 367905

Ion Ratio Lower Upper

168 100

99 63.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN078044.D

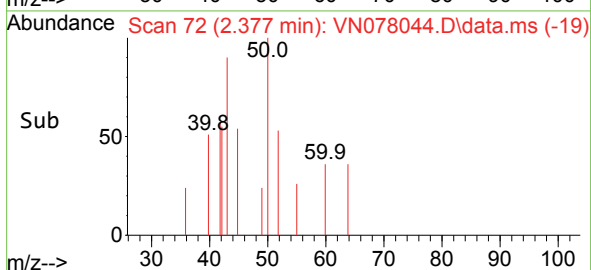
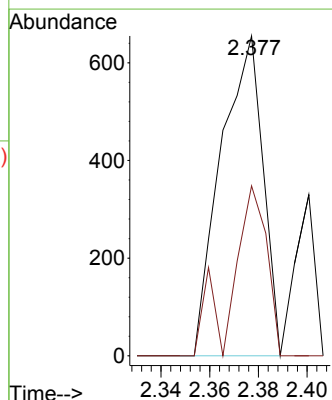
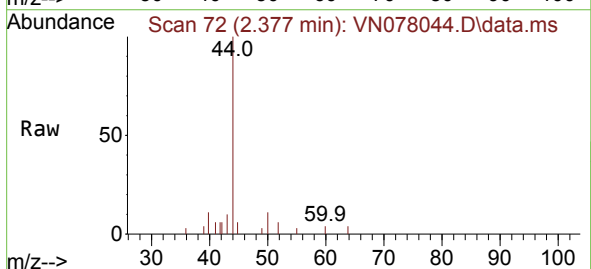
Acq: 05 Jun 2023 15:09

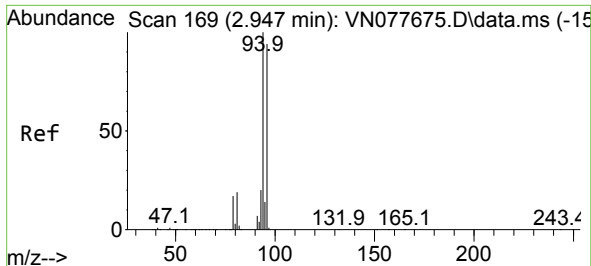
Tgt Ion: 50 Resp: 782

Ion Ratio Lower Upper

50 100

52 53.1 26.5 39.7#

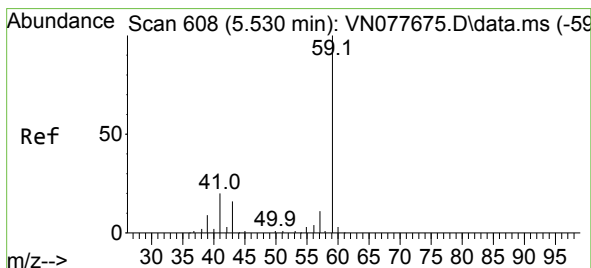
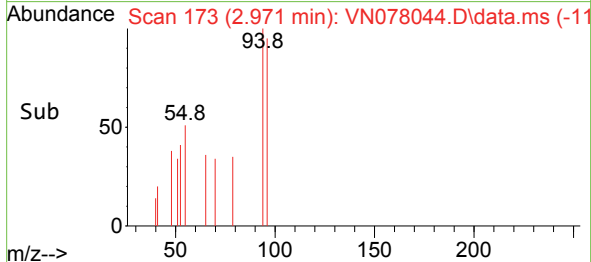
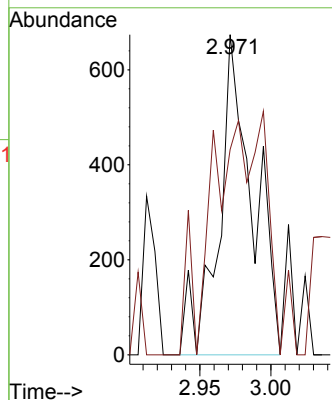
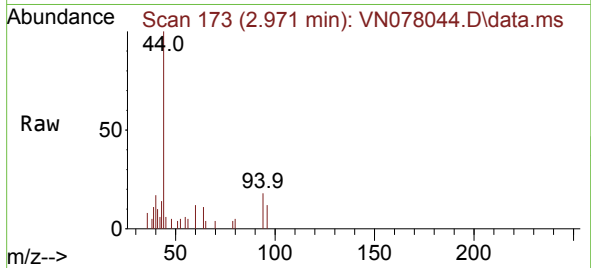




#5
Bromomethane
Concen: 0.287 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

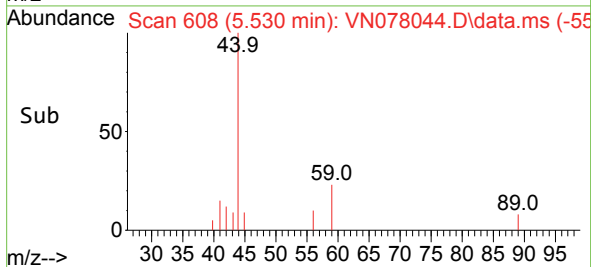
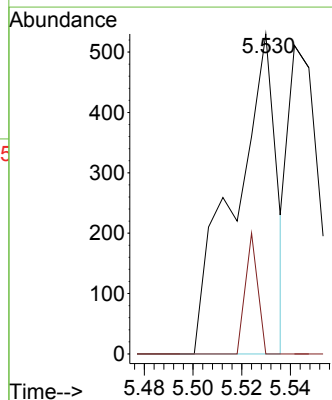
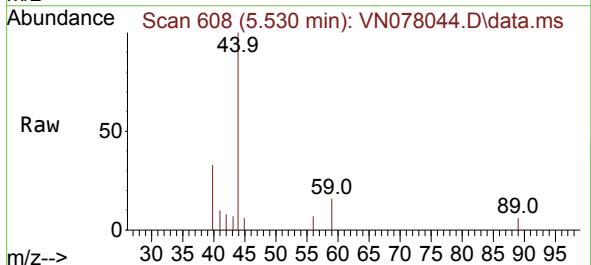
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

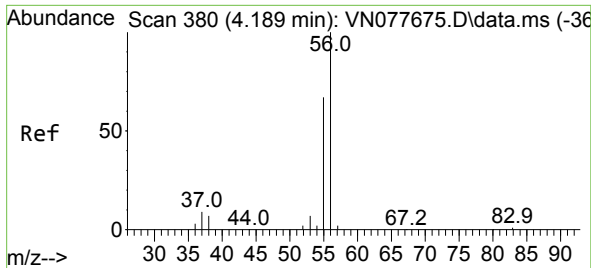
Tgt Ion: 94 Resp: 1122
Ion Ratio Lower Upper
94 100
96 64.1 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.840 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion: 59 Resp: 638
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.4

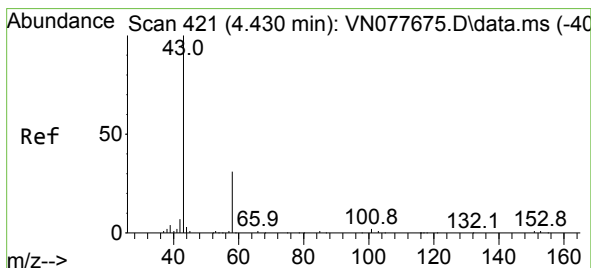
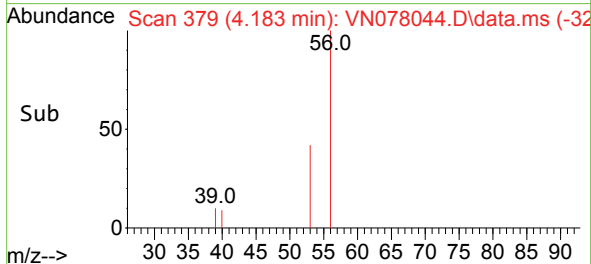
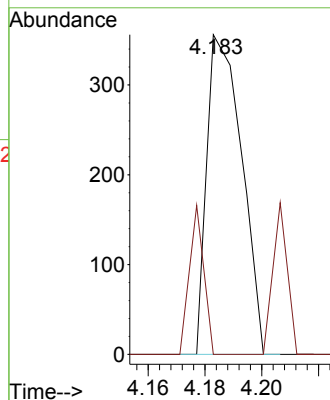
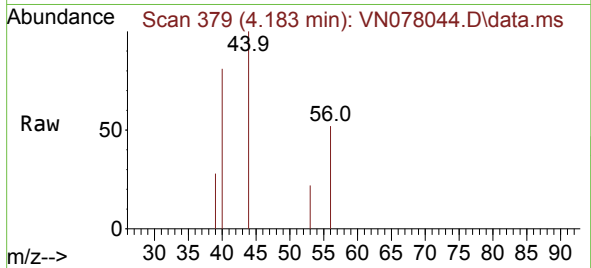




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

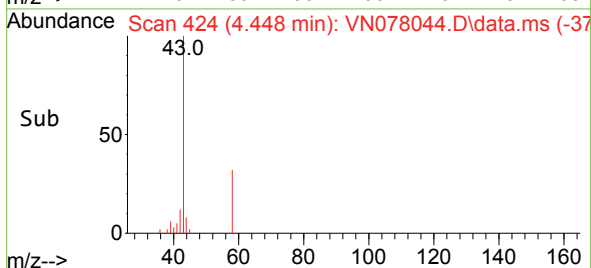
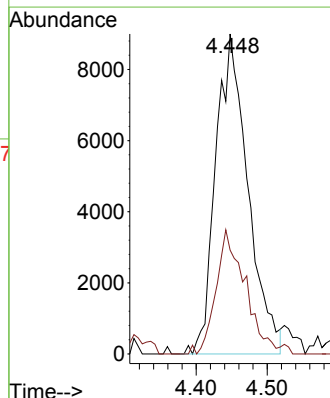
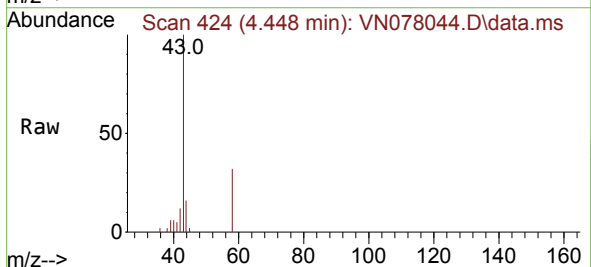
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

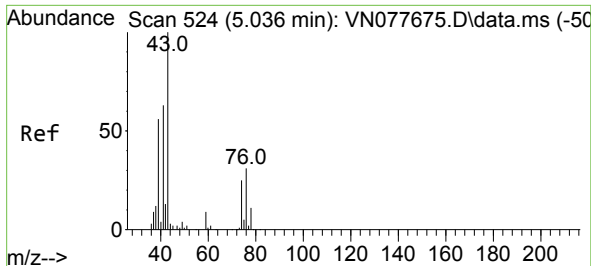
Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 19.5 54.5 81.7#



#16
Acetone
Concen: 16.354 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion: 43 Resp: 28324
Ion Ratio Lower Upper
43 100
58 32.4 28.0 42.0

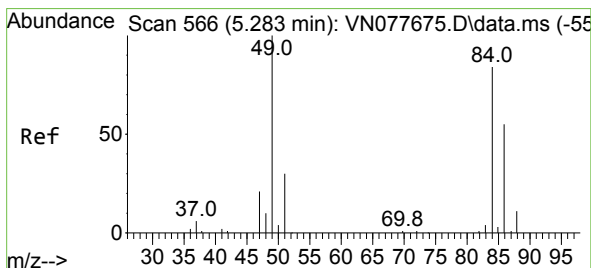
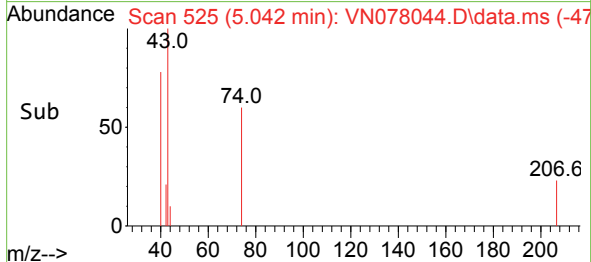
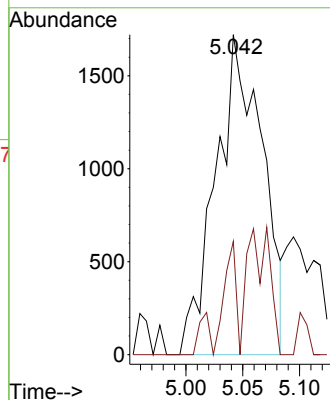
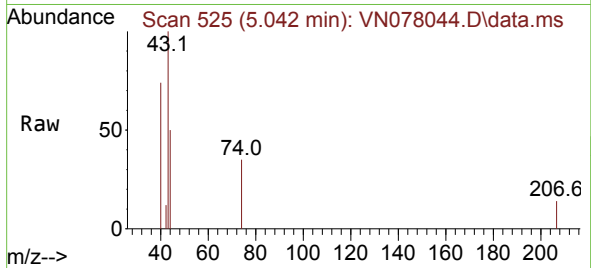




#18
Methyl Acetate
Concen: 0.676 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

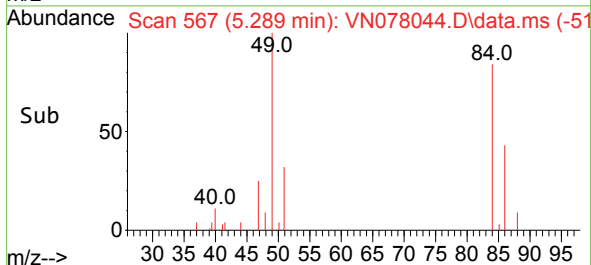
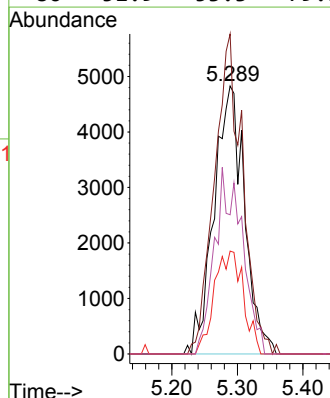
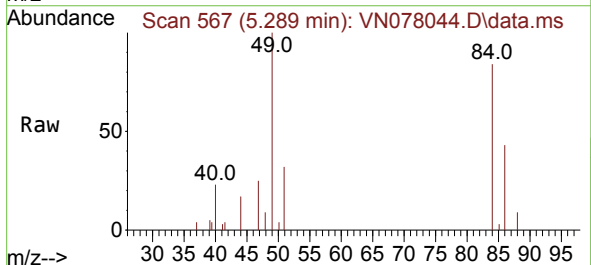
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

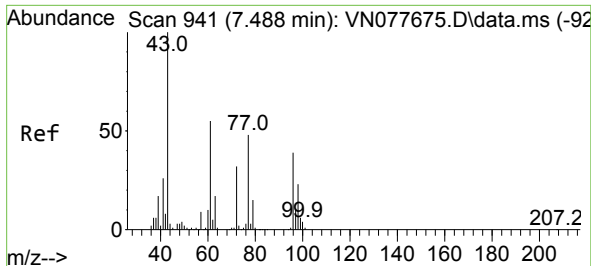
Tgt Ion: 43 Resp: 4912
Ion Ratio Lower Upper
43 100
74 8.9 26.2 39.4#



#20
Methylene Chloride
Concen: 1.542 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion: 84 Resp: 15584
Ion Ratio Lower Upper
84 100
49 119.4 79.7 119.5
51 38.4 25.2 37.8#
86 51.9 53.3 79.9#

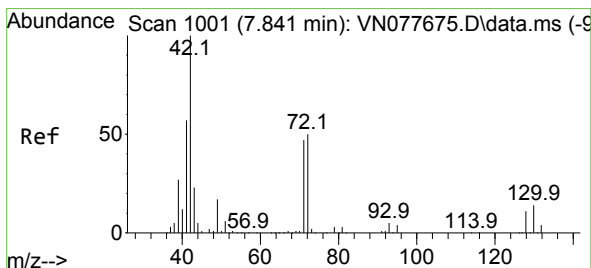
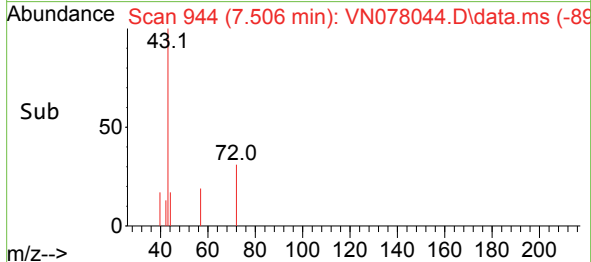
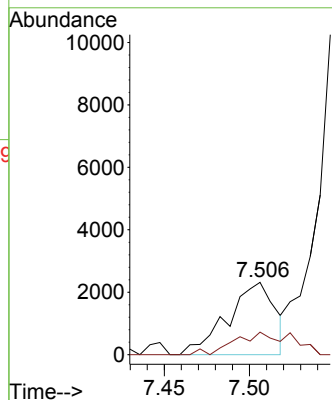
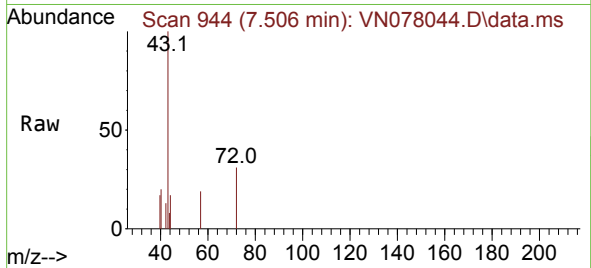




#25
2-Butanone
Concen: 1.647 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

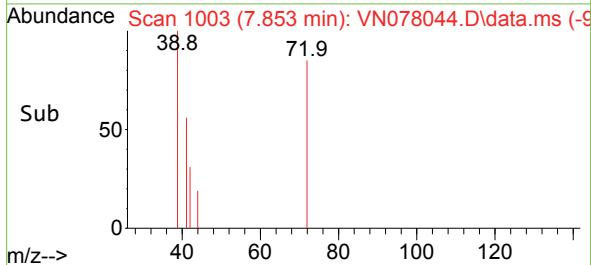
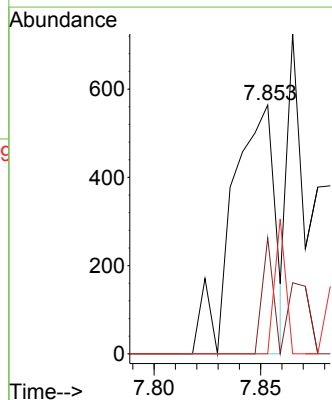
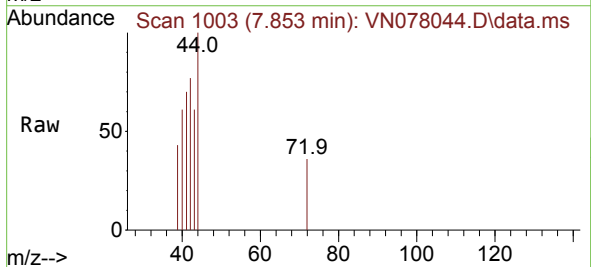
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

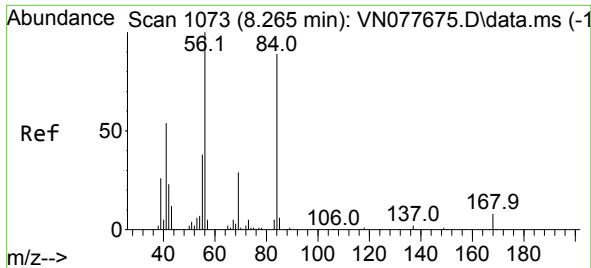
Tgt Ion: 43 Resp: 4462
Ion Ratio Lower Upper
43 100
72 29.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.444 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

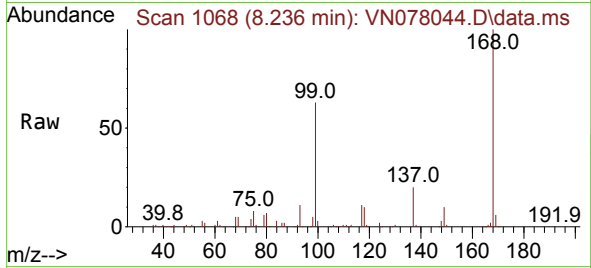
Tgt Ion: 42 Resp: 787
Ion Ratio Lower Upper
42 100
72 11.8 49.8 74.6#
71 13.7 47.4 71.2#



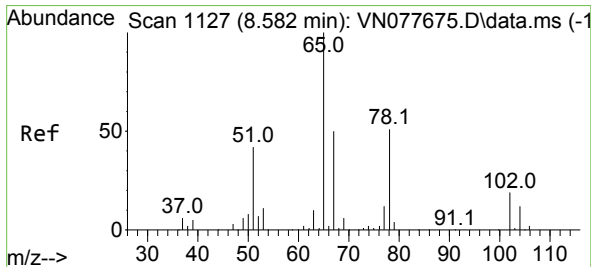
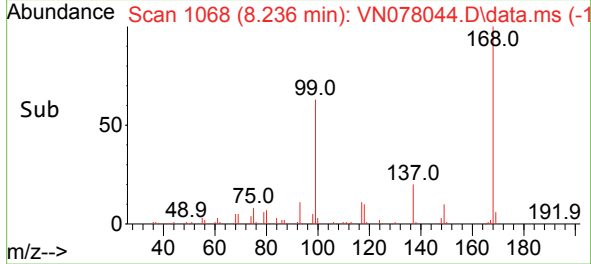
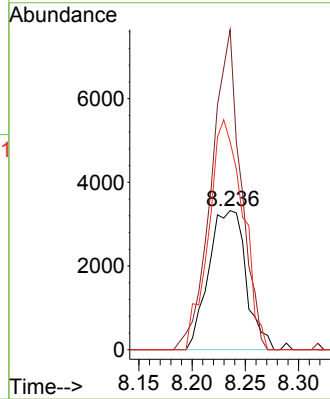


#31
Cyclohexane
Concen: 1.081 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

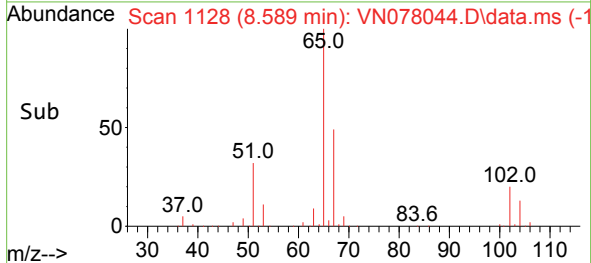
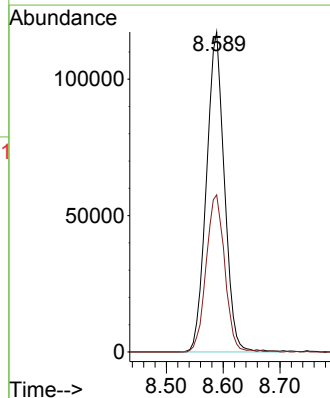
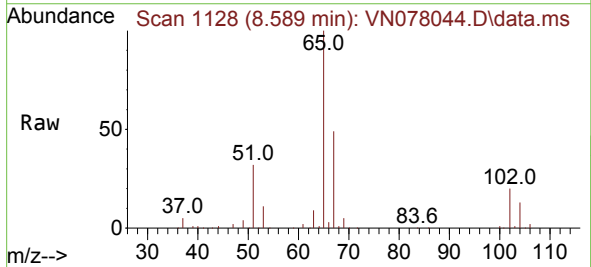


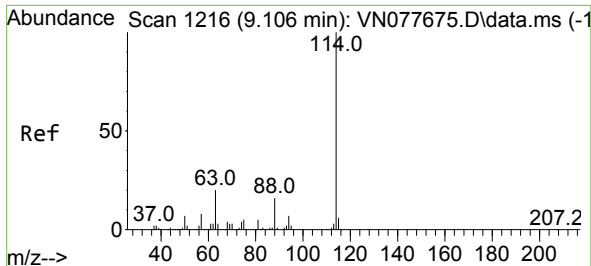
Tgt Ion: 56 Resp: 8088
Ion Ratio Lower Upper
56 100
69 230.0 26.8 40.2#
84 149.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 46.630 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.007 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion: 65 Resp: 256691
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078044.D

Acq: 05 Jun 2023 15:09

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#05

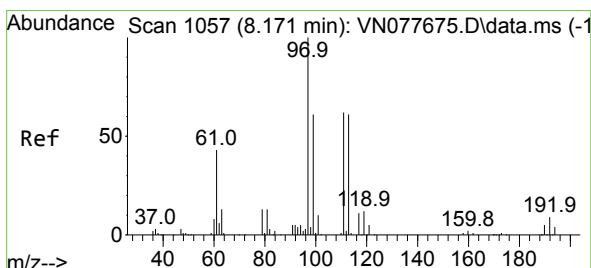
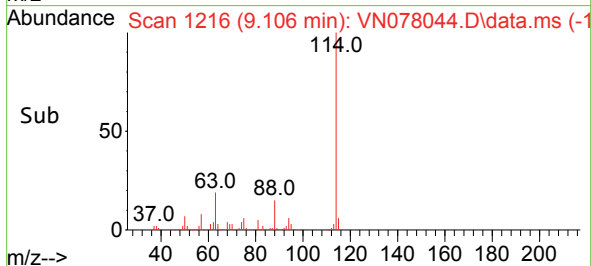
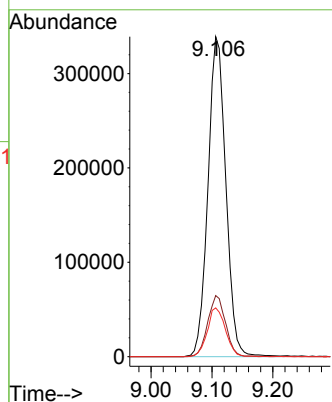
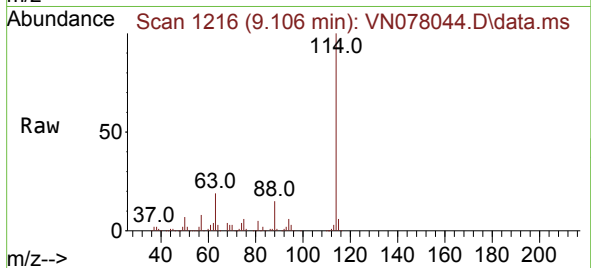
Tgt Ion:114 Resp: 691209

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.363 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078044.D

Acq: 05 Jun 2023 15:09

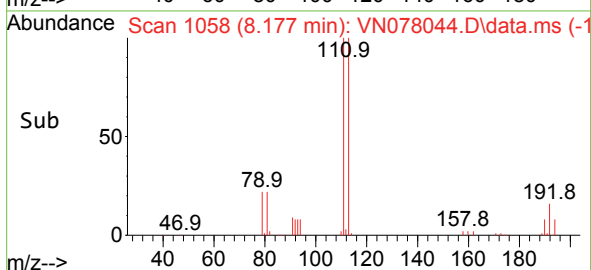
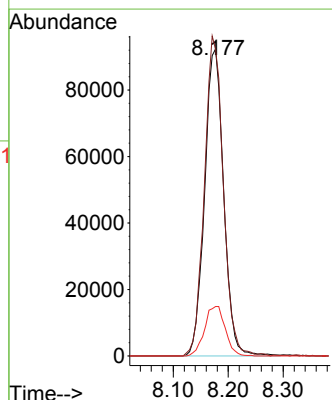
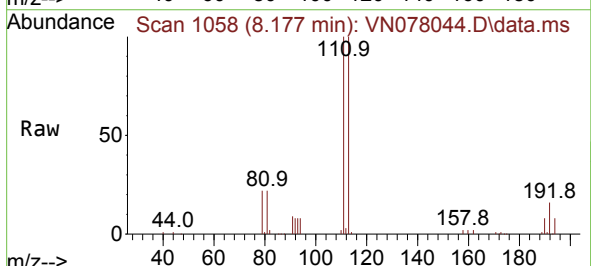
Tgt Ion:113 Resp: 222492

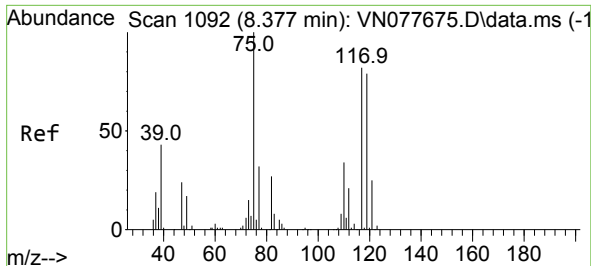
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 17.5 12.7 19.1

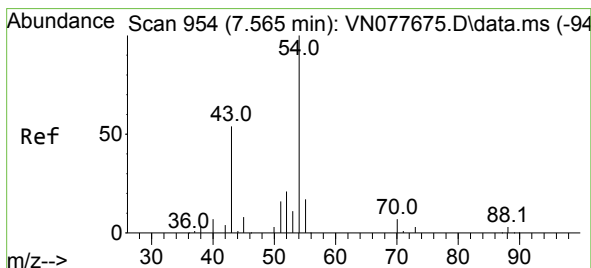
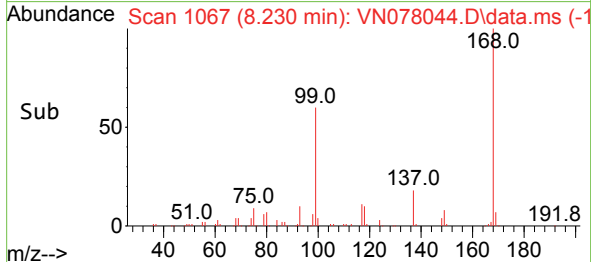
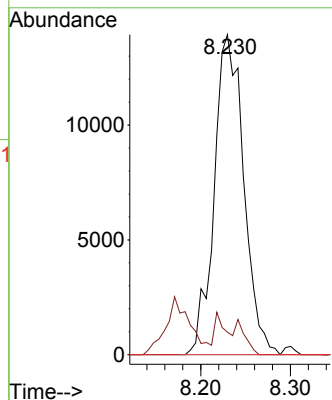
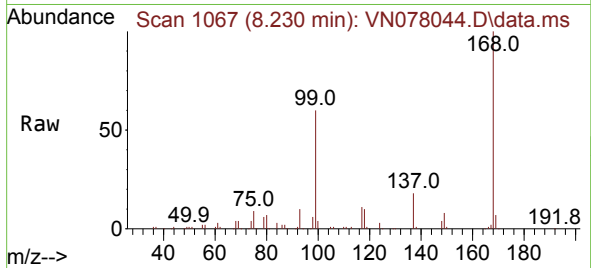




#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

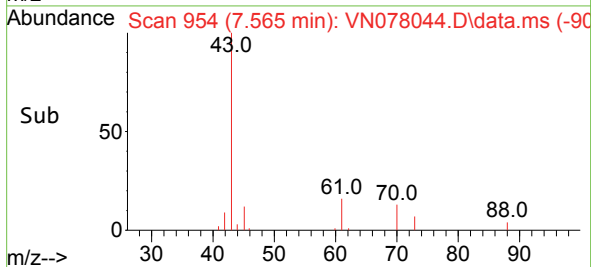
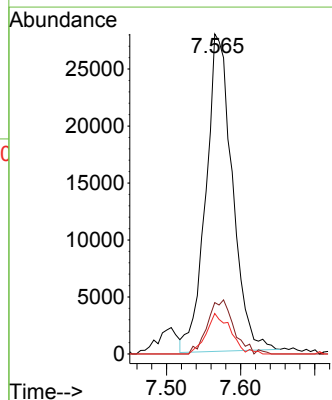
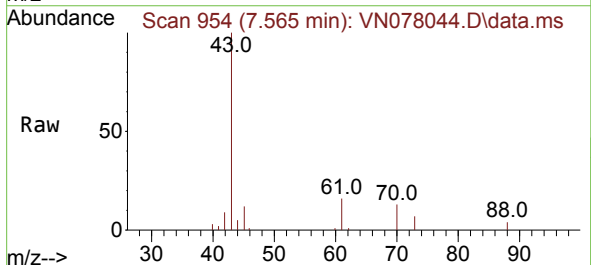
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

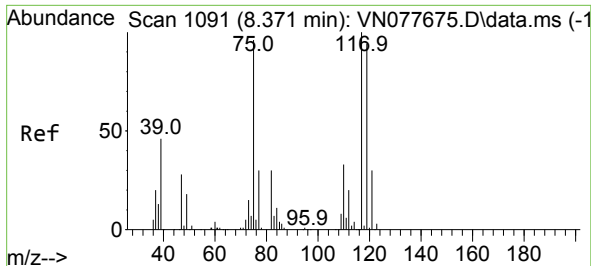
Tgt Ion: 75 Resp: 31860
Ion Ratio Lower Upper
75 100
110 3.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.759 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion: 43 Resp: 69094
Ion Ratio Lower Upper
43 100
61 17.0 13.2 19.8
70 11.8 11.3 16.9

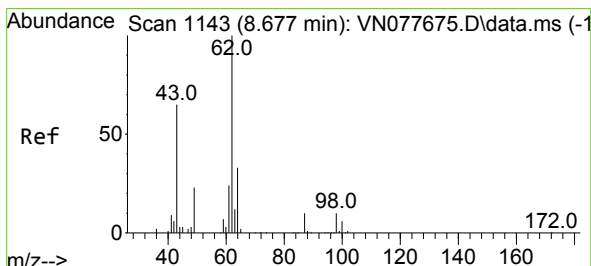
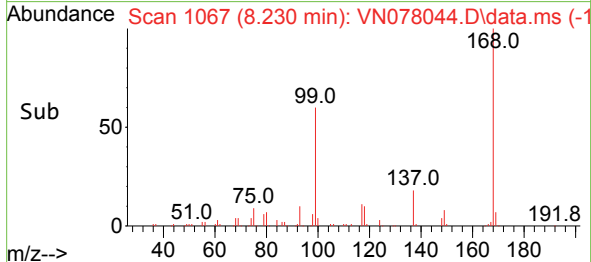
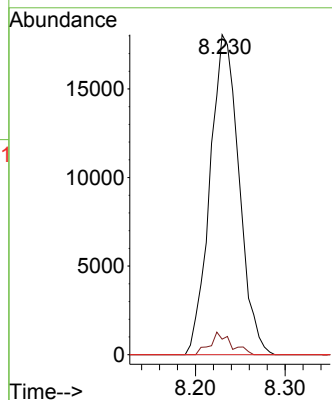
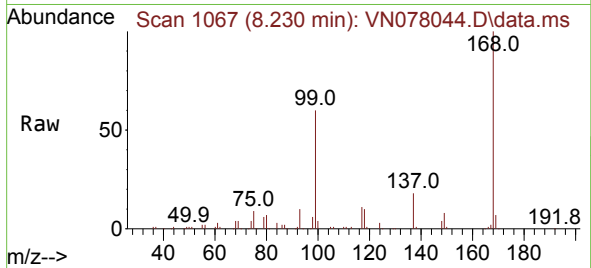




#38
Carbon Tetrachloride
Concen: 6.096 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

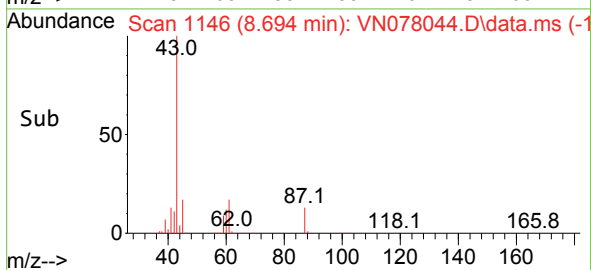
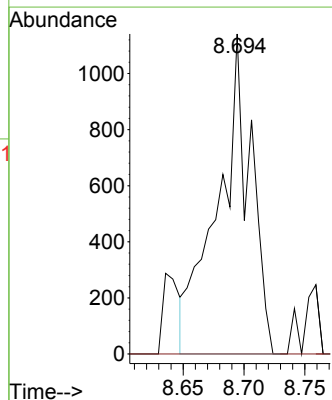
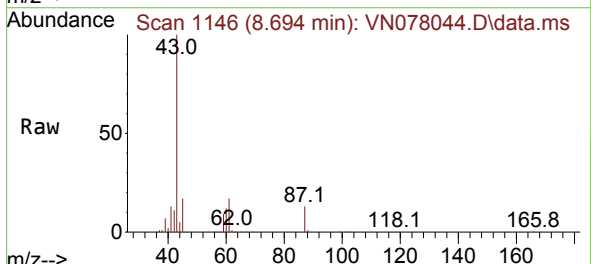
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

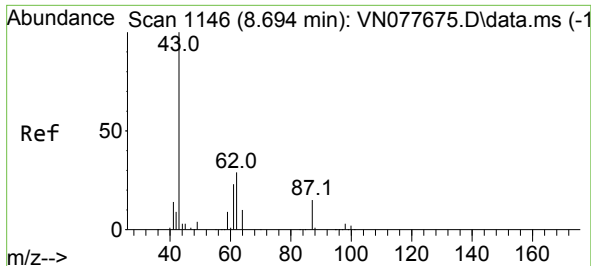
Tgt Ion:117 Resp: 40583
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion: 62 Resp: 2138
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

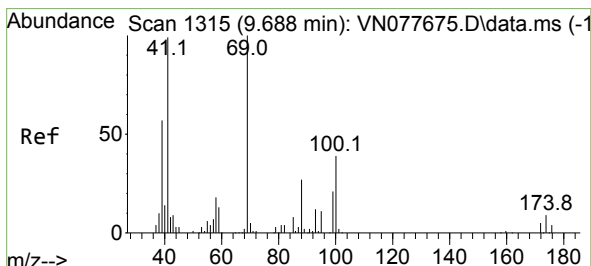
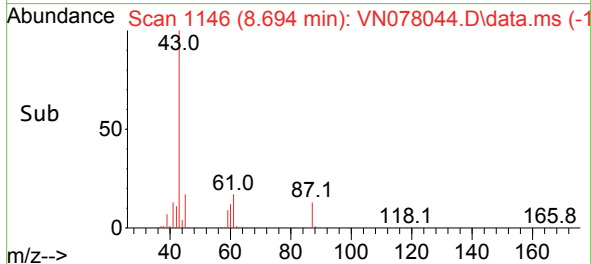
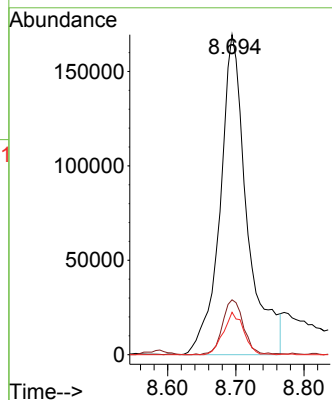
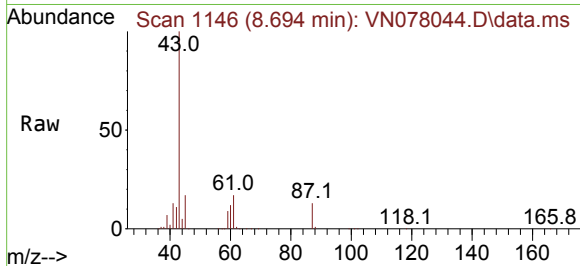




#43
Isopropyl Acetate
Concen: 48.663 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

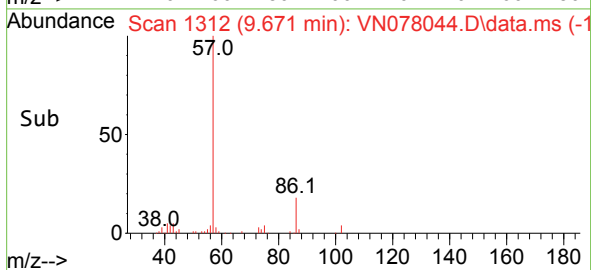
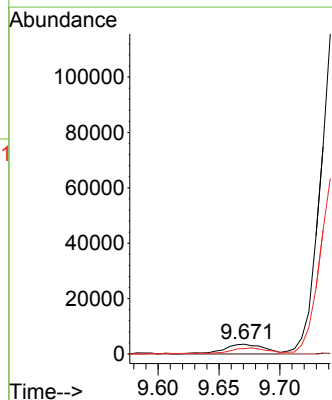
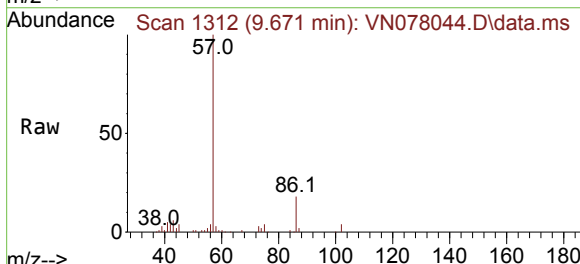
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

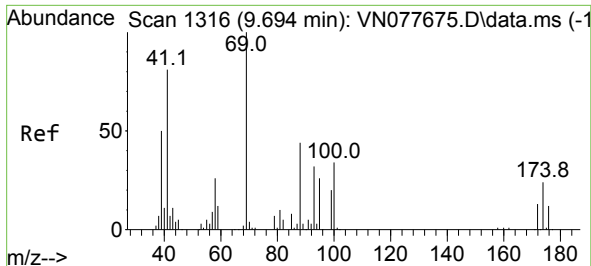
Tgt Ion: 43 Resp: 467068
Ion Ratio Lower Upper
43 100
61 13.5 24.7 37.1#
87 9.9 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.807 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion: 41 Resp: 8222
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#





#49

1,4-Dioxane

Concen: 0.873 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078044.D

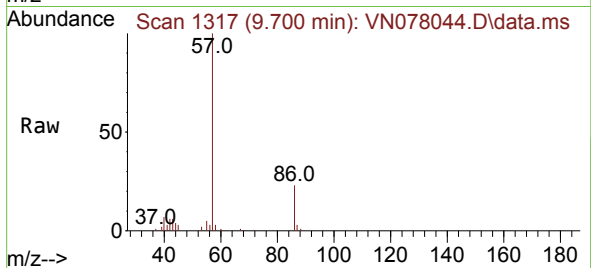
Acq: 05 Jun 2023 15:09

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#05



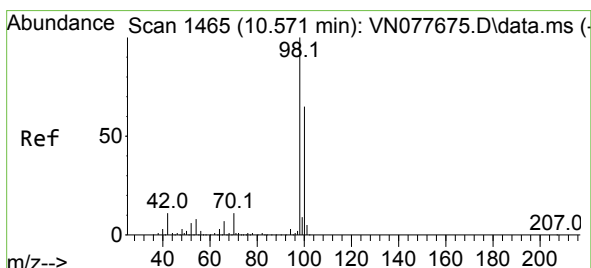
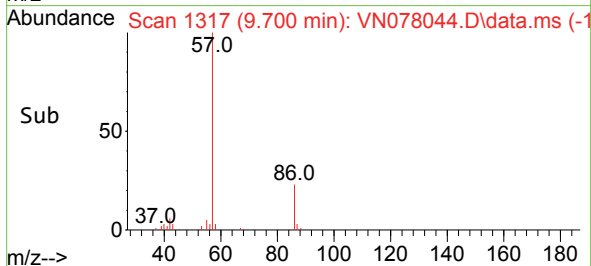
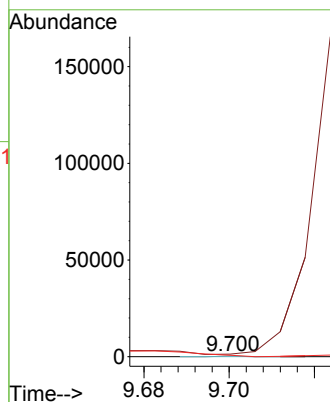
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 8284.0 47.0 70.4#



#50

Toluene-d8

Concen: 49.926 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078044.D

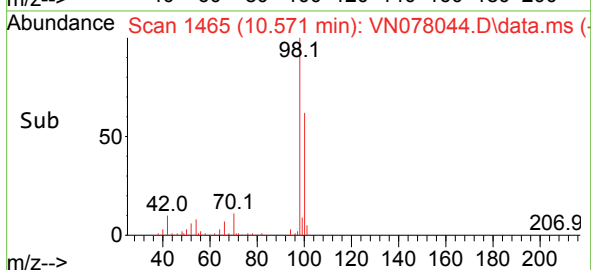
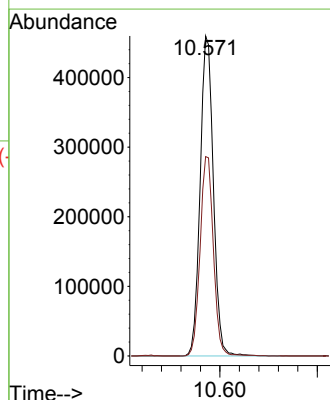
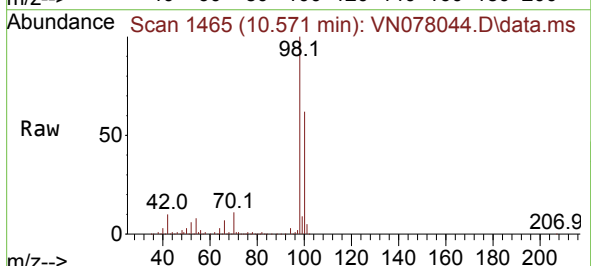
Acq: 05 Jun 2023 15:09

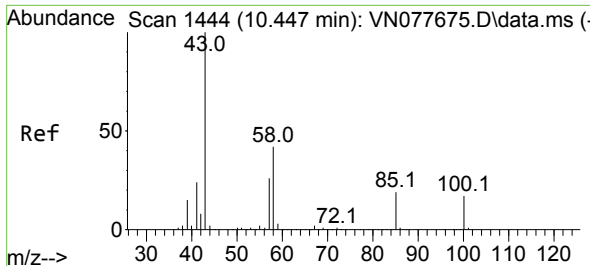
Tgt Ion: 98 Resp: 866166

Ion Ratio Lower Upper

98 100

100 62.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 38.536 ug/l

RT: 10.365 min Scan# 1444

Delta R.T. -0.082 min

Lab File: VN078044.D

Acq: 05 Jun 2023 15:09

Instrument :

MSVOA_N

ClientSampleId :

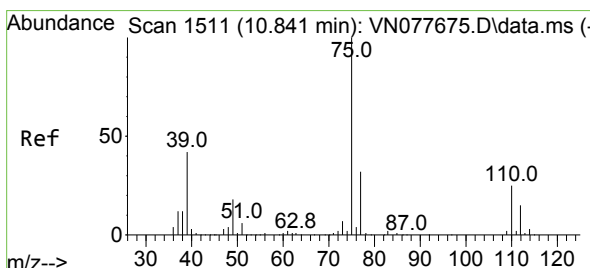
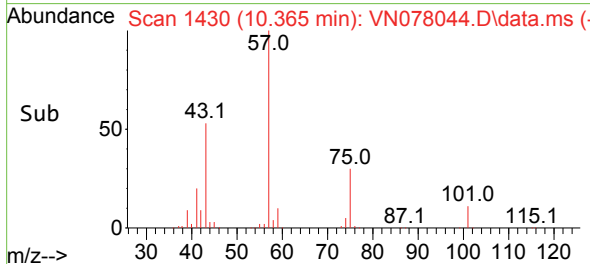
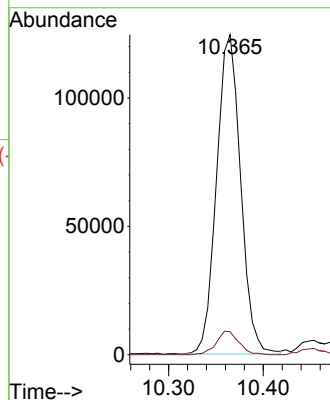
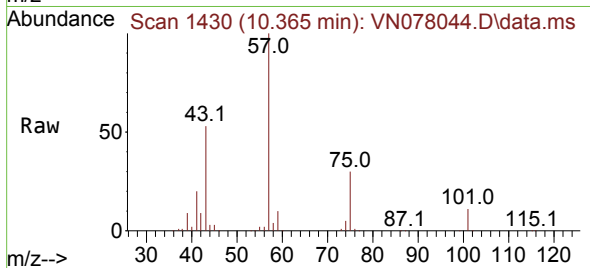
PB153198ZHE#05

Tgt Ion: 43 Resp: 219855

Ion Ratio Lower Upper

43 100

58 6.9 36.6 54.8#



#53

t-1,3-Dichloropropene

Concen: 0.341 ug/l

RT: 10.730 min Scan# 1492

Delta R.T. -0.111 min

Lab File: VN078044.D

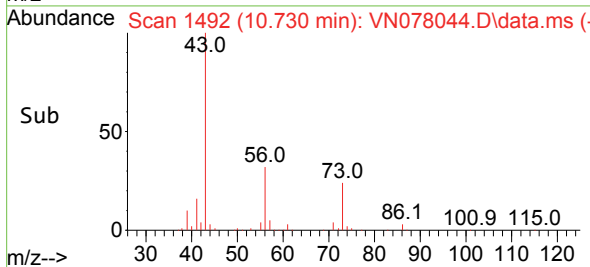
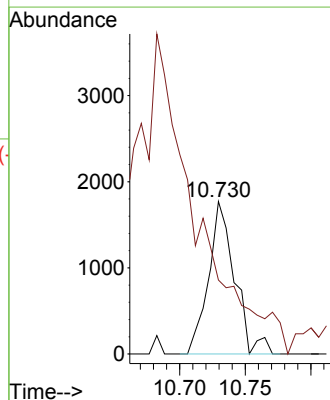
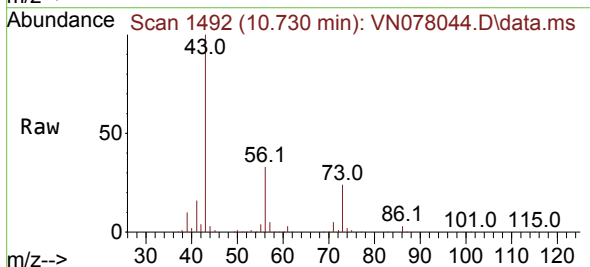
Acq: 05 Jun 2023 15:09

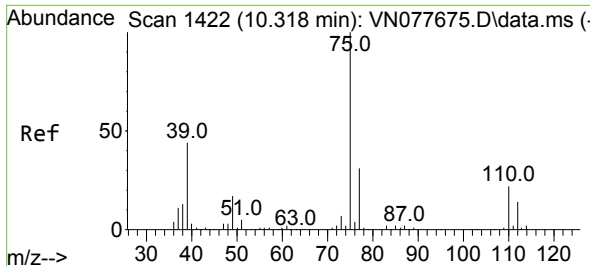
Tgt Ion: 75 Resp: 2452

Ion Ratio Lower Upper

75 100

77 28.1 25.4 38.0

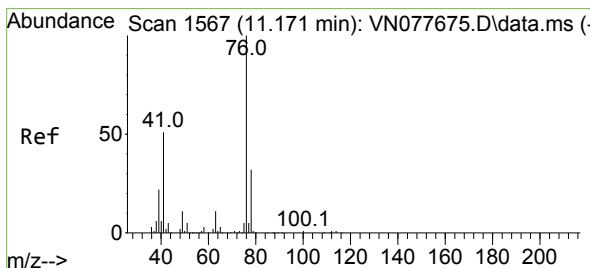
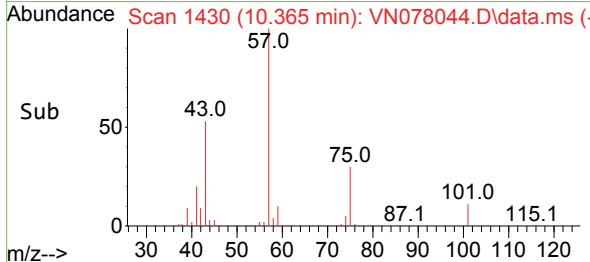
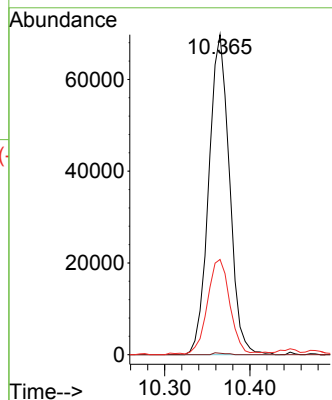
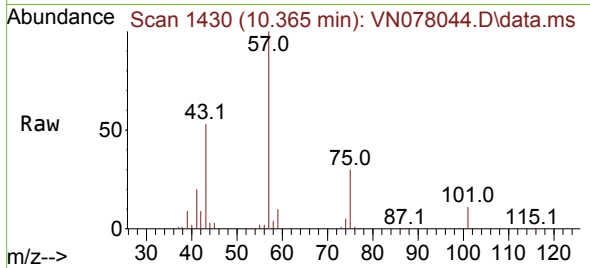




#54
 cis-1,3-Dichloropropene
 Concen: 14.826 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078044.D
 Acq: 05 Jun 2023 15:09

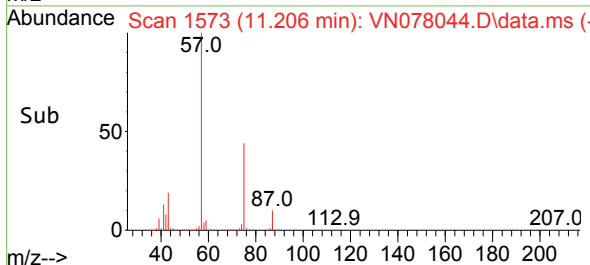
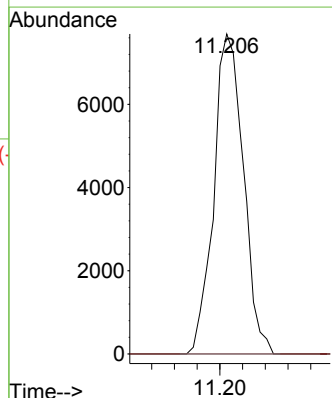
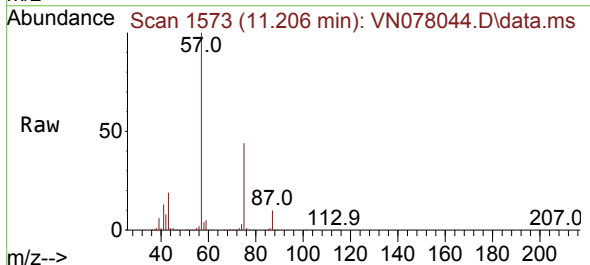
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#05

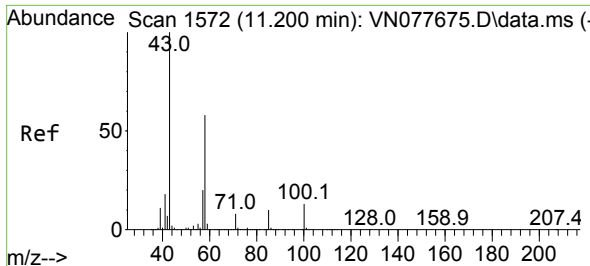
Tgt Ion: 75 Resp: 117618
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 29.3 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.689 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078044.D
 Acq: 05 Jun 2023 15:09

Tgt Ion: 76 Resp: 13925
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

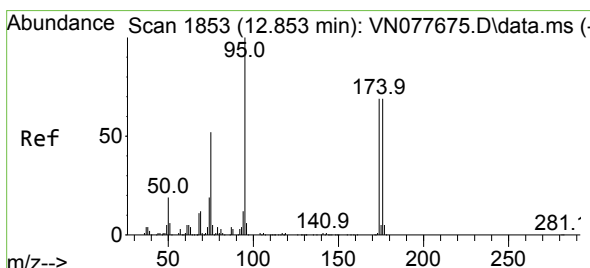
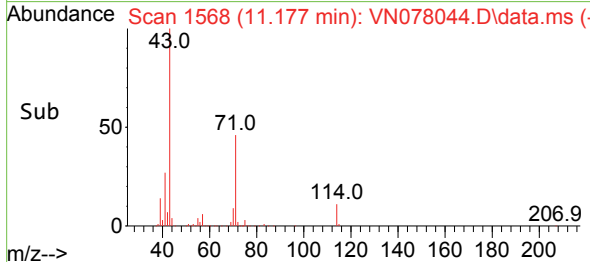
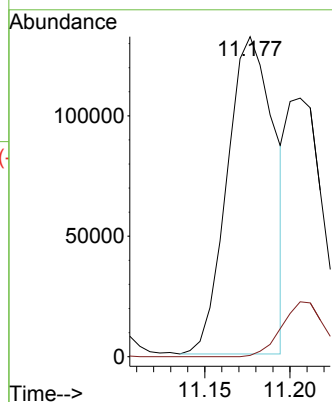
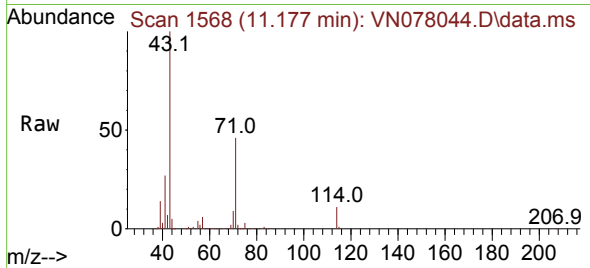




#59
2-Hexanone
Concen: 60.133 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

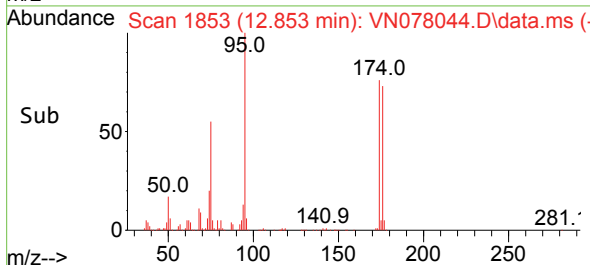
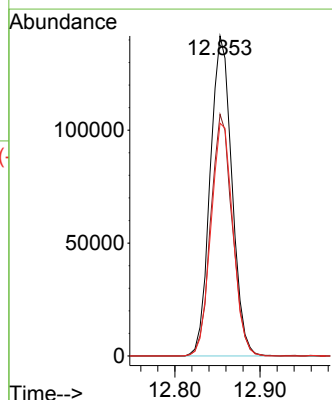
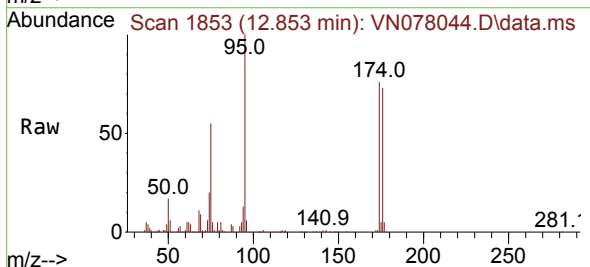
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

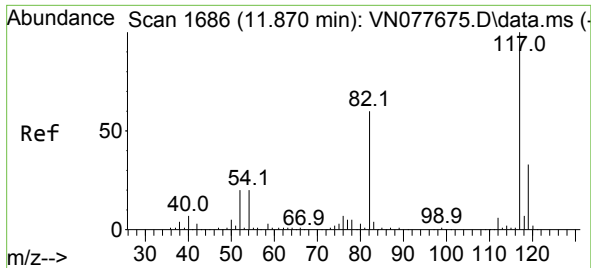
Tgt Ion: 43 Resp: 253752
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 41.009 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion: 95 Resp: 251272
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 73.6 0.0 135.8

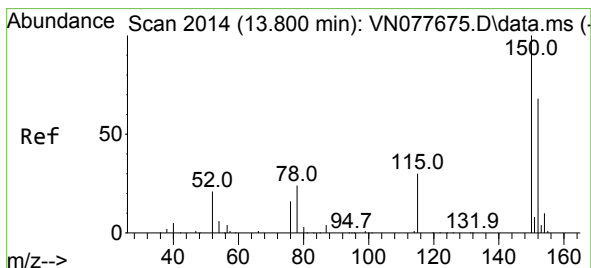
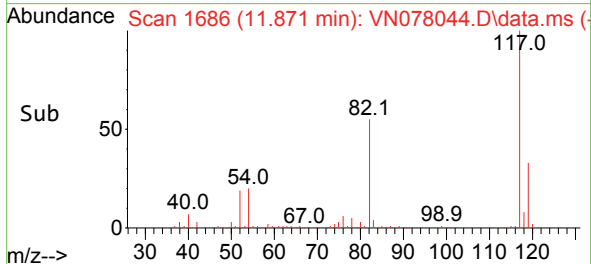
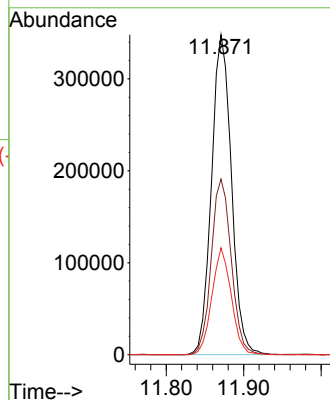
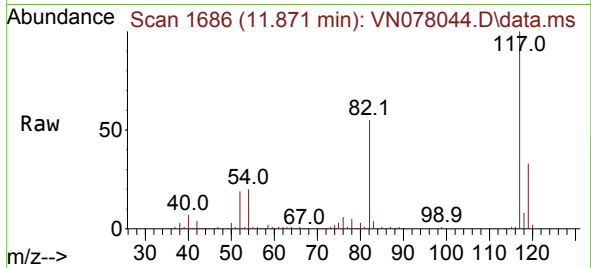




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

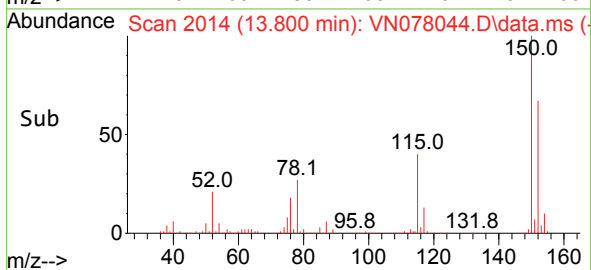
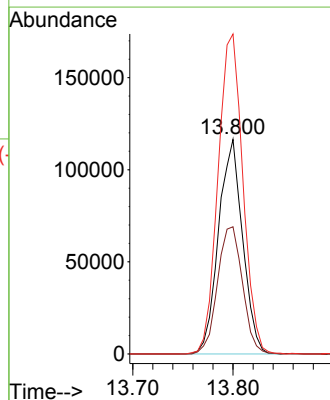
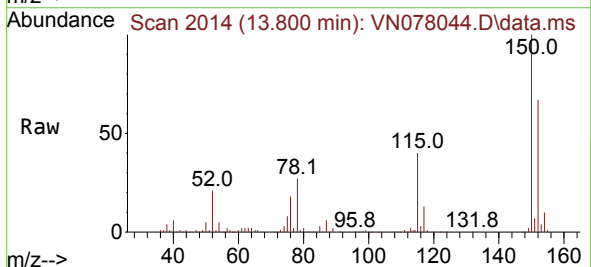
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#05

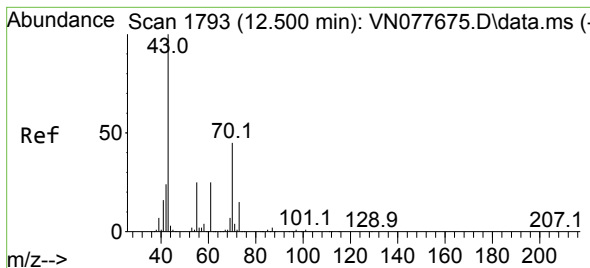
Tgt Ion:117 Resp: 622381
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 33.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078044.D
Acq: 05 Jun 2023 15:09

Tgt Ion:152 Resp: 194193
Ion Ratio Lower Upper
152 100
115 61.4 32.3 96.8
150 154.0 0.0 355.8





#74

N-amy1 acetate

Concen: 0.372 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN078044.D

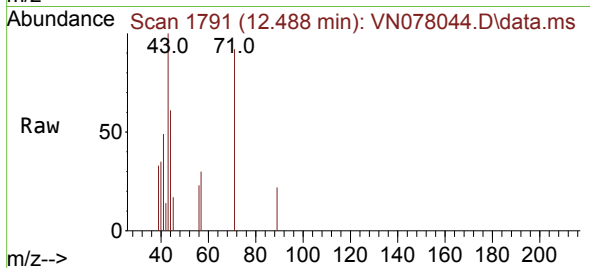
Acq: 05 Jun 2023 15:09

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#05



Tgt Ion: 43 Resp: 2299

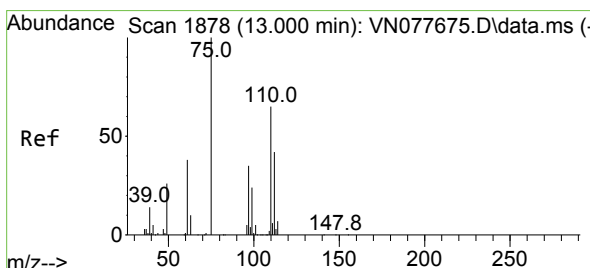
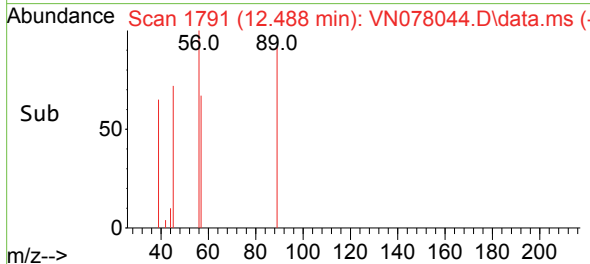
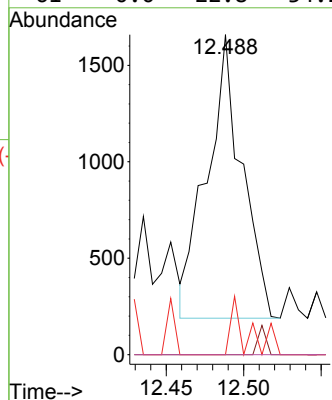
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 9.7 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 27.433 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078044.D

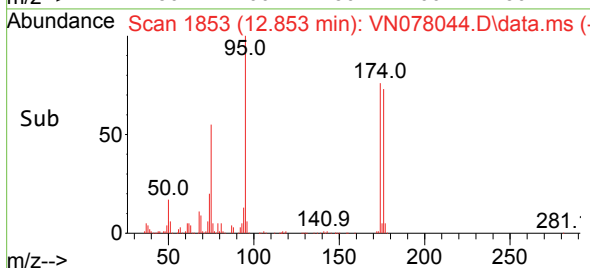
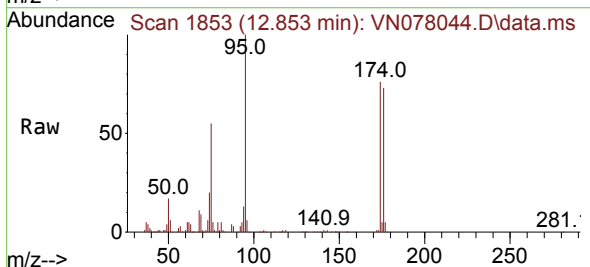
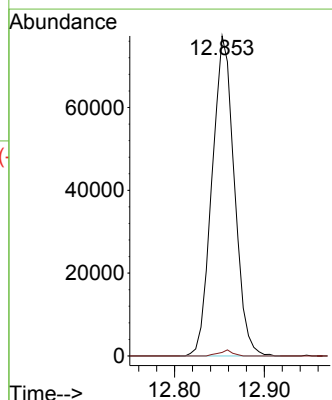
Acq: 05 Jun 2023 15:09

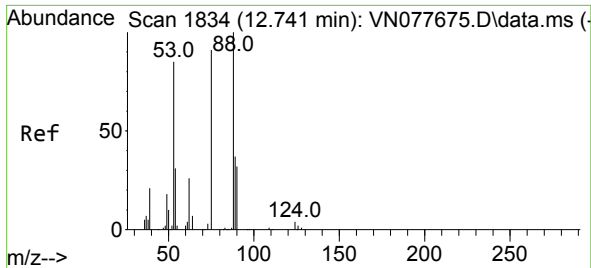
Tgt Ion: 75 Resp: 133415

Ion Ratio Lower Upper

75 100

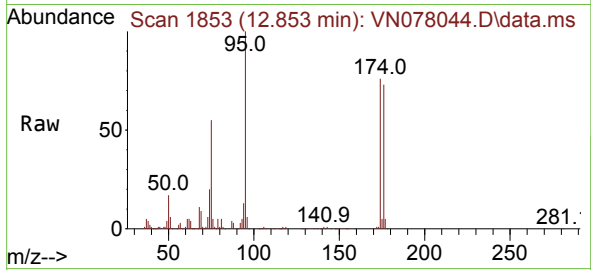
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.690 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078044.D
 Acq: 05 Jun 2023 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#05



Tgt Ion: 75 Resp: 133415
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

