

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078040.D
 Acq On : 05 Jun 2023 13:33
 Operator : JC\MD
 Sample : PB153198ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#01

Quant Time: Jun 06 02:00:34 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)

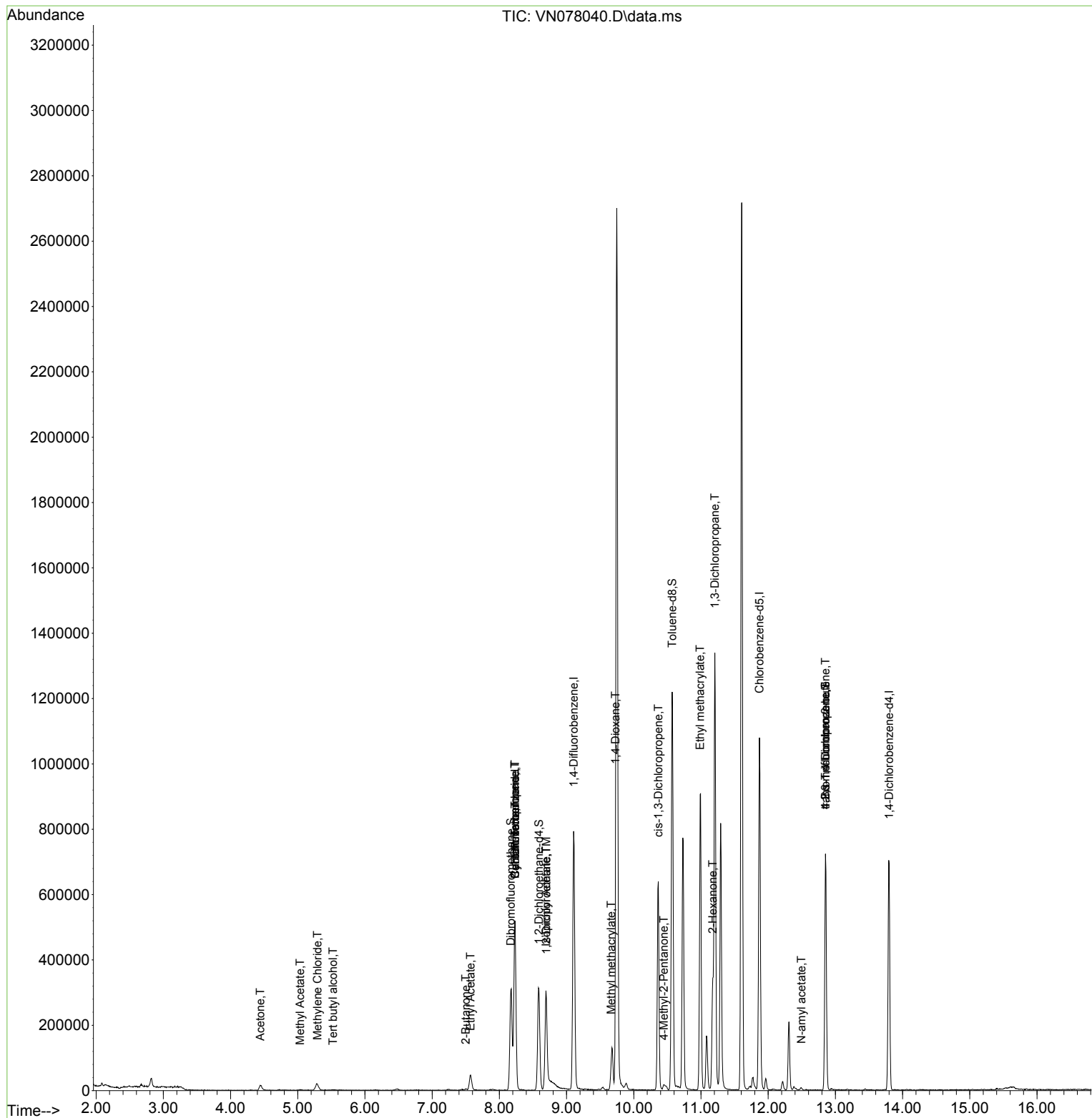
Internal Standards						
1) Pentafluorobenzene	8.235	168	373603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	697880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	642314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	196980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	263164	47.077	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.160%
35) Dibromofluoromethane	8.171	113	232881	51.174	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.340%
50) Toluene-d8	10.571	98	885756	50.567	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.853	95	262107	42.368	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1183	Below Cal	#	84
11) Tert butyl alcohol	5.524	59	929	1.204	ug/l #	72
13) Acrolein	4.195	56	189	Below Cal	#	57
16) Acetone	4.442	43	27493	15.633	ug/l	100
18) Methyl Acetate	5.036	43	2057	0.279	ug/l #	54
20) Methylene Chloride	5.295	84	16742	1.751	ug/l #	82
25) 2-Butanone	7.500	43	5855	2.128	ug/l	91
31) Cyclohexane	8.235	56	8460	1.114	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	30723	4.616	ug/l #	50
37) Ethyl Acetate	7.571	43	68054	11.471	ug/l	96
38) Carbon Tetrachloride	8.235	117	40909	6.086	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	2201	0.308	ug/l #	73
43) Isopropyl Acetate	8.694	43	369368	38.116	ug/l #	78
48) Methyl methacrylate	9.665	41	7226	1.573	ug/l #	36
49) 1,4-Dioxane	9.730	88	92	1.060	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	10388	1.803	ug/l	88
54) cis-1,3-Dichloropropene	10.365	75	121908	15.220	ug/l #	68
56) Ethyl methacrylate	10.988	69	3327	0.453	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	14851	1.784	ug/l #	42
59) 2-Hexanone	11.176	43	259548	60.918	ug/l #	19
74) N-amyl acetate	12.494	43	3939	0.628	ug/l #	44
76) 1,2,3-Trichloropropane	12.853	75	134906	27.347	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	134906	87.416	ug/l #	15

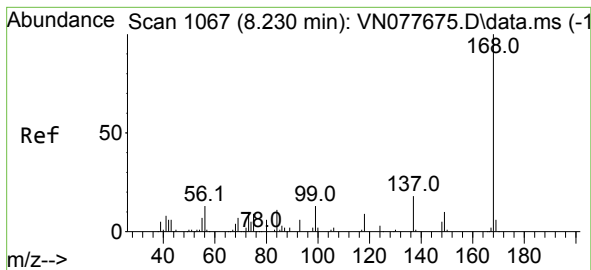
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
Data File : VN078040.D
Acq On : 05 Jun 2023 13:33
Operator : JC\MD
Sample : PB153198ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

Quant Time: Jun 06 02:00:34 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: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078040.D

Acq: 05 Jun 2023 13:33

Instrument :

MSVOA_N

ClientSampleId :

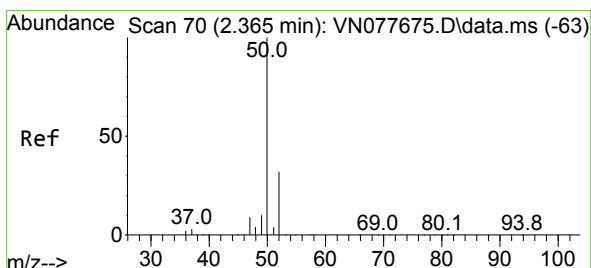
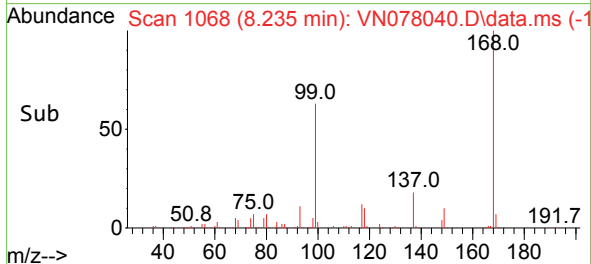
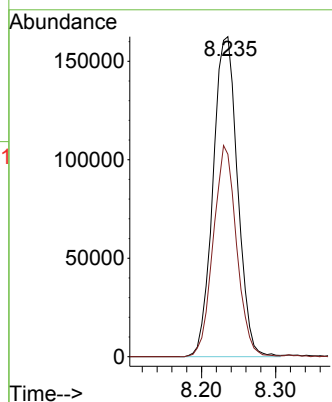
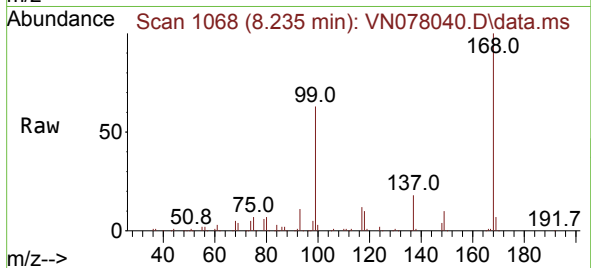
PB153198ZHE#01

Tgt Ion:168 Resp: 373603

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: VN078040.D

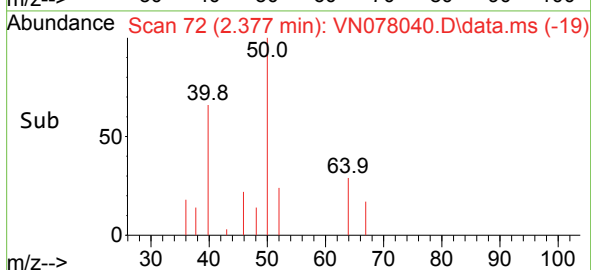
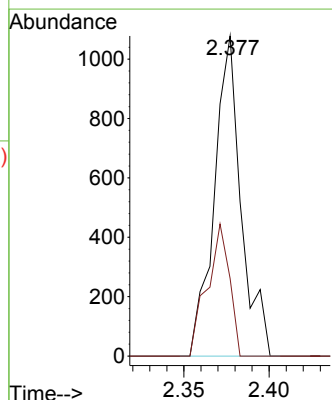
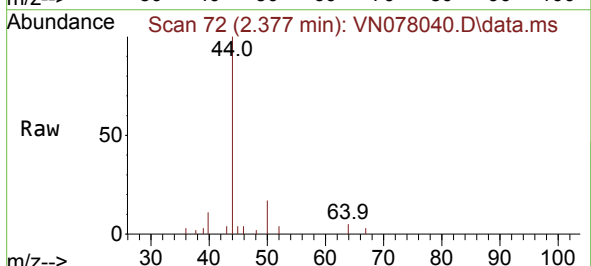
Acq: 05 Jun 2023 13:33

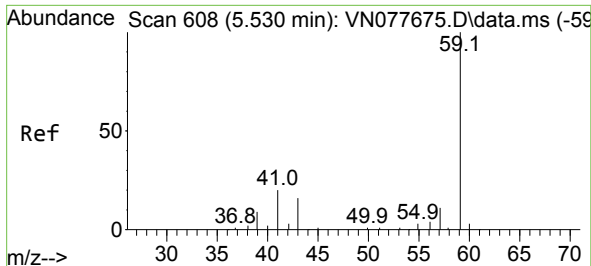
Tgt Ion: 50 Resp: 1183

Ion Ratio Lower Upper

50 100

52 24.2 26.5 39.7#

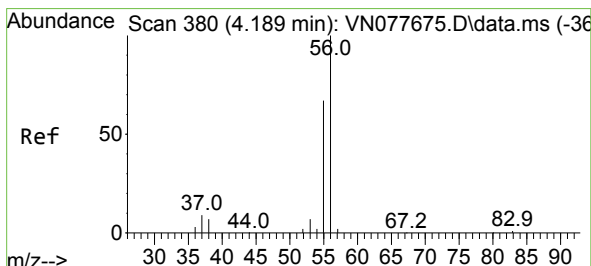
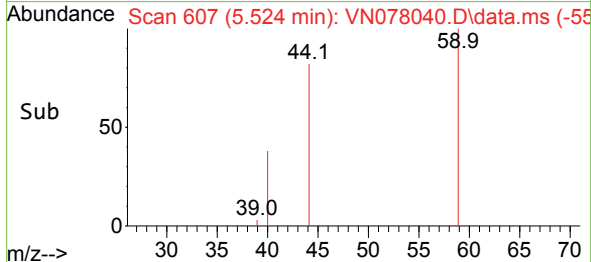
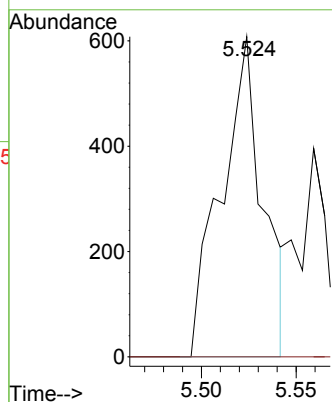
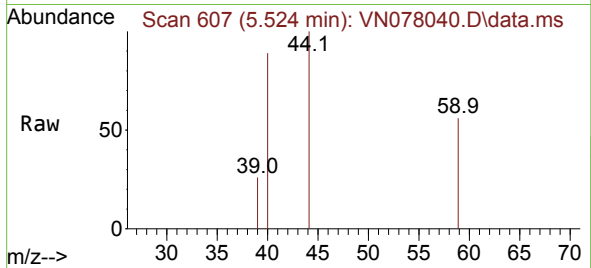




#11
Tert butyl alcohol
Concen: 1.204 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

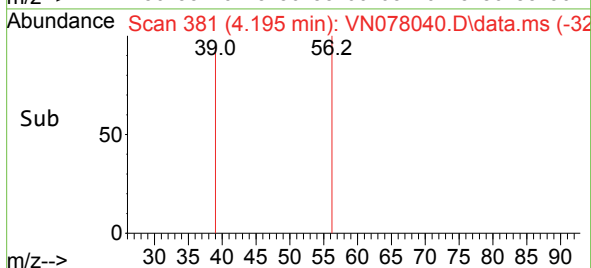
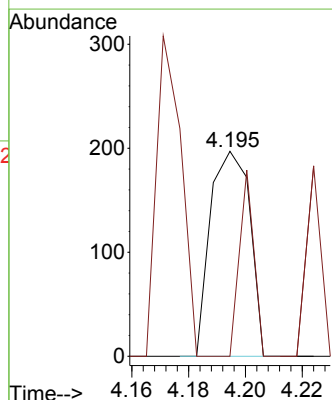
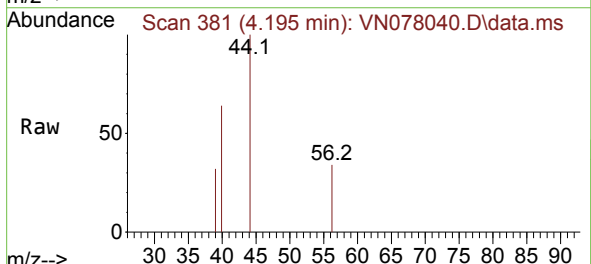
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

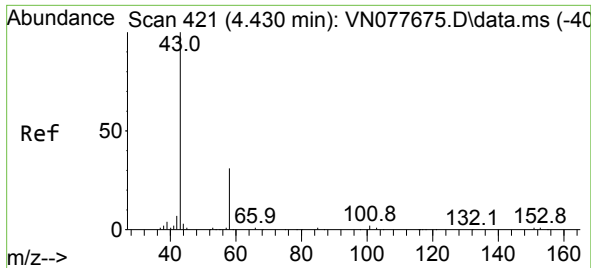
Tgt Ion: 59 Resp: 929
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 33.3 54.5 81.7#

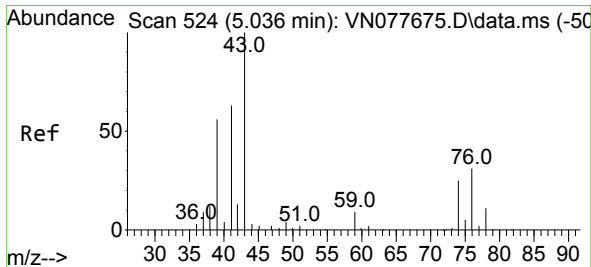
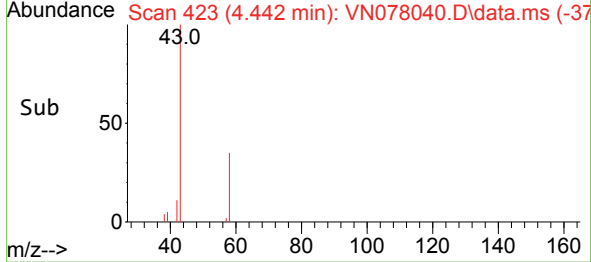
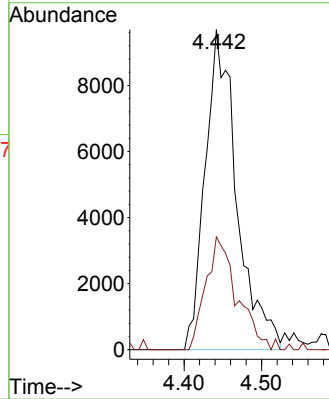
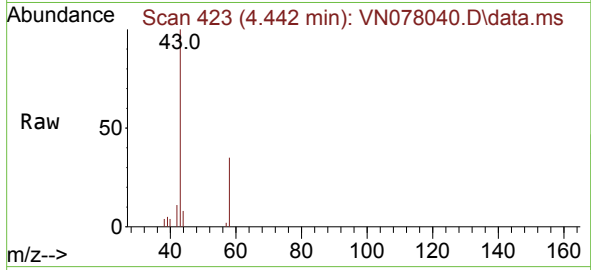




#16
Acetone
Concen: 15.633 ug/l
RT: 4.442 min Scan# 43
Delta R.T. 0.012 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

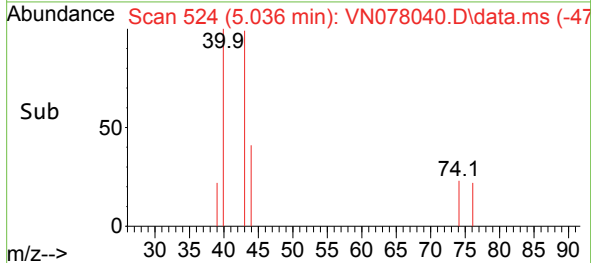
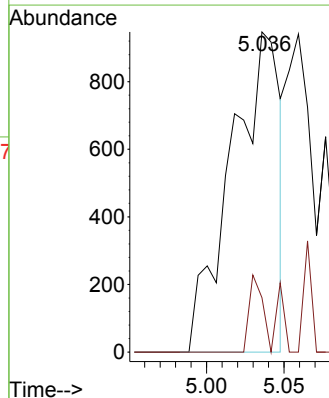
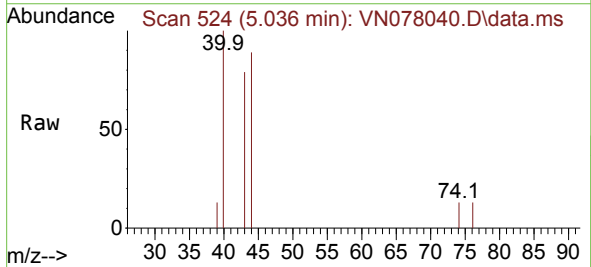
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

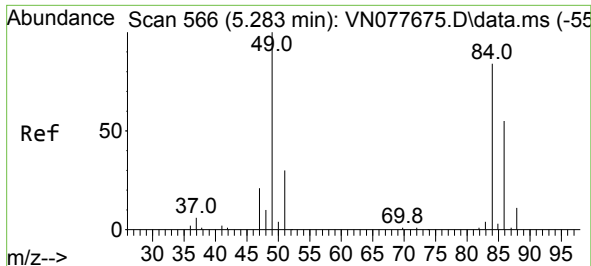
Tgt Ion: 43 Resp: 27493
Ion Ratio Lower Upper
43 100
58 35.2 28.0 42.0



#18
Methyl Acetate
Concen: 0.279 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

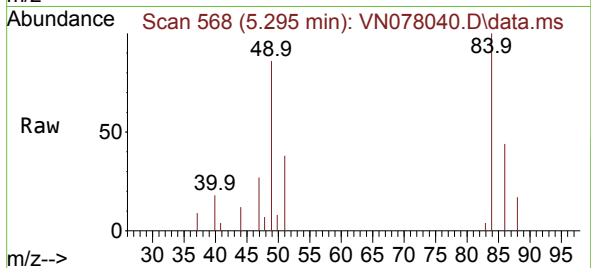
Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
74 6.7 26.2 39.4#



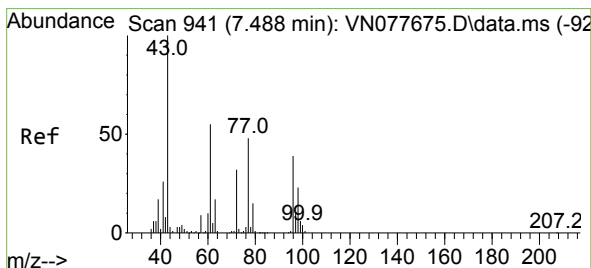
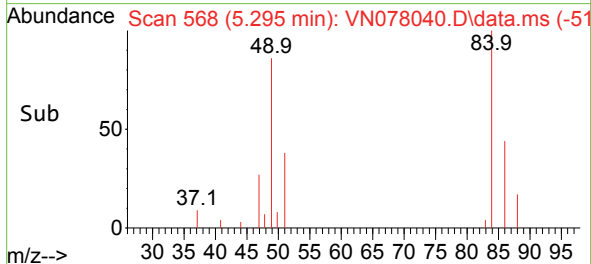
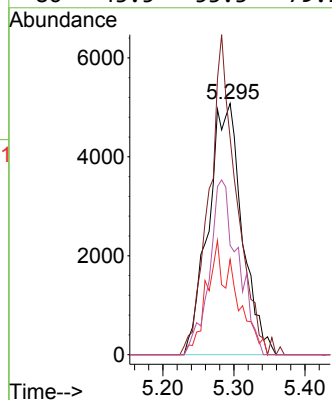


#20
Methylene Chloride
Concen: 1.751 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

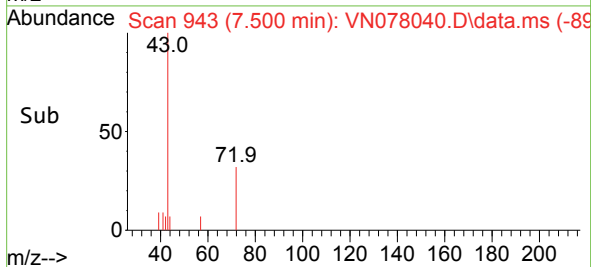
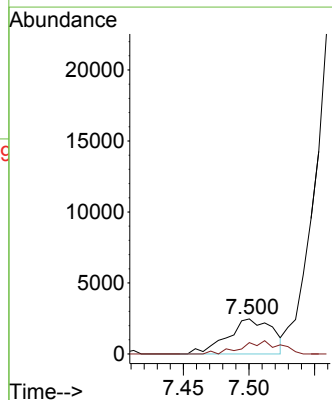
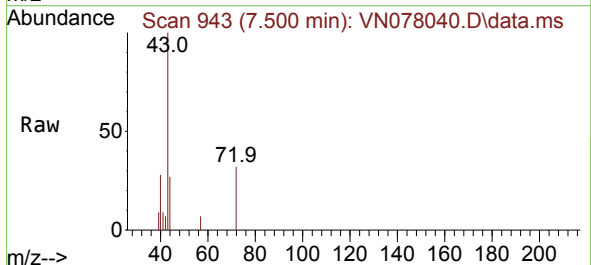


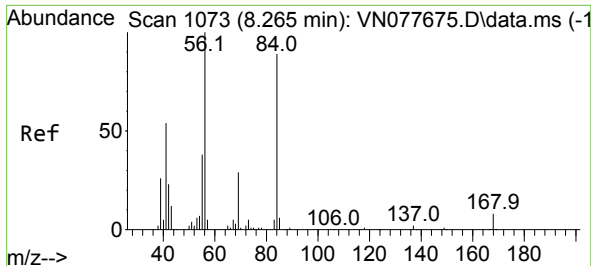
Tgt Ion: 84	Resp: 16742
Ion Ratio	Lower Upper
84 100	
49 86.4	79.7 119.5
51 37.9	25.2 37.8#
86 43.5	53.3 79.9#



#25
2-Butanone
Concen: 2.128 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

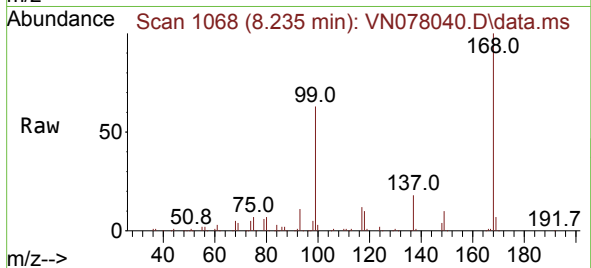
Tgt Ion: 43	Resp: 5855
Ion Ratio	Lower Upper
43 100	
72 32.4	30.2 45.2



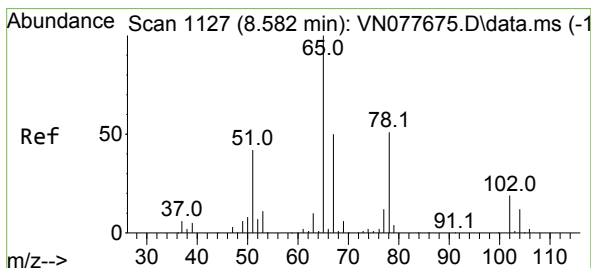
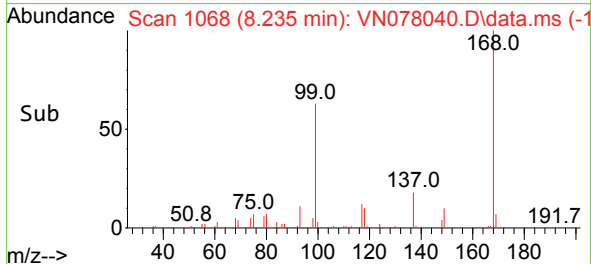
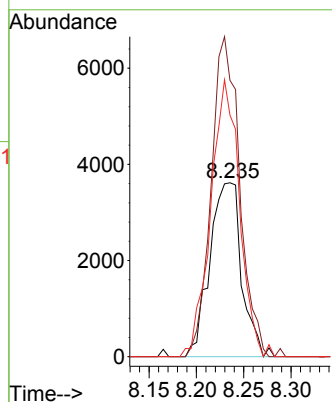


#31
Cyclohexane
Concen: 1.114 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

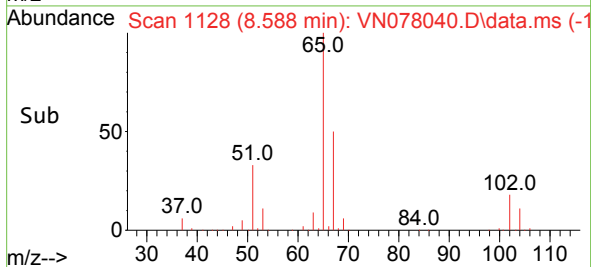
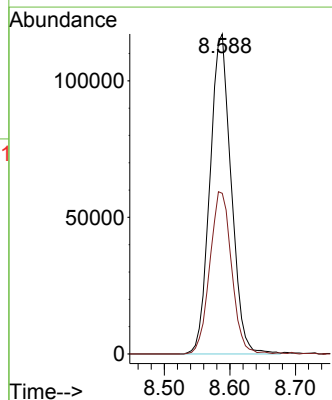
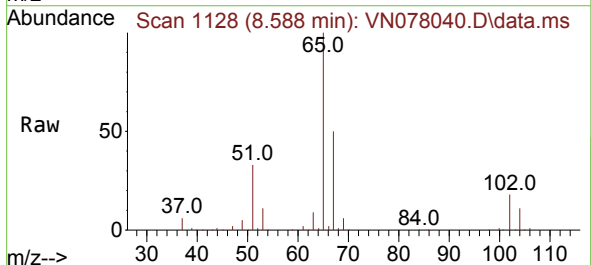


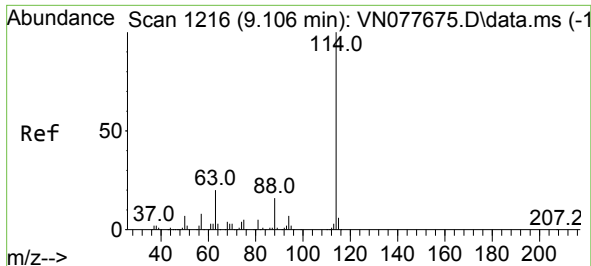
Tgt Ion: 56 Resp: 8460
Ion Ratio Lower Upper
56 100
69 158.9 26.8 40.2#
84 149.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.077 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Tgt Ion: 65 Resp: 263164
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6

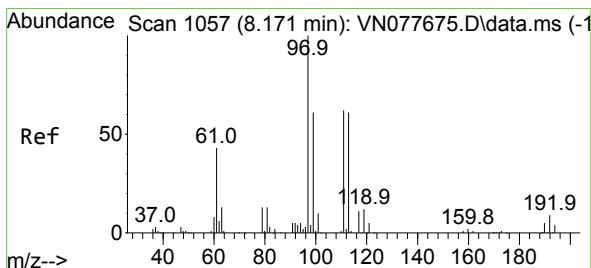
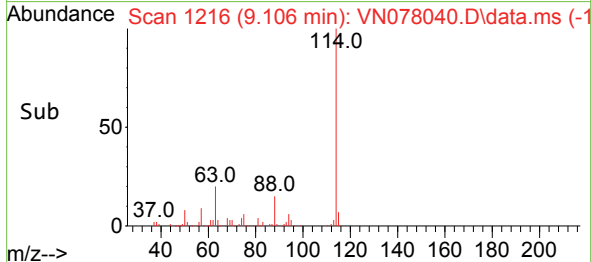
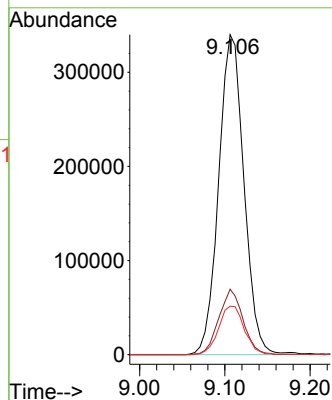
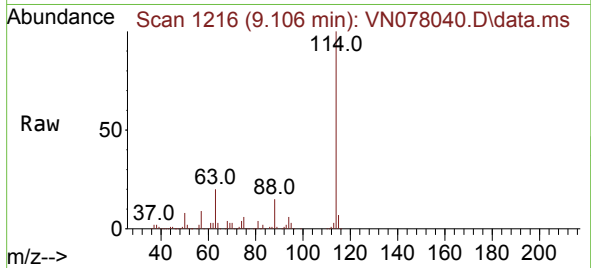




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

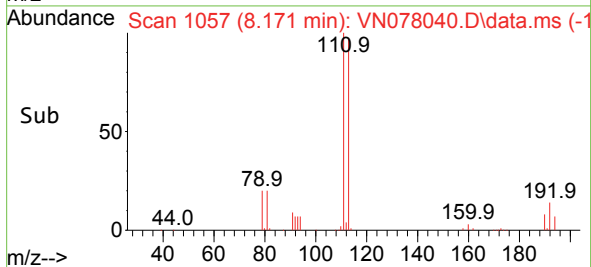
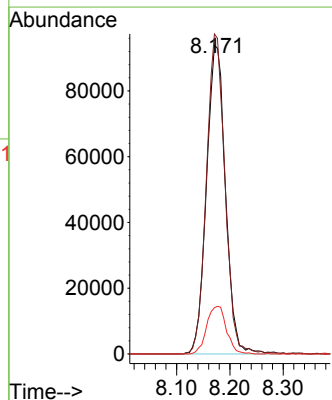
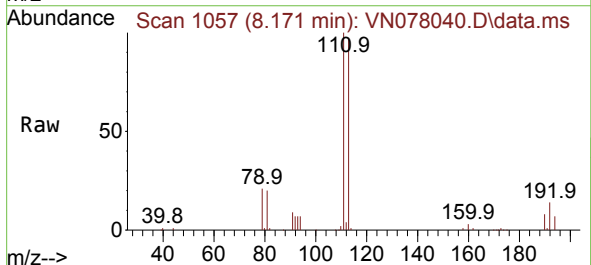
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

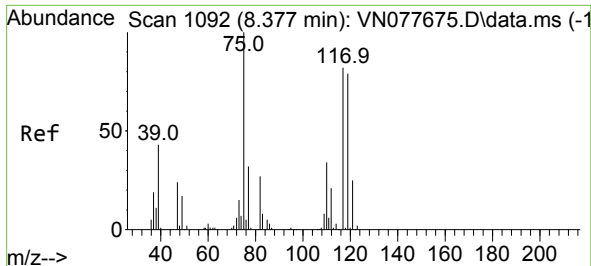
Tgt Ion:114 Resp: 697880
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.174 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

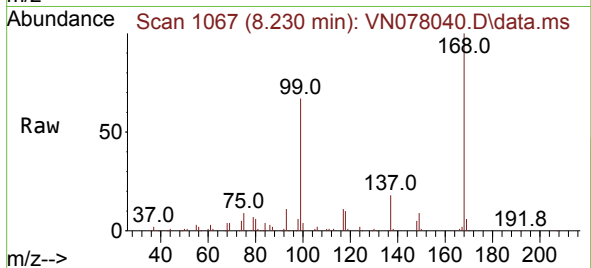
Tgt Ion:113 Resp: 232881
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 16.0 12.7 19.1



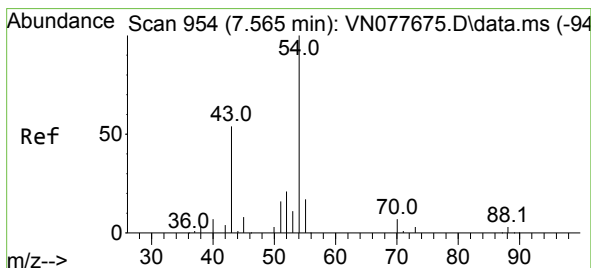
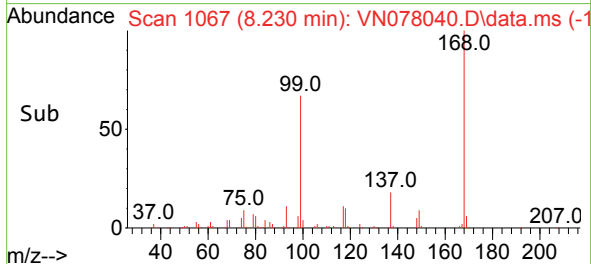
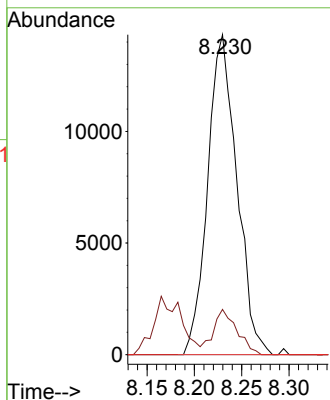


#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

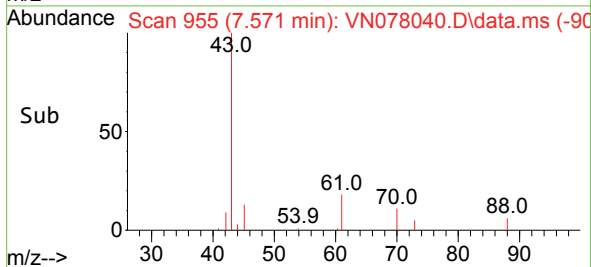
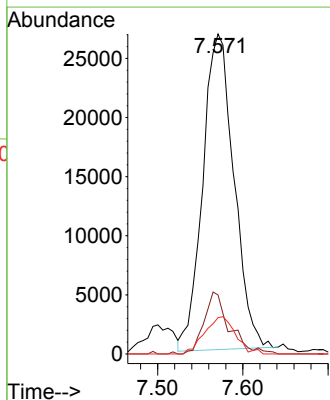
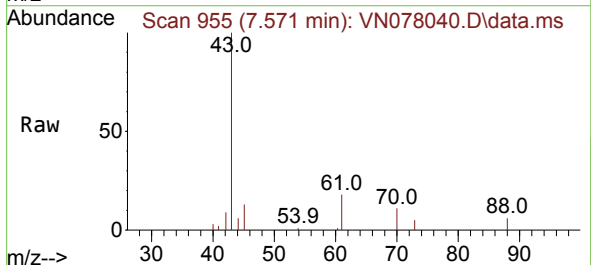


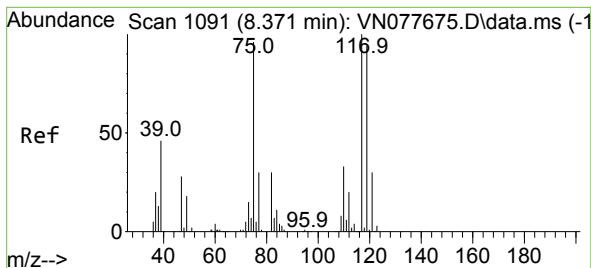
Tgt Ion: 75 Resp: 30723
Ion Ratio Lower Upper
75 100
110 11.5 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.471 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Tgt Ion: 43 Resp: 68054
Ion Ratio Lower Upper
43 100
61 15.9 13.2 19.8
70 11.6 11.3 16.9





#38

Carbon Tetrachloride

Concen: 6.086 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN078040.D

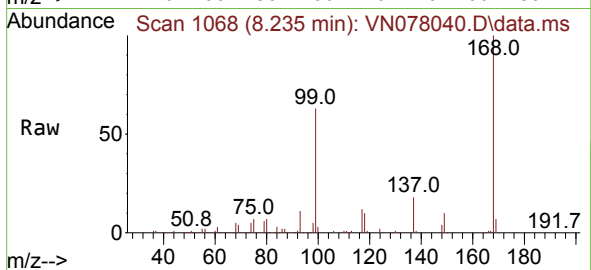
Acq: 05 Jun 2023 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#01



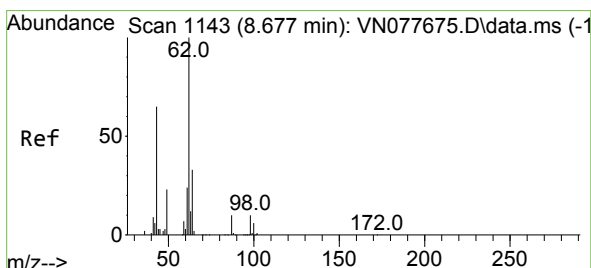
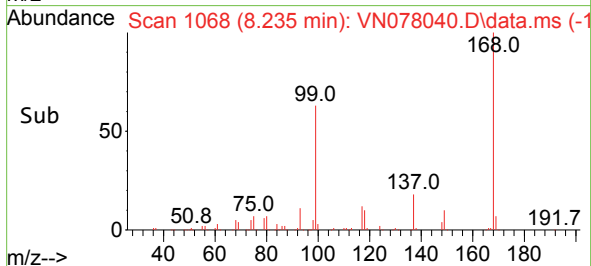
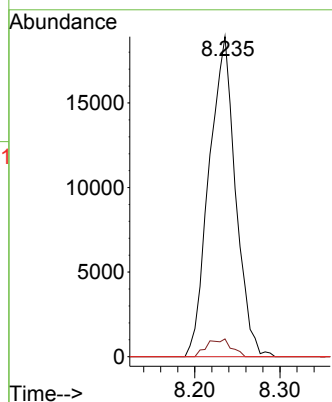
Tgt Ion:117 Resp: 40909

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.308 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.023 min

Lab File: VN078040.D

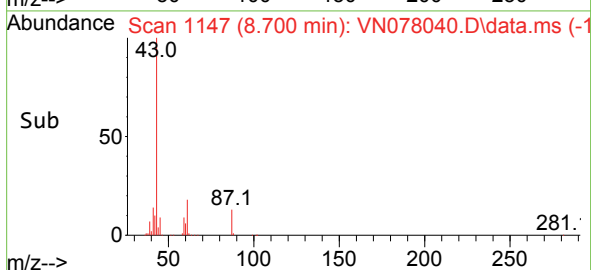
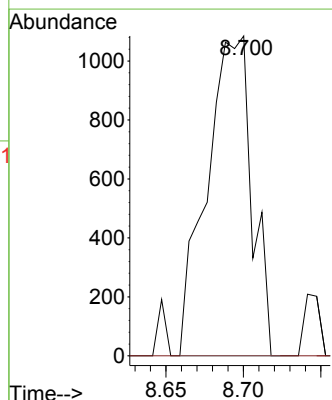
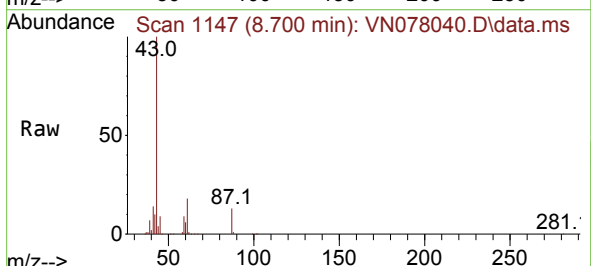
Acq: 05 Jun 2023 13:33

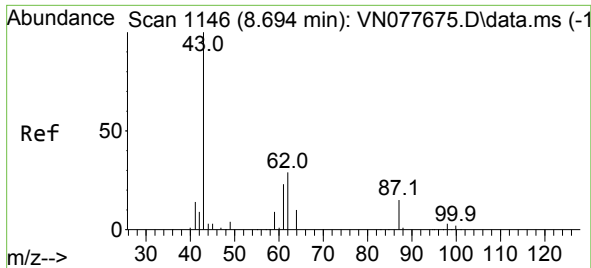
Tgt Ion: 62 Resp: 2201

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

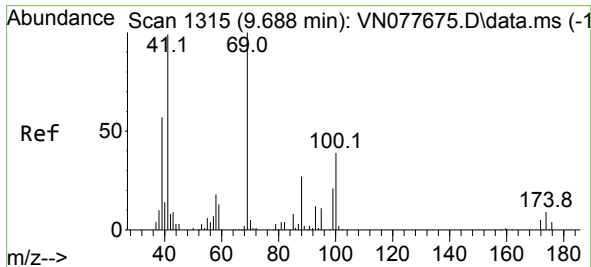
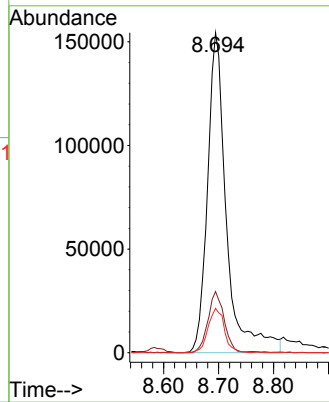
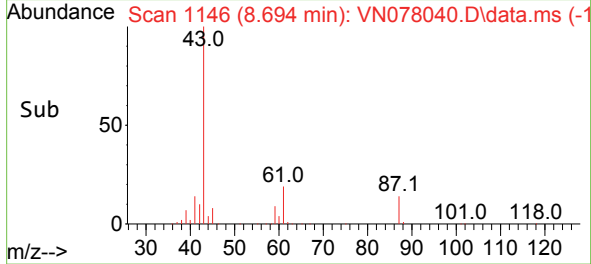
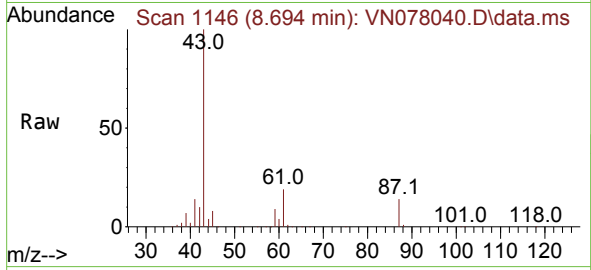




#43
Isopropyl Acetate
Concen: 38.116 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

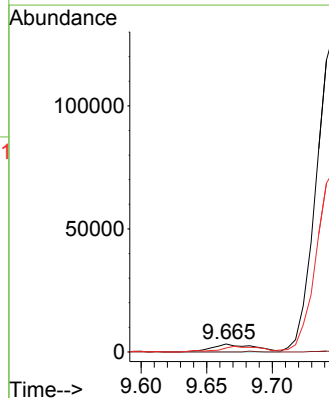
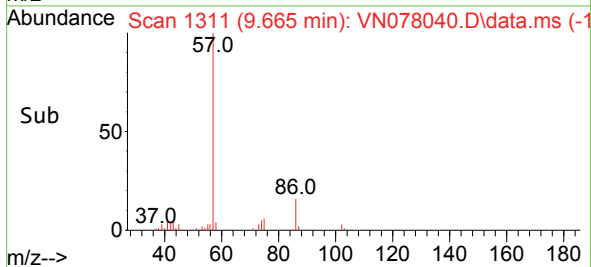
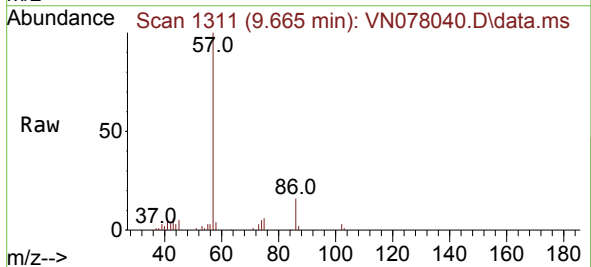
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

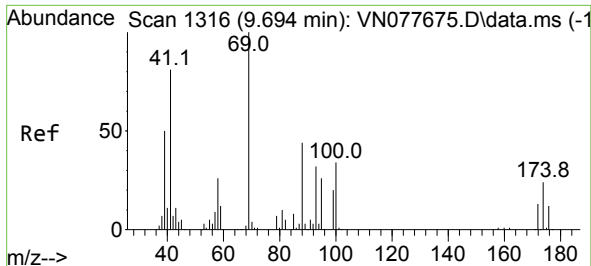
Tgt Ion: 43 Resp: 369368
Ion Ratio Lower Upper
43 100
61 16.3 24.7 37.1#
87 11.9 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.573 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.023 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Tgt Ion: 41 Resp: 7226
Ion Ratio Lower Upper
41 100
69 2.4 90.4 135.6#
39 67.9 54.6 81.8





#49

1,4-Dioxane

Concen: 1.060 ug/l

RT: 9.730 min Scan# 11

Delta R.T. 0.036 min

Lab File: VN078040.D

Acq: 05 Jun 2023 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#01

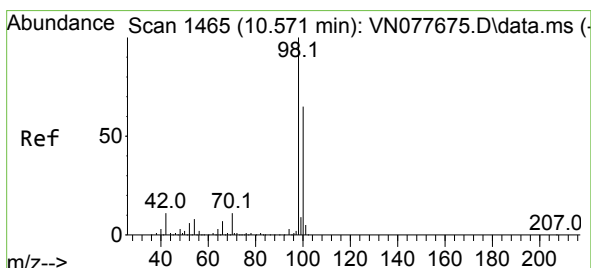
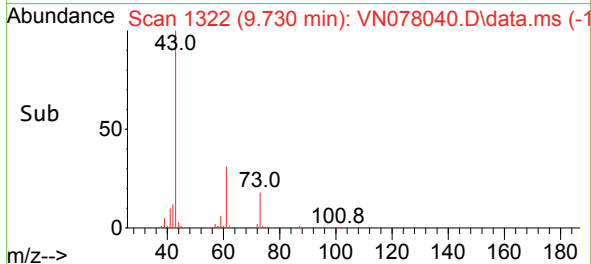
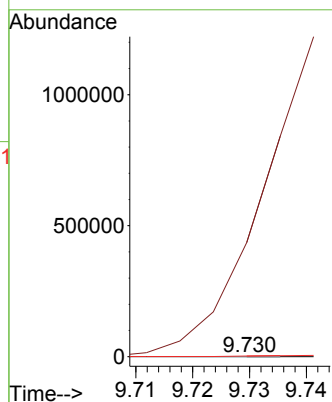
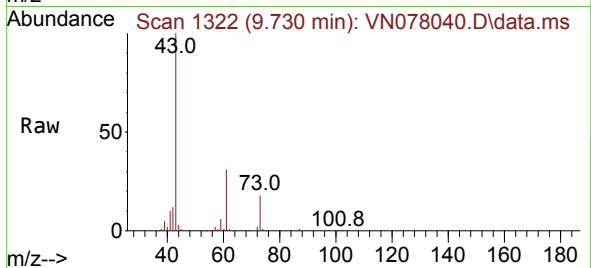
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 50.567 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078040.D

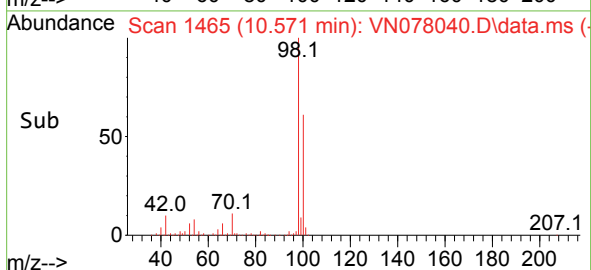
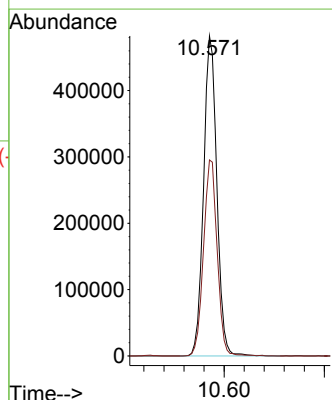
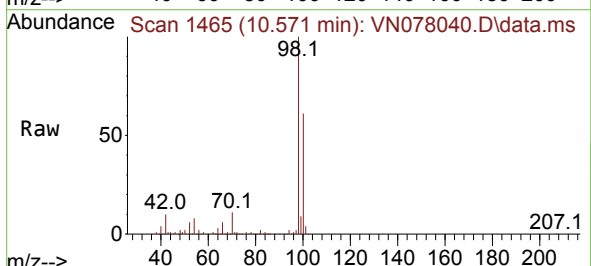
Acq: 05 Jun 2023 13:33

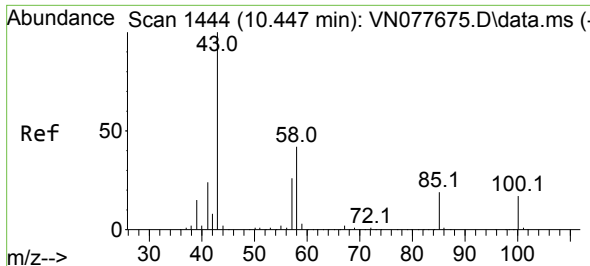
Tgt Ion: 98 Resp: 885756

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0

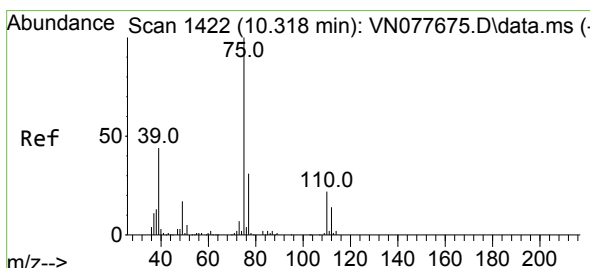
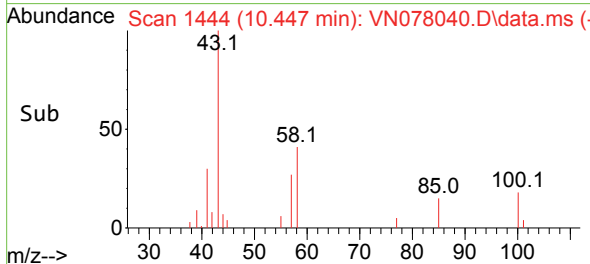
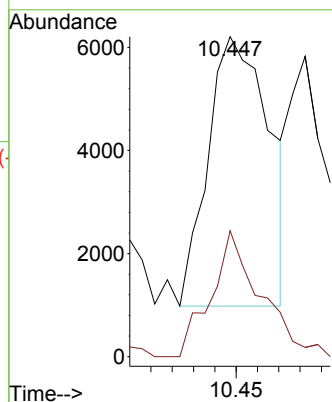
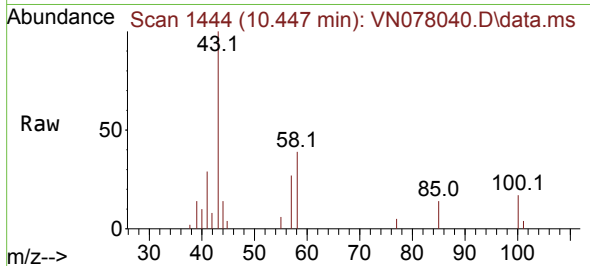




#51
4-Methyl-2-Pentanone
Concen: 1.803 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

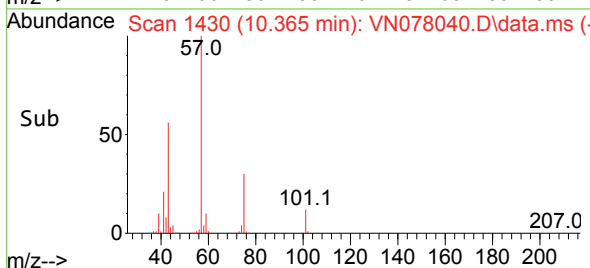
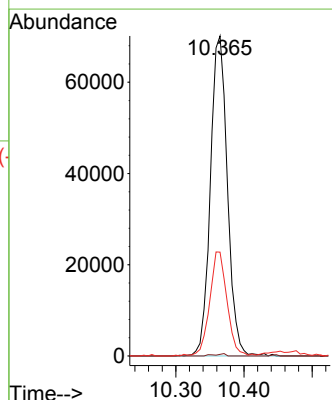
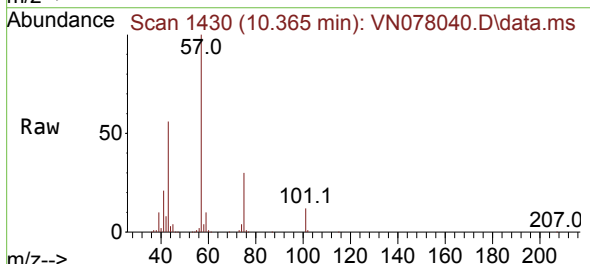
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

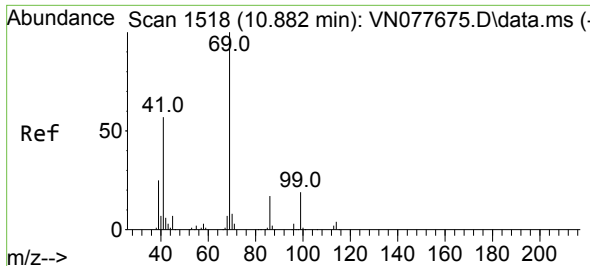
Tgt Ion: 43 Resp: 10388
Ion Ratio Lower Upper
43 100
58 38.0 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 15.220 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Tgt Ion: 75 Resp: 121908
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 32.4 31.6 47.4

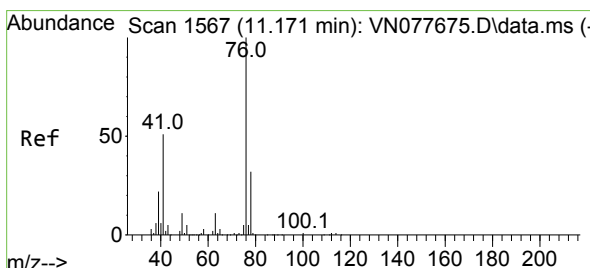
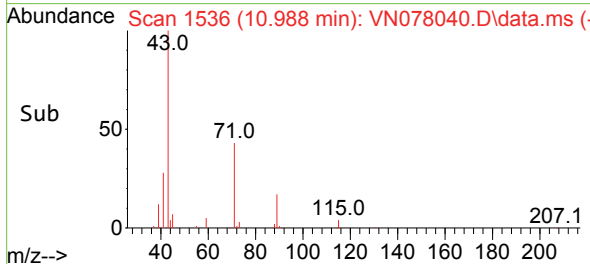
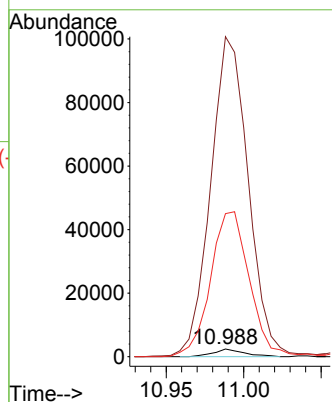
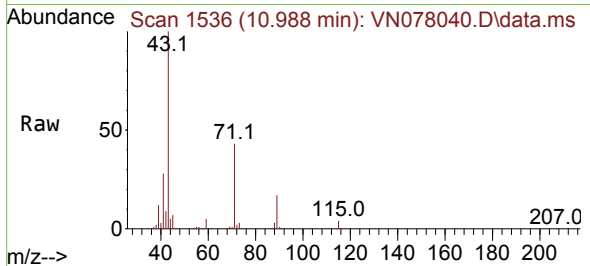




#56
Ethyl methacrylate
Concen: 0.453 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

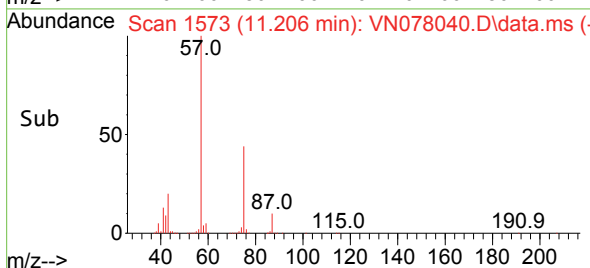
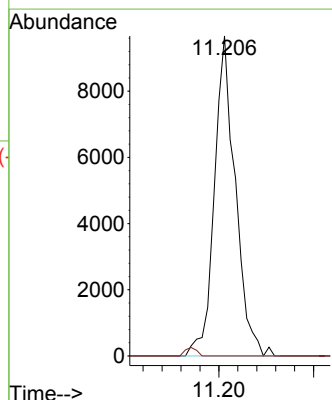
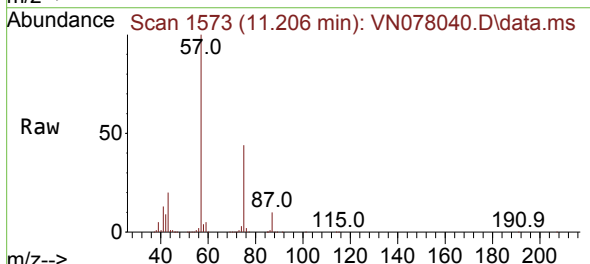
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

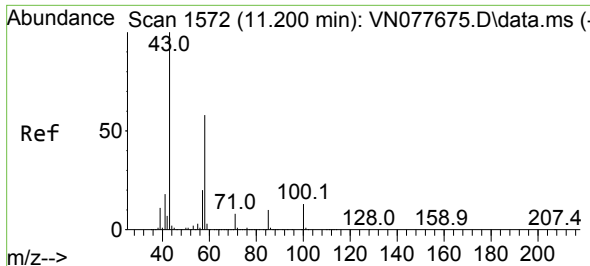
Tgt Ion: 69 Resp: 3327
Ion Ratio Lower Upper
69 100
41 5134.0 39.6 59.4#
39 2393.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.784 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Tgt Ion: 76 Resp: 14851
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

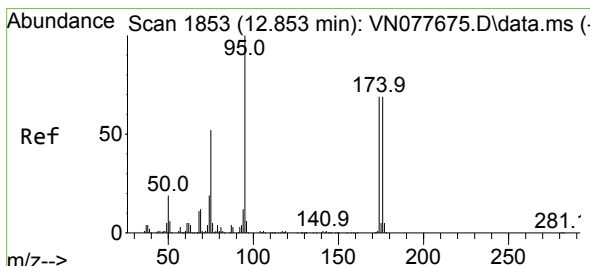
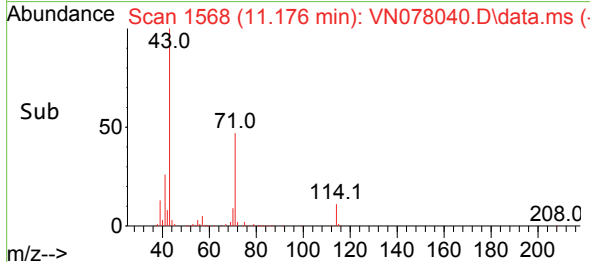
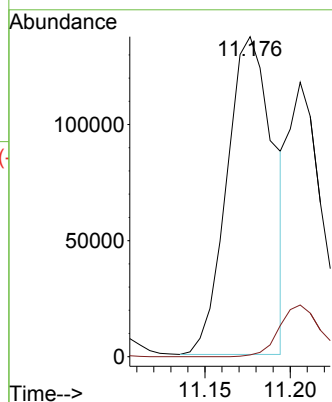
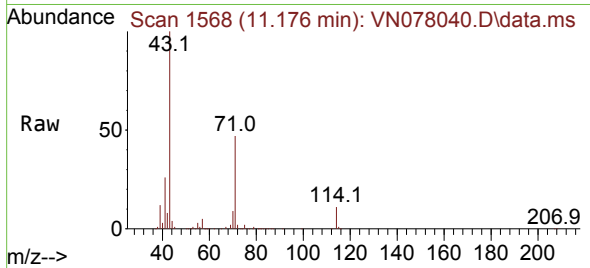




#59
2-Hexanone
Concen: 60.918 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

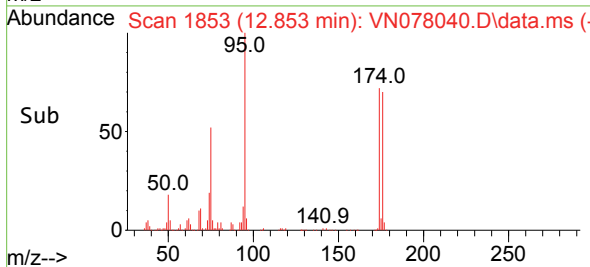
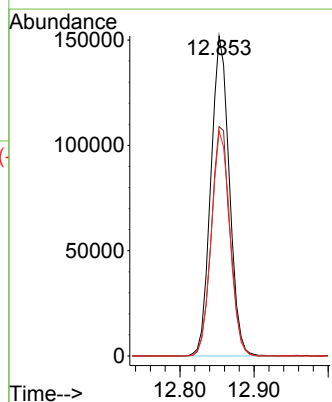
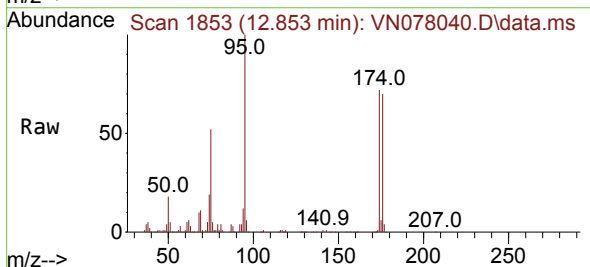
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#01

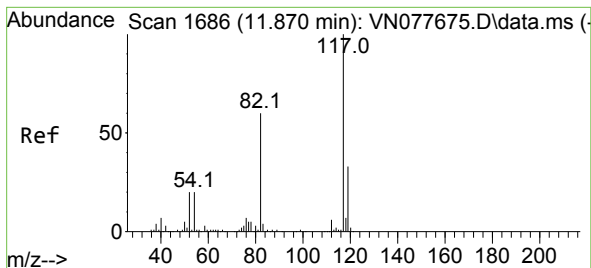
Tgt Ion: 43 Resp: 259548
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 42.368 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078040.D
Acq: 05 Jun 2023 13:33

Tgt Ion: 95 Resp: 262107
Ion Ratio Lower Upper
95 100
174 72.6 0.0 143.8
176 70.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN078040.D

Acq: 05 Jun 2023 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#01

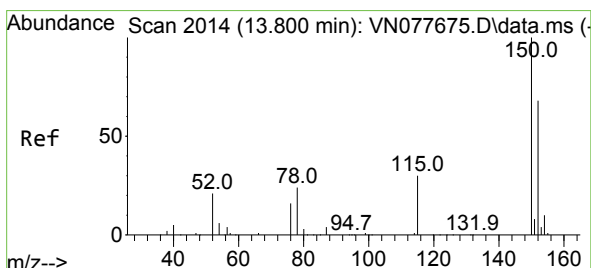
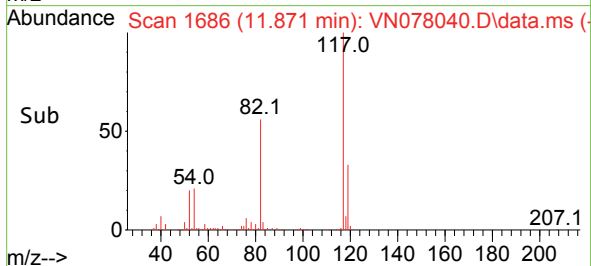
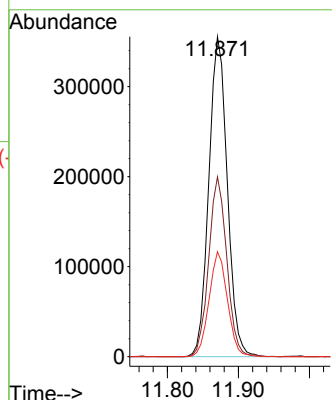
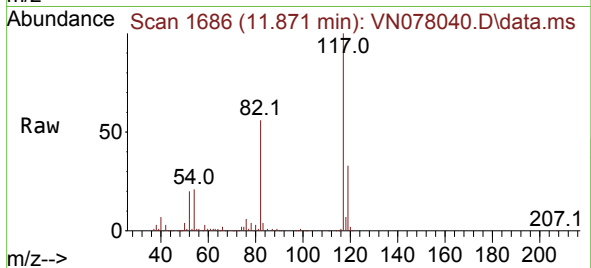
Tgt Ion:117 Resp: 642314

Ion Ratio Lower Upper

117 100

82 56.2 44.0 66.0

119 32.8 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: VN078040.D

Acq: 05 Jun 2023 13:33

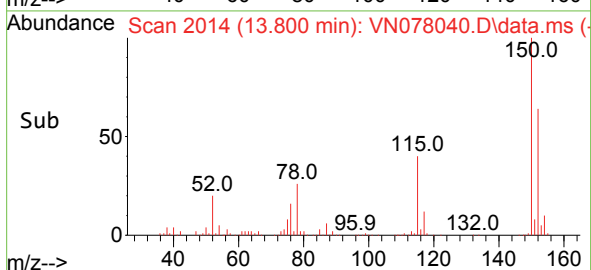
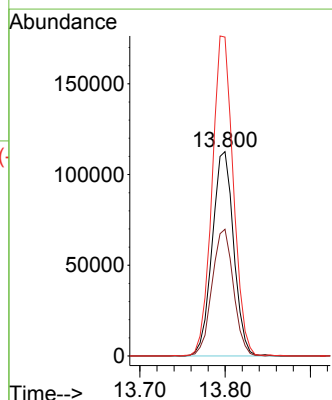
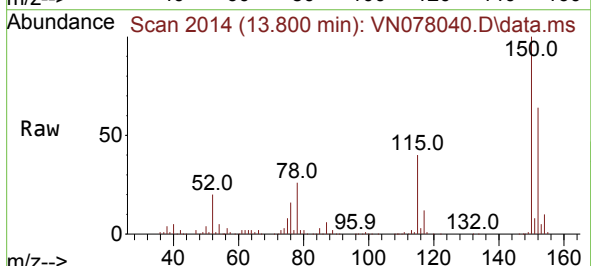
Tgt Ion:152 Resp: 196980

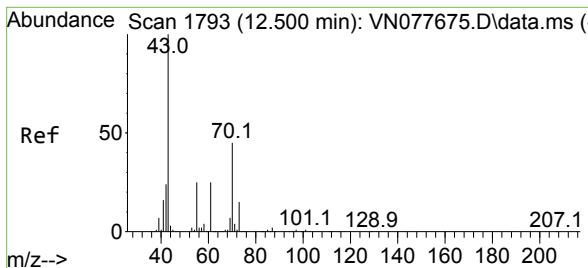
Ion Ratio Lower Upper

152 100

115 61.9 32.3 96.8

150 154.9 0.0 355.8





#74

N-amy1 acetate

Concen: 0.628 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078040.D

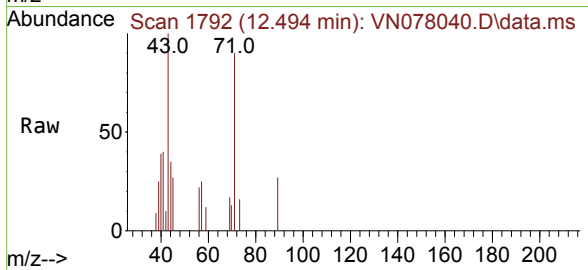
Acq: 05 Jun 2023 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#01



Tgt Ion: 43 Resp: 3939

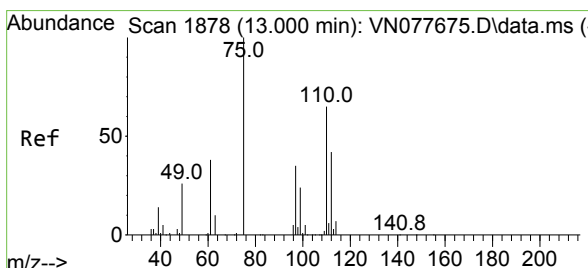
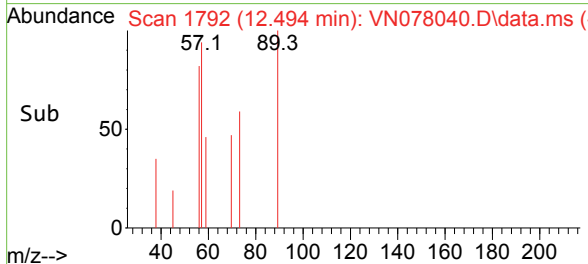
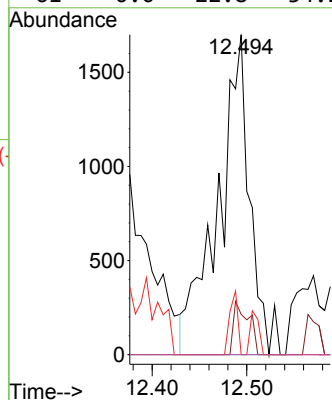
Ion Ratio Lower Upper

43 100

70 8.0 43.4 65.2#

55 5.1 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 27.347 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078040.D

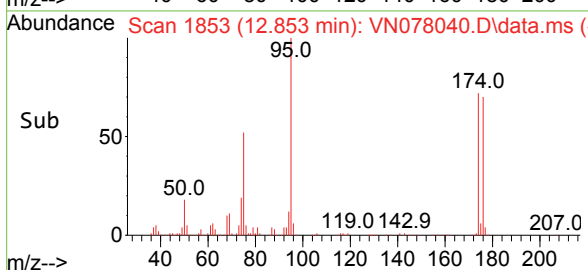
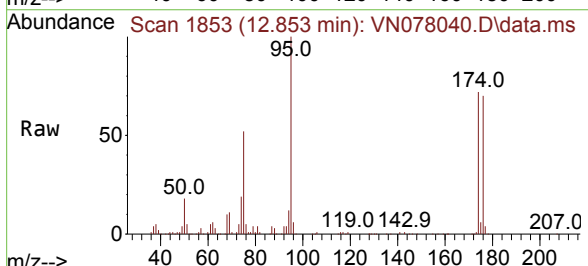
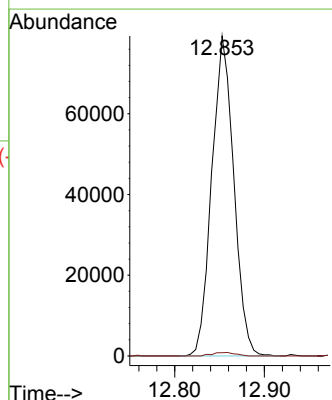
Acq: 05 Jun 2023 13:33

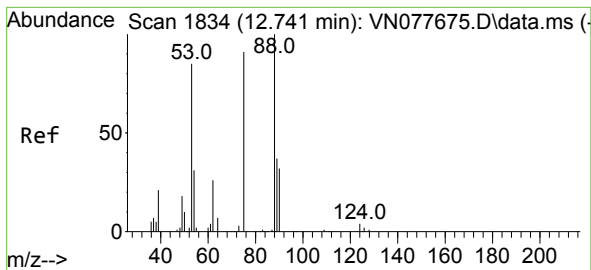
Tgt Ion: 75 Resp: 134906

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.416 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078040.D
 Acq: 05 Jun 2023 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#01

Tgt Ion: 75 Resp: 134906
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

