

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078042.D
 Acq On : 05 Jun 2023 14:21
 Operator : JC\MD
 Sample : PB153198ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#03

Quant Time: Jun 06 02:01:23 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)

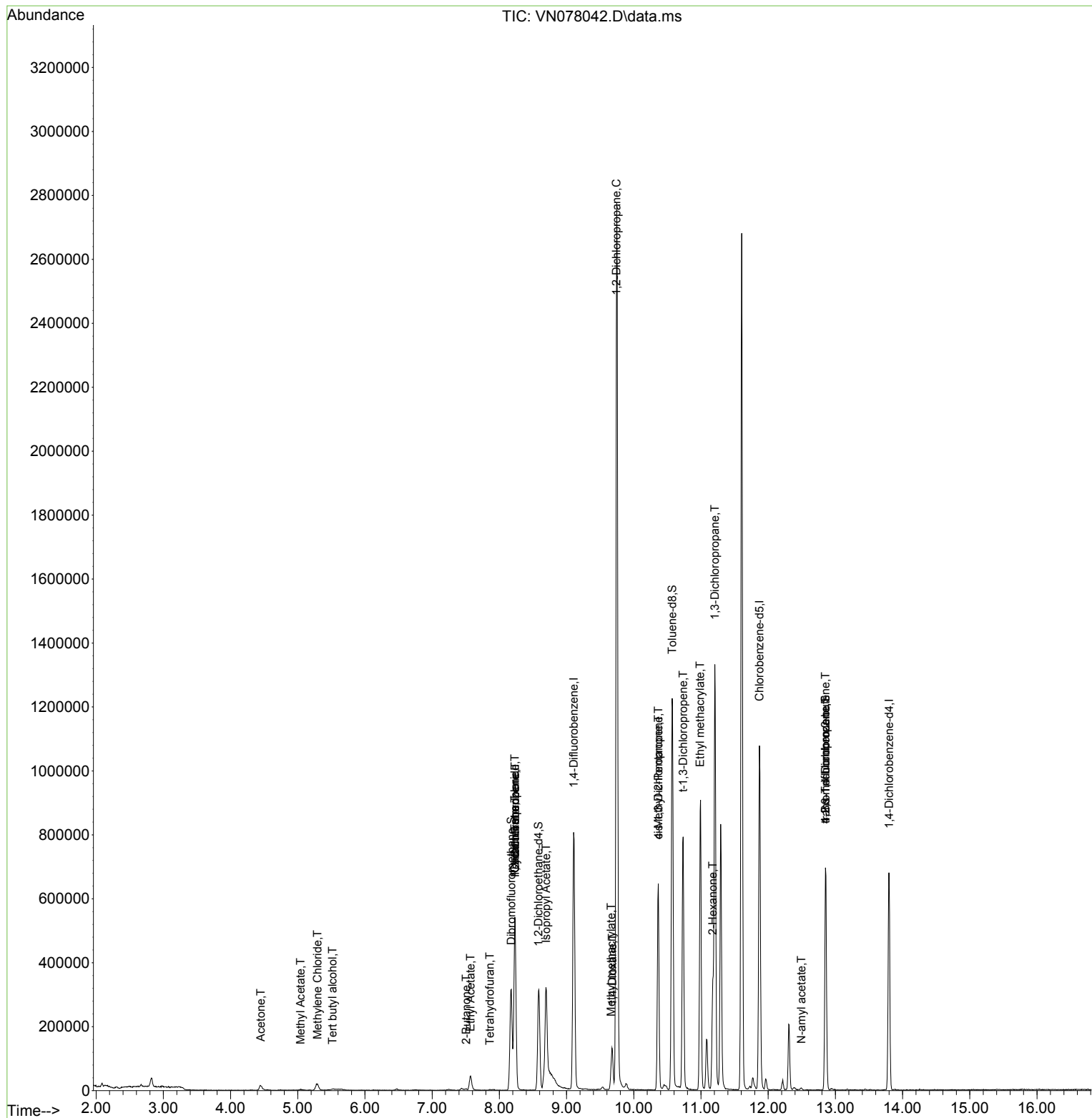
Internal Standards						
1) Pentafluorobenzene	8.235	168	386568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	724059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	642203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	195751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	265641	45.926	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.860%
35) Dibromofluoromethane	8.177	113	232832	49.313	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.620%
50) Toluene-d8	10.571	98	900732	49.563	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.853	95	256373	39.943	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	79.880%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	901	Below Cal	#	1
11) Tert butyl alcohol	5.518	59	1477	1.850	ug/l #	72
13) Acrolein	4.195	56	88	Below Cal	#	1
16) Acetone	4.447	43	26436	14.527	ug/l	93
18) Methyl Acetate	5.042	43	5246	0.687	ug/l #	63
20) Methylene Chloride	5.294	84	16178	1.499	ug/l #	90
25) 2-Butanone	7.506	43	6457	2.268	ug/l	96
29) Tetrahydrofuran	7.859	42	1483	0.796	ug/l #	39
31) Cyclohexane	8.230	56	9174	1.167	ug/l #	6
36) 1,1-Dichloropropene	8.235	75	32389	4.690	ug/l #	48
37) Ethyl Acetate	7.571	43	66397	10.787	ug/l	97
38) Carbon Tetrachloride	8.230	117	41758	5.988	ug/l #	15
43) Isopropyl Acetate	8.694	43	451321	44.889	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	3709	0.714	ug/l #	45
48) Methyl methacrylate	9.665	41	7572	1.588	ug/l #	3
49) 1,4-Dioxane	9.682	88	184	2.044	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	224369	37.543	ug/l #	41
53) t-1,3-Dichloropropene	10.735	75	2191	0.291	ug/l #	87
54) cis-1,3-Dichloropropene	10.365	75	122868	14.785	ug/l #	65
56) Ethyl methacrylate	10.988	69	3199	0.420	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	14384	1.666	ug/l #	43
59) 2-Hexanone	11.176	43	258895	58.568	ug/l #	19
74) N-amyl acetate	12.494	43	2396	0.384	ug/l #	47
76) 1,2,3-Trichloropropane	12.853	75	133415	27.215	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	133415	86.992	ug/l #	15

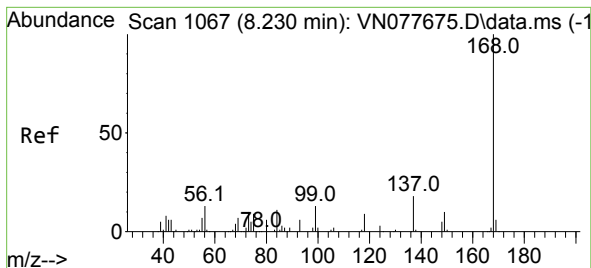
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078042.D

Acq: 05 Jun 2023 14:21

Instrument :

MSVOA_N

ClientSampleId :

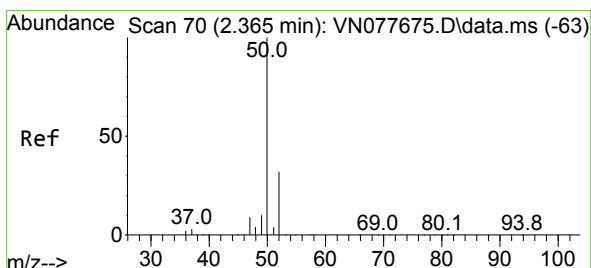
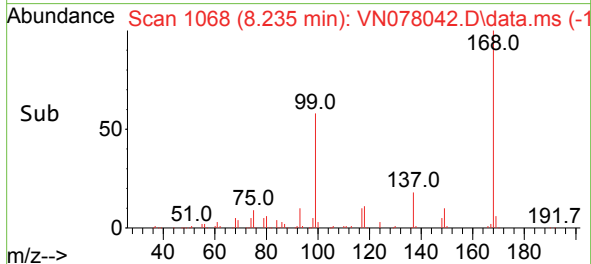
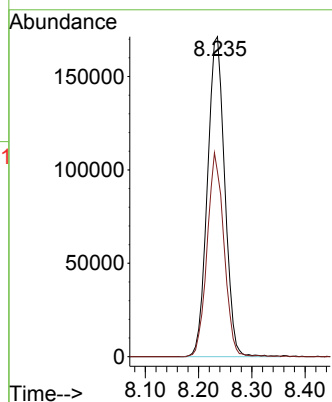
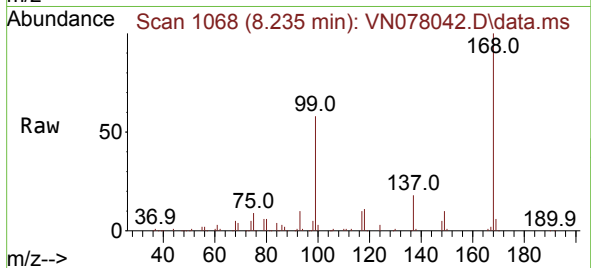
PB153198ZHE#03

Tgt Ion:168 Resp: 386568

Ion Ratio Lower Upper

168 100

99 57.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN078042.D

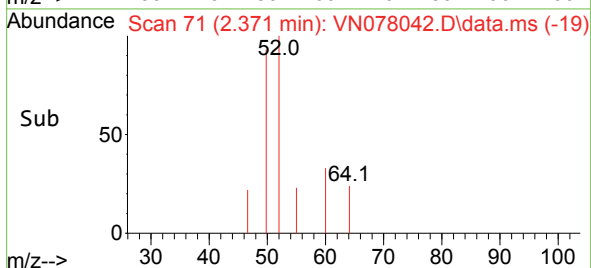
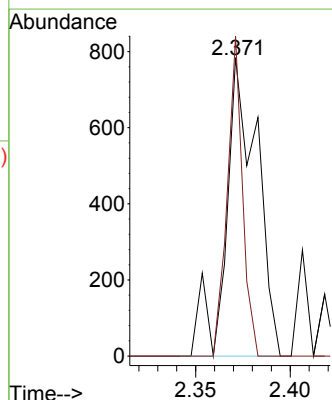
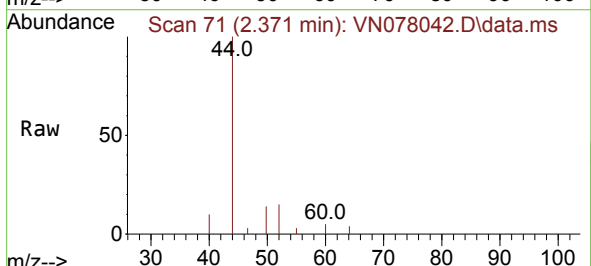
Acq: 05 Jun 2023 14:21

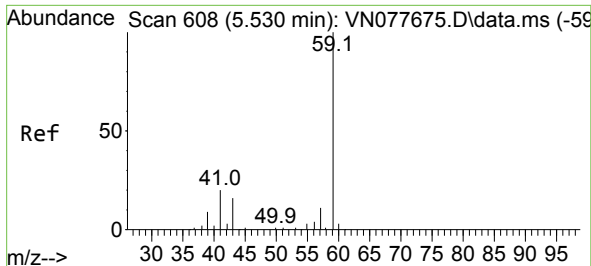
Tgt Ion: 50 Resp: 901

Ion Ratio Lower Upper

50 100

52 107.3 26.5 39.7#

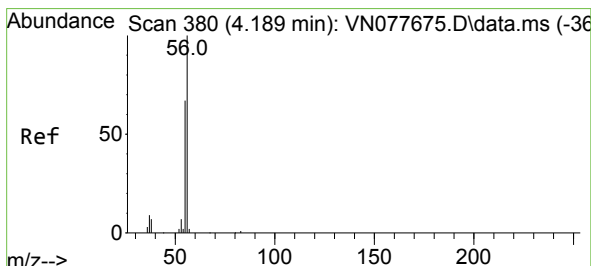
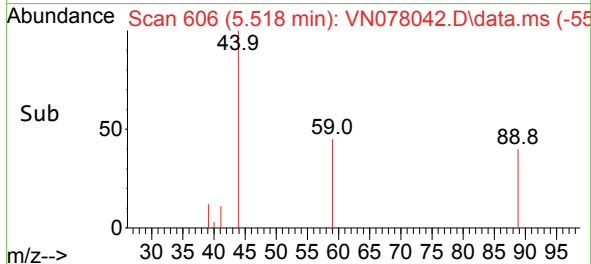
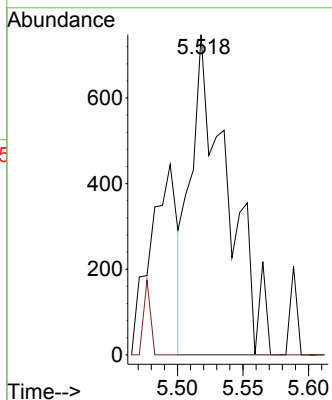
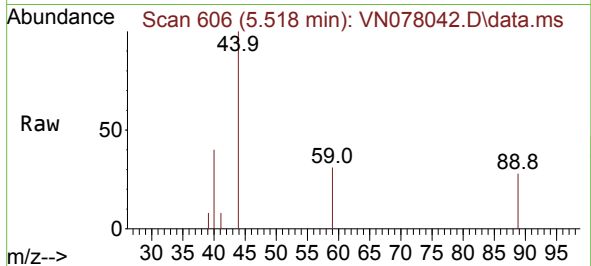




#11
Tert butyl alcohol
Concen: 1.850 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

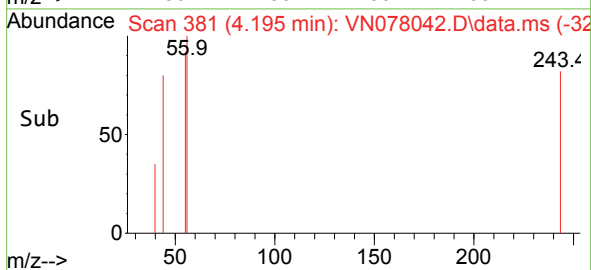
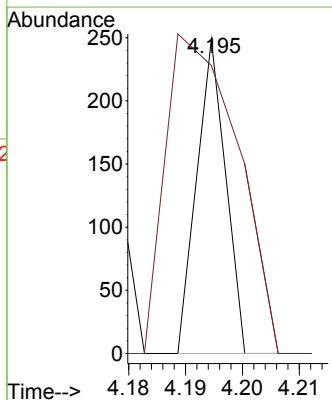
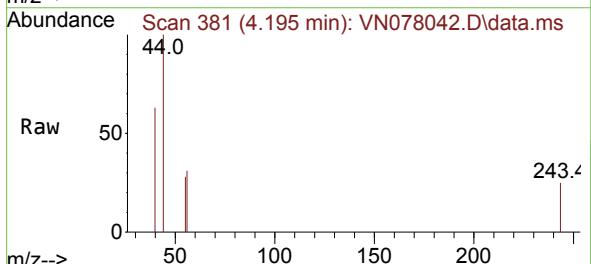
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

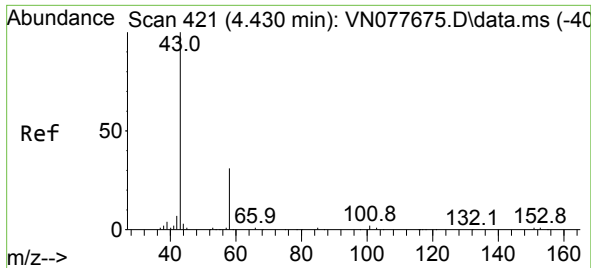
Tgt Ion: 59 Resp: 1477
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 253.4 54.5 81.7#

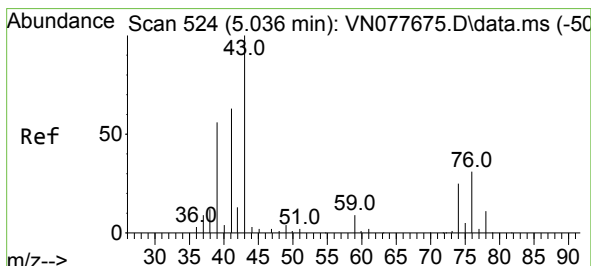
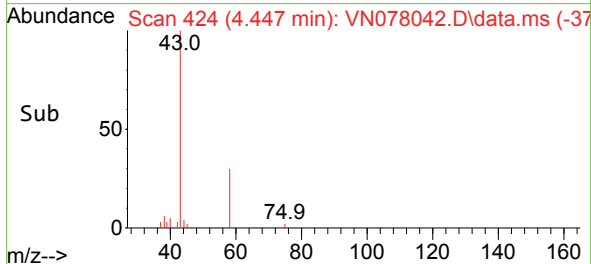
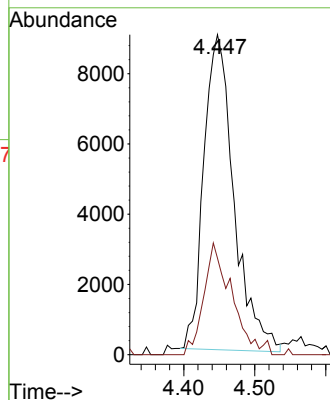
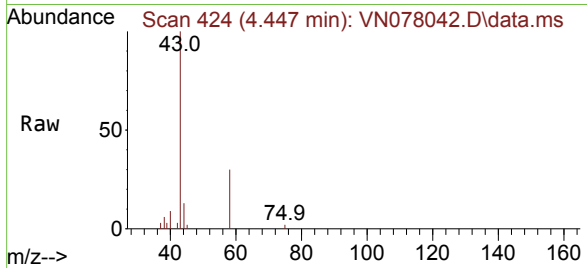




#16
Acetone
Concen: 14.527 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

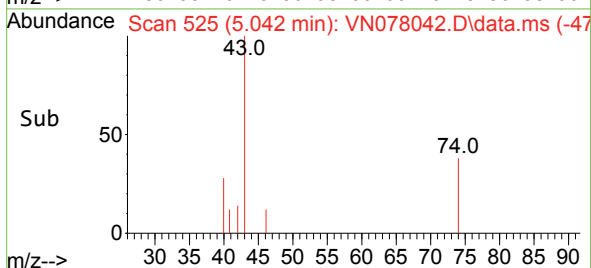
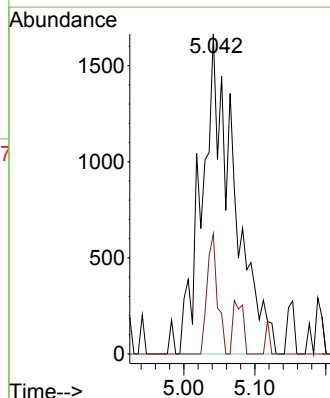
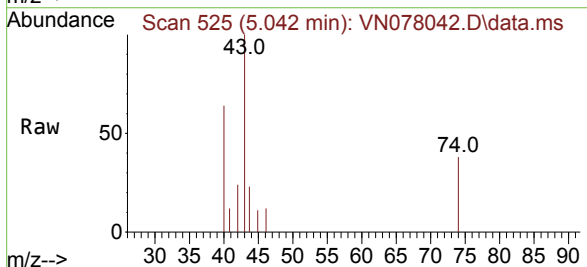
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

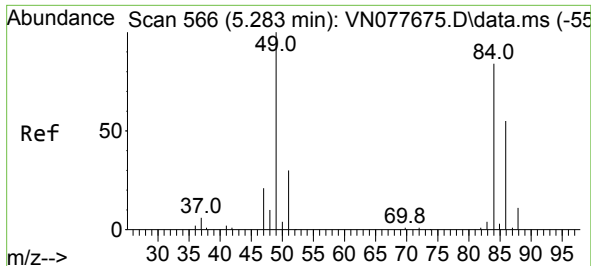
Tgt Ion: 43 Resp: 26436
Ion Ratio Lower Upper
43 100
58 30.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.687 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 43 Resp: 5246
Ion Ratio Lower Upper
43 100
74 12.1 26.2 39.4#

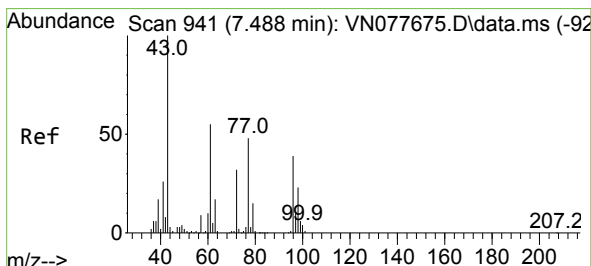
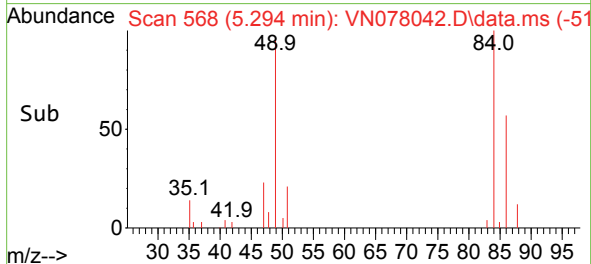
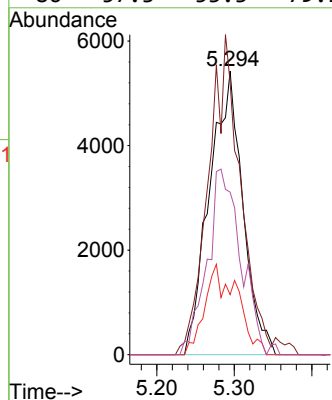
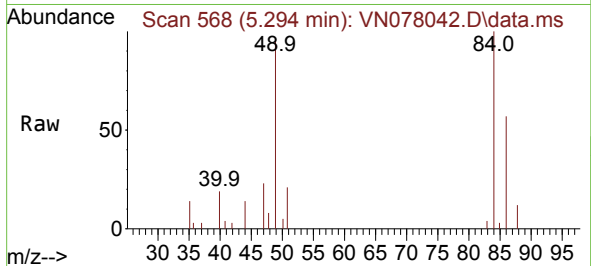




#20
Methylene Chloride
Concen: 1.499 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

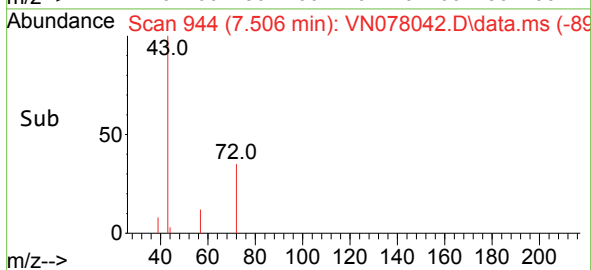
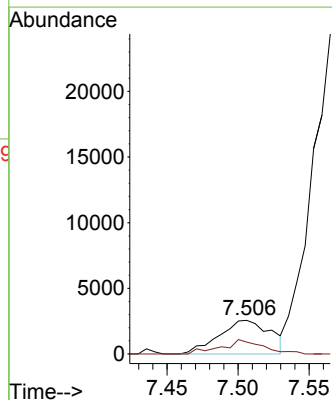
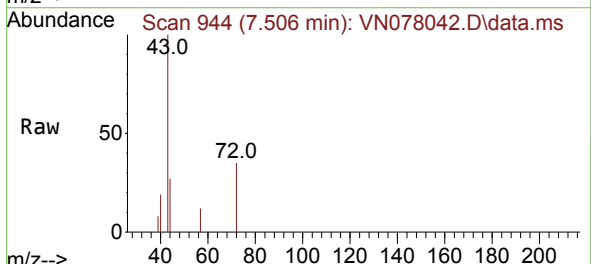
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

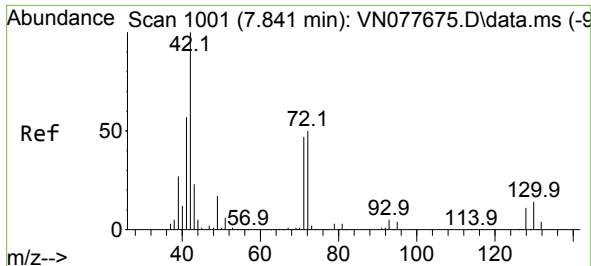
Tgt Ion: 84	Resp: 16178
Ion Ratio	Lower Upper
84 100	
49 93.0	79.7 119.5
51 21.1	25.2 37.8#
86 57.3	53.3 79.9



#25
2-Butanone
Concen: 2.268 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 43	Resp: 6457
Ion Ratio	Lower Upper
43 100	
72 35.3	30.2 45.2





#29

Tetrahydrofuran

Concen: 0.796 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

Lab File: VN078042.D

Acq: 05 Jun 2023 14:21

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#03

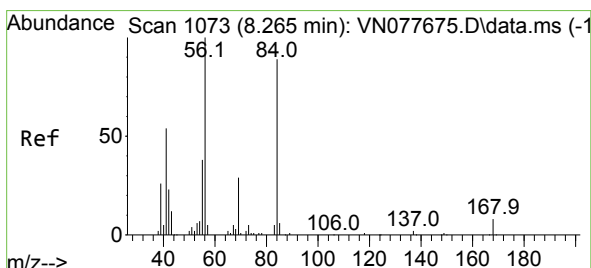
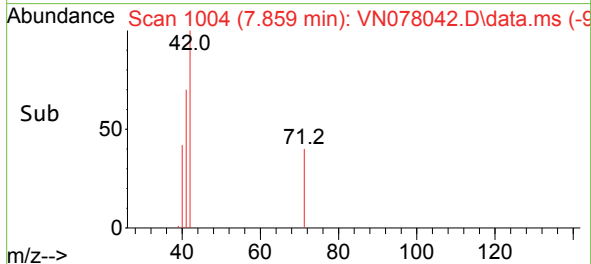
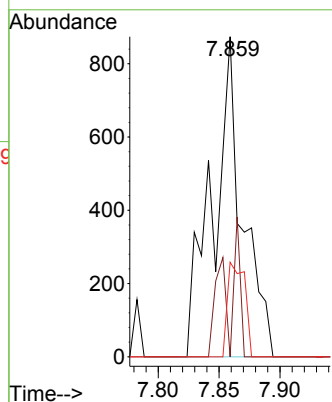
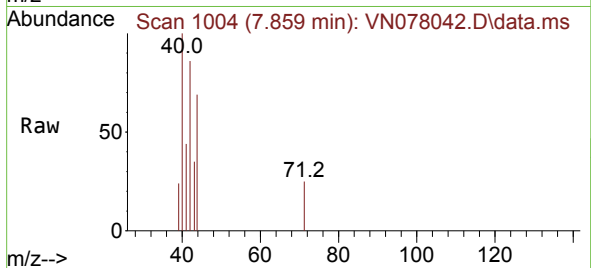
Tgt Ion: 42 Resp: 1483

Ion Ratio Lower Upper

42 100

72 11.4 49.8 74.6#

71 17.1 47.4 71.2#



#31

Cyclohexane

Concen: 1.167 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078042.D

Acq: 05 Jun 2023 14:21

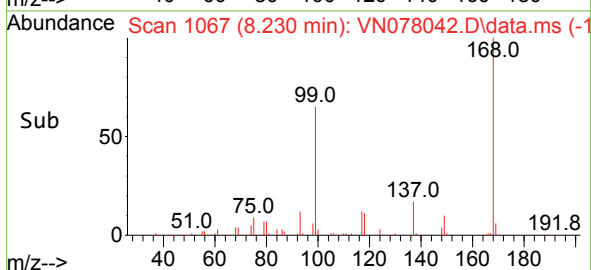
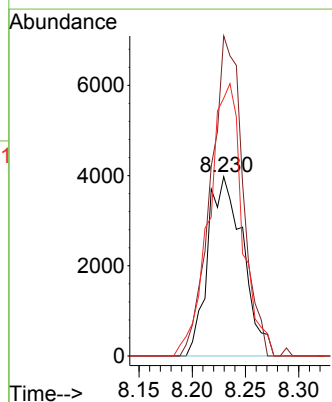
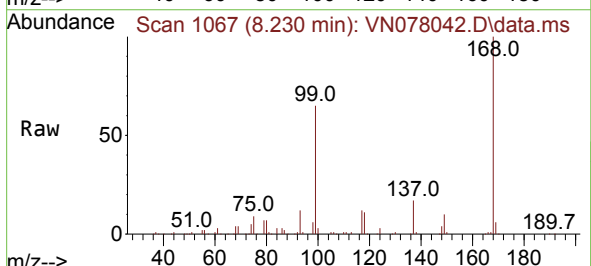
Tgt Ion: 56 Resp: 9174

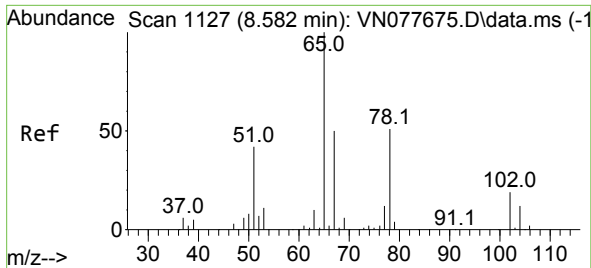
Ion Ratio Lower Upper

56 100

69 178.6 26.8 40.2#

84 143.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.926 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078042.D

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ClientSampleId :

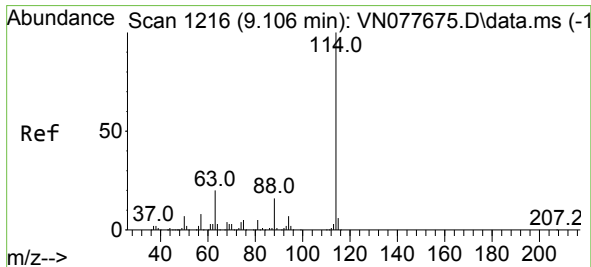
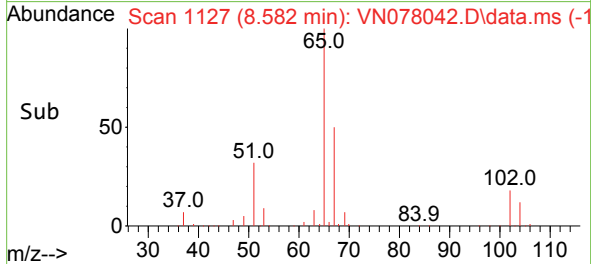
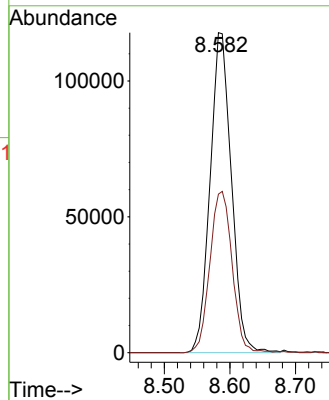
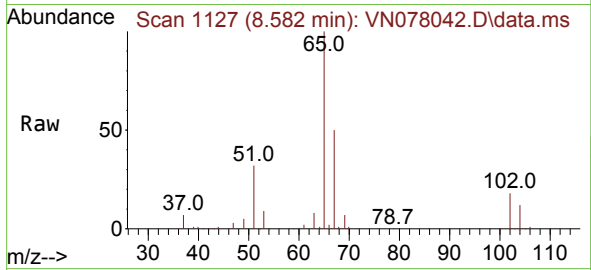
PB153198ZHE#03

Tgt Ion: 65 Resp: 265641

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078042.D

Acq: 05 Jun 2023 14:21

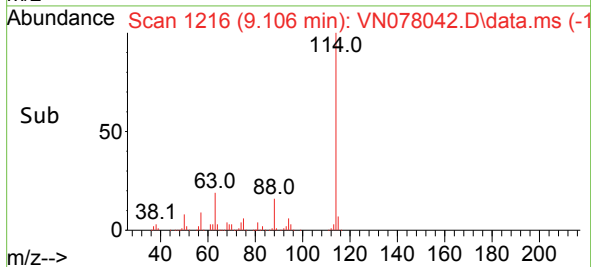
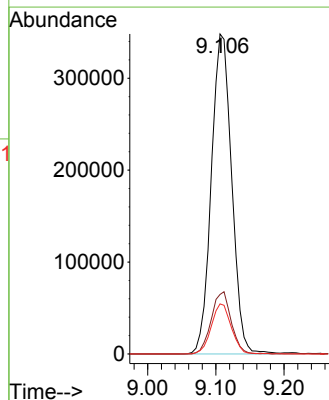
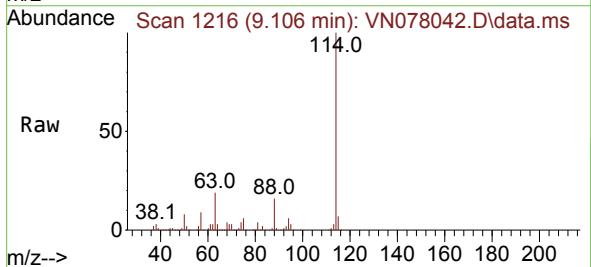
Tgt Ion: 114 Resp: 724059

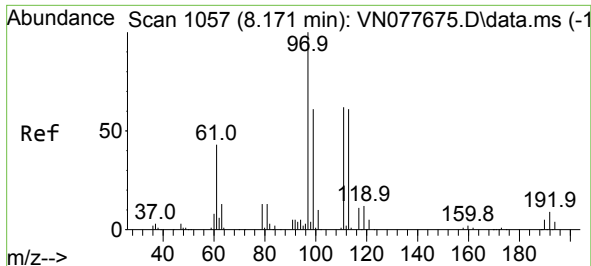
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.4

88 15.7 0.0 30.6

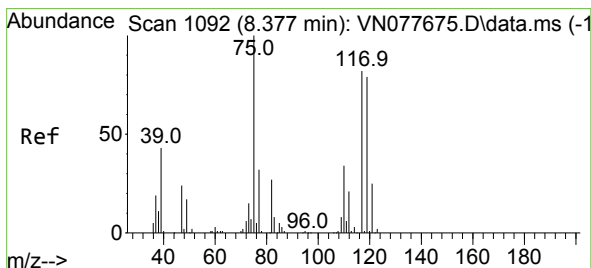
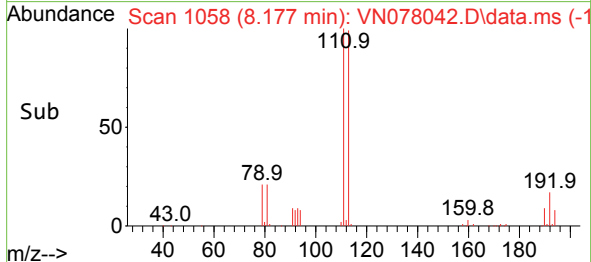
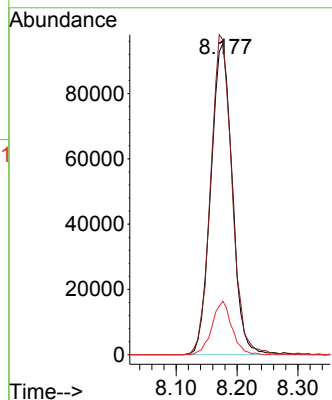
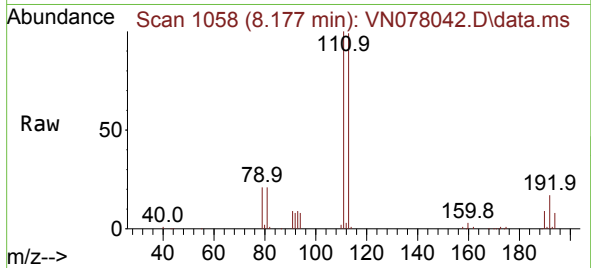




#35
Dibromofluoromethane
Concen: 49.313 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

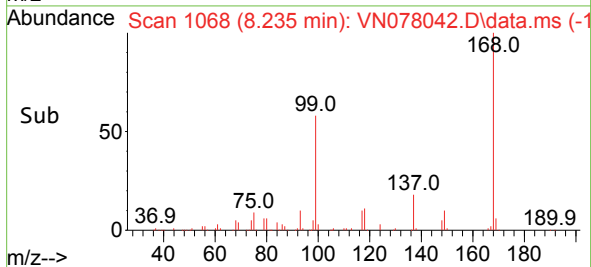
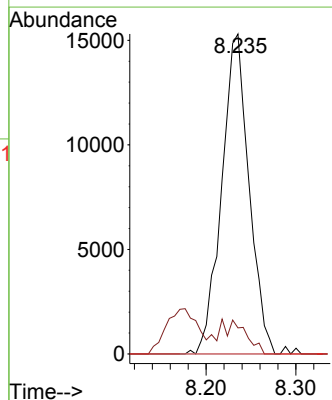
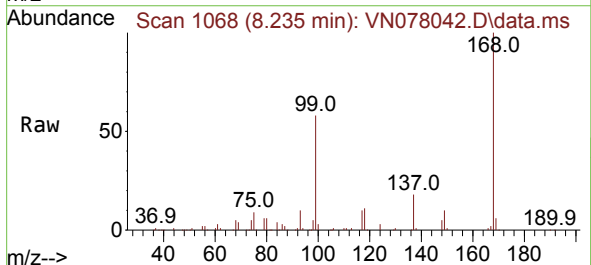
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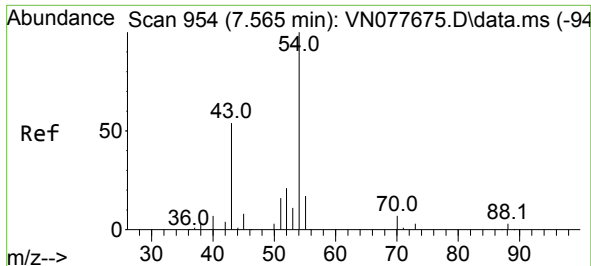
Tgt Ion:113 Resp: 232832
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 15.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 75 Resp: 32389
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#

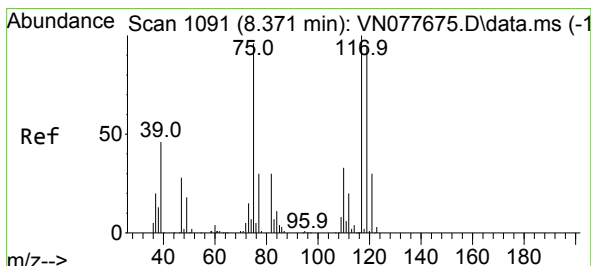
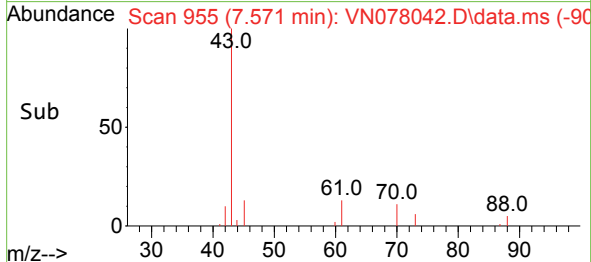
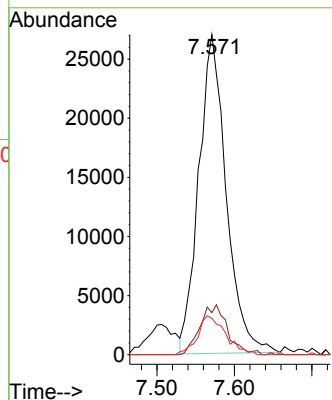
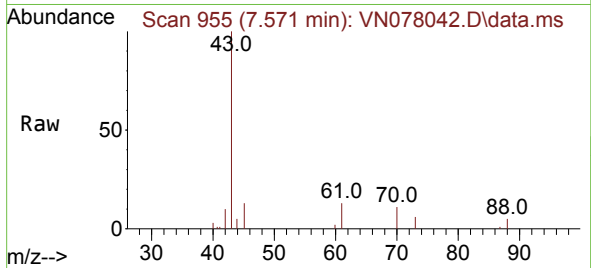




#37
Ethyl Acetate
Concen: 10.787 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

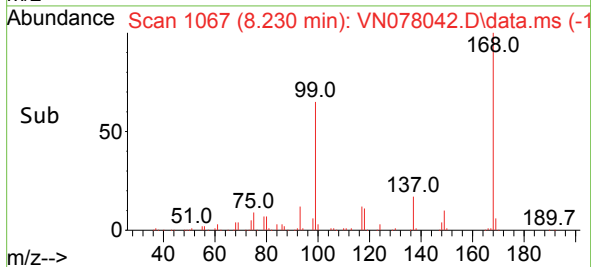
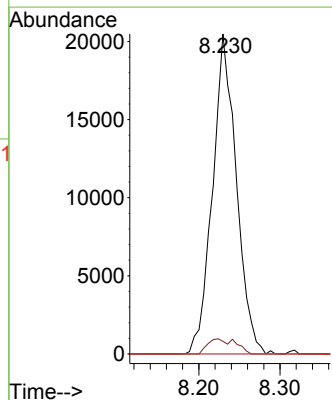
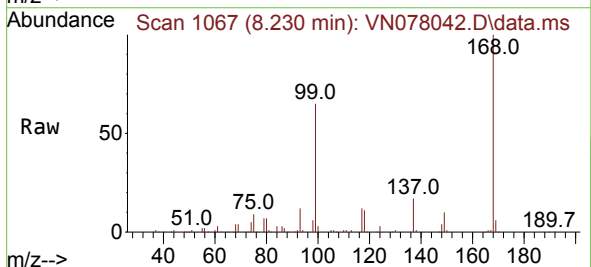
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

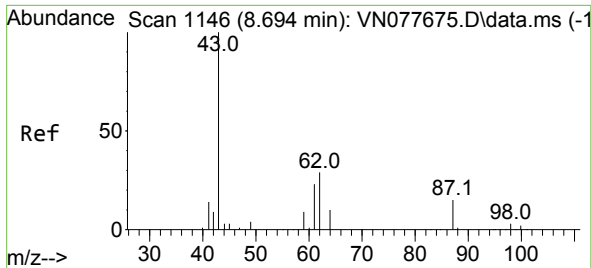
Tgt Ion: 43 Resp: 66397
Ion Ratio Lower Upper
43 100
61 15.7 13.2 19.8
70 12.4 11.3 16.9



#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 117 Resp: 41758
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#

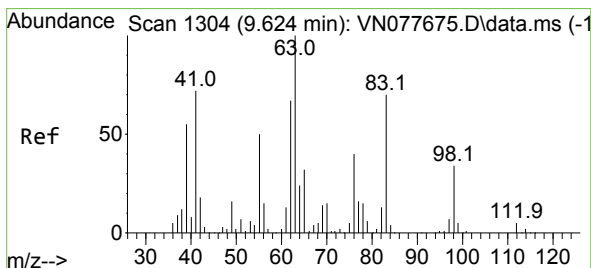
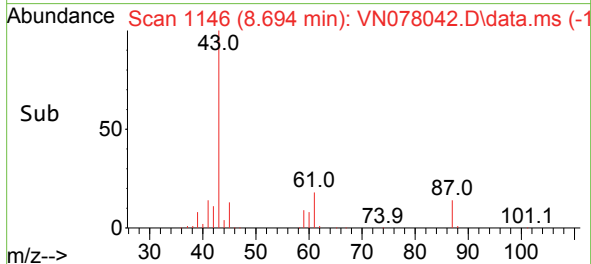
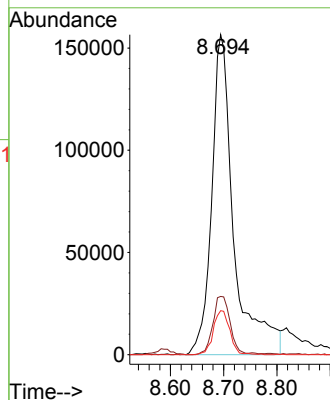
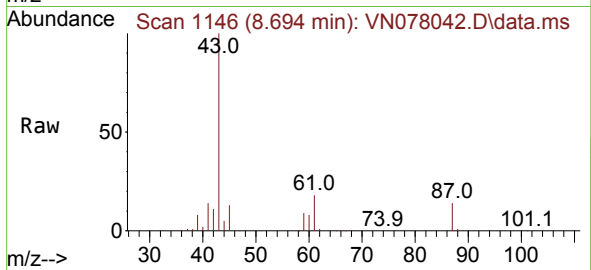




#43
Isopropyl Acetate
Concen: 44.889 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

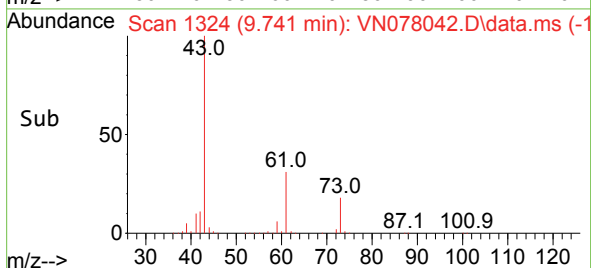
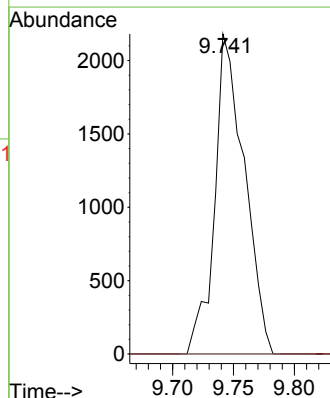
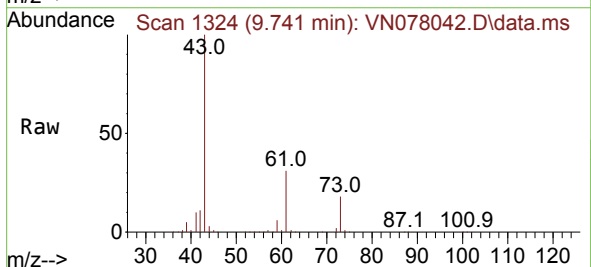
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

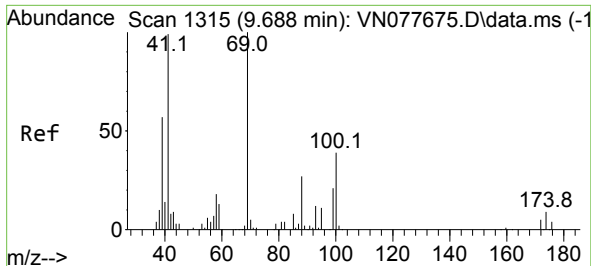
Tgt Ion: 43 Resp: 451321
Ion Ratio Lower Upper
43 100
61 14.2 24.7 37.1#
87 10.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.714 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 63 Resp: 3709
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

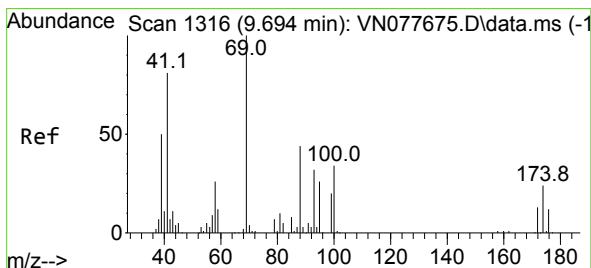
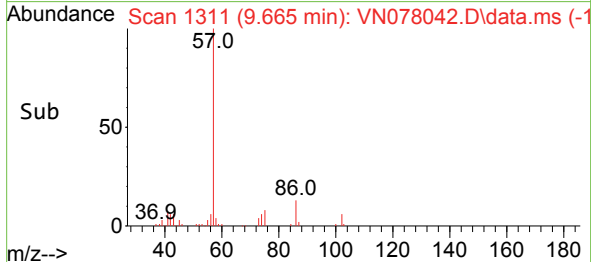
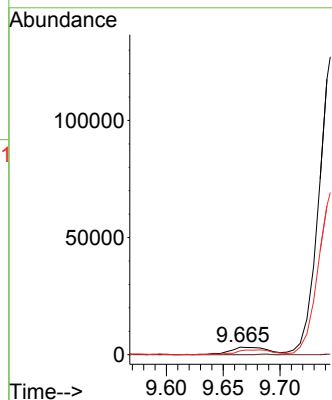
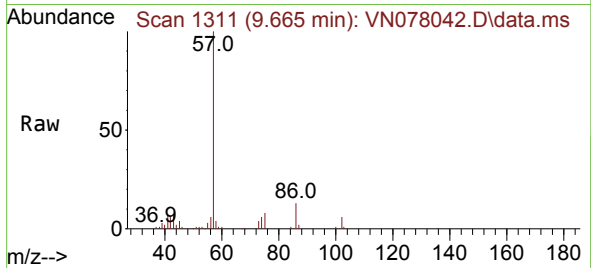




#48
Methyl methacrylate
Concen: 1.588 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.023 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

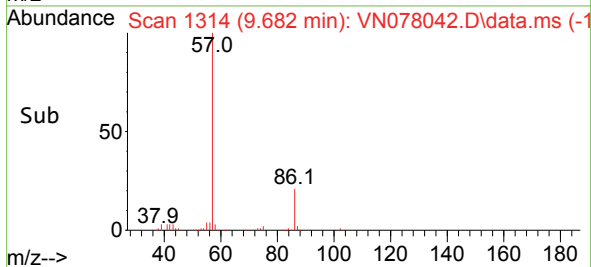
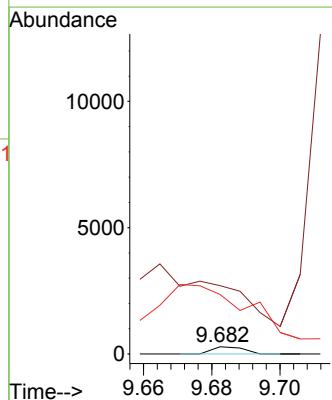
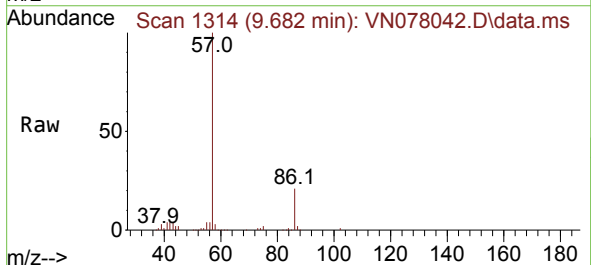
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

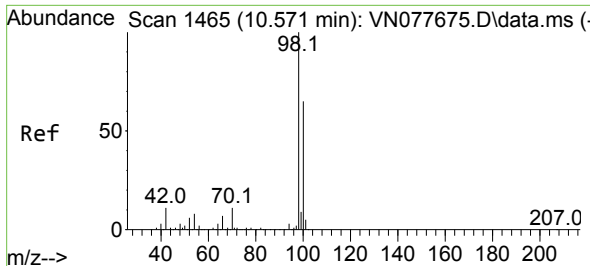
Tgt Ion: 41 Resp: 7572
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#



#49
1,4-Dioxane
Concen: 2.044 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.012 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 3445.7 47.0 70.4#

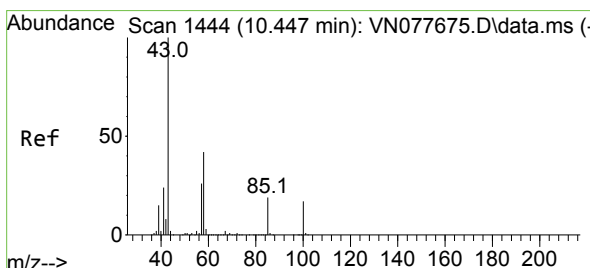
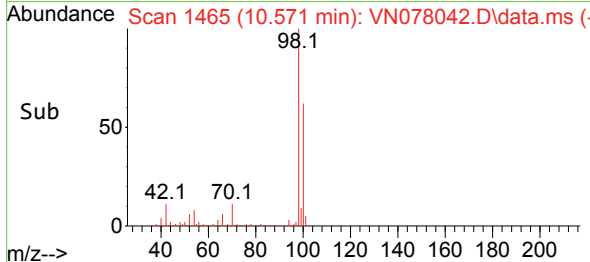
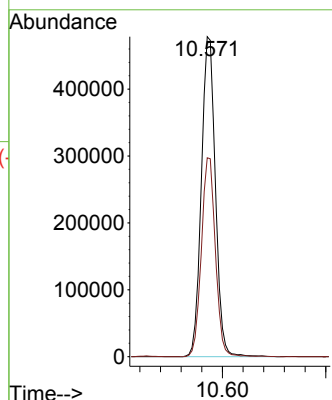
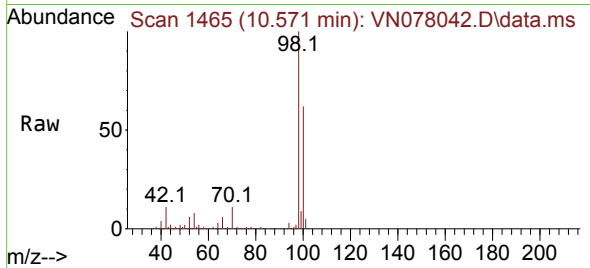




#50
Toluene-d8
Concen: 49.563 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

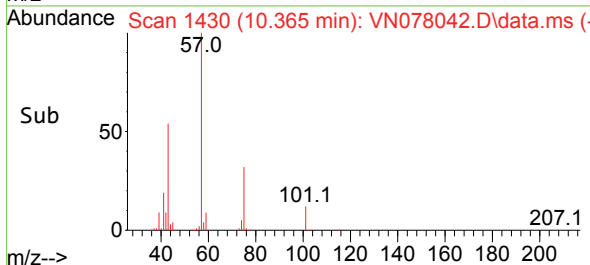
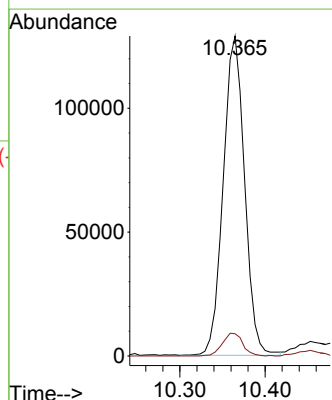
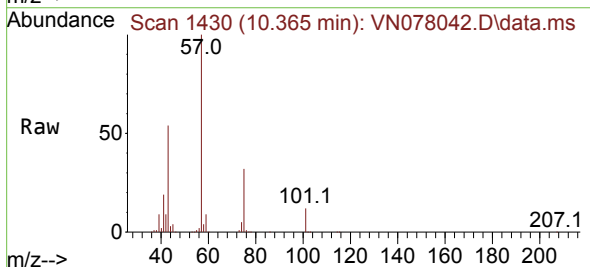
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

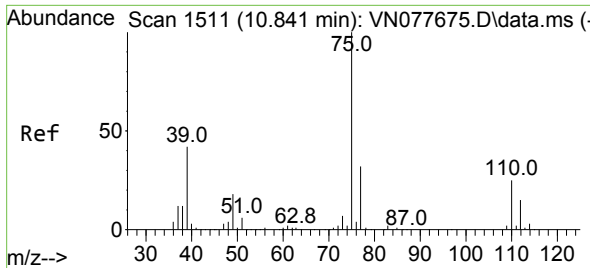
Tgt Ion: 98 Resp: 900732
Ion Ratio Lower Upper
98 100
100 62.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 37.543 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 43 Resp: 224369
Ion Ratio Lower Upper
43 100
58 6.9 36.6 54.8#

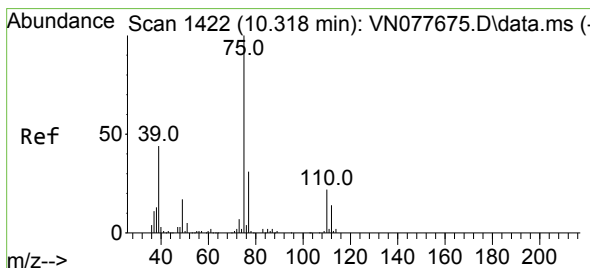
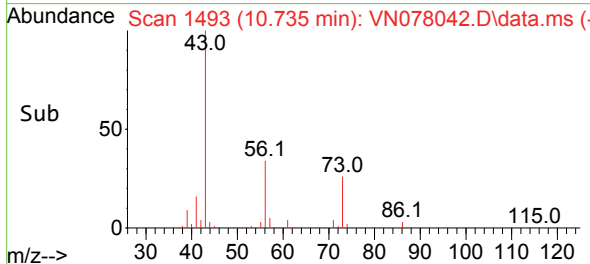
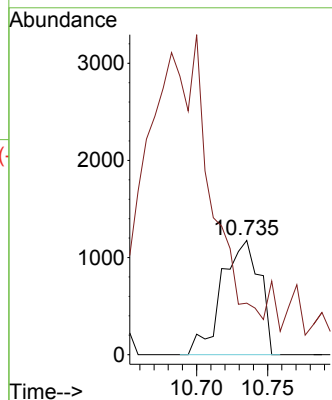
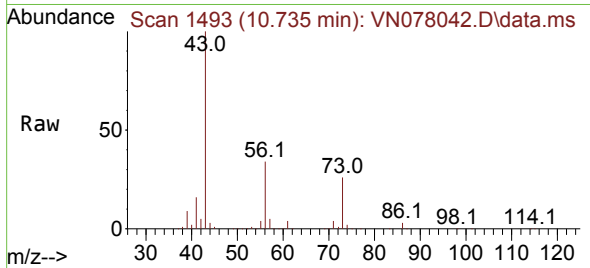




#53
 t-1,3-Dichloropropene
 Concen: 0.291 ug/l
 RT: 10.735 min Scan# 14
 Delta R.T. -0.106 min
 Lab File: VN078042.D
 Acq: 05 Jun 2023 14:21

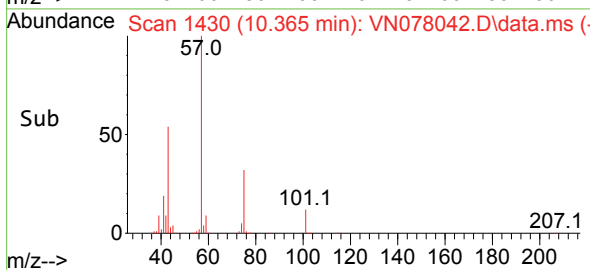
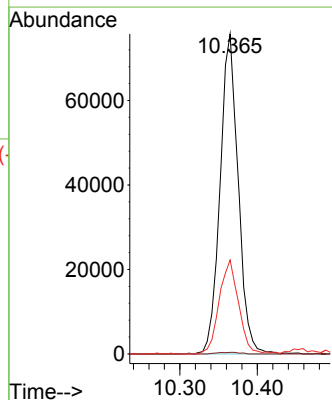
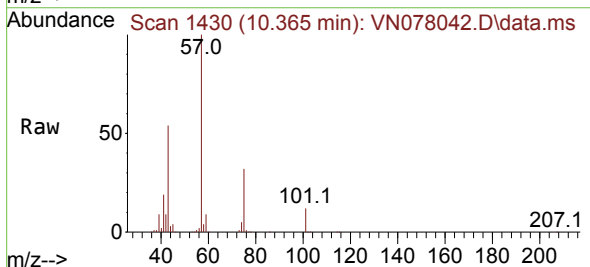
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#03

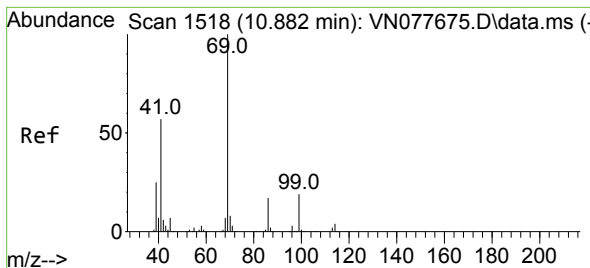
Tgt Ion: 75 Resp: 2191
 Ion Ratio Lower Upper
 75 100
 77 24.7 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.785 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078042.D
 Acq: 05 Jun 2023 14:21

Tgt Ion: 75 Resp: 122868
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 29.3 31.6 47.4#





#56

Ethyl methacrylate

Concen: 0.420 ug/l

RT: 10.988 min Scan# 1536

Delta R.T. 0.106 min

Lab File: VN078042.D

Acq: 05 Jun 2023 14:21

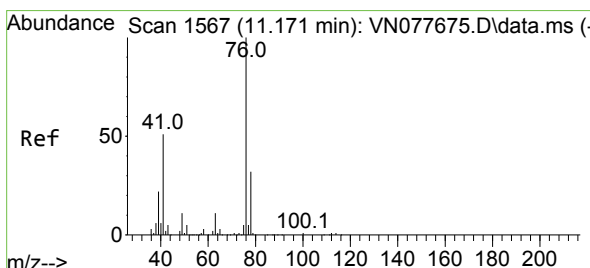
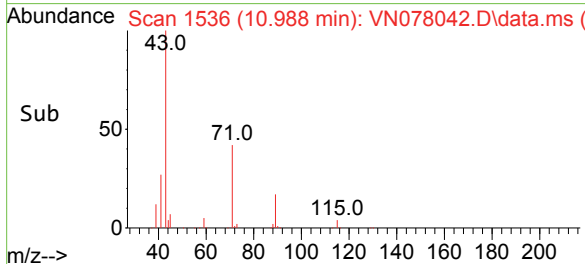
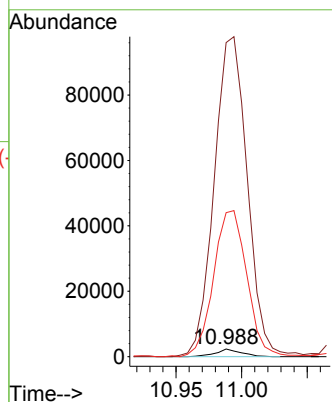
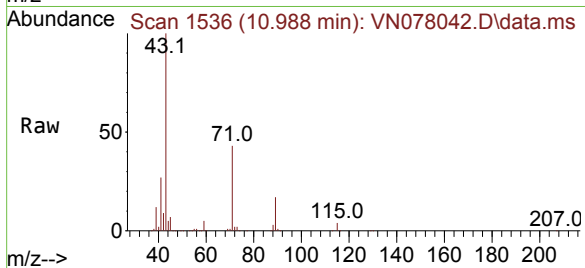
Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#03

Tgt Ion:	69	Resp:	3199
Ion	Ratio	Lower	Upper
69	100		
41	5377.9	39.6	59.4#
39	2471.8	28.6	43.0#



#57

1,3-Dichloropropane

Concen: 1.666 ug/l

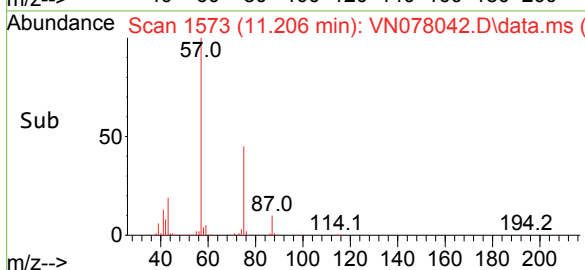
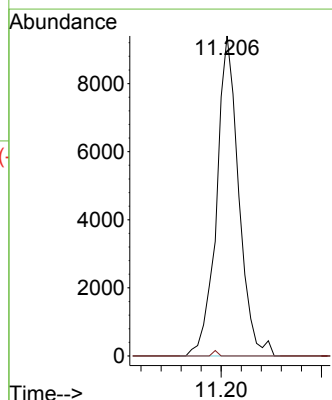
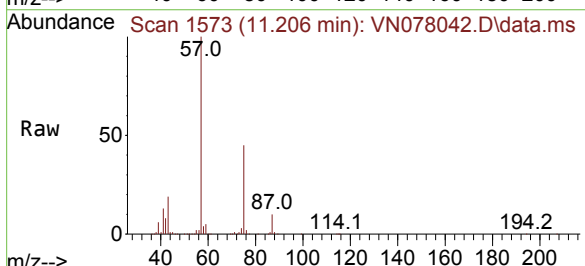
RT: 11.206 min Scan# 1573

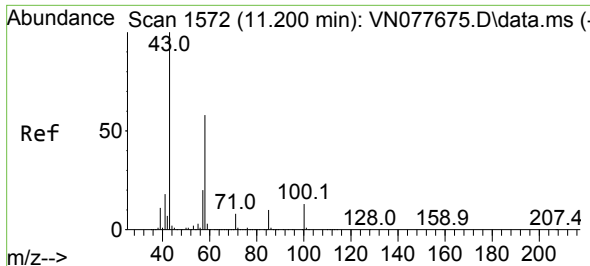
Delta R.T. 0.035 min

Lab File: VN078042.D

Acq: 05 Jun 2023 14:21

Tgt Ion:	76	Resp:	14384
Ion	Ratio	Lower	Upper
76	100		
78	0.4	26.1	39.1#

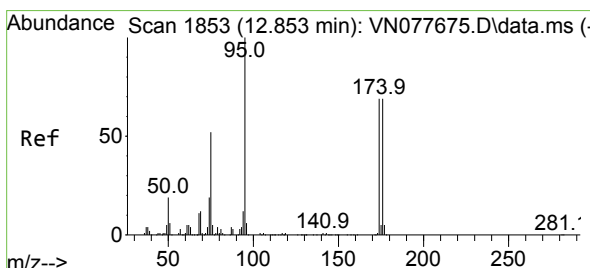
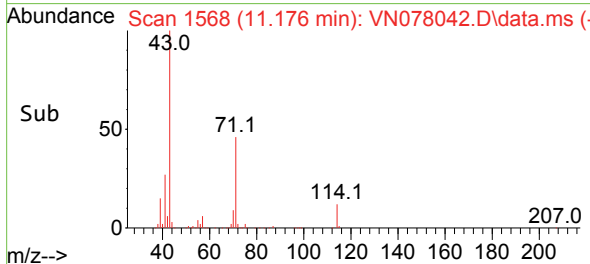
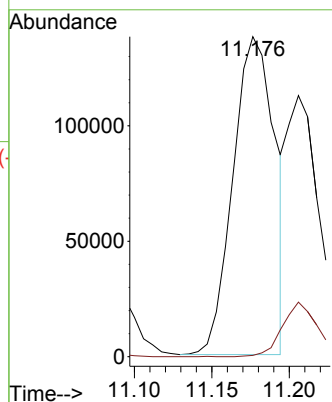
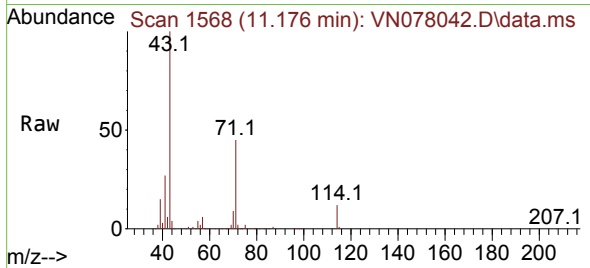




#59
2-Hexanone
Concen: 58.568 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

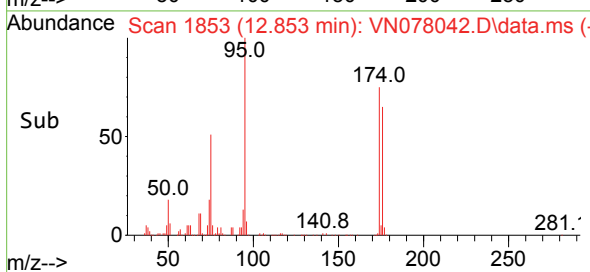
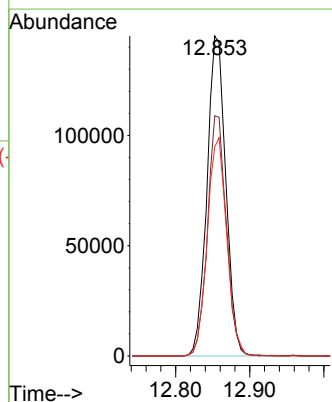
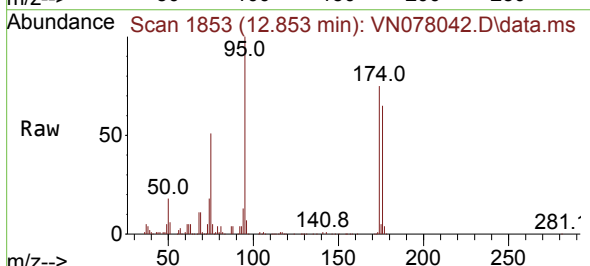
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

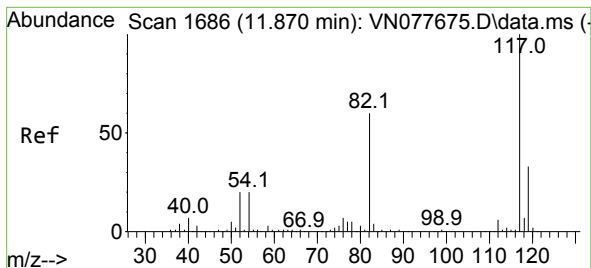
Tgt Ion: 43 Resp: 258895
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 39.943 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Tgt Ion: 95 Resp: 256373
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 70.5 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: VN078042.D

Acq: 05 Jun 2023 14:21

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#03

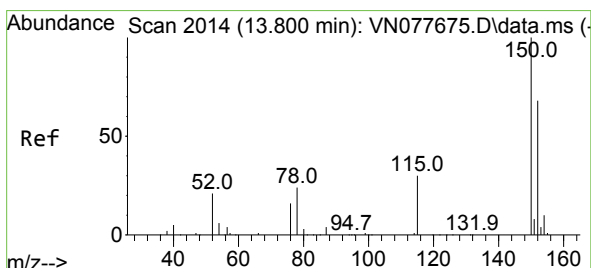
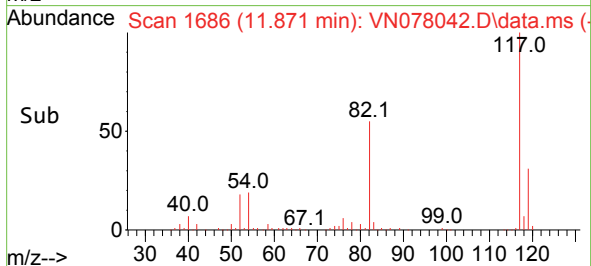
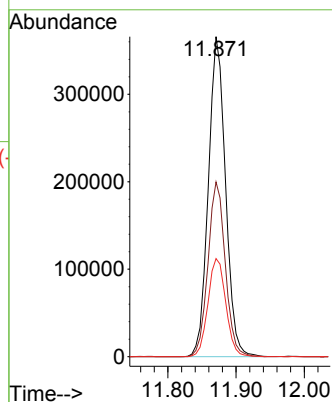
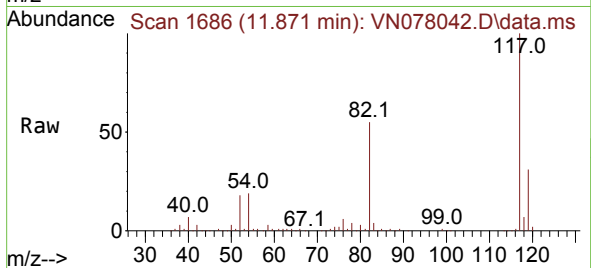
Tgt Ion:117 Resp: 642203

Ion Ratio Lower Upper

117 100

82 54.6 44.0 66.0

119 30.7 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: VN078042.D

Acq: 05 Jun 2023 14:21

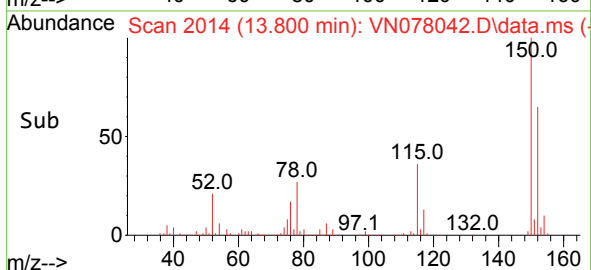
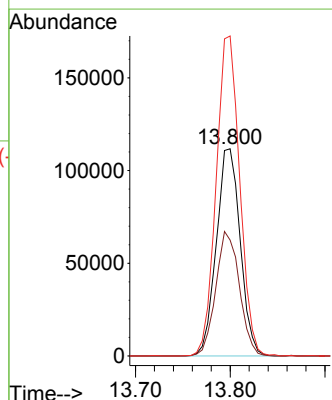
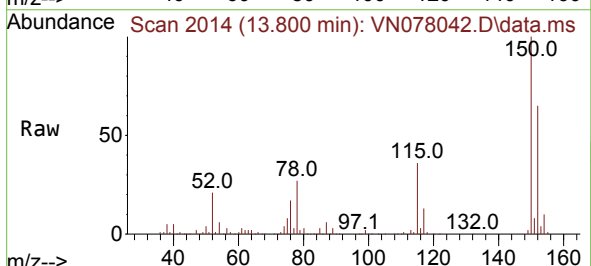
Tgt Ion:152 Resp: 195751

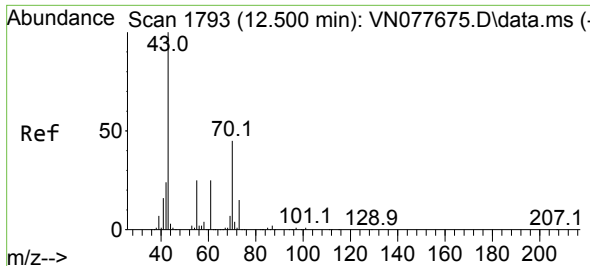
Ion Ratio Lower Upper

152 100

115 59.4 32.3 96.8

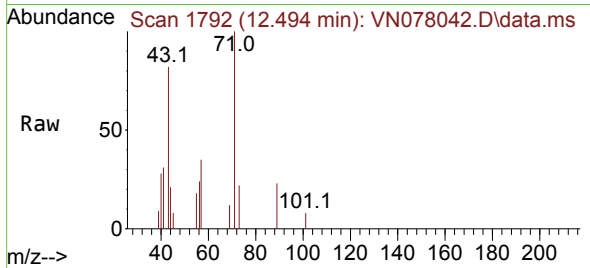
150 152.3 0.0 355.8



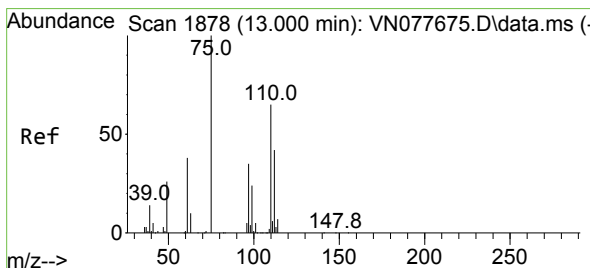
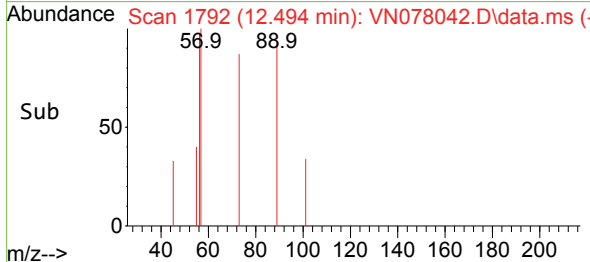
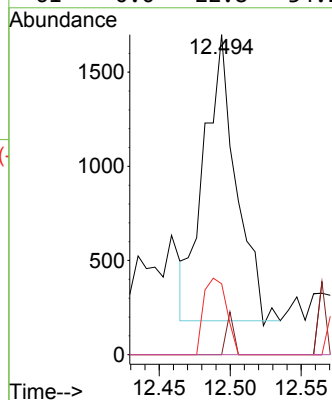


#74
N-amy1 acetate
Concen: 0.384 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03

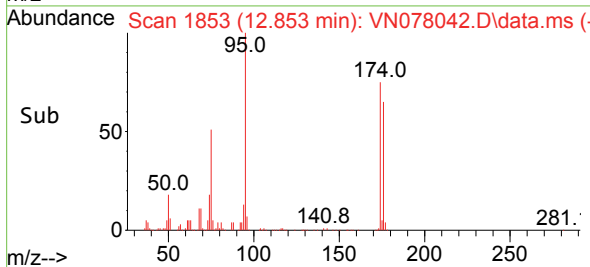
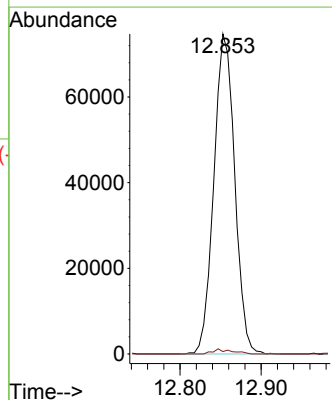
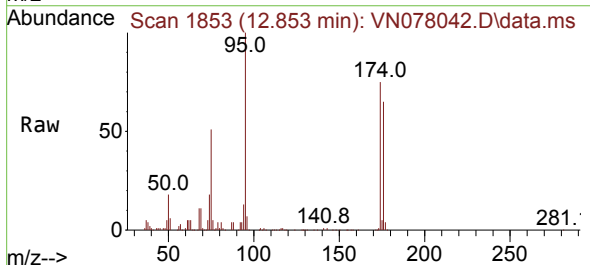


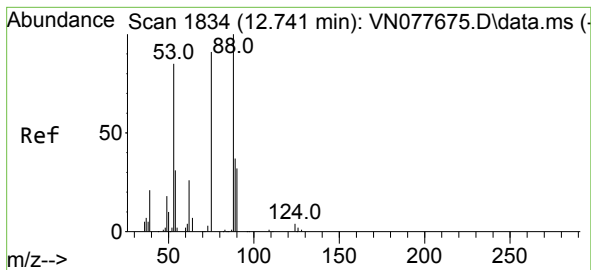
Tgt Ion: 43 Resp: 2396
Ion Ratio Lower Upper
43 100
70 3.3 43.4 65.2#
55 19.0 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.215 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

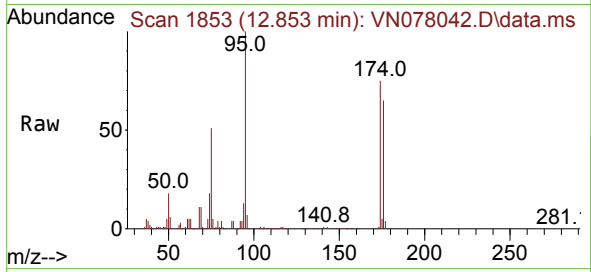
Tgt Ion: 75 Resp: 133415
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 86.992 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078042.D
Acq: 05 Jun 2023 14:21

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#03



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

