

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078047.D
 Acq On : 05 Jun 2023 16:21
 Operator : JC\MD
 Sample : PB153198ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#08

Quant Time: Jun 06 02:03:32 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)

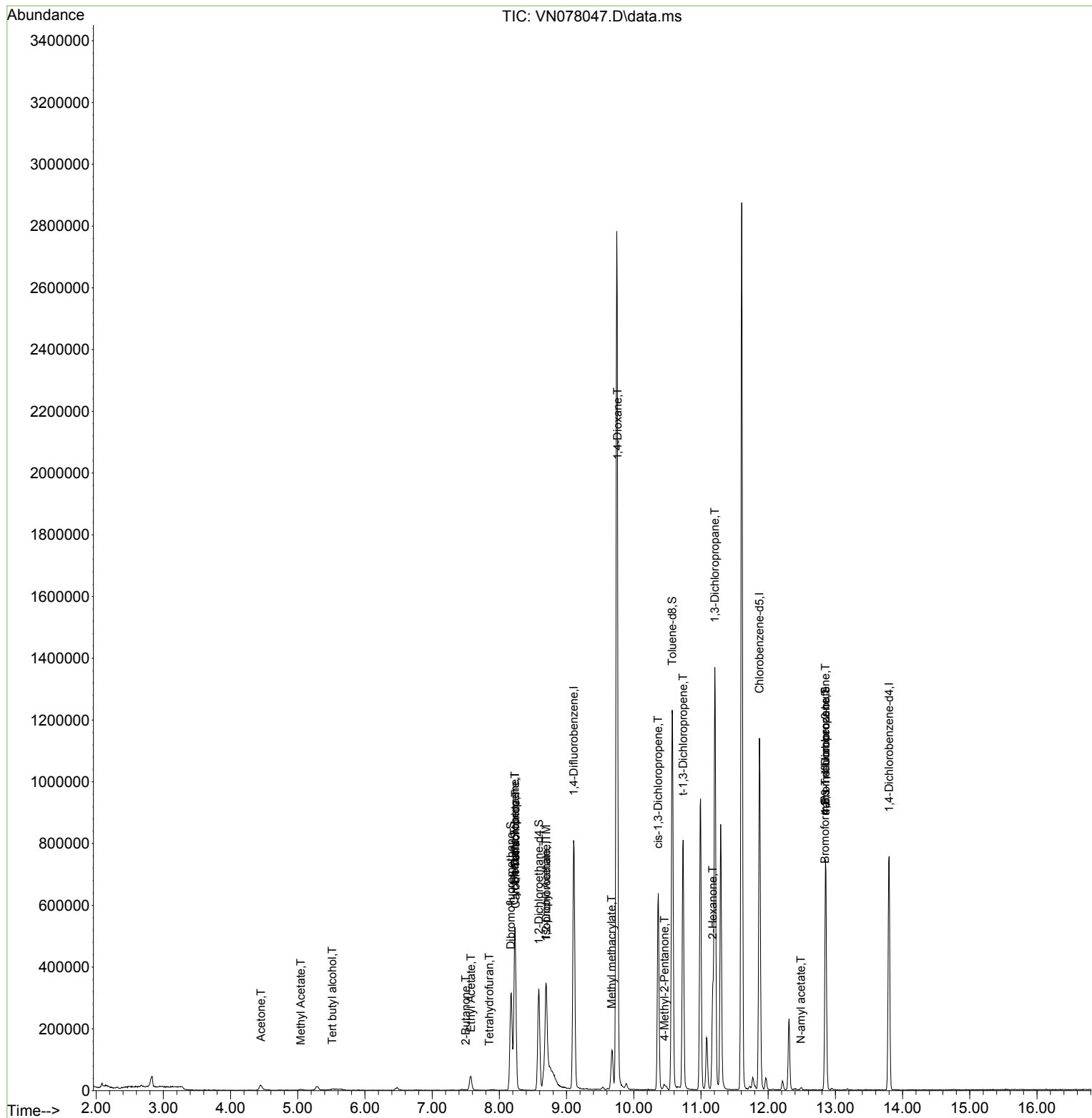
Internal Standards						
1) Pentafluorobenzene	8.230	168	386238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	726349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	663675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	209959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	269729	46.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.340%		
35) Dibromofluoromethane	8.171	113	235103	49.637	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.280%		
50) Toluene-d8	10.571	98	907298	49.767	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.540%		
62) 4-Bromofluorobenzene	12.853	95	264642	41.101	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.200%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1096	Below Cal		92
11) Tert butyl alcohol	5.512	59	573	0.718 ug/l #		72
13) Acrolein	4.195	56	115	Below Cal #		16
16) Acetone	4.453	43	31124	17.118 ug/l #		77
18) Methyl Acetate	5.047	43	5285	0.693 ug/l #		73
20) Methylene Chloride	5.289	84	9255	Below Cal #		88
25) 2-Butanone	7.500	43	2383	0.838 ug/l #		55
29) Tetrahydrofuran	7.853	42	427	0.229 ug/l #		44
31) Cyclohexane	8.224	56	8491	1.081 ug/l #		41
36) 1,1-Dichloropropene	8.235	75	31392	4.531 ug/l #		49
37) Ethyl Acetate	7.577	43	67101	10.867 ug/l		95
38) Carbon Tetrachloride	8.241	117	40856	5.840 ug/l #		16
42) 1,2-Dichloroethane	8.700	62	2179	0.293 ug/l #		73
43) Isopropyl Acetate	8.694	43	486068	48.193 ug/l #		73
48) Methyl methacrylate	9.671	41	7535	1.576 ug/l #		3
49) 1,4-Dioxane	9.759	88	664	7.352 ug/l #		1
51) 4-Methyl-2-Pentanone	10.459	43	20300	3.386 ug/l #		61
53) t-1,3-Dichloropropene	10.735	75	2210	0.292 ug/l #		43
54) cis-1,3-Dichloropropene	10.365	75	122124	14.649 ug/l #		68
57) 1,3-Dichloropropane	11.206	76	14064	1.623 ug/l #		42
59) 2-Hexanone	11.176	43	259064	58.422 ug/l #		19
71) Bromoform	12.847	173	1984	0.599 ug/l #		1
74) N-amyl acetate	12.488	43	4373	0.654 ug/l #		38
76) 1,2,3-Trichloropropane	12.853	75	143076	27.210 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	143076	86.979 ug/l #		15

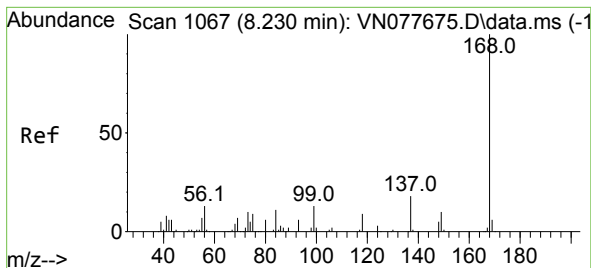
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078047.D

Acq: 05 Jun 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

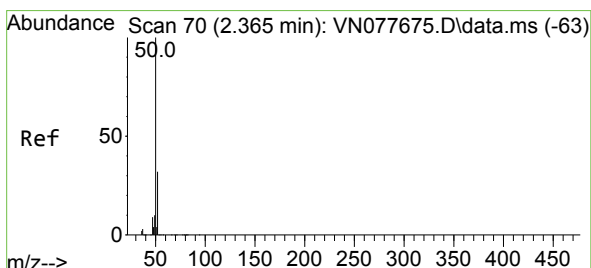
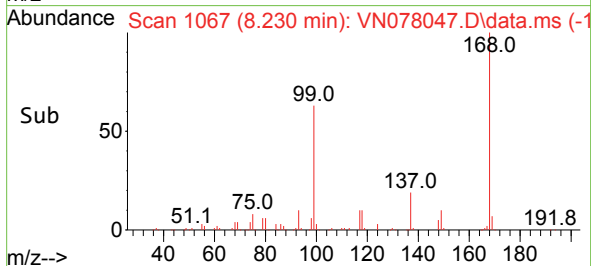
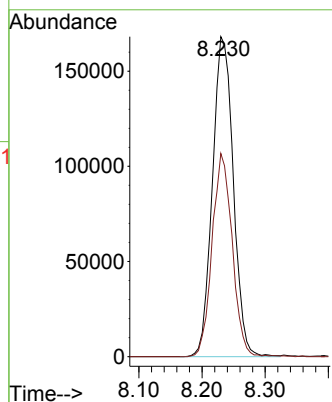
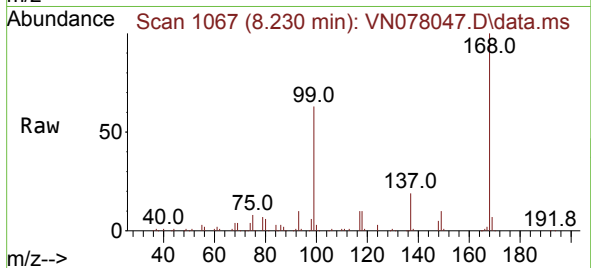
PB153198ZHE#08

Tgt Ion:168 Resp: 386238

Ion Ratio Lower Upper

168 100

99 63.5 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN078047.D

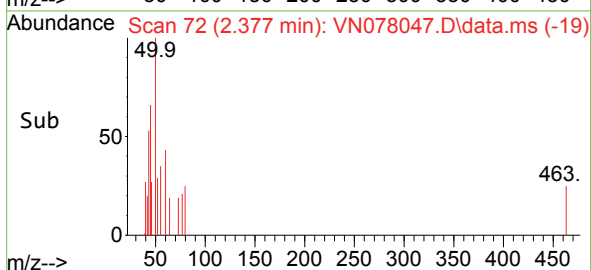
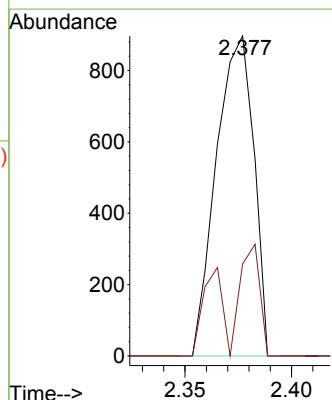
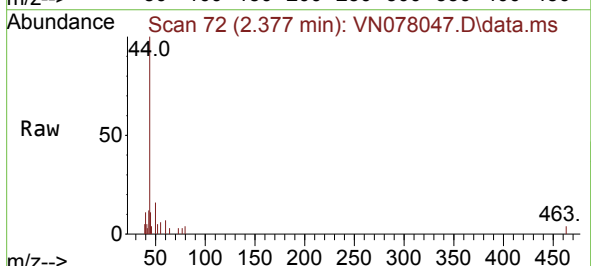
Acq: 05 Jun 2023 16:21

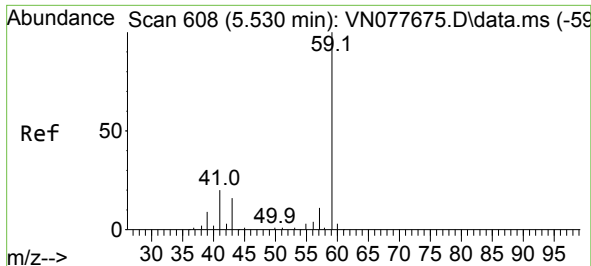
Tgt Ion: 50 Resp: 1096

Ion Ratio Lower Upper

50 100

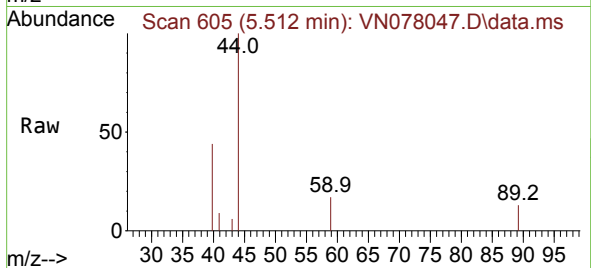
52 28.8 26.5 39.7



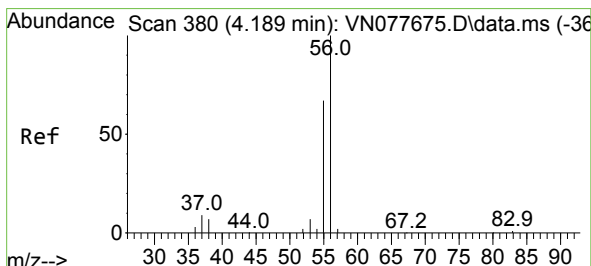
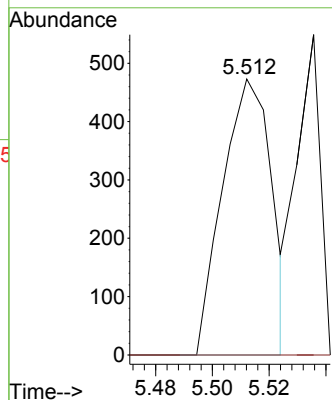
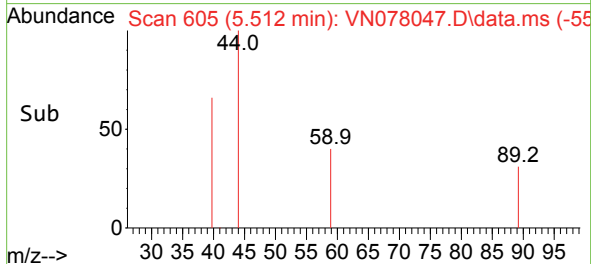


#11
Tert butyl alcohol
Concen: 0.718 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN078047.D
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Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

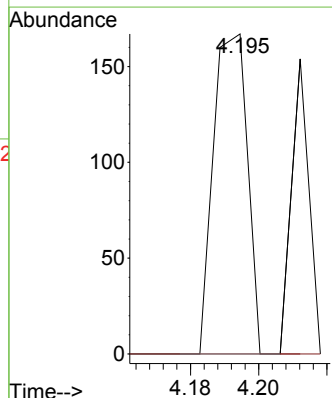
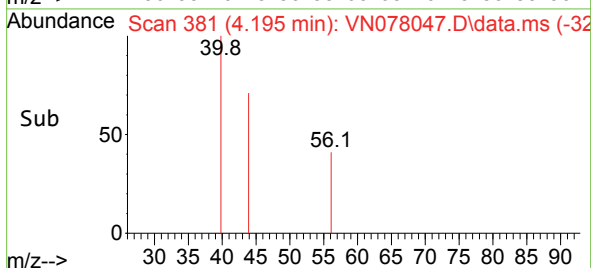
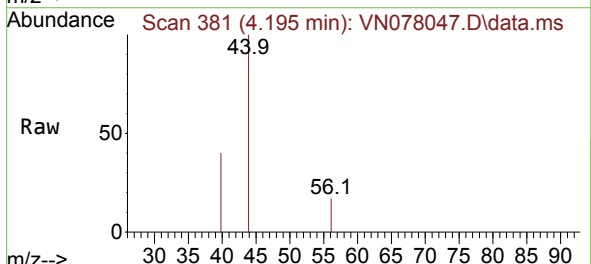


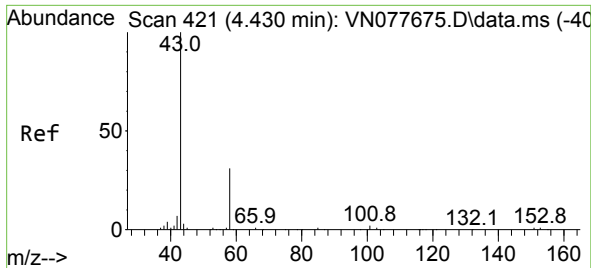
Tgt Ion: 59 Resp: 573
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

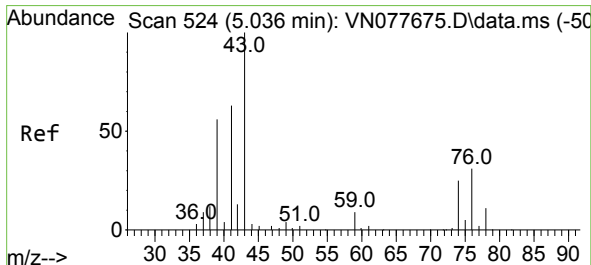
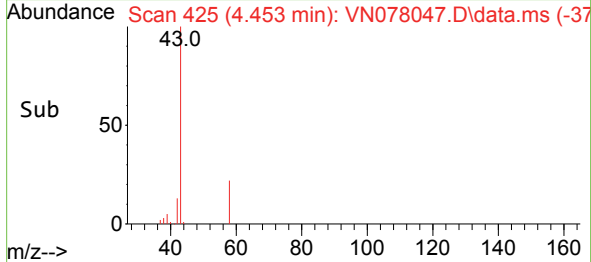
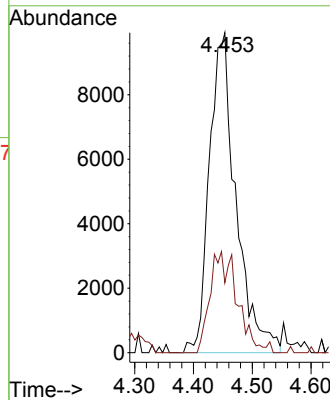
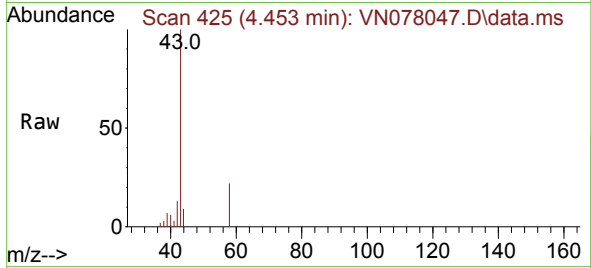




#16
Acetone
Concen: 17.118 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

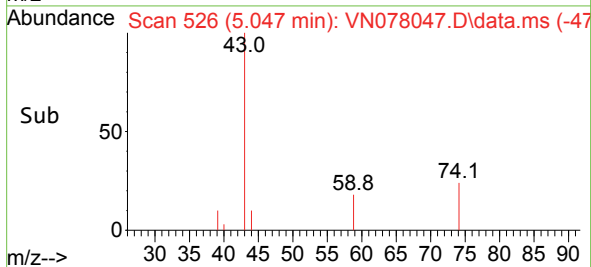
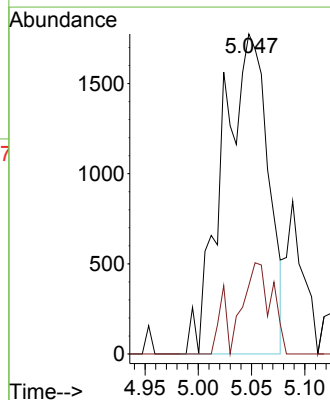
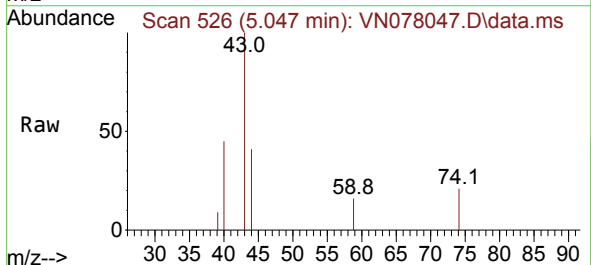
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

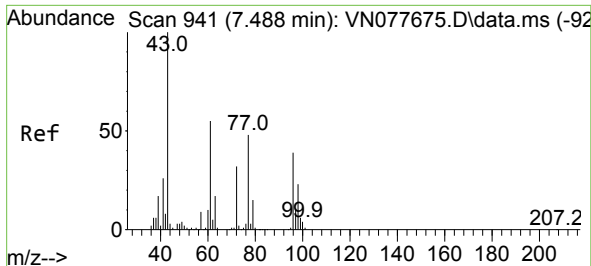
Tgt Ion: 43 Resp: 31124
Ion Ratio Lower Upper
43 100
58 21.8 28.0 42.0#



#18
Methyl Acetate
Concen: 0.693 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.011 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Tgt Ion: 43 Resp: 5285
Ion Ratio Lower Upper
43 100
74 17.5 26.2 39.4#

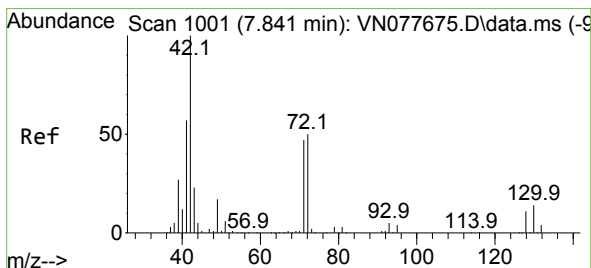
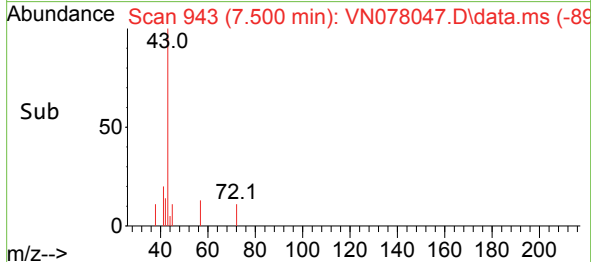
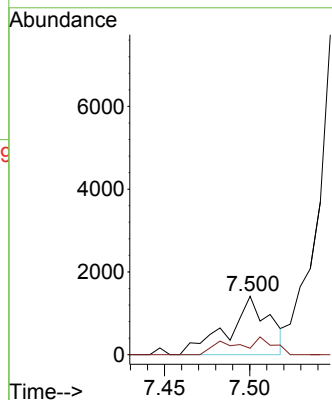
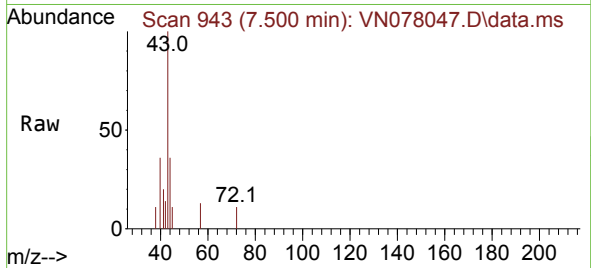




#25
2-Butanone
Concen: 0.838 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

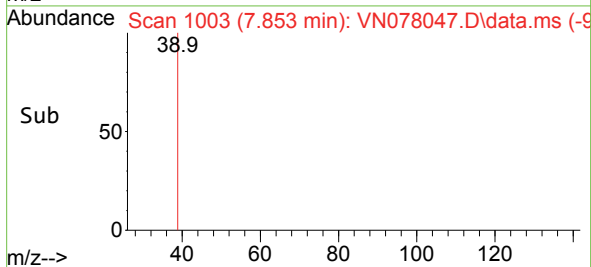
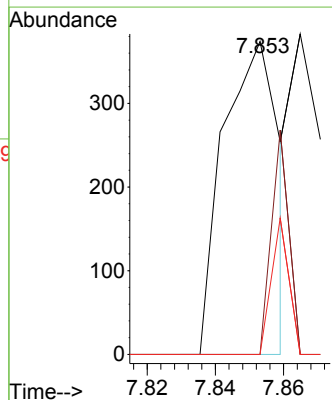
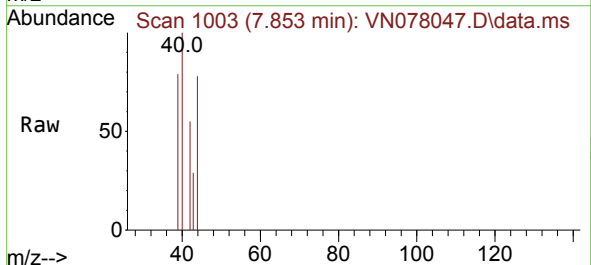
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

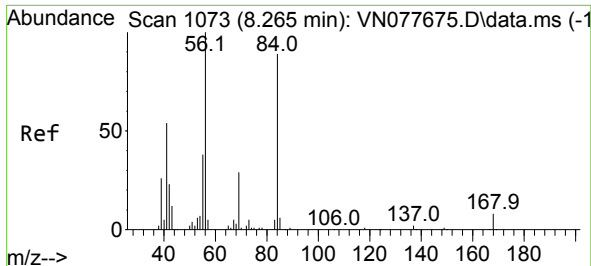
Tgt Ion: 43 Resp: 2383
Ion Ratio Lower Upper
43 100
72 10.8 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.229 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

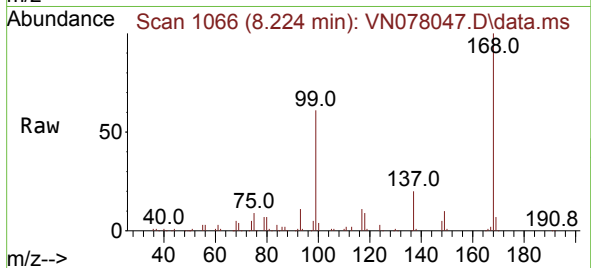
Tgt Ion: 42 Resp: 427
Ion Ratio Lower Upper
42 100
72 22.2 49.8 74.6#
71 13.3 47.4 71.2#



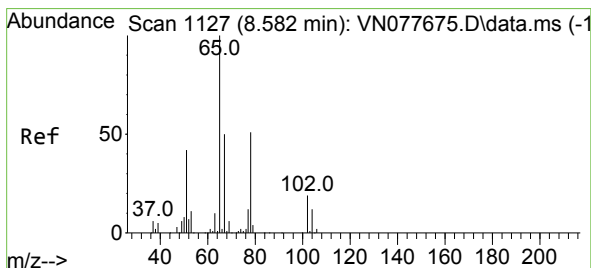
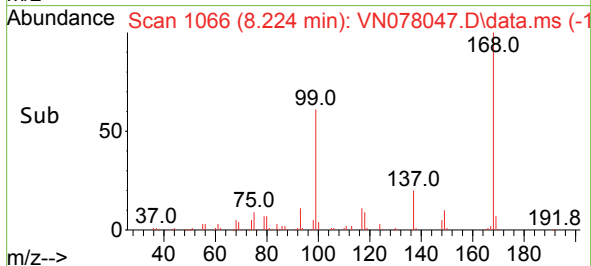
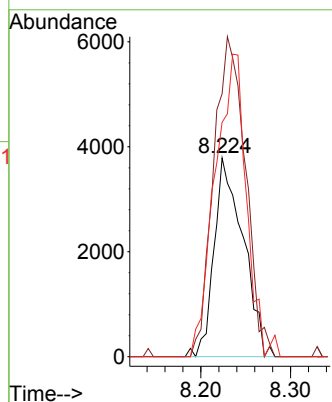


#31
Cyclohexane
Concen: 1.081 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

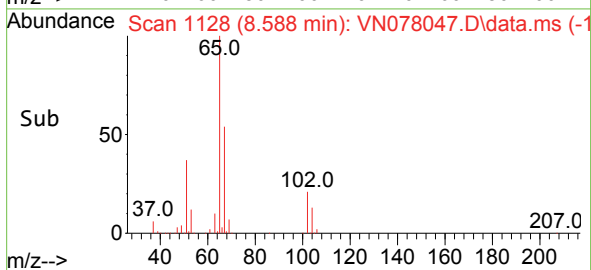
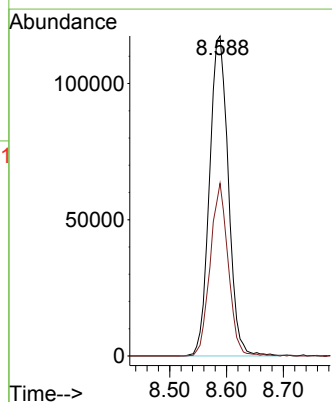
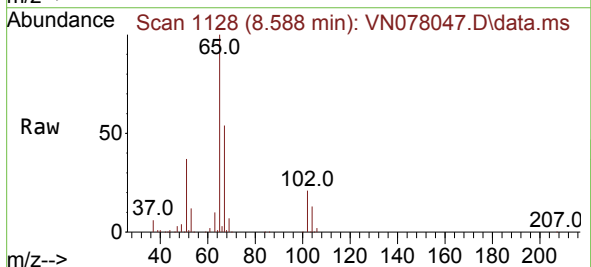


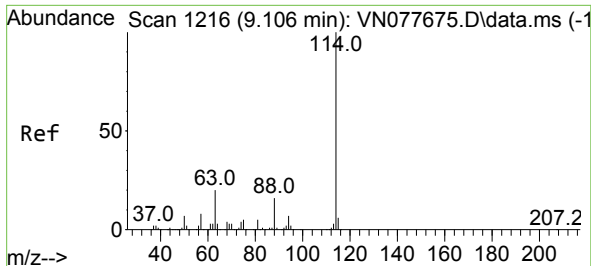
Tgt Ion: 56 Resp: 8491
Ion Ratio Lower Upper
56 100
69 132.4 26.8 40.2#
84 124.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 46.673 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

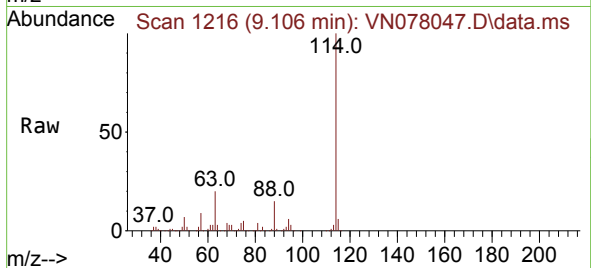
Tgt Ion: 65 Resp: 269729
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6



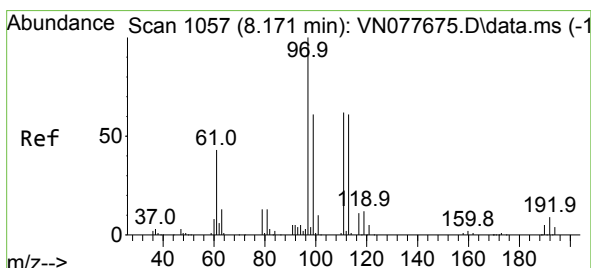
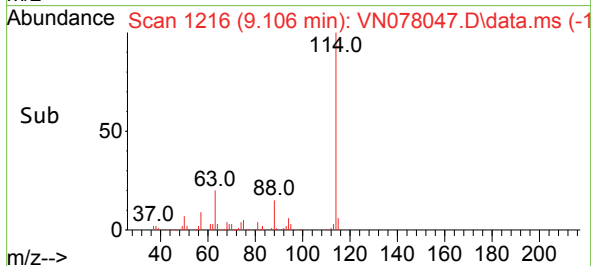
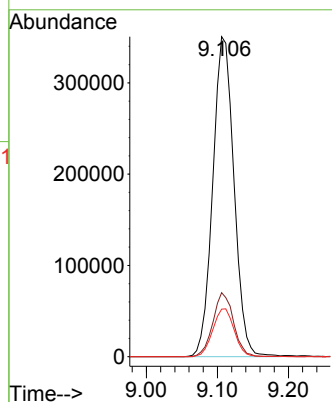


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

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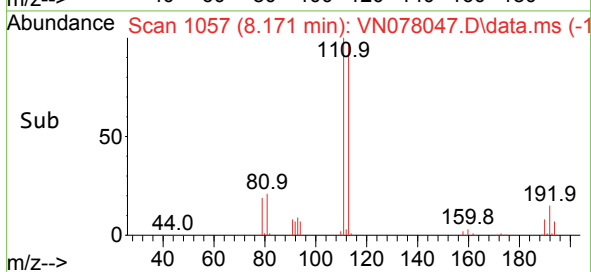
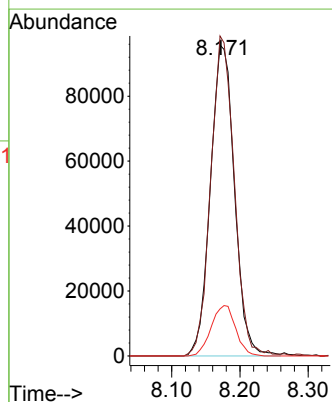
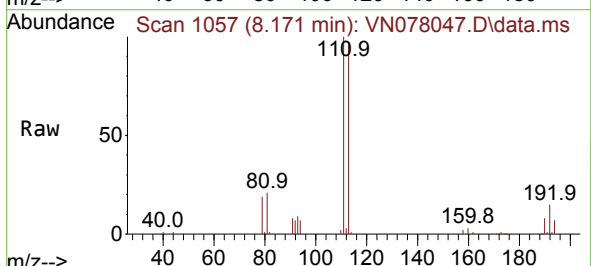


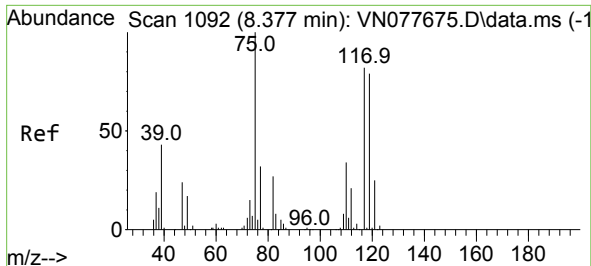
Tgt Ion:114 Resp: 726349
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.637 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Tgt Ion:113 Resp: 235103
Ion Ratio Lower Upper
113 100
111 100.6 82.6 123.8
192 16.5 12.7 19.1

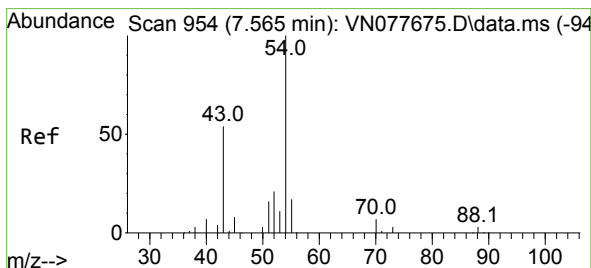
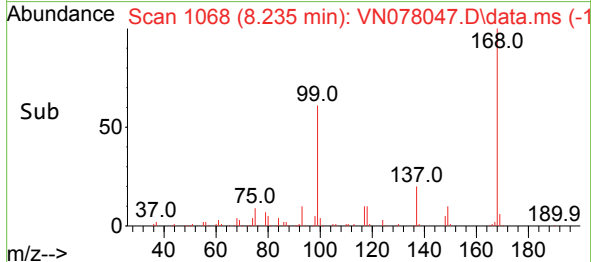
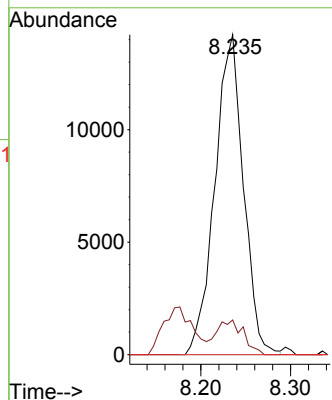
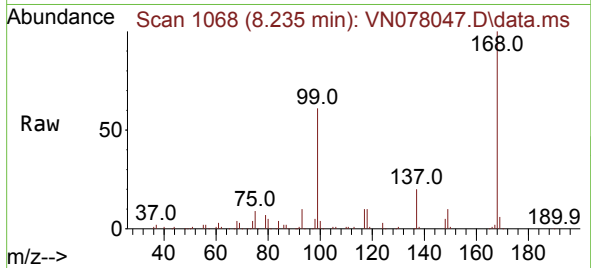




#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

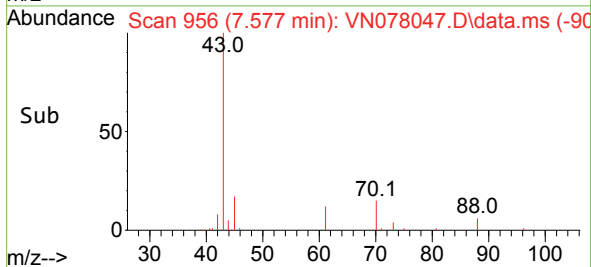
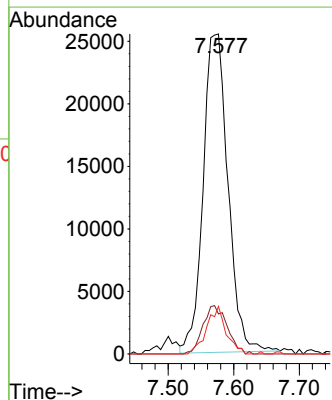
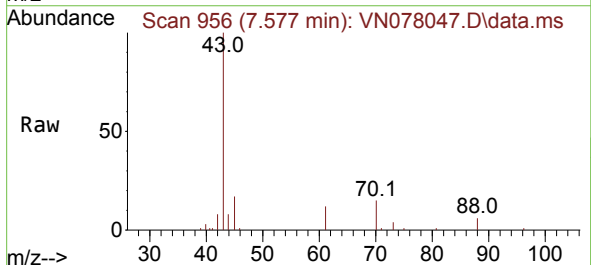
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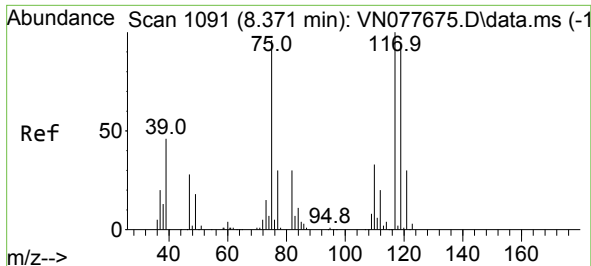
Tgt Ion: 75 Resp: 31392
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.867 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

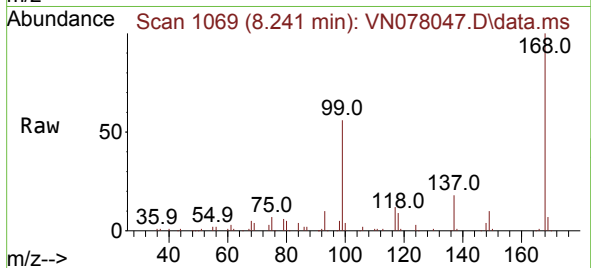
Tgt Ion: 43 Resp: 67101
Ion Ratio Lower Upper
43 100
61 14.8 13.2 19.8
70 11.7 11.3 16.9



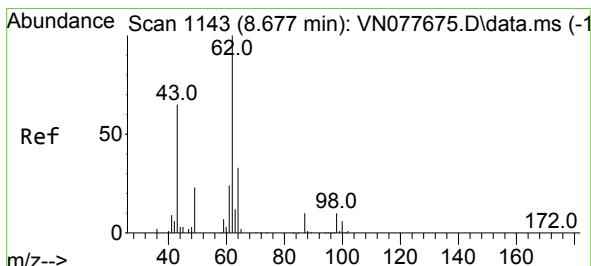
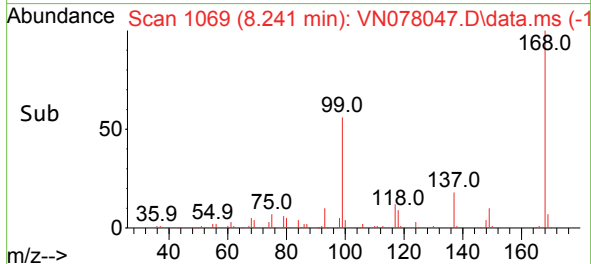
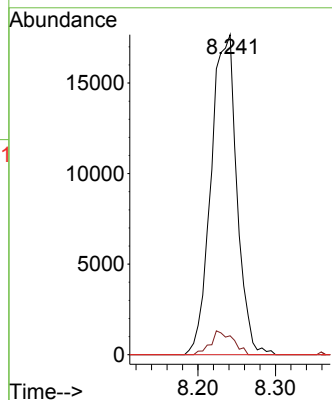


#38
Carbon Tetrachloride
Concen: 5.840 ug/l
RT: 8.241 min Scan# 1109
Delta R.T. -0.130 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

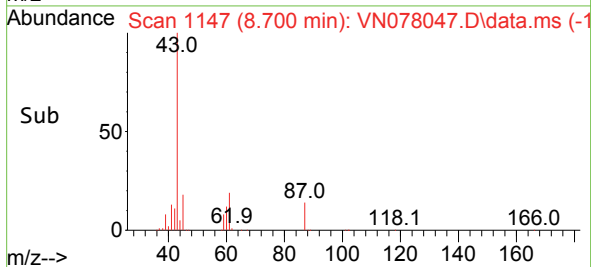
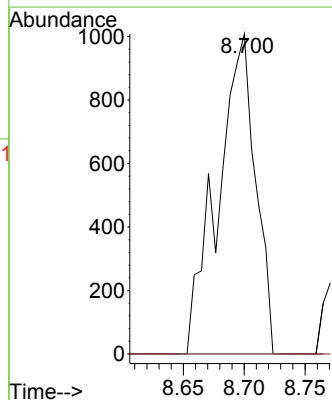
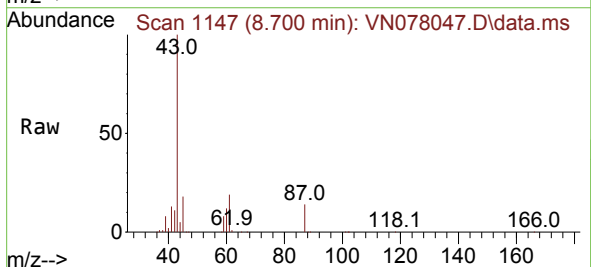


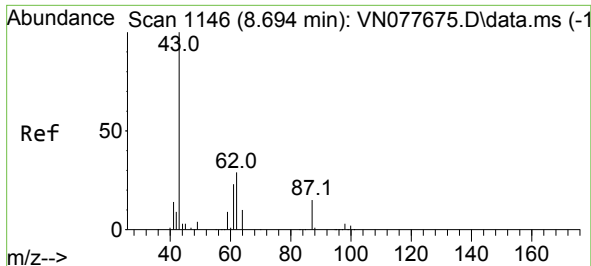
Tgt Ion:117 Resp: 40856
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.293 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.023 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

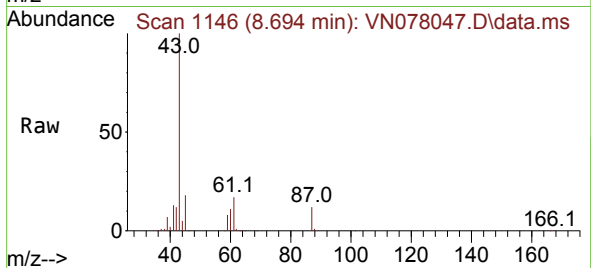
Tgt Ion: 62 Resp: 2179
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



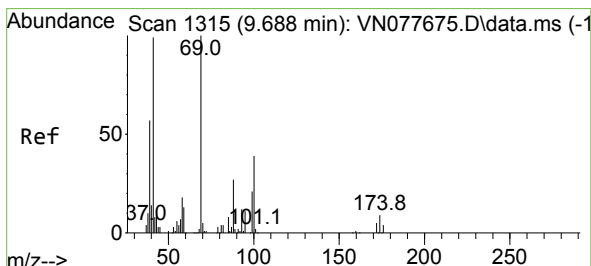
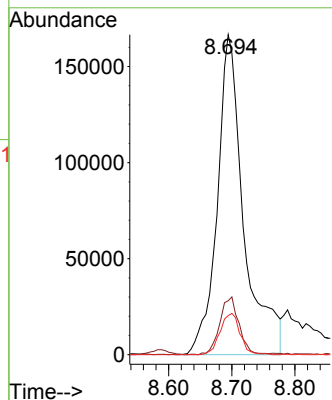
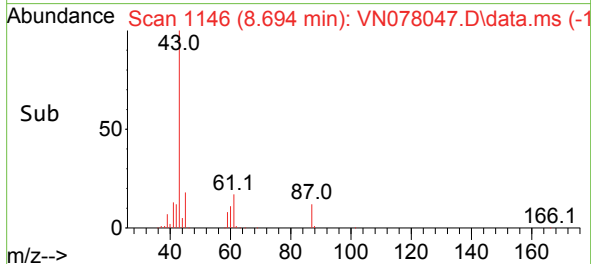


#43
Isopropyl Acetate
Concen: 48.193 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

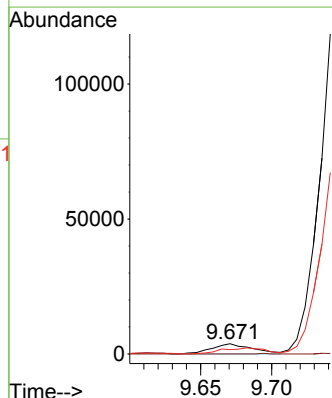
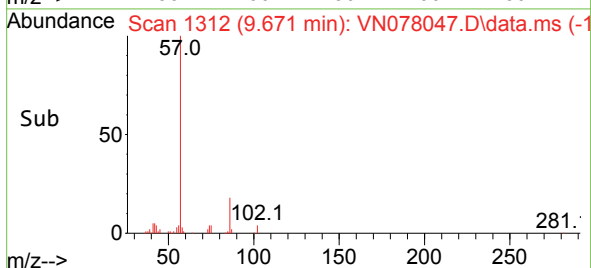
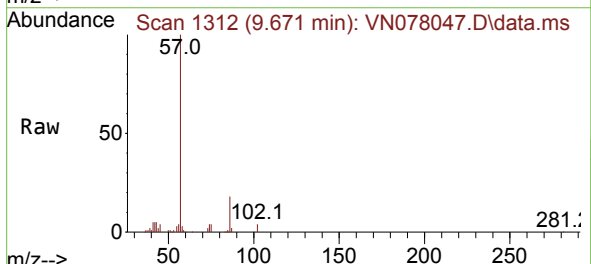


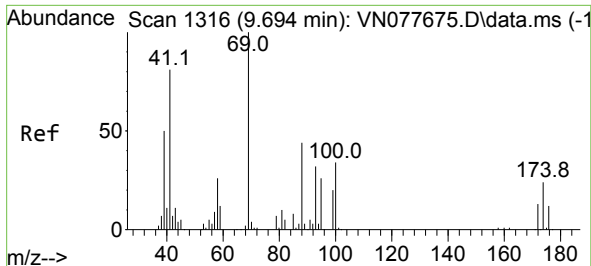
Tgt Ion: 43 Resp: 486068
Ion Ratio Lower Upper
43 100
61 13.2 24.7 37.1#
87 9.7 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.576 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Tgt Ion: 41 Resp: 7535
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: 7.352 ug/l

RT: 9.759 min Scan# 1316

Delta R.T. 0.065 min

Lab File: VN078047.D

Acq: 05 Jun 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#08

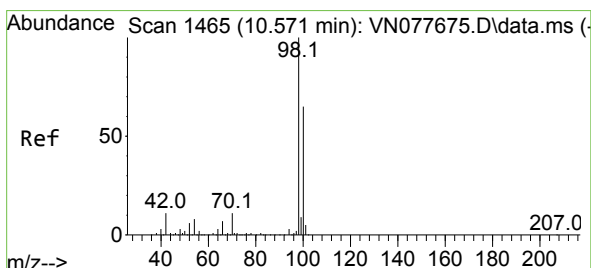
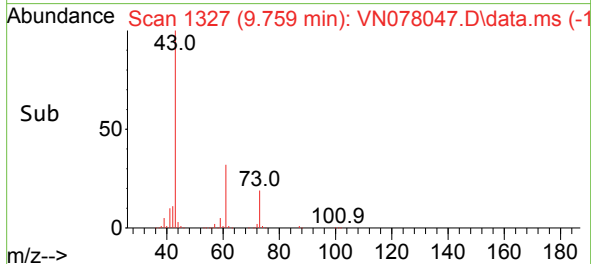
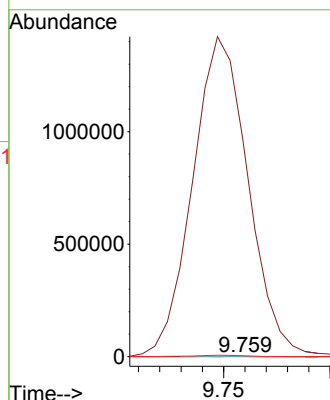
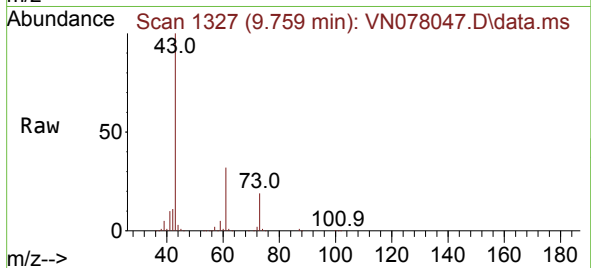
Tgt Ion: 88 Resp: 664

Ion Ratio Lower Upper

88 100

43 390610.2 17.0 25.6#

58 1768.5 47.0 70.4#



#50

Toluene-d8

Concen: 49.767 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078047.D

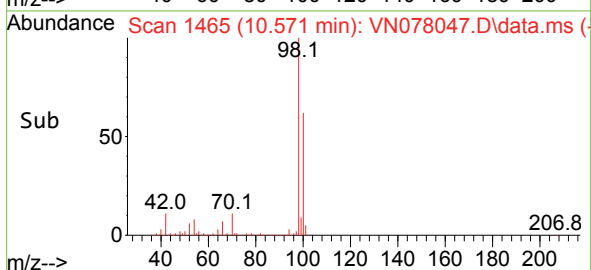
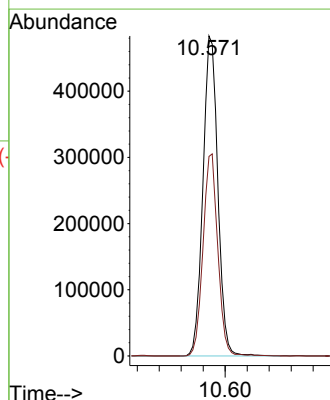
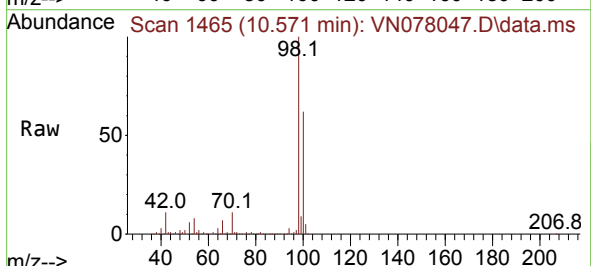
Acq: 05 Jun 2023 16:21

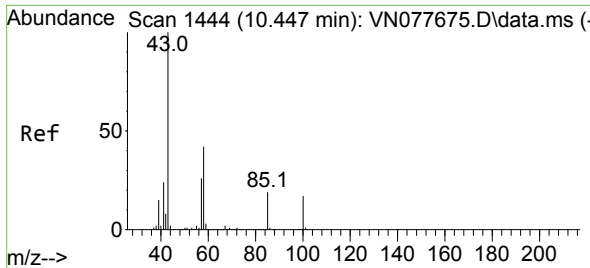
Tgt Ion: 98 Resp: 907298

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0

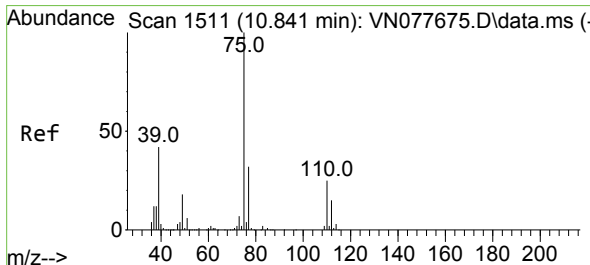
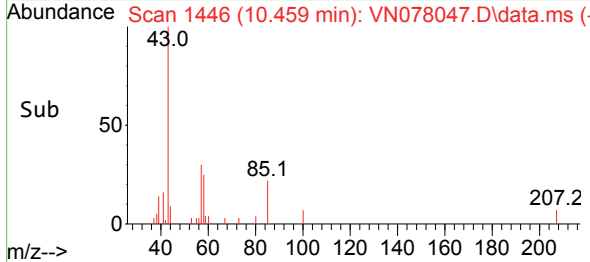
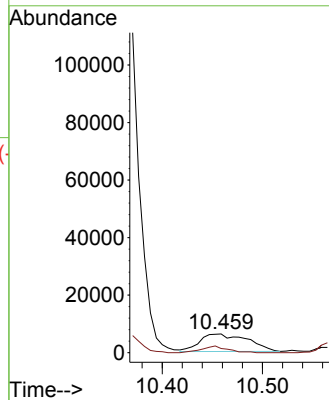
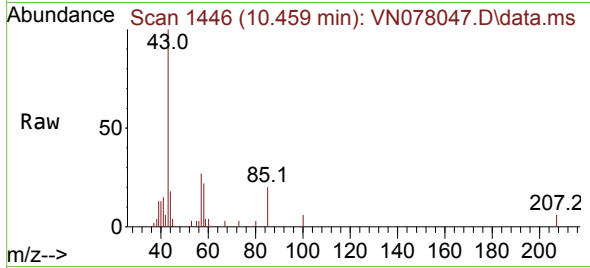




#51
4-Methyl-2-Pentanone
Concen: 3.386 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

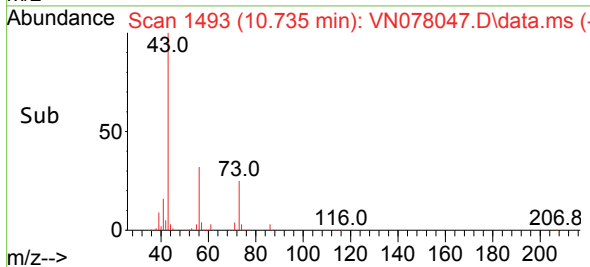
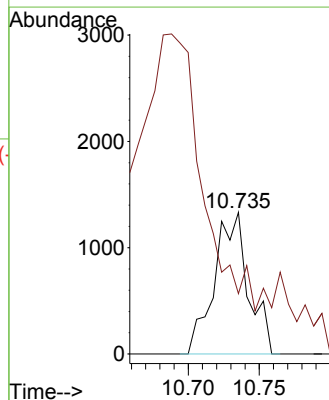
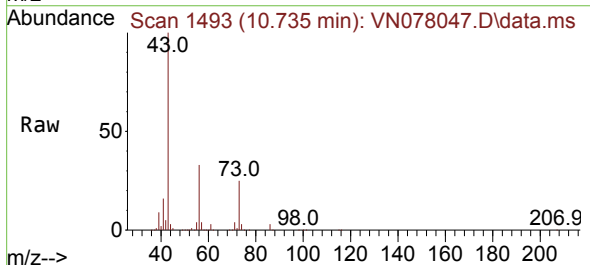
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

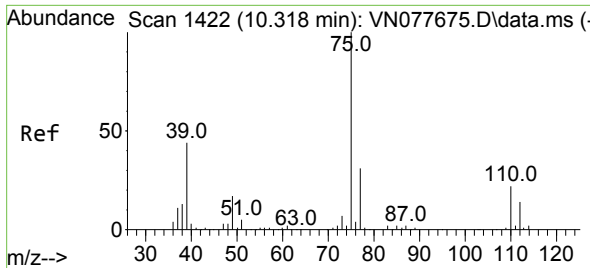
Tgt Ion: 43 Resp: 20300
Ion Ratio Lower Upper
43 100
58 20.2 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.292 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Tgt Ion: 75 Resp: 2210
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

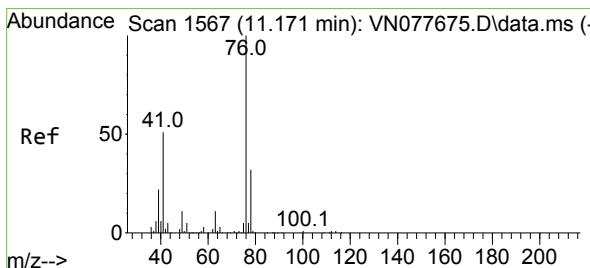
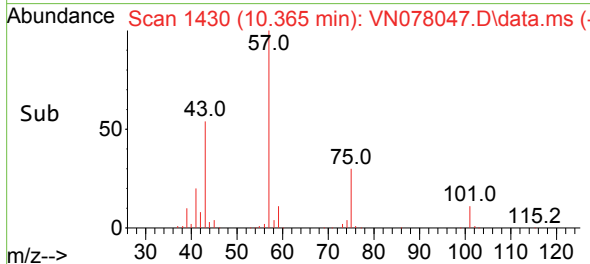
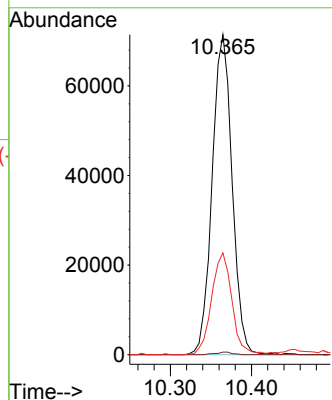
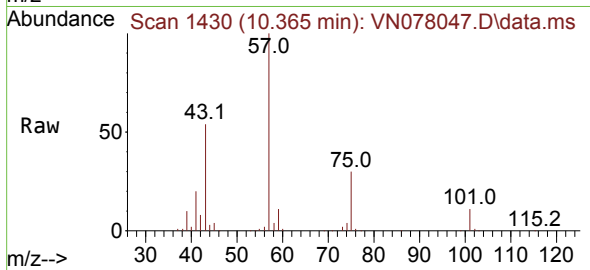




#54
 cis-1,3-Dichloropropene
 Concen: 14.649 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078047.D
 Acq: 05 Jun 2023 16:21

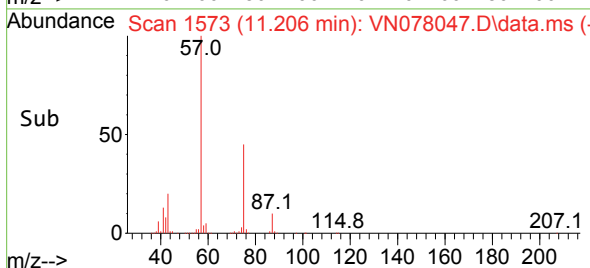
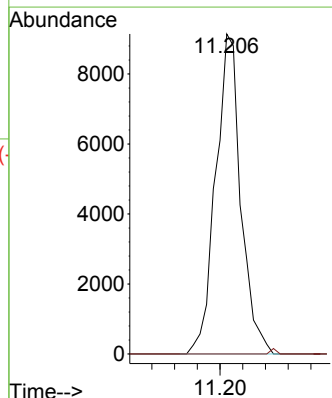
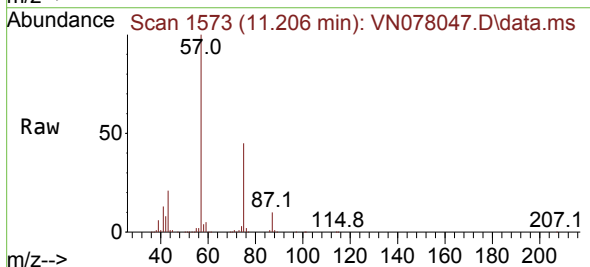
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#08

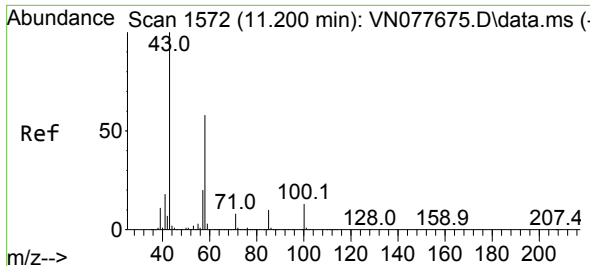
Tgt Ion: 75 Resp: 122124
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 31.8 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.623 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078047.D
 Acq: 05 Jun 2023 16:21

Tgt Ion: 76 Resp: 14064
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

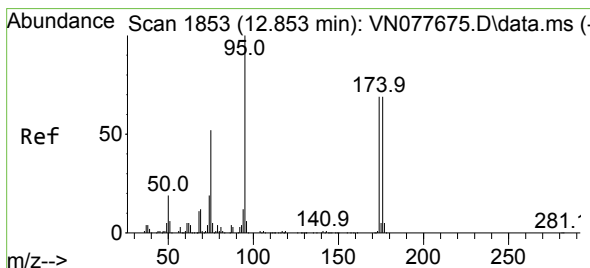
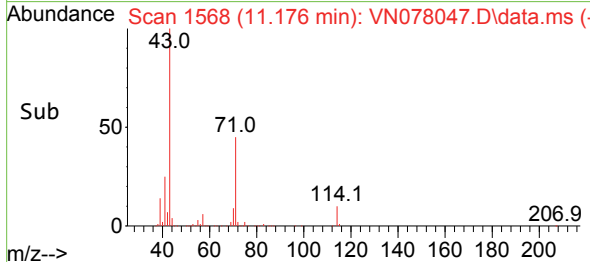
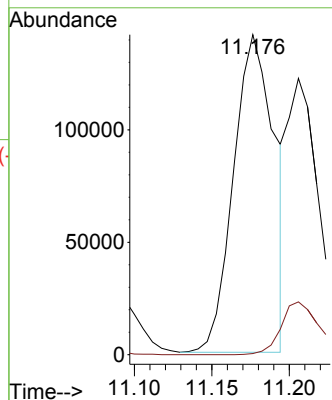
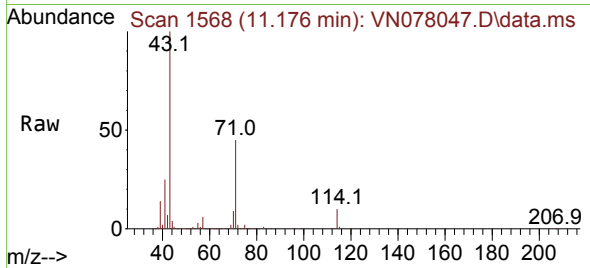




#59
2-Hexanone
Concen: 58.422 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

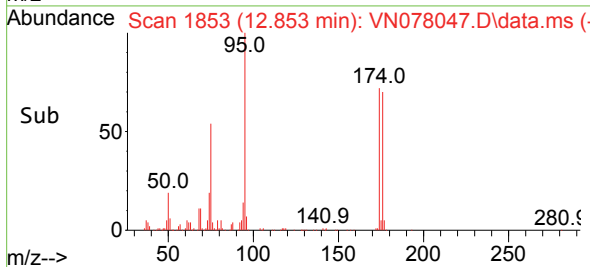
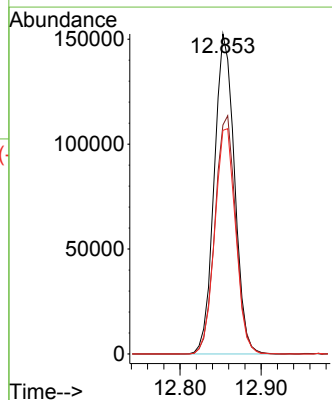
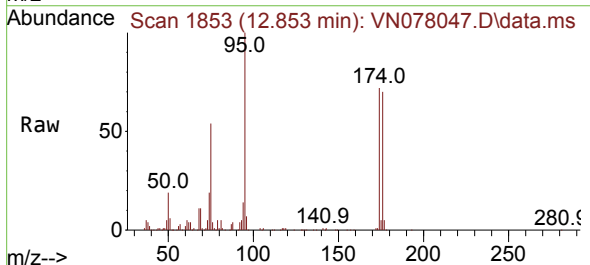
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

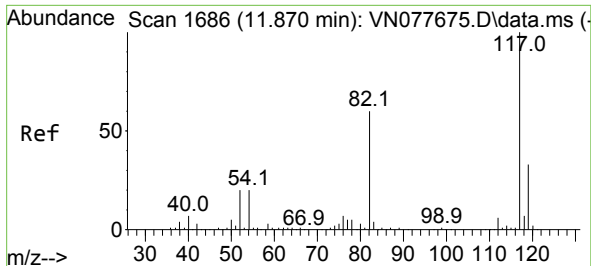
Tgt Ion: 43 Resp: 259064
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 41.101 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Tgt Ion: 95 Resp: 264642
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 72.7 0.0 135.8

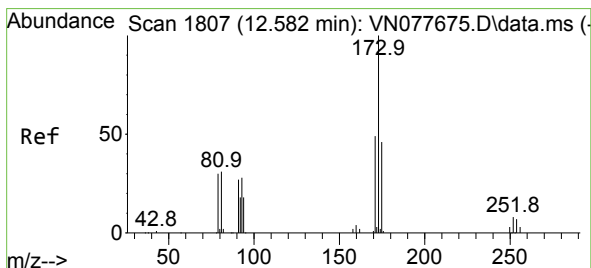
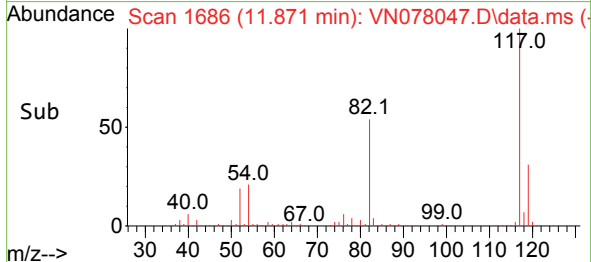
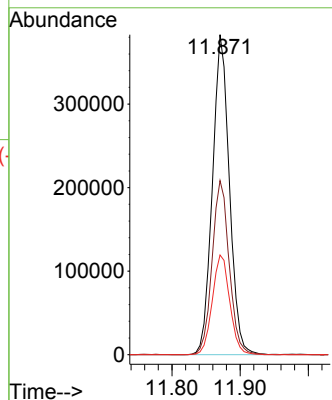
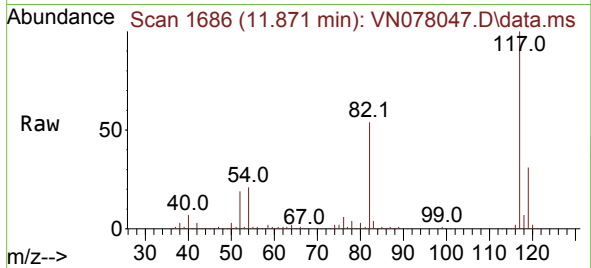




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

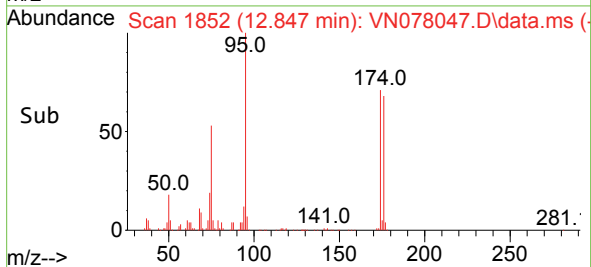
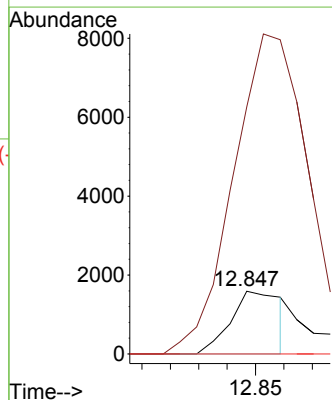
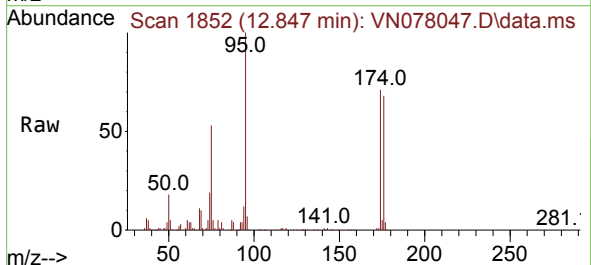
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#08

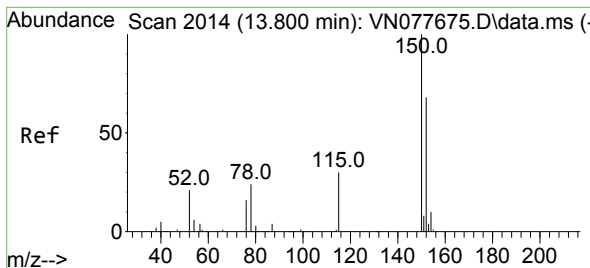
Tgt Ion:117 Resp: 663675
Ion Ratio Lower Upper
117 100
82 54.4 44.0 66.0
119 31.1 25.6 38.4



#71
Bromoform
Concen: 0.599 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078047.D
Acq: 05 Jun 2023 16:21

Tgt Ion:173 Resp: 1984
Ion Ratio Lower Upper
173 100
175 520.1 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN078047.D

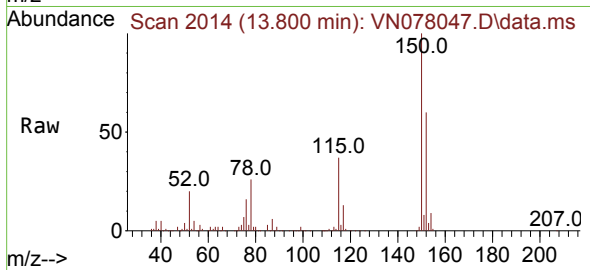
Acq: 05 Jun 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#08



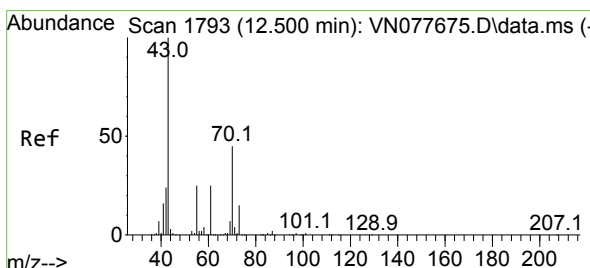
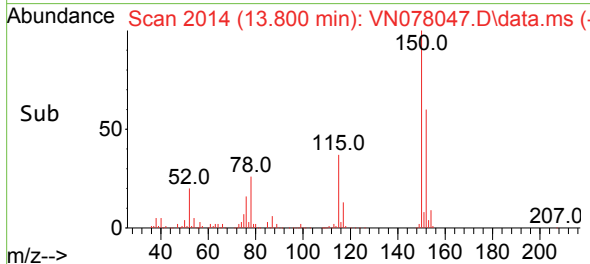
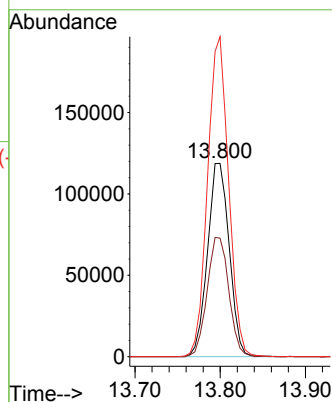
Tgt Ion:152 Resp: 209959

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 160.2 0.0 355.8



#74

N-ethyl acetate

Concen: 0.654 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VN078047.D

Acq: 05 Jun 2023 16:21

Tgt Ion: 43 Resp: 4373

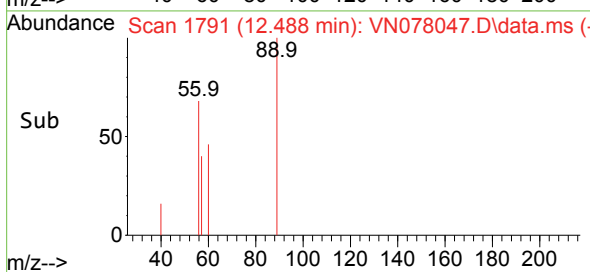
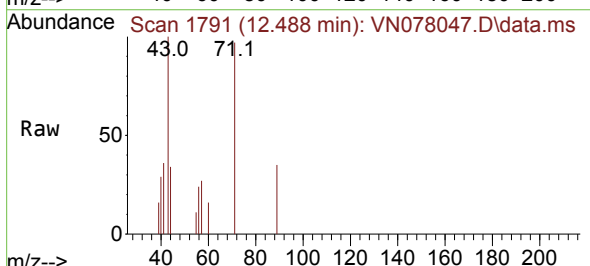
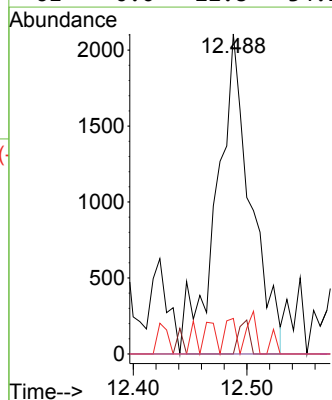
Ion Ratio Lower Upper

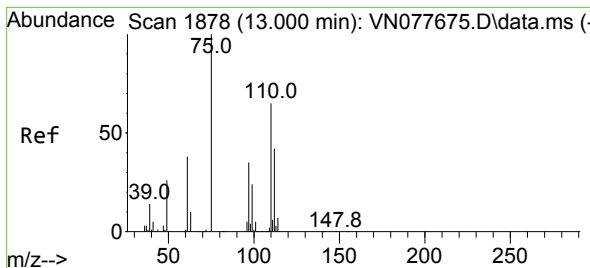
43 100

70 0.0 43.4 65.2#

55 3.7 21.4 32.0#

61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.210 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078047.D

Acq: 05 Jun 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

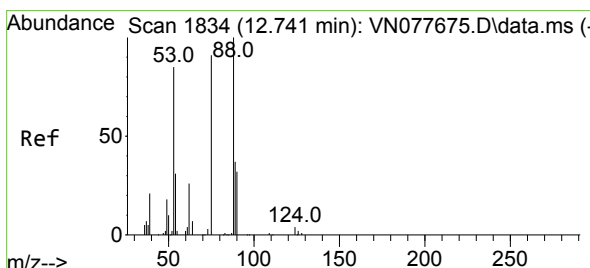
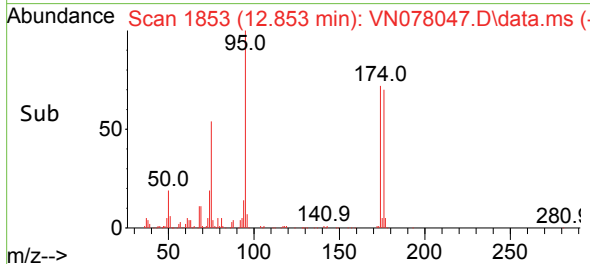
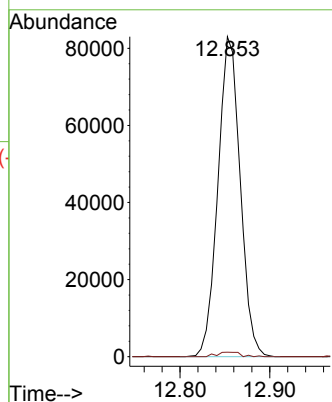
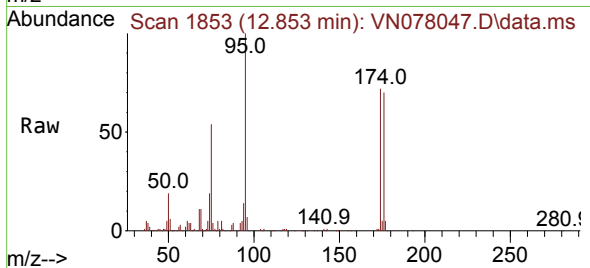
PB153198ZHE#08

Tgt Ion: 75 Resp: 143076

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.979 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078047.D

Acq: 05 Jun 2023 16:21

Tgt Ion: 75 Resp: 143076

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.1 38.8 58.2#

