

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078050.D
 Acq On : 05 Jun 2023 17:33
 Operator : JC\MD
 Sample : PB153198ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#11

Quant Time: Jun 06 02:04:48 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)

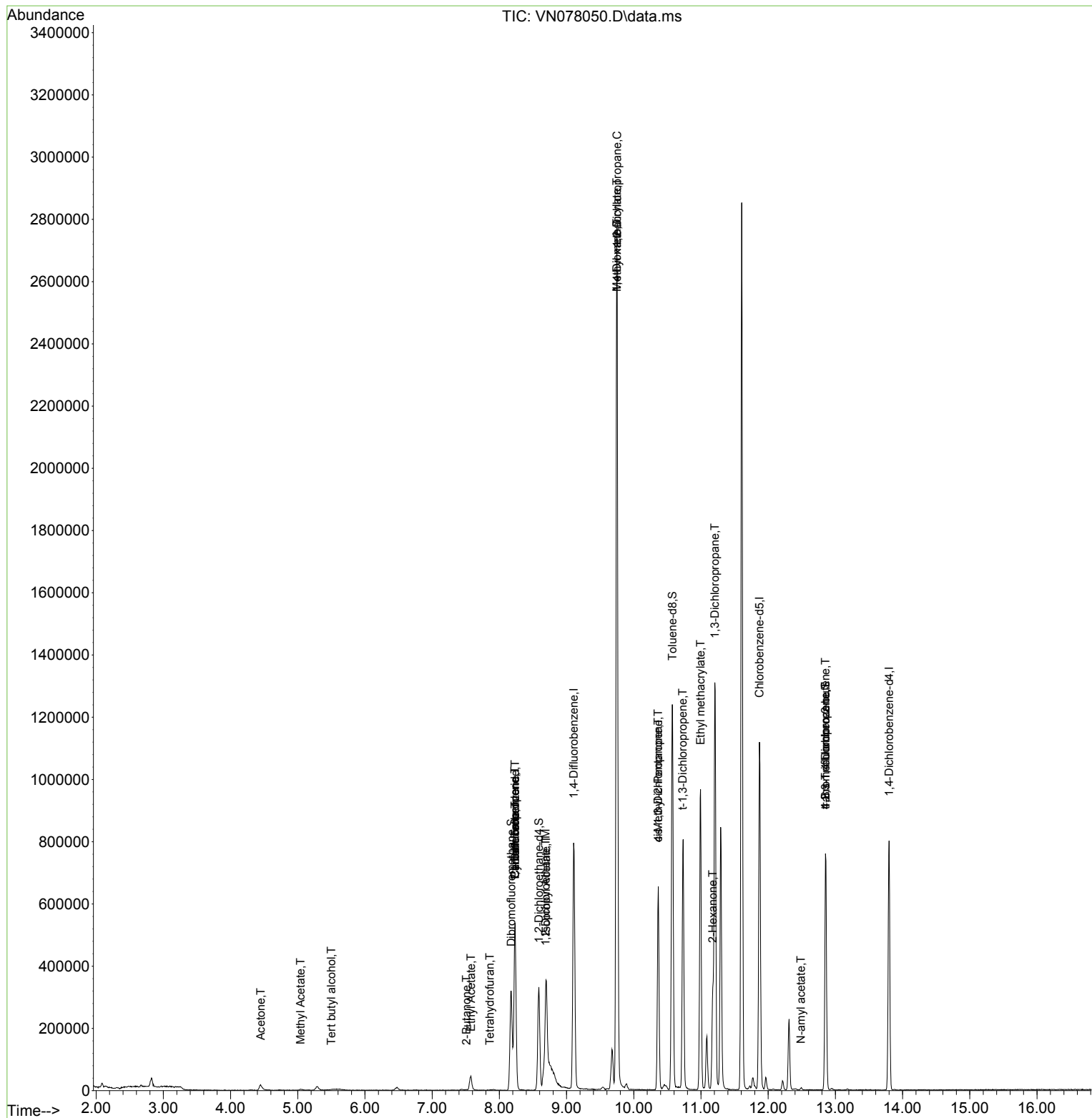
Internal Standards						
1) Pentafluorobenzene	8.236	168	384651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	719729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	671158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	218822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	264079	45.884	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.760%		
35) Dibromofluoromethane	8.177	113	228855	48.762	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.520%		
50) Toluene-d8	10.577	98	903222	49.999	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.000%		
62) 4-Bromofluorobenzene	12.853	95	271241	42.514	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1232	Below Cal	#	42
11) Tert butyl alcohol	5.500	59	546	0.687	ug/l #	72
13) Acrolein	4.200	56	228	Below Cal	#	16
16) Acetone	4.448	43	29662	16.381	ug/l	95
18) Methyl Acetate	5.042	43	6617	0.871	ug/l #	78
25) 2-Butanone	7.512	43	2748	0.970	ug/l	96
29) Tetrahydrofuran	7.859	42	679	0.366	ug/l #	39
31) Cyclohexane	8.236	56	9063	1.159	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	33651	4.902	ug/l #	47
37) Ethyl Acetate	7.577	43	66324	10.840	ug/l	99
38) Carbon Tetrachloride	8.236	117	40532	5.847	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	2735	0.372	ug/l #	73
43) Isopropyl Acetate	8.694	43	603782	60.415	ug/l #	68
45) 1,2-Dichloropropane	9.753	63	3758	0.727	ug/l #	45
48) Methyl methacrylate	9.747	41	245874	51.890	ug/l #	29
49) 1,4-Dioxane	9.747	88	570	6.369	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	227340	38.269	ug/l #	41
53) t-1,3-Dichloropropene	10.729	75	2684	0.358	ug/l #	74
54) cis-1,3-Dichloropropene	10.365	75	122516	14.831	ug/l #	67
56) Ethyl methacrylate	10.994	69	3786	0.500	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	15521	1.808	ug/l #	42
59) 2-Hexanone	11.176	43	250517	57.014	ug/l #	19
74) N-amyl acetate	12.488	43	3359	0.482	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	144502	26.369	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	144502	84.288	ug/l #	15

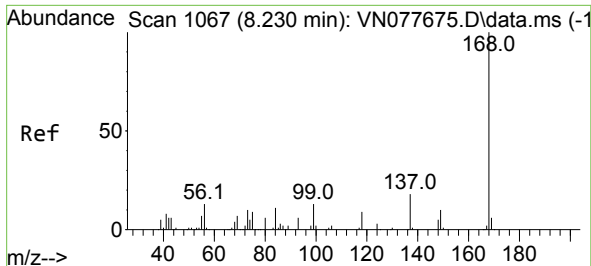
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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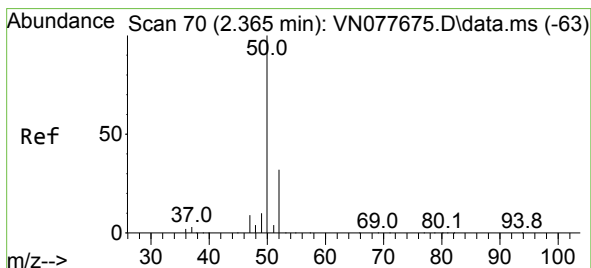
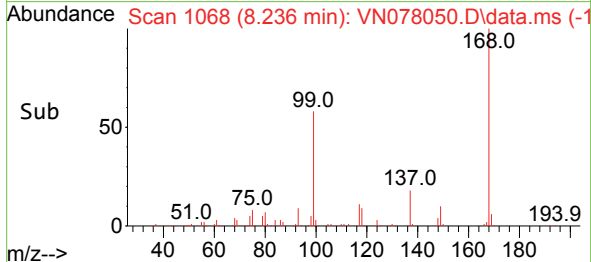
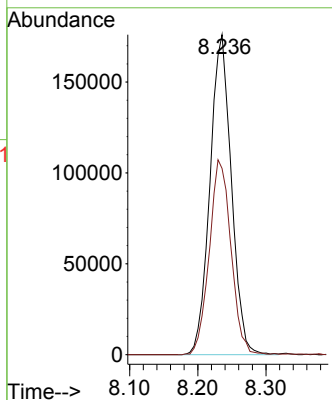
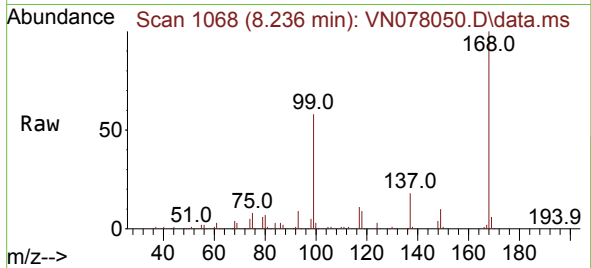




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

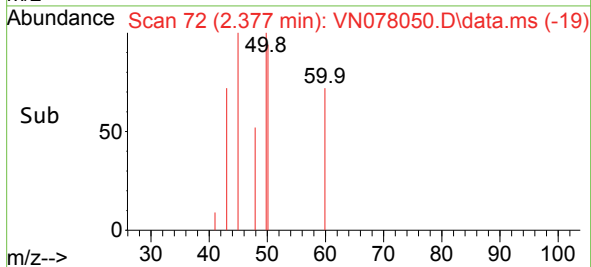
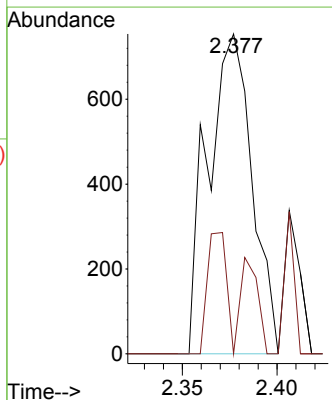
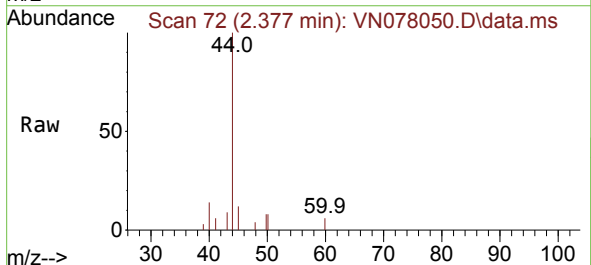
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#11

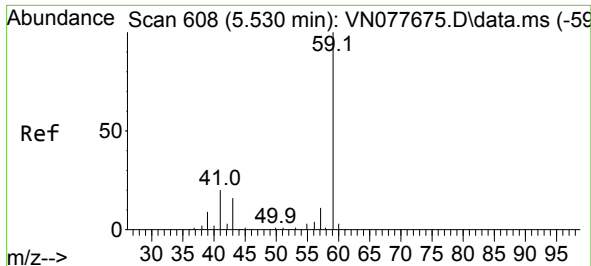
Tgt Ion:168 Resp: 384651
Ion Ratio Lower Upper
168 100
99 58.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 50 Resp: 1232
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

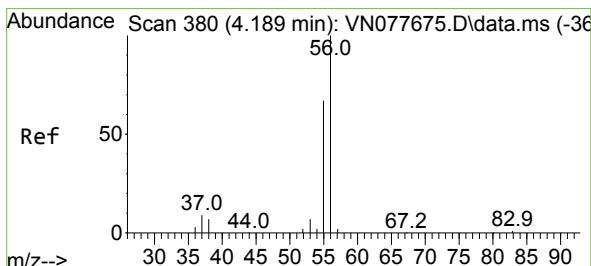
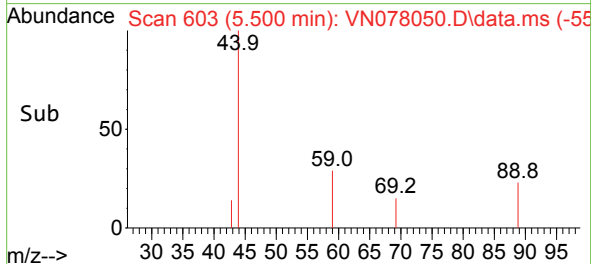
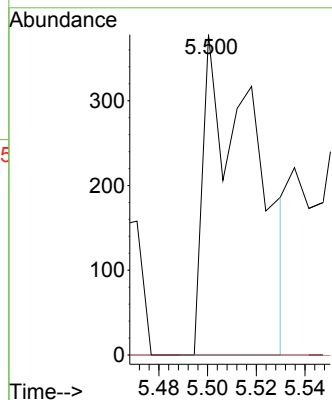
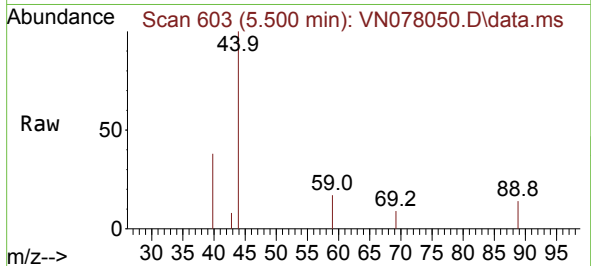




#11
Tert butyl alcohol
Concen: 0.687 ug/l
RT: 5.500 min Scan# 608
Delta R.T. -0.030 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

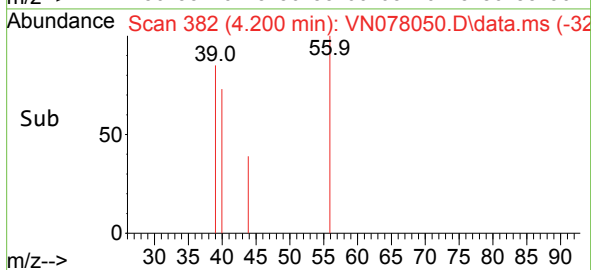
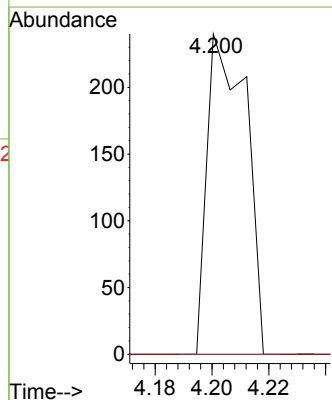
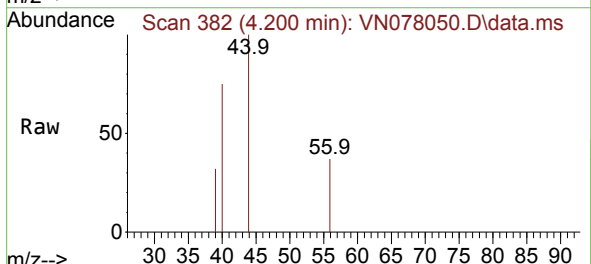
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#11

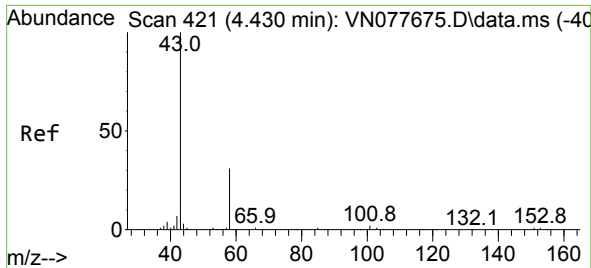
Tgt Ion: 59 Resp: 546
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

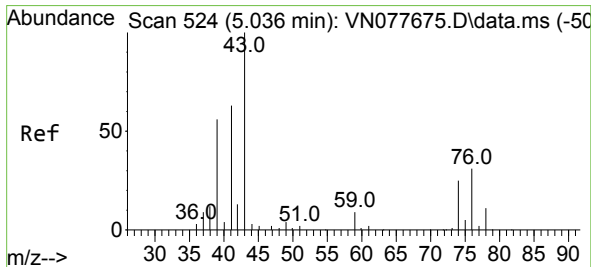
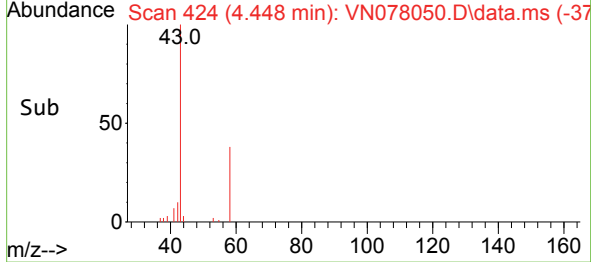
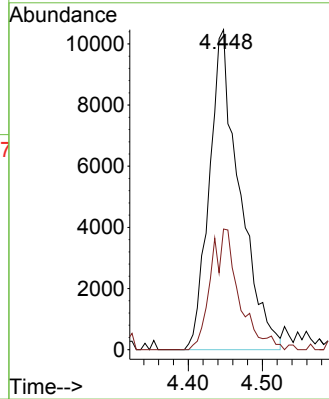
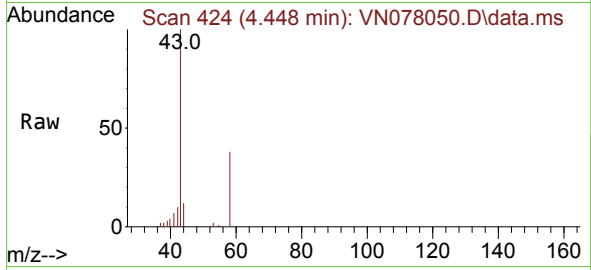




#16
Acetone
Concen: 16.381 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

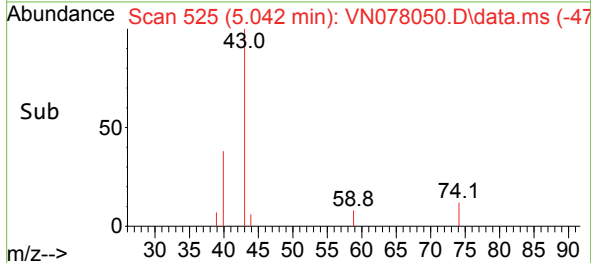
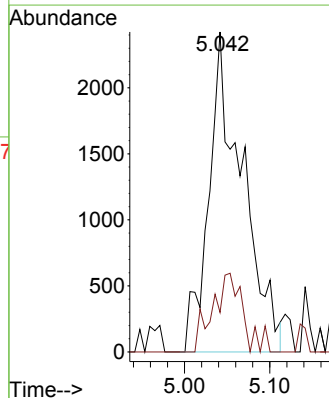
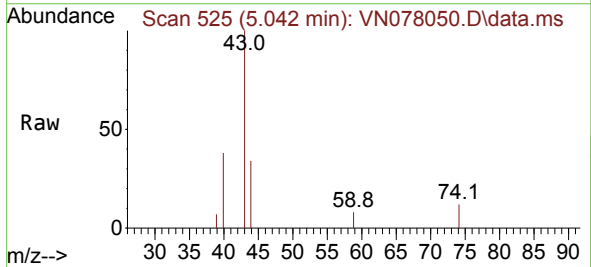
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#11

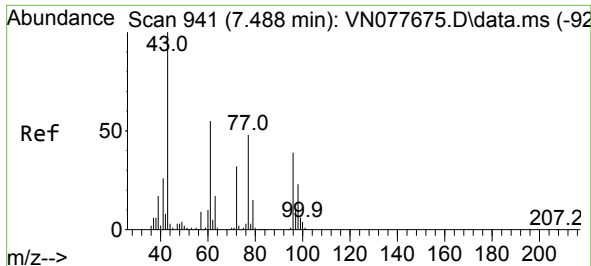
Tgt Ion: 43 Resp: 29662
Ion Ratio Lower Upper
43 100
58 37.7 28.0 42.0



#18
Methyl Acetate
Concen: 0.871 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 43 Resp: 6617
Ion Ratio Lower Upper
43 100
74 20.2 26.2 39.4#





#25

2-Butanone

Concen: 0.970 ug/l

RT: 7.512 min Scan# 941

Delta R.T. 0.024 min

Lab File: VN078050.D

Acq: 05 Jun 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

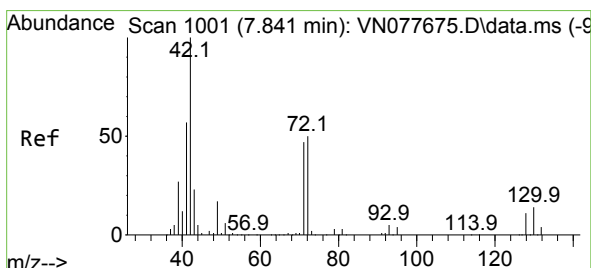
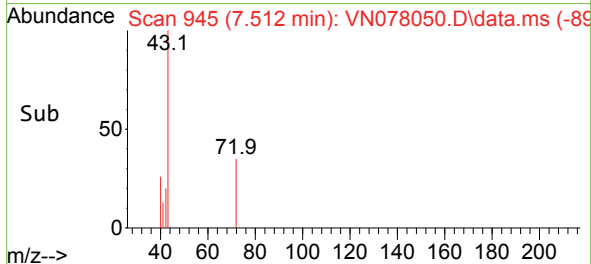
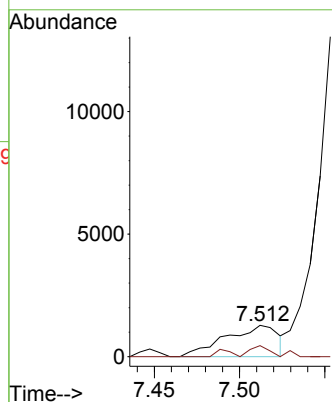
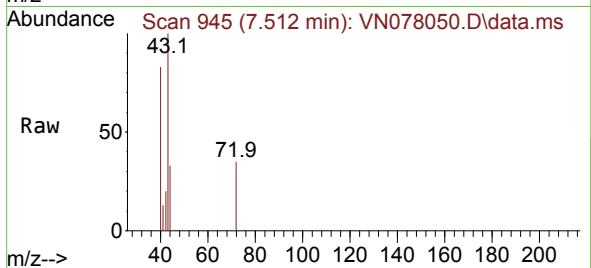
PB153198ZHE#11

Tgt Ion: 43 Resp: 2748

Ion Ratio Lower Upper

43 100

72 35.1 30.2 45.2



#29

Tetrahydrofuran

Concen: 0.366 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

Lab File: VN078050.D

Acq: 05 Jun 2023 17:33

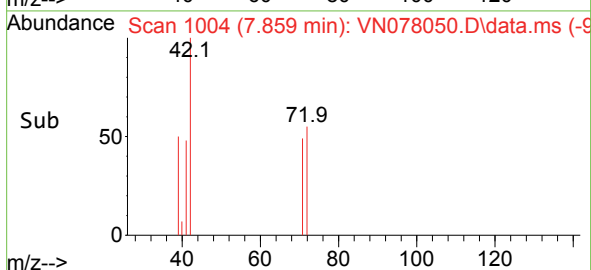
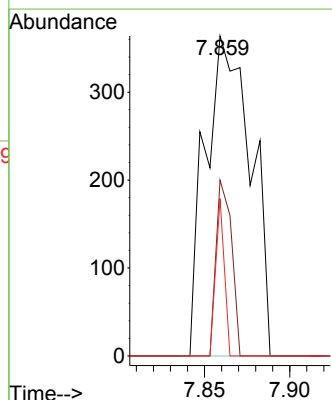
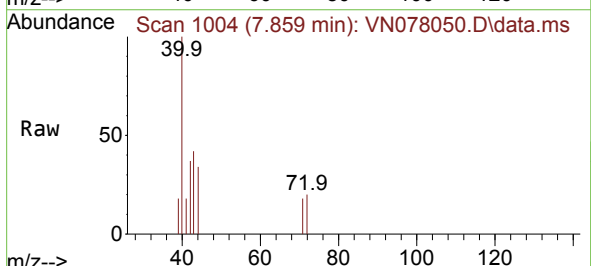
Tgt Ion: 42 Resp: 679

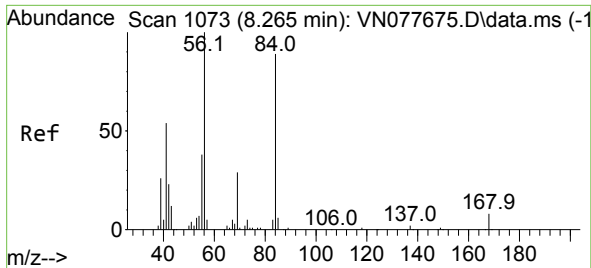
Ion Ratio Lower Upper

42 100

72 18.7 49.8 74.6#

71 9.3 47.4 71.2#

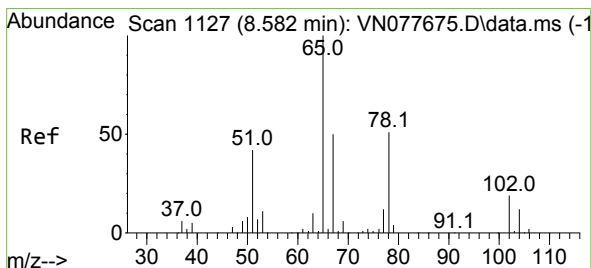
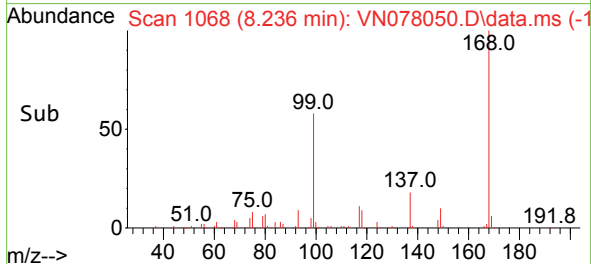
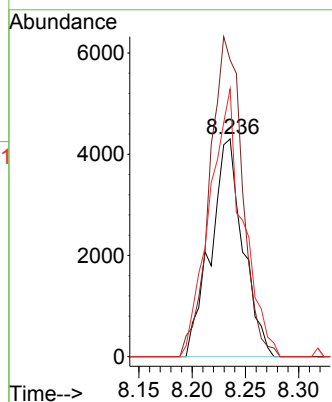
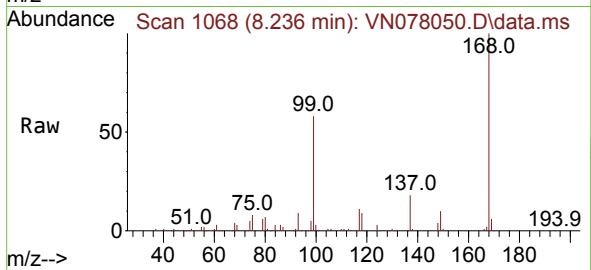




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

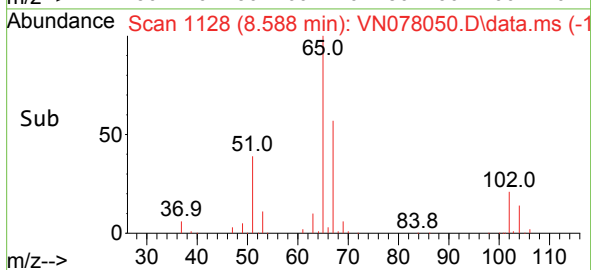
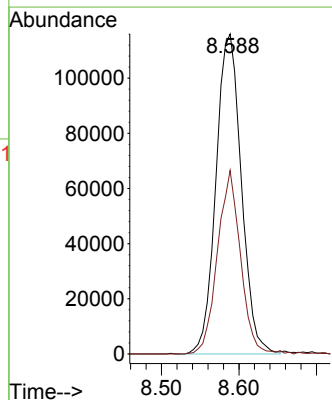
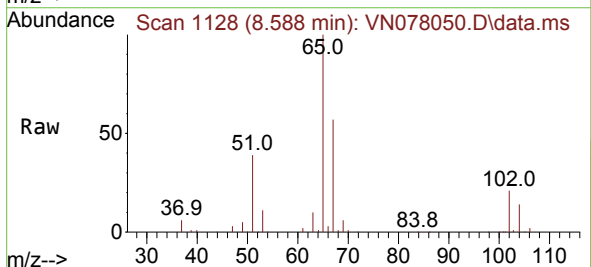
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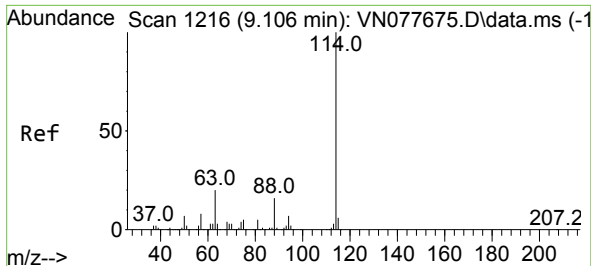
Tgt Ion: 56 Resp: 9063
Ion Ratio Lower Upper
56 100
69 136.2 26.8 40.2#
84 123.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.884 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 65 Resp: 264079
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6

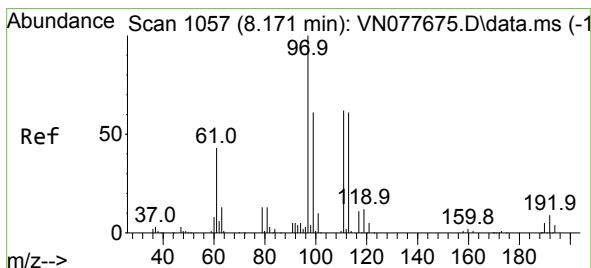
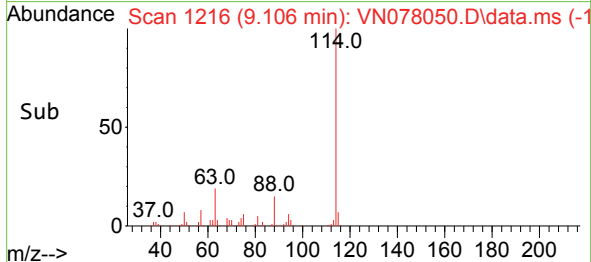
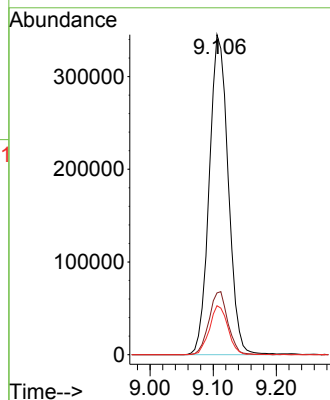
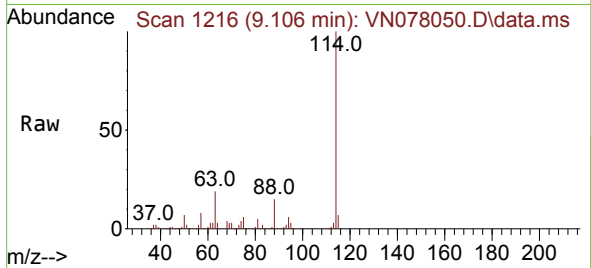




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

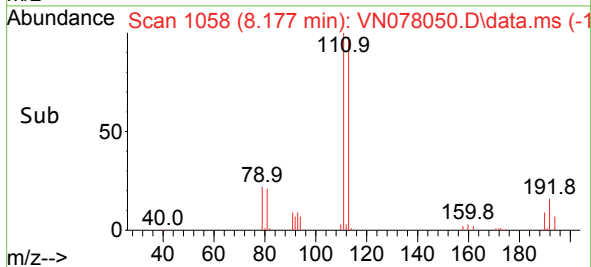
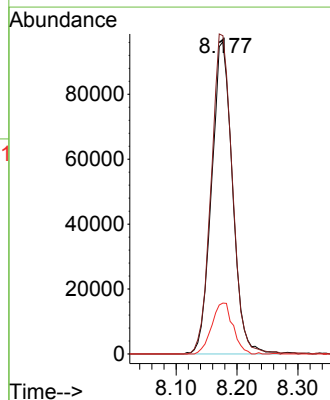
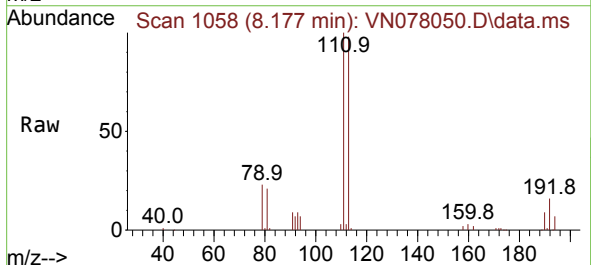
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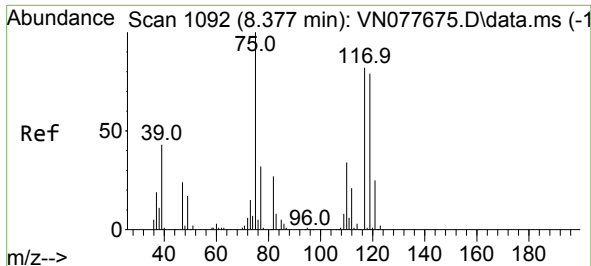
Tgt Ion:114 Resp: 719729
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.762 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion:113 Resp: 228855
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 16.5 12.7 19.1

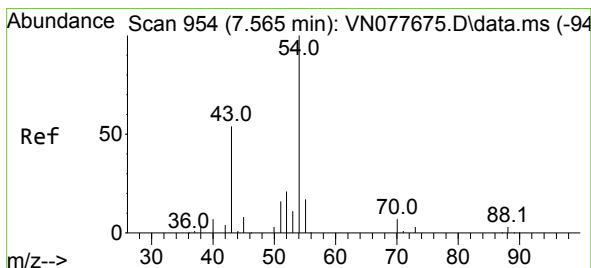
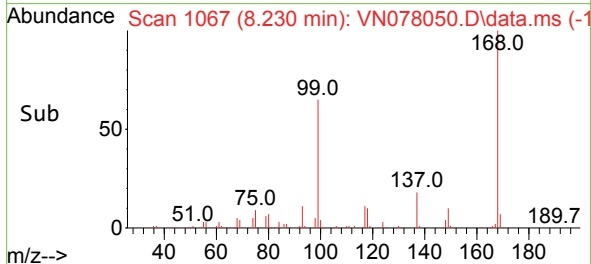
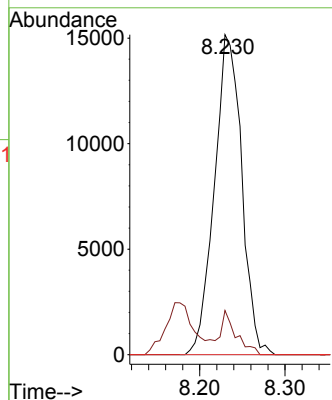
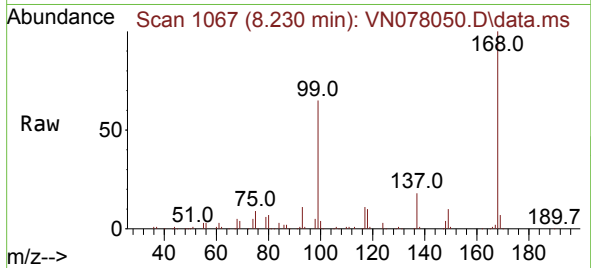




#36
1,1-Dichloropropene
Concen: 4.902 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

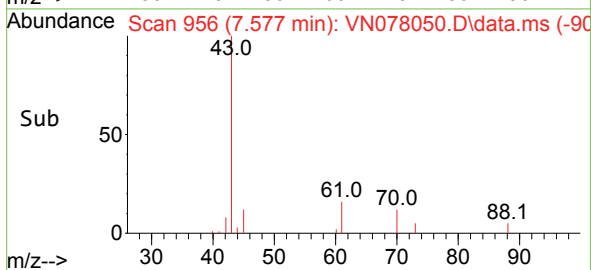
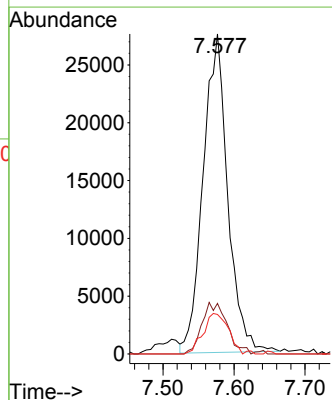
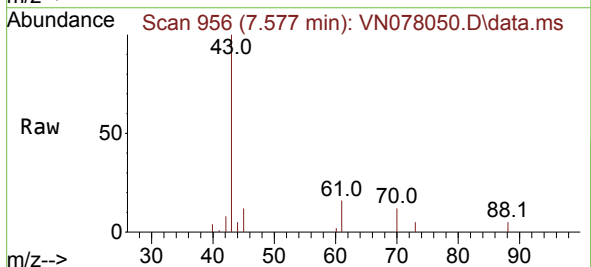
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ClientSampleId :
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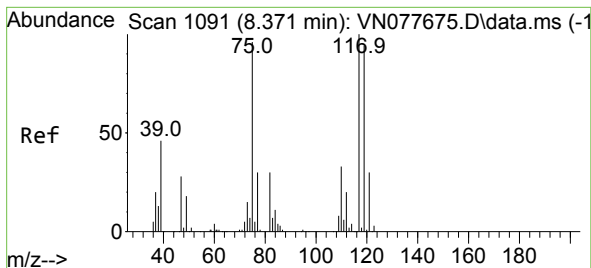
Tgt Ion: 75 Resp: 33651
Ion Ratio Lower Upper
75 100
110 7.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.840 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 43 Resp: 66324
Ion Ratio Lower Upper
43 100
61 16.6 13.2 19.8
70 13.2 11.3 16.9





#38

Carbon Tetrachloride

Concen: 5.847 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN078050.D

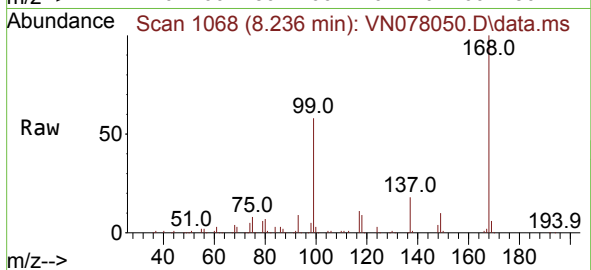
Acq: 05 Jun 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#11



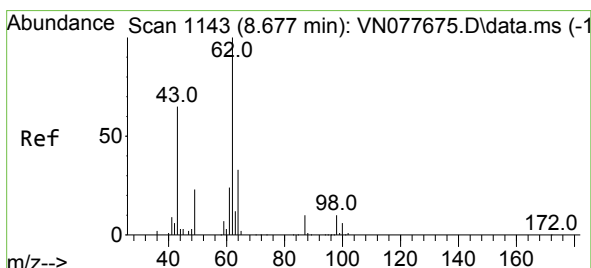
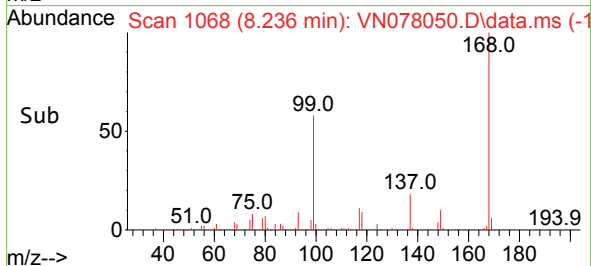
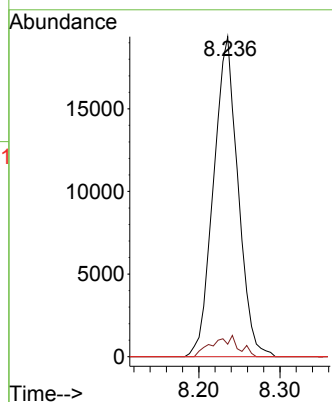
Tgt Ion:117 Resp: 40532

Ion Ratio Lower Upper

117 100

119 3.9 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.372 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN078050.D

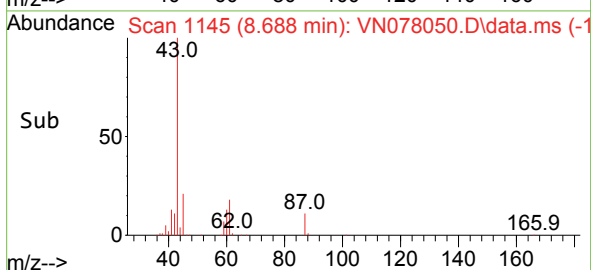
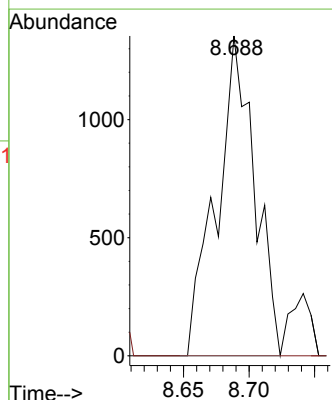
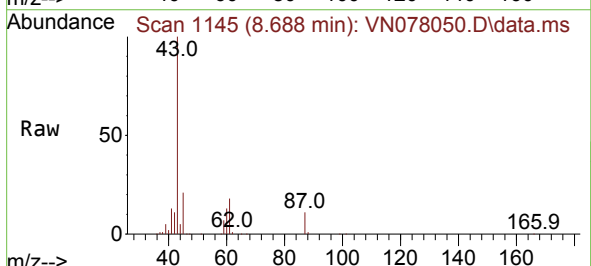
Acq: 05 Jun 2023 17:33

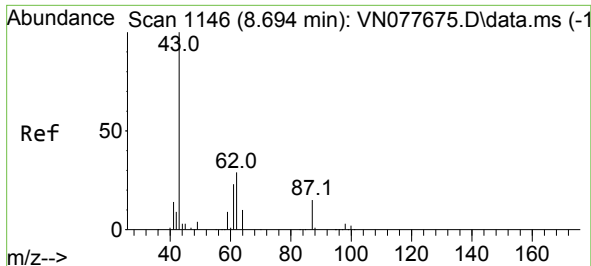
Tgt Ion: 62 Resp: 2735

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

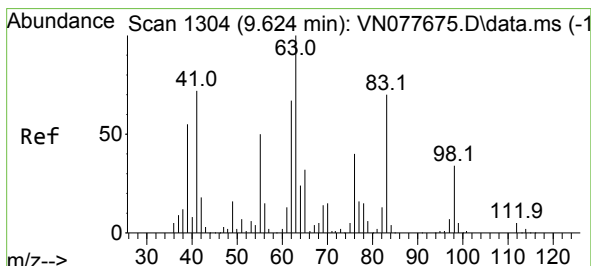
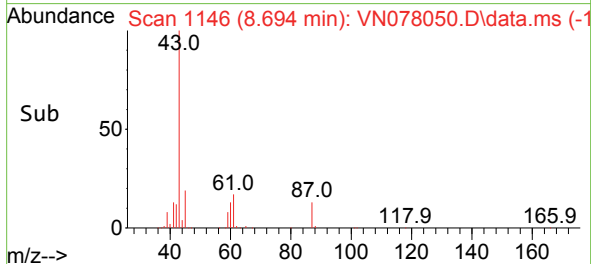
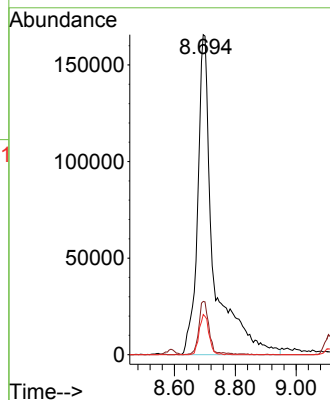
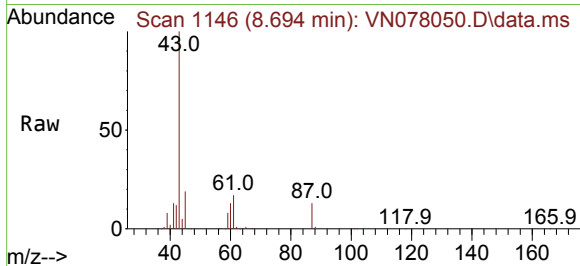




#43
Isopropyl Acetate
Concen: 60.415 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

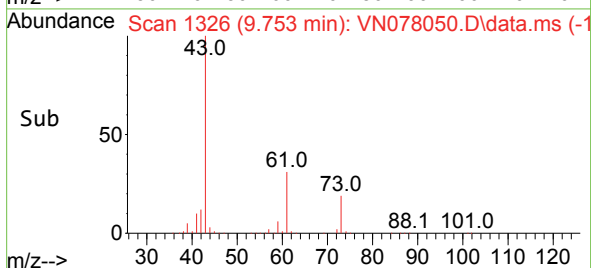
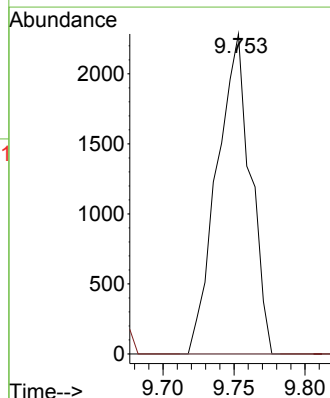
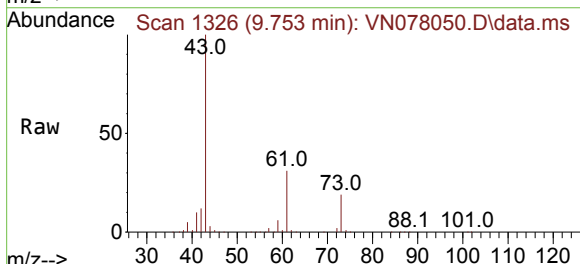
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#11

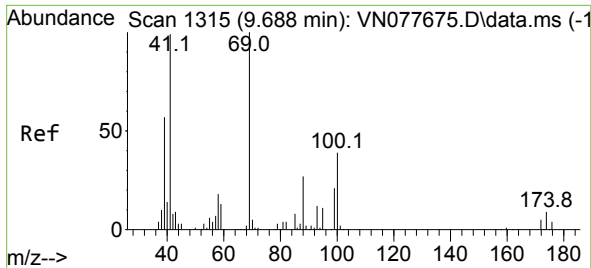
Tgt Ion: 43 Resp: 603782
Ion Ratio Lower Upper
43 100
61 10.7 24.7 37.1#
87 7.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.727 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 63 Resp: 3758
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

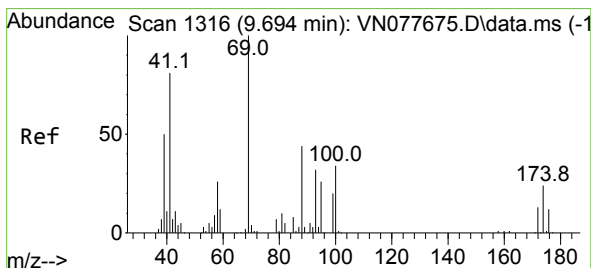
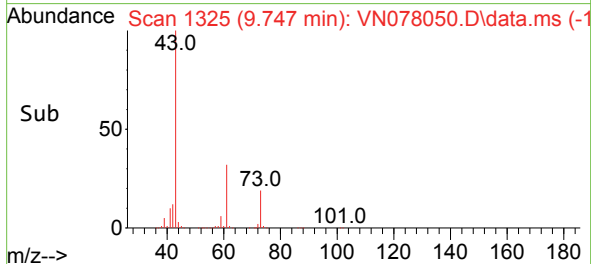
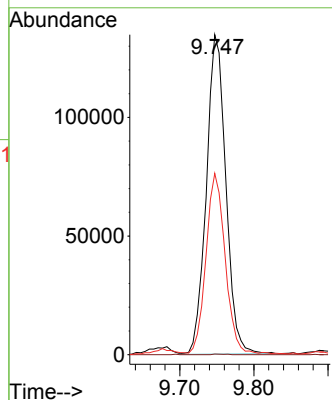
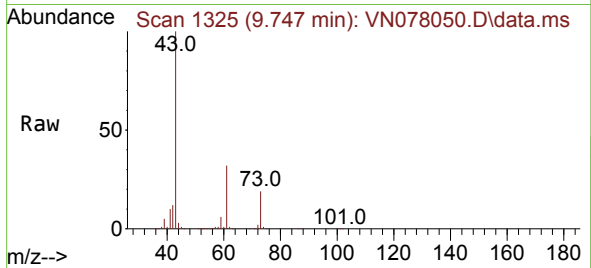




#48
Methyl methacrylate
Concen: 51.890 ug/l
RT: 9.747 min Scan# 1315
Delta R.T. 0.059 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

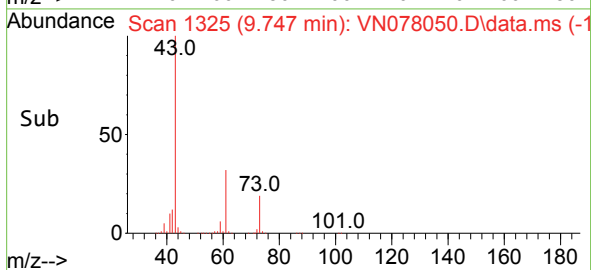
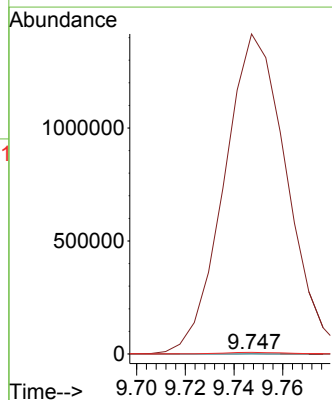
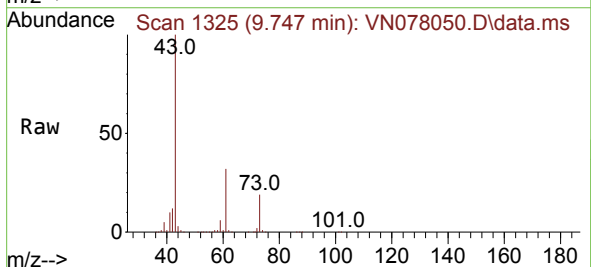
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#11

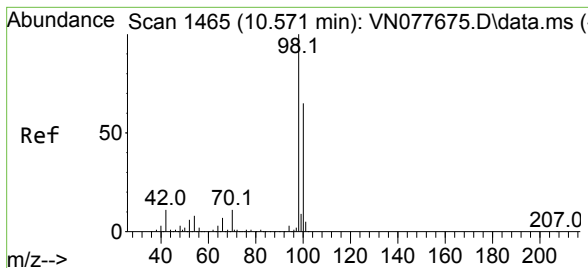
Tgt Ion: 41 Resp: 245874
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 56.7 54.6 81.8



#49
1,4-Dioxane
Concen: 6.369 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 88 Resp: 570
Ion Ratio Lower Upper
88 100
43 449947.9 17.0 25.6#
58 2273.7 47.0 70.4#





#50

Toluene-d8

Concen: 49.999 ug/l

RT: 10.577 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN078050.D

Acq: 05 Jun 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

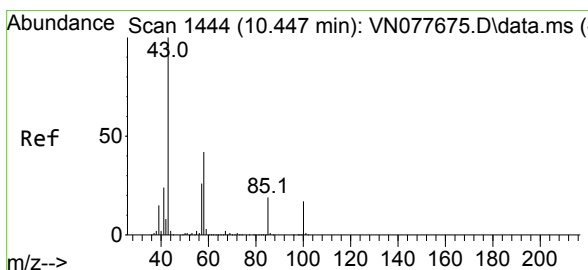
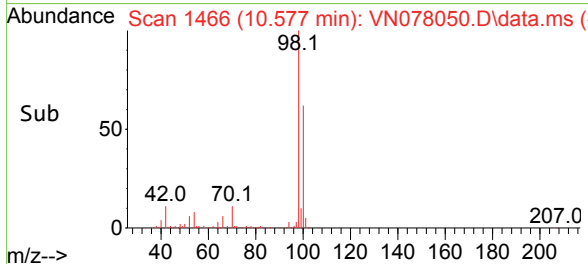
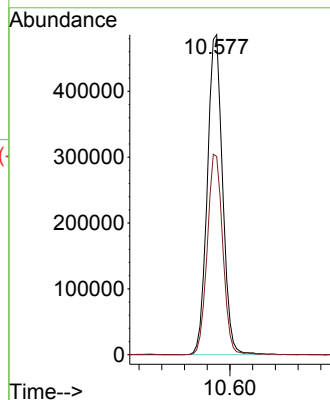
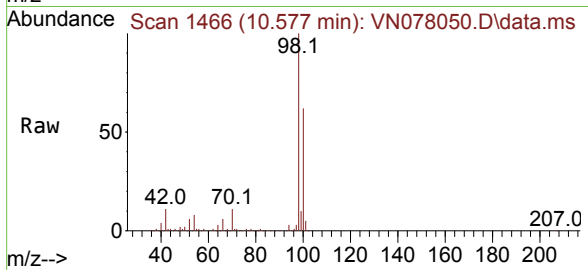
PB153198ZHE#11

Tgt Ion: 98 Resp: 903222

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 38.269 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. -0.082 min

Lab File: VN078050.D

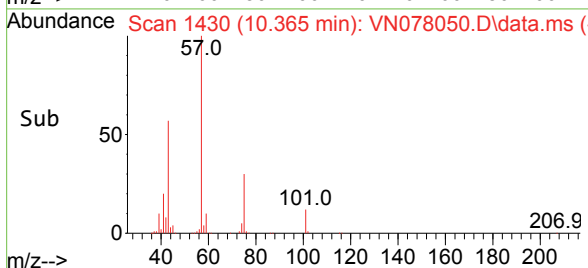
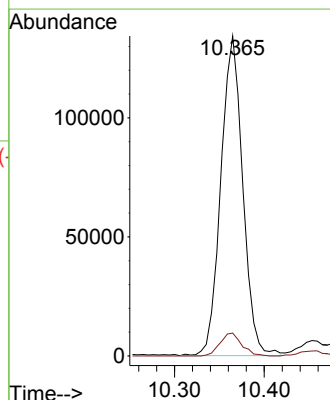
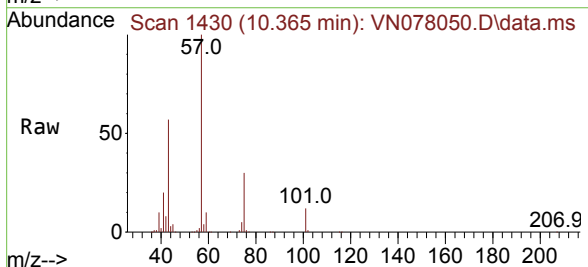
Acq: 05 Jun 2023 17:33

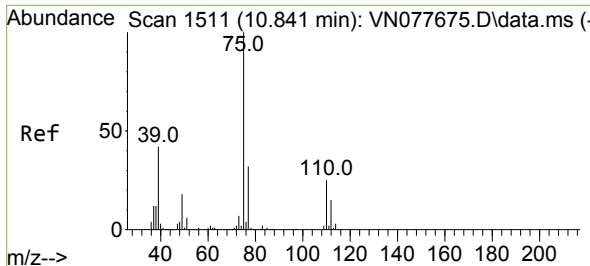
Tgt Ion: 43 Resp: 227340

Ion Ratio Lower Upper

43 100

58 7.1 36.6 54.8#

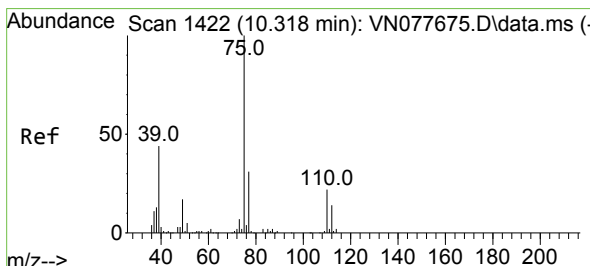
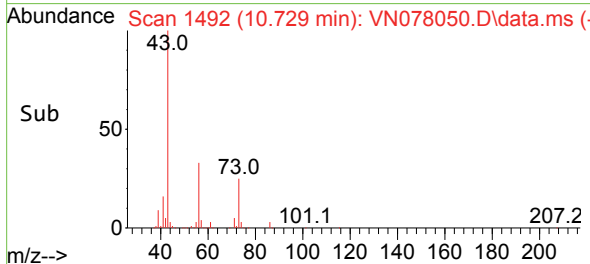
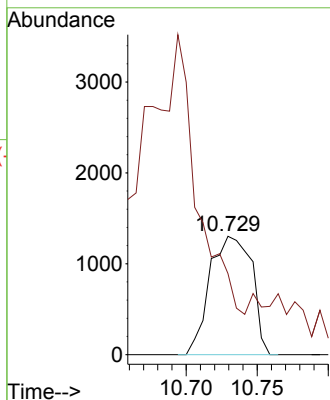
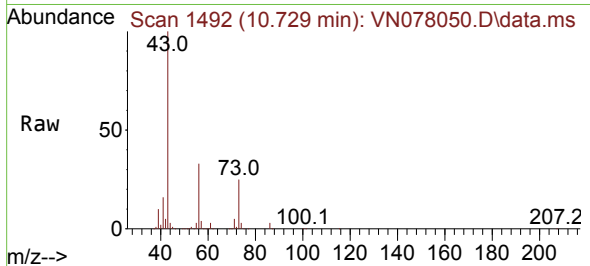




#53
 t-1,3-Dichloropropene
 Concen: 0.358 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN078050.D
 Acq: 05 Jun 2023 17:33

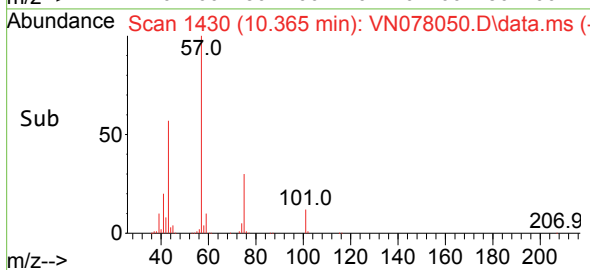
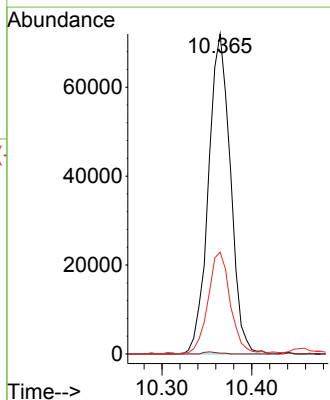
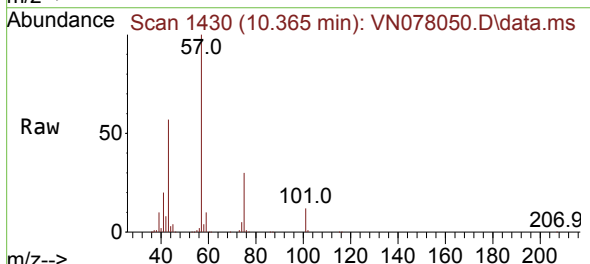
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#11

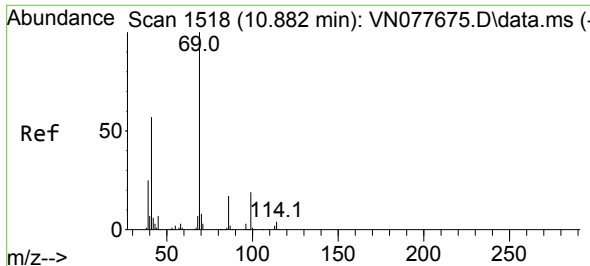
Tgt Ion: 75 Resp: 2684
 Ion Ratio Lower Upper
 75 100
 77 17.1 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.831 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078050.D
 Acq: 05 Jun 2023 17:33

Tgt Ion: 75 Resp: 122516
 Ion Ratio Lower Upper
 75 100
 77 0.2 26.1 39.1#
 39 31.8 31.6 47.4

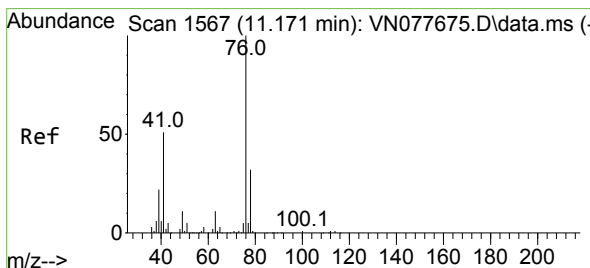
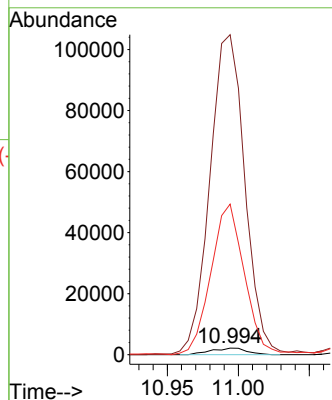
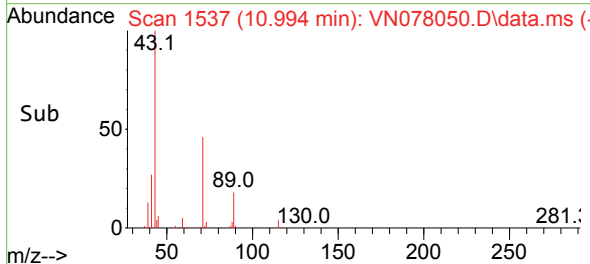
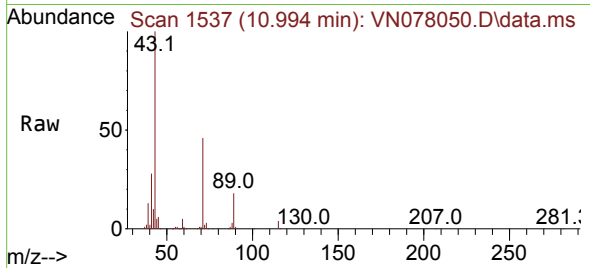




#56
Ethyl methacrylate
Concen: 0.500 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.112 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

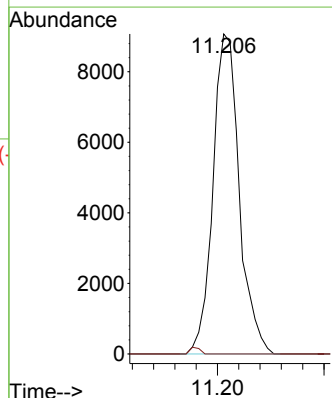
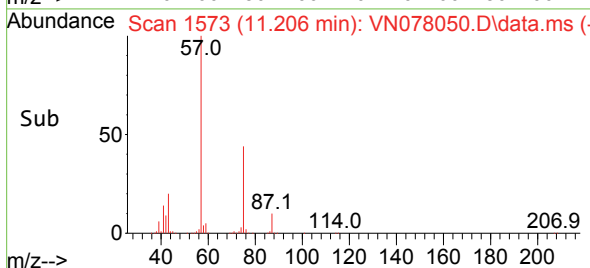
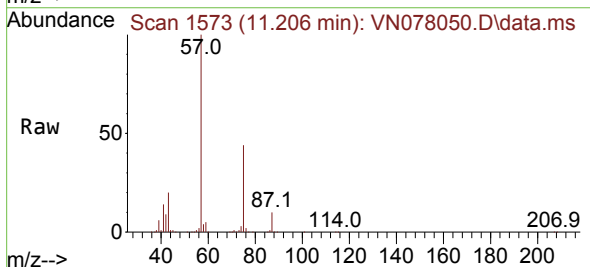
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#11

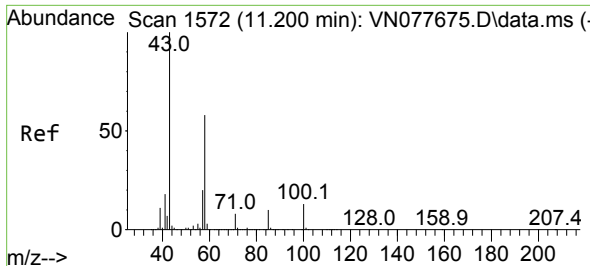
Tgt Ion: 69 Resp: 3786
Ion Ratio Lower Upper
69 100
41 4771.3 39.6 59.4#
39 2153.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.808 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 76 Resp: 15521
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

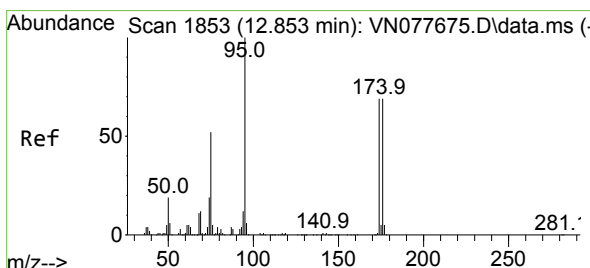
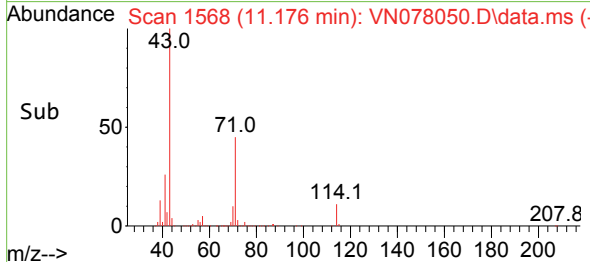
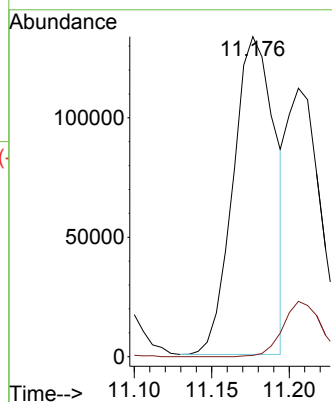
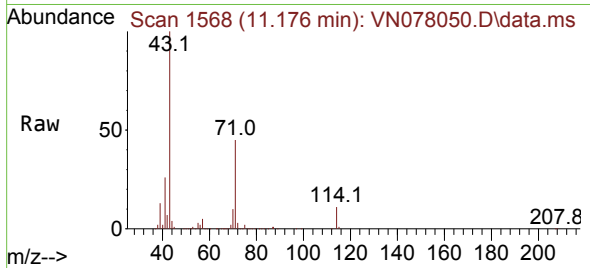




#59
2-Hexanone
Concen: 57.014 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

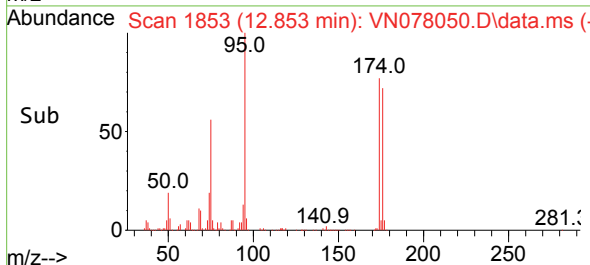
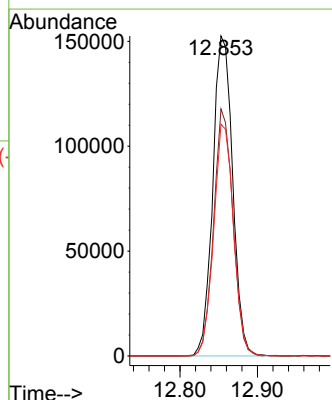
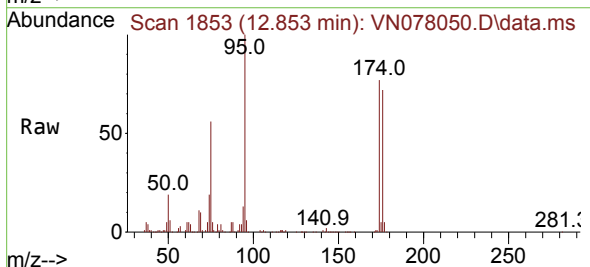
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#11

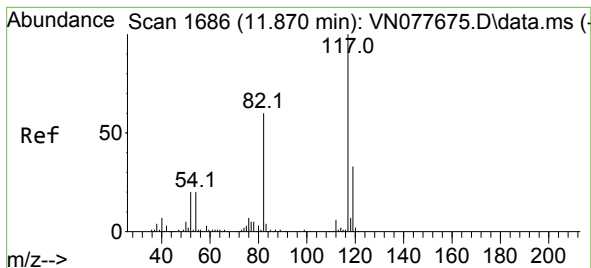
Tgt Ion: 43 Resp: 250517
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 42.514 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 95 Resp: 271241
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 72.4 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: VN078050.D

Acq: 05 Jun 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#11

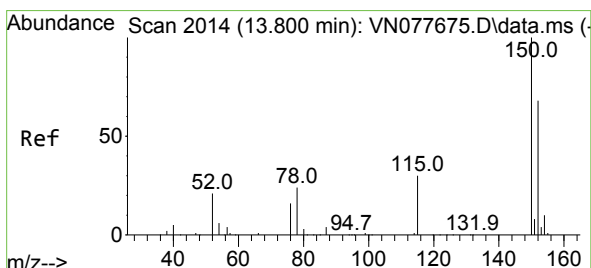
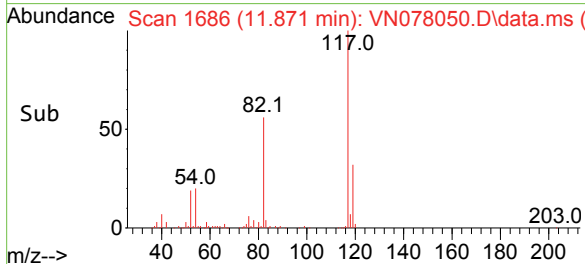
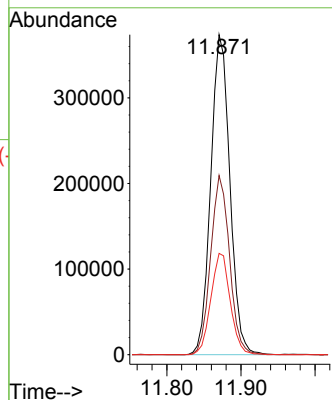
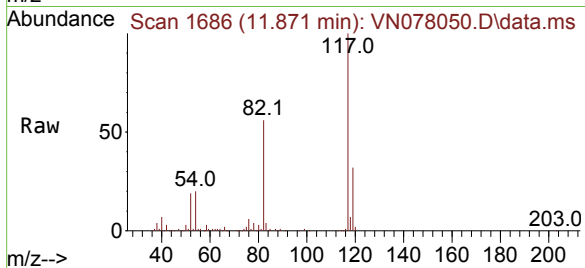
Tgt Ion:117 Resp: 671158

Ion Ratio Lower Upper

117 100

82 56.0 44.0 66.0

119 31.7 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: VN078050.D

Acq: 05 Jun 2023 17:33

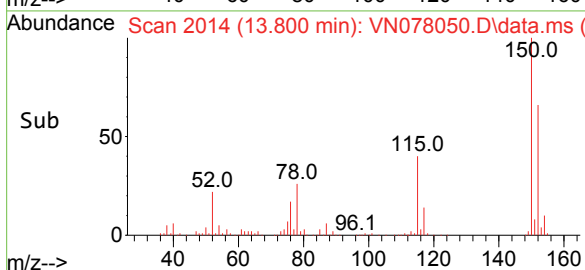
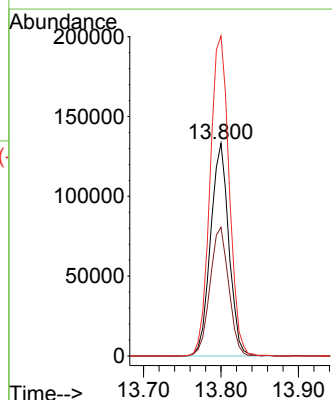
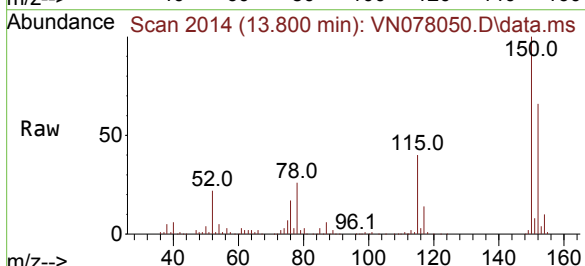
Tgt Ion:152 Resp: 218822

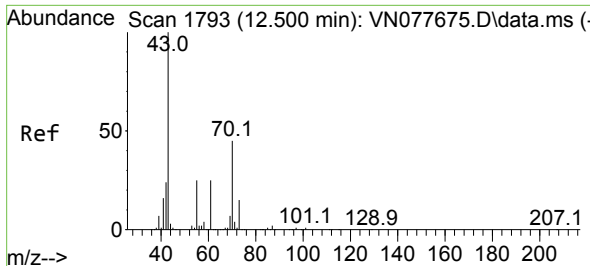
Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

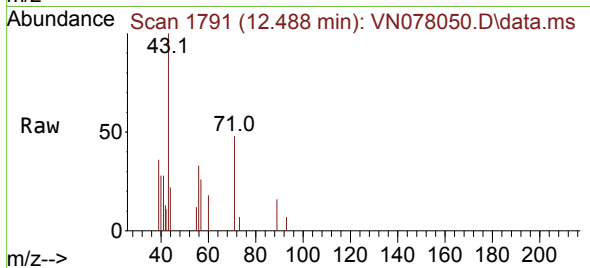
150 156.9 0.0 355.8



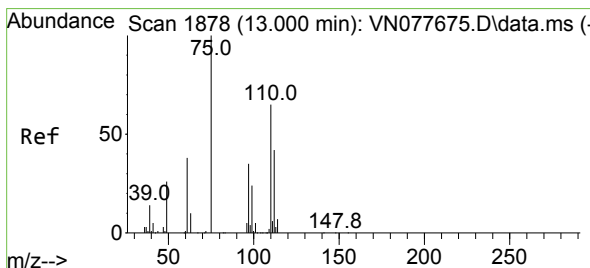
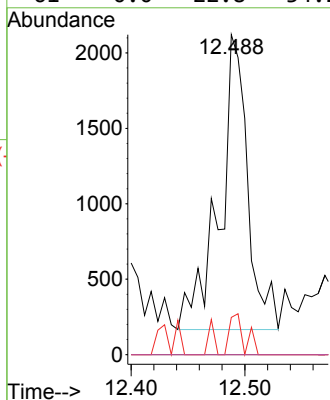
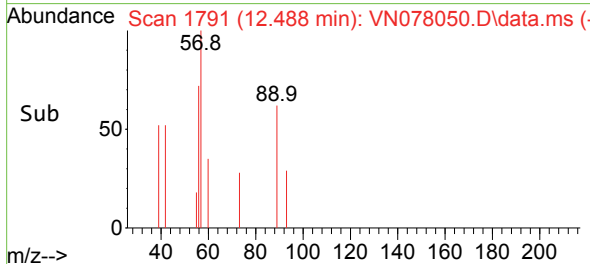


#74
N-amy1 acetate
Concen: 0.482 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#11

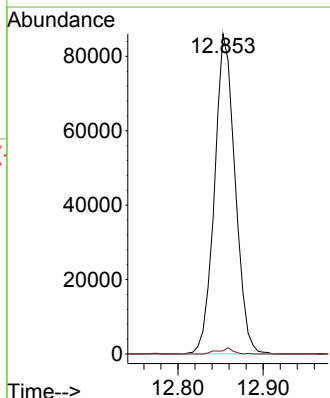
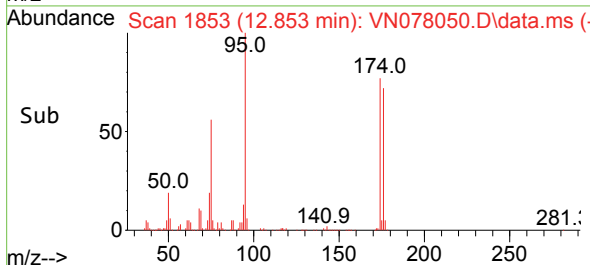
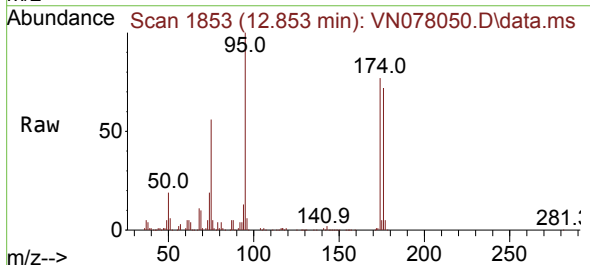


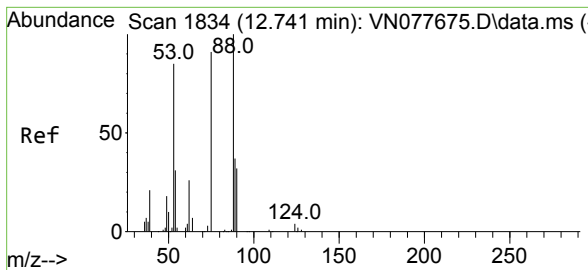
Tgt Ion: 43	Resp: 3359
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 7.4	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.369 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078050.D
Acq: 05 Jun 2023 17:33

Tgt Ion: 75	Resp: 144502
Ion Ratio	Lower Upper
75 100	
77 1.4	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.288 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078050.D
 Acq: 05 Jun 2023 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#11

Tgt Ion: 75 Resp: 144502
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

