

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076986.D
 Acq On : 14 Mar 2023 16:45
 Operator : JC\MD
 Sample : PB151382ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#05

Quant Time: Mar 15 04:25:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

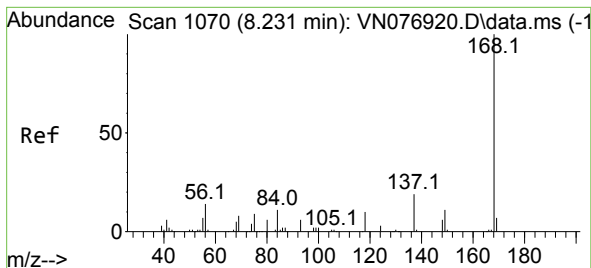
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	312663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	461548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	413832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	181846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	235496	50.473	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.940%		
35) Dibromofluoromethane	8.178	113	154603	50.260	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.520%		
50) Toluene-d8	10.572	98	545851	48.149	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.300%		
62) 4-Bromofluorobenzene	12.854	95	204740	49.375	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.760%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.525	59	584	0.900	ug/l #	72
16) Acetone	4.442	43	22088	13.662	ug/l #	79
18) Methyl Acetate	5.066	43	2238	0.375	ug/l #	62
20) Methylene Chloride	5.295	84	10989	2.643	ug/l	94
25) 2-Butanone	7.489	43	1820	0.791	ug/l #	39
31) Cyclohexane	8.236	56	7613	1.137	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	26580	5.587	ug/l #	51
37) Ethyl Acetate	7.572	43	35066	9.217	ug/l	97
38) Carbon Tetrachloride	8.236	117	38636	6.939	ug/l #	14
43) Isopropyl Acetate	8.695	43	227542	33.880	ug/l #	75
45) 1,2-Dichloropropane	9.748	63	2309	0.669	ug/l #	43
48) Methyl methacrylate	9.748	41	156811	47.653	ug/l #	30
49) 1,4-Dioxane	9.742	88	353	5.665	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	5647	1.400	ug/l	90
53) t-1,3-Dichloropropene	10.730	75	1293	0.254	ug/l #	77
54) cis-1,3-Dichloropropene	10.360	75	65252	11.658	ug/l #	74
56) Ethyl methacrylate	10.983	69	1598	0.314	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	8288	1.400	ug/l #	42
59) 2-Hexanone	11.201	43	105479	35.856	ug/l #	43
71) Bromoform	12.848	173	1923	0.734	ug/l #	1
74) N-amyl acetate	12.495	43	1556	0.290	ug/l #	36
76) 1,2,3-Trichloropropane	12.854	75	128976	29.255	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	128976	95.560	ug/l #	15

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

Quant Time: Mar 15 04:25:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN076986.D

Acq: 14 Mar 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

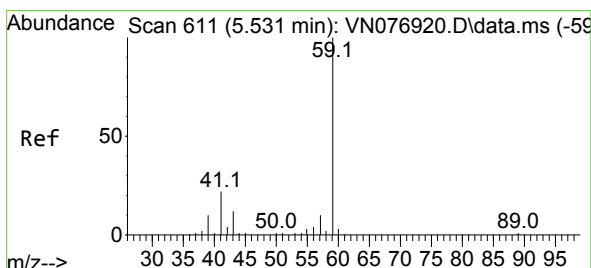
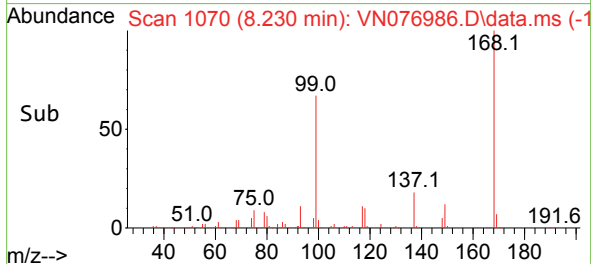
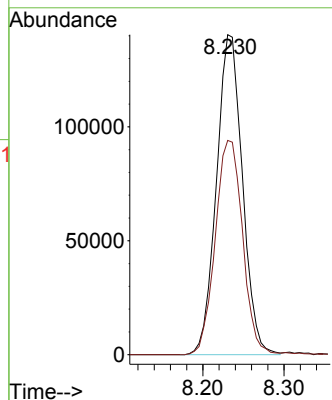
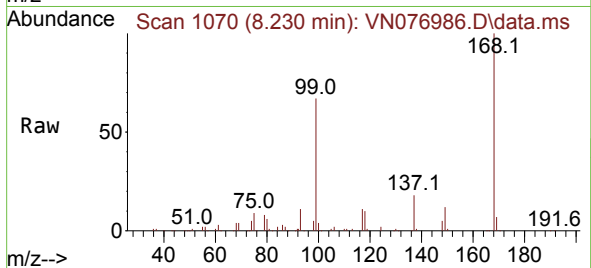
PB151382ZHE#05

Tgt Ion:168 Resp: 312663

Ion Ratio Lower Upper

168 100

99 66.9 48.6 73.0



#11

Tert butyl alcohol

Concen: 0.900 ug/l

RT: 5.525 min Scan# 610

Delta R.T. -0.006 min

Lab File: VN076986.D

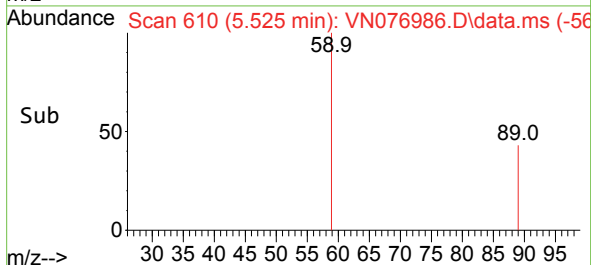
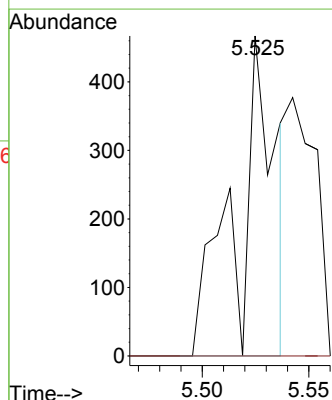
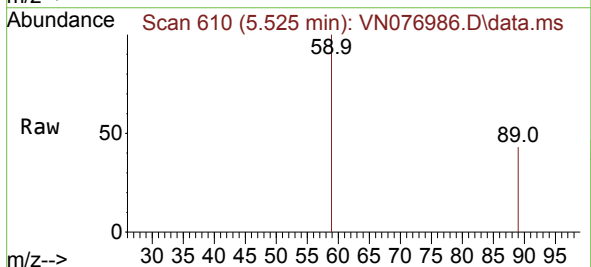
Acq: 14 Mar 2023 16:45

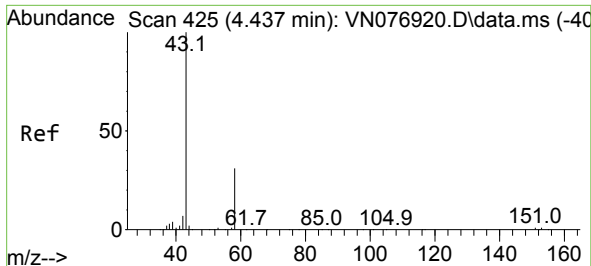
Tgt Ion: 59 Resp: 584

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

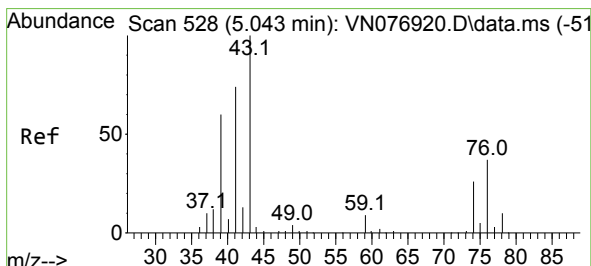
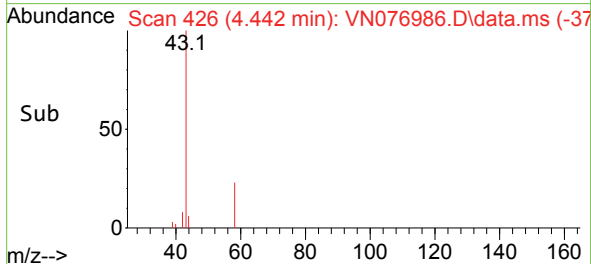
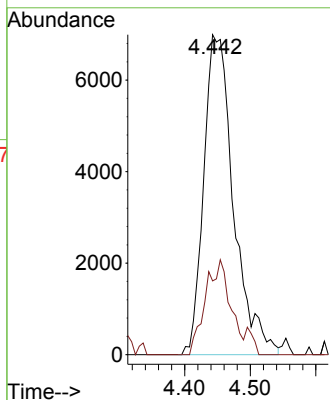
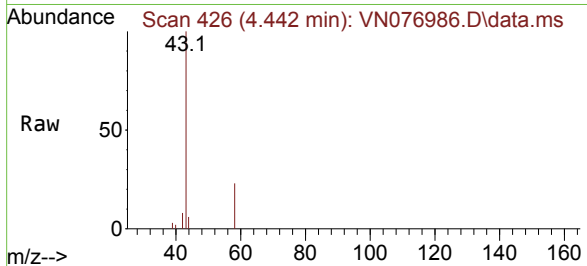




#16
Acetone
Concen: 13.662 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

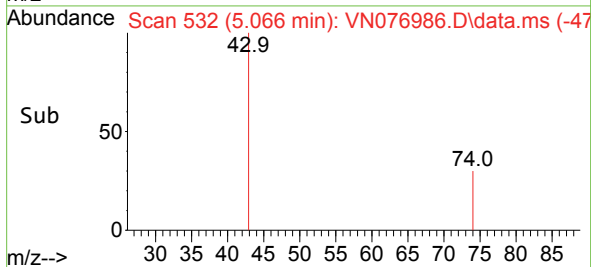
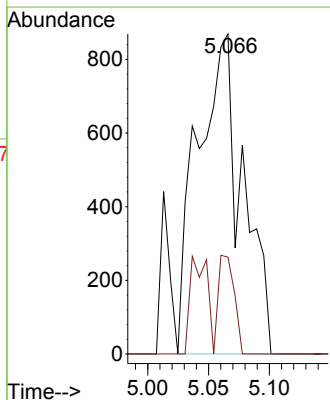
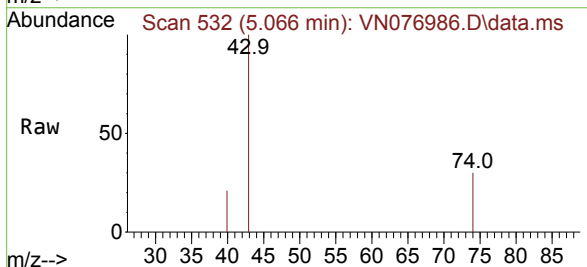
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#05

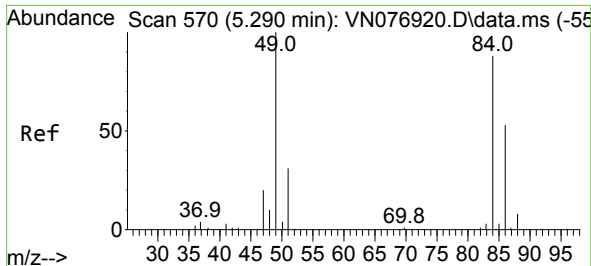
Tgt Ion: 43 Resp: 22088
Ion Ratio Lower Upper
43 100
58 23.0 28.2 42.2#



#18
Methyl Acetate
Concen: 0.375 ug/l
RT: 5.066 min Scan# 532
Delta R.T. 0.023 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

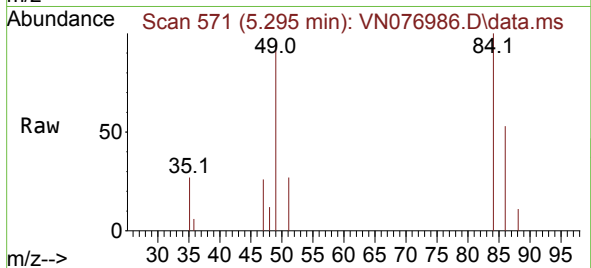
Tgt Ion: 43 Resp: 2238
Ion Ratio Lower Upper
43 100
74 10.9 25.9 38.9#



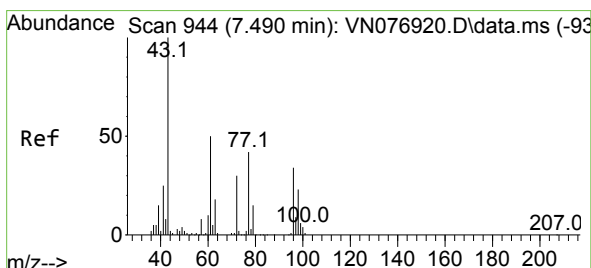
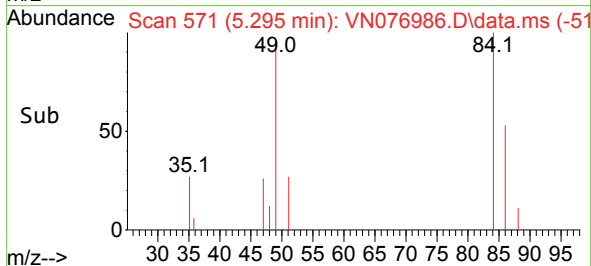
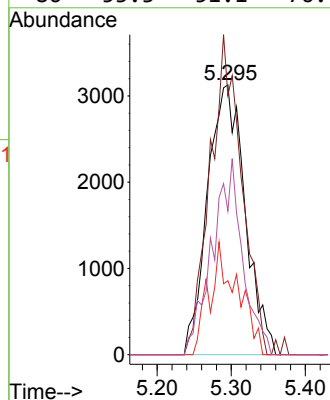


#20
Methylene Chloride
Concen: 2.643 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#05

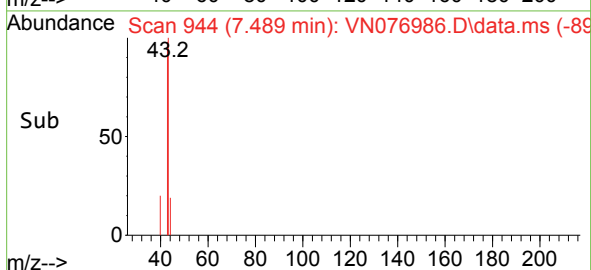
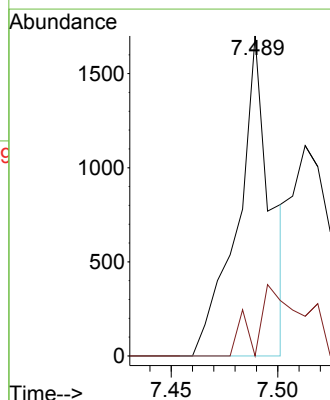
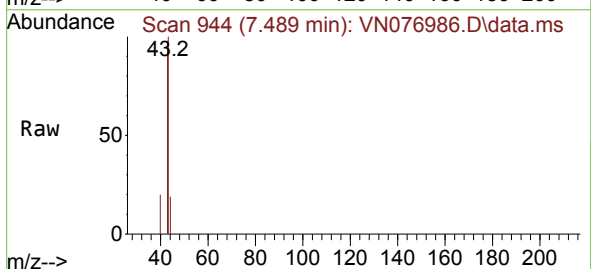


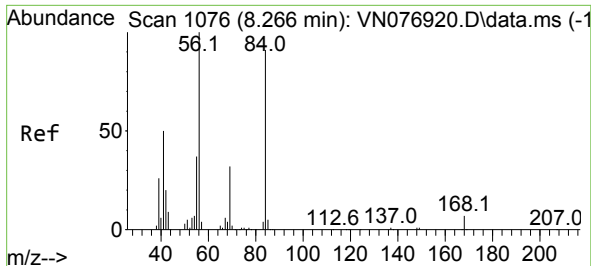
Tgt Ion: 84	Resp: 10989
Ion Ratio	Lower Upper
84 100	
49 96.1	76.6 114.8
51 27.4	25.4 38.2
86 53.3	51.1 76.7



#25
2-Butanone
Concen: 0.791 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Tgt Ion: 43	Resp: 1820		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	28.8	43.2#	

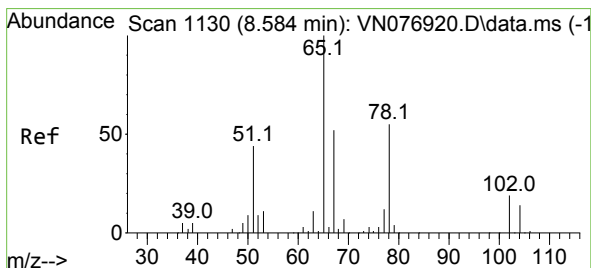
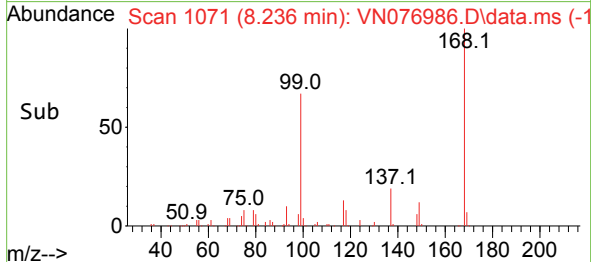
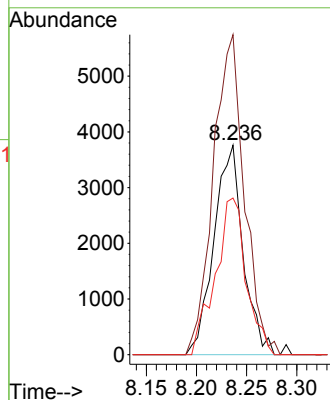
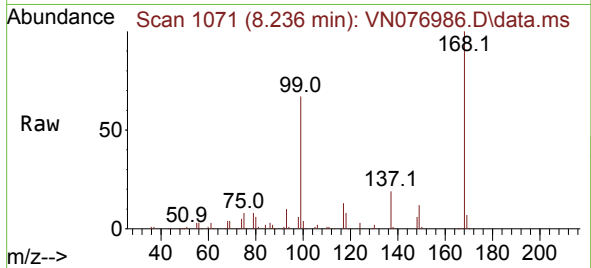




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.236 min Scan# 1076
Delta R.T. -0.030 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

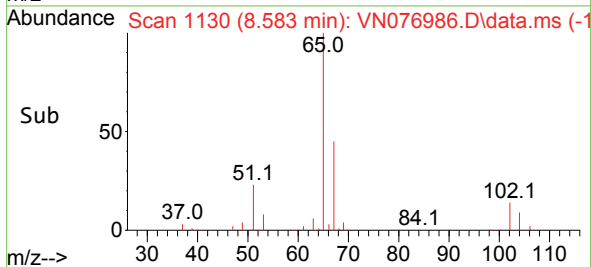
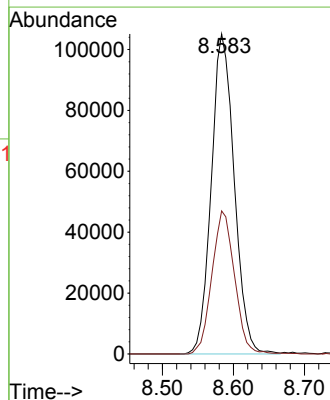
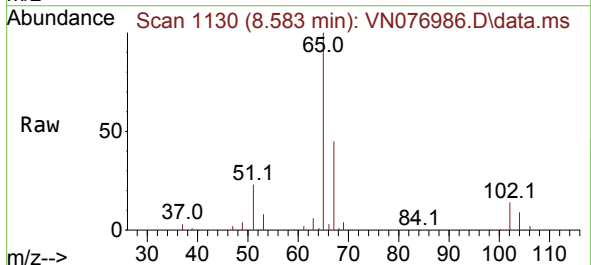
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#05

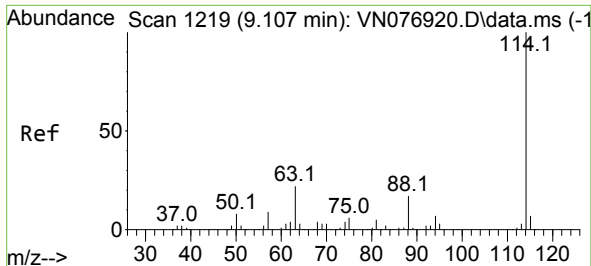
Tgt Ion: 56 Resp: 7613
Ion Ratio Lower Upper
56 100
69 152.8 27.0 40.6#
84 74.8 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 50.473 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Tgt Ion: 65 Resp: 235496
Ion Ratio Lower Upper
65 100
67 44.0 0.0 107.2

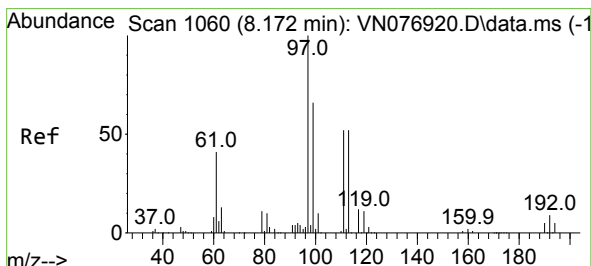
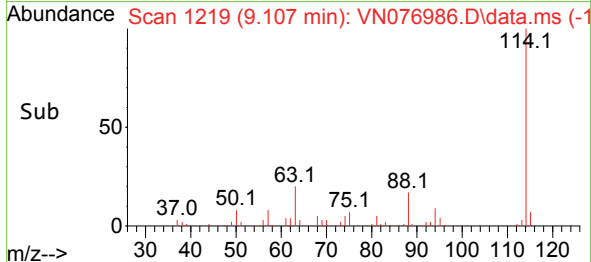
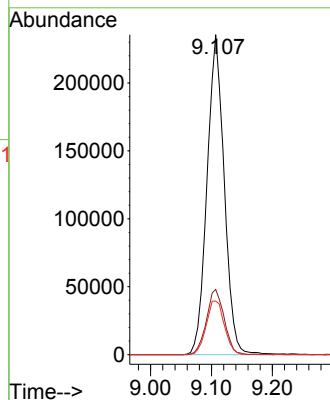
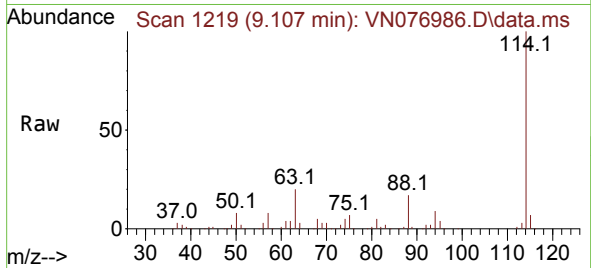




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

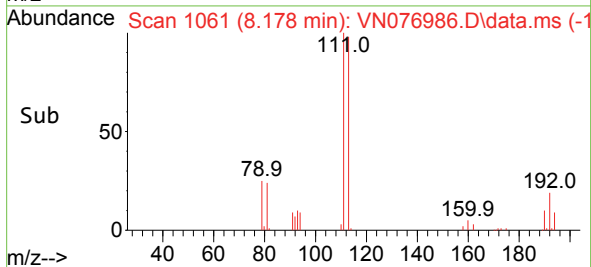
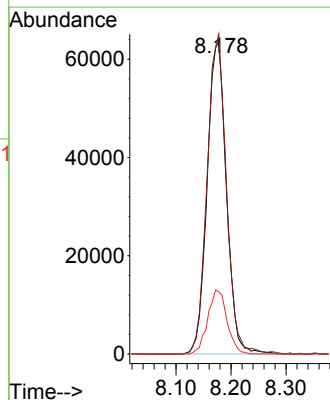
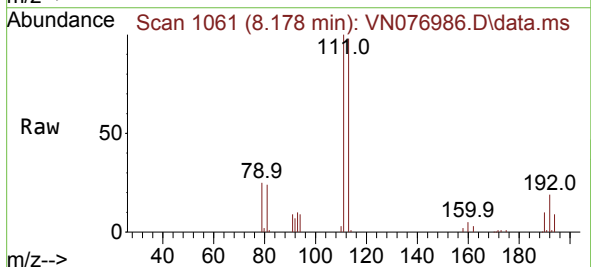
Instrument :
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ClientSampleId :
PB151382ZHE#05

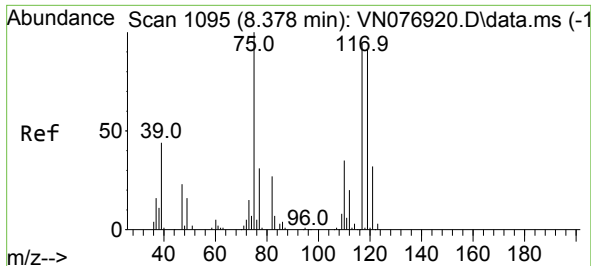
Tgt Ion:114 Resp: 461548
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.6
88 16.8 0.0 28.6



#35
Dibromofluoromethane
Concen: 50.260 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Tgt Ion:113 Resp: 154603
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 20.5 13.9 20.9

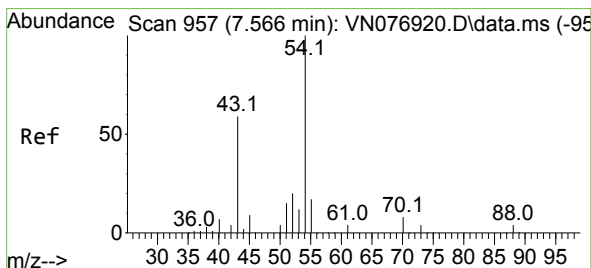
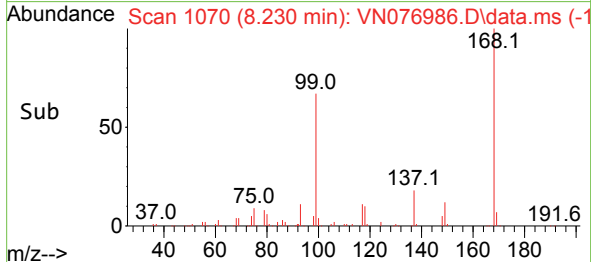
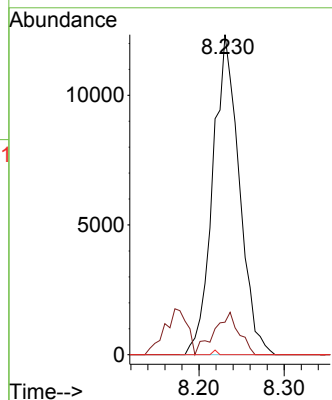
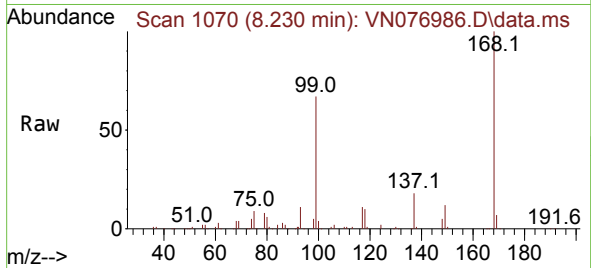




#36
1,1-Dichloropropene
Concen: 5.587 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.148 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

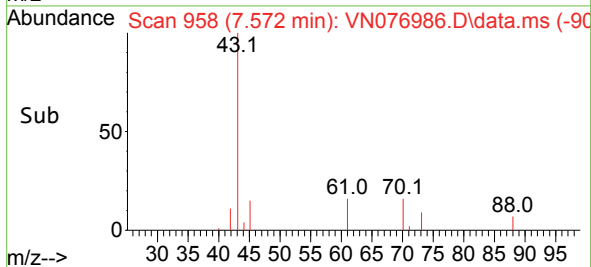
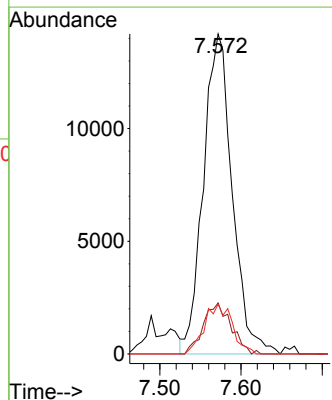
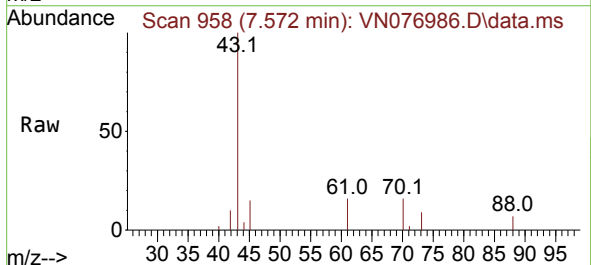
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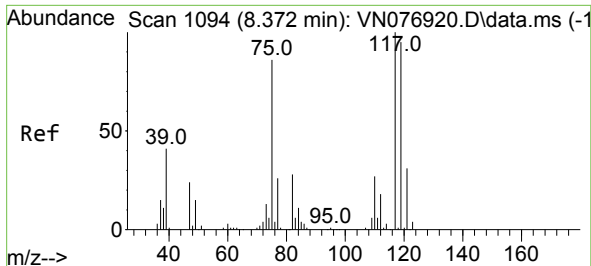
Tgt Ion: 75 Resp: 26580
Ion Ratio Lower Upper
75 100
110 11.7 18.9 56.9#
77 0.2 24.9 37.3#



#37
Ethyl Acetate
Concen: 9.217 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

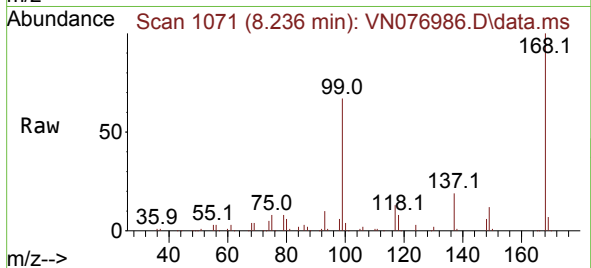
Tgt Ion: 43 Resp: 35066
Ion Ratio Lower Upper
43 100
61 15.4 13.5 20.3
70 15.1 11.0 16.6



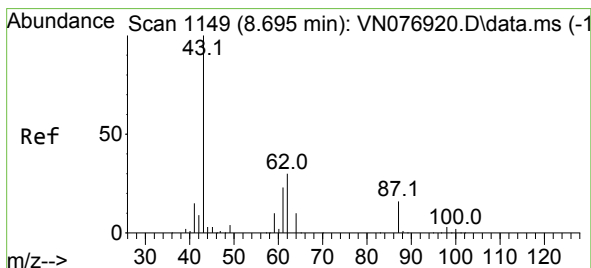
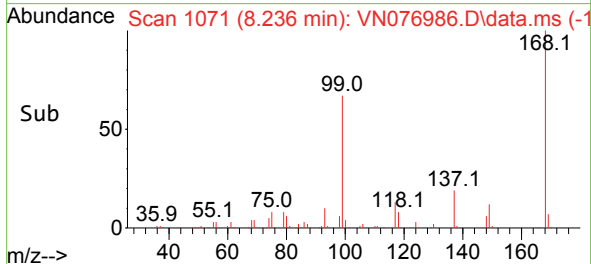
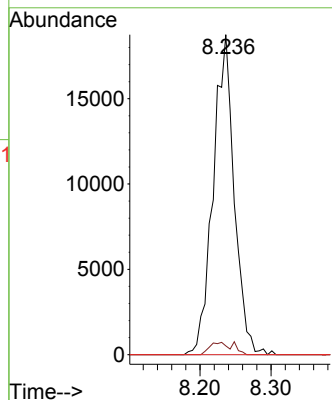


#38
Carbon Tetrachloride
Concen: 6.939 ug/l
RT: 8.236 min Scan# 1094
Delta R.T. -0.136 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#05

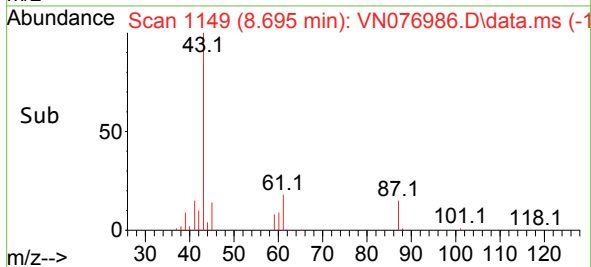
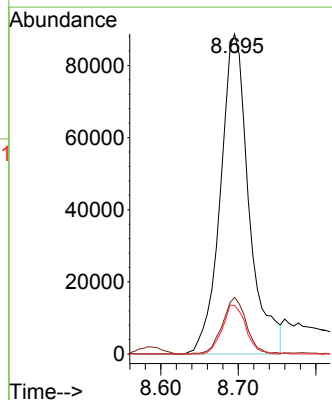
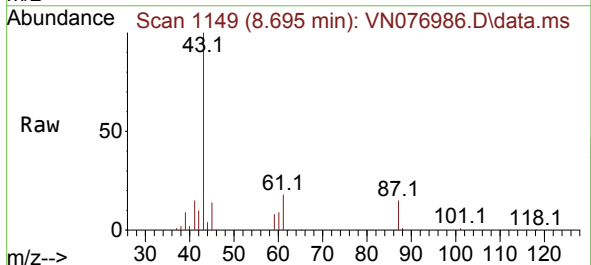


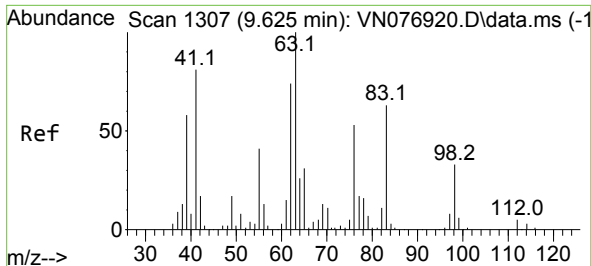
Tgt Ion:117 Resp: 38636
Ion Ratio Lower Upper
117 100
119 2.8 76.9 115.3#
121 0.0 23.2 34.8#



#43
Isopropyl Acetate
Concen: 33.880 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Tgt Ion: 43 Resp: 227542
Ion Ratio Lower Upper
43 100
61 14.8 26.2 39.2#
87 12.5 14.8 22.2#





#45

1,2-Dichloropropane

Concen: 0.669 ug/l

RT: 9.748 min Scan# 1328

Delta R.T. 0.123 min

Lab File: VN076986.D

Acq: 14 Mar 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

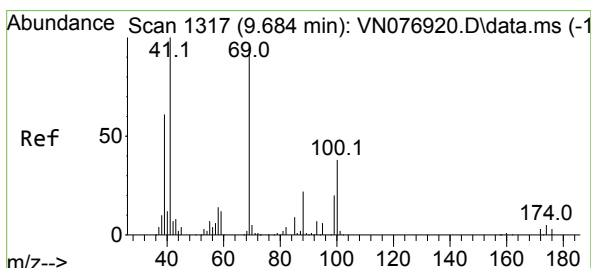
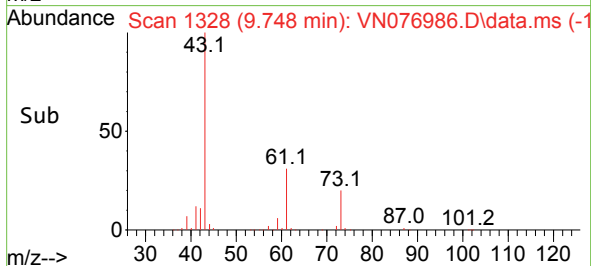
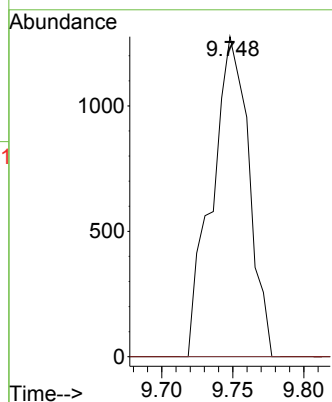
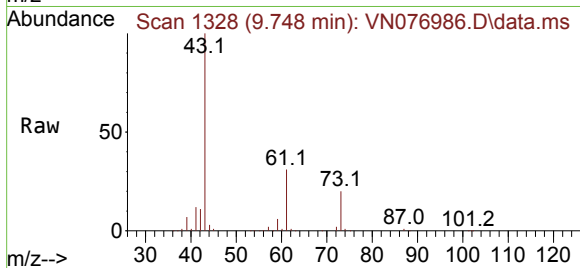
PB151382ZHE#05

Tgt Ion: 63 Resp: 2309

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



#48

Methyl methacrylate

Concen: 47.653 ug/l

RT: 9.748 min Scan# 1328

Delta R.T. 0.064 min

Lab File: VN076986.D

Acq: 14 Mar 2023 16:45

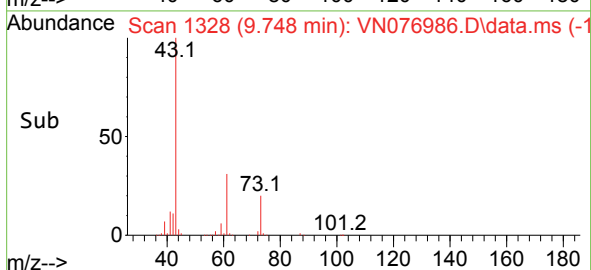
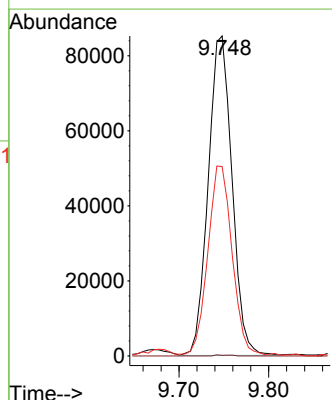
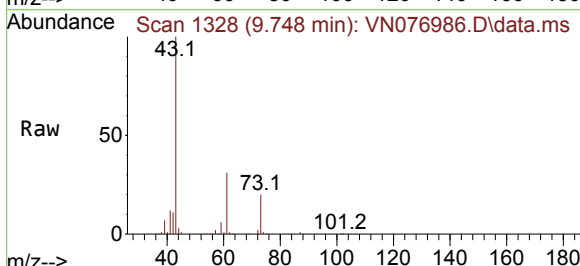
Tgt Ion: 41 Resp: 156811

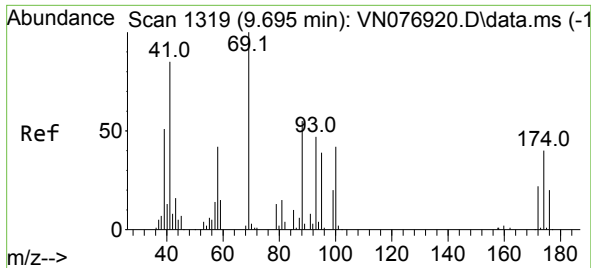
Ion Ratio Lower Upper

41 100

69 0.2 92.6 139.0#

39 60.5 51.4 77.0





#49

1,4-Dioxane

Concen: 5.665 ug/l

RT: 9.742 min Scan# 1319

Delta R.T. 0.047 min

Lab File: VN076986.D

Acq: 14 Mar 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#05

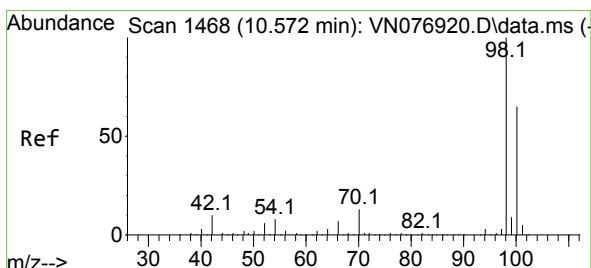
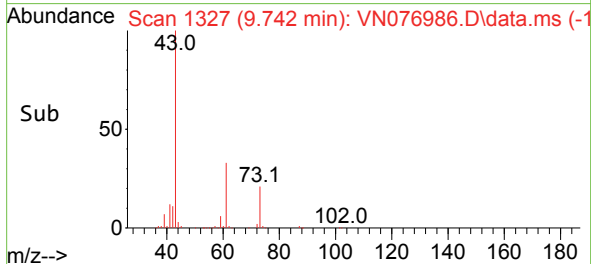
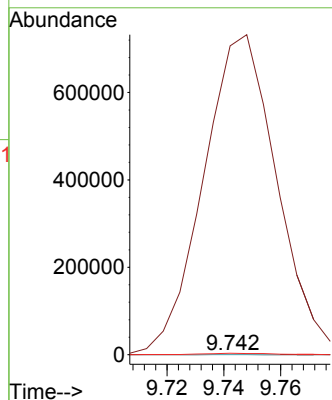
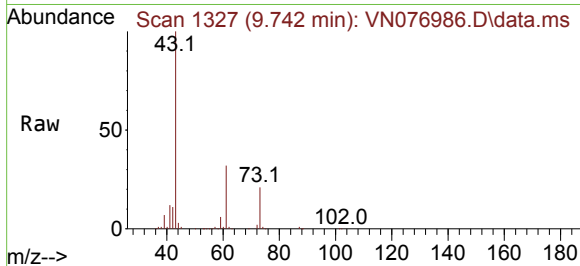
Tgt Ion: 88 Resp: 353

Ion Ratio Lower Upper

88 100

43 377007.1 15.3 22.9#

58 1588.7 47.6 71.4#



#50

Toluene-d8

Concen: 48.149 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076986.D

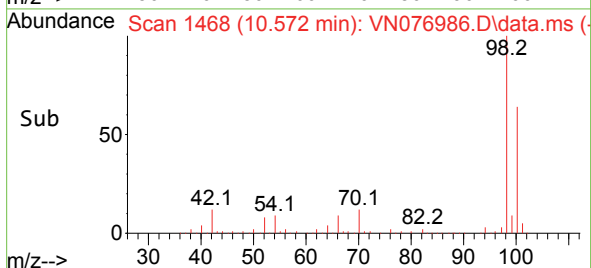
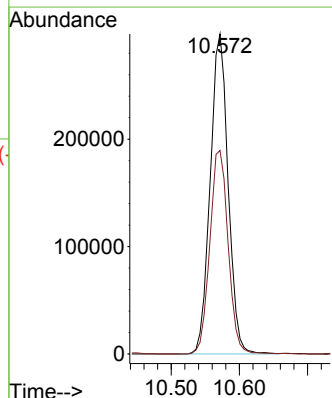
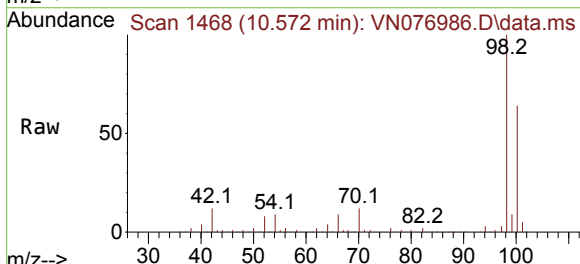
Acq: 14 Mar 2023 16:45

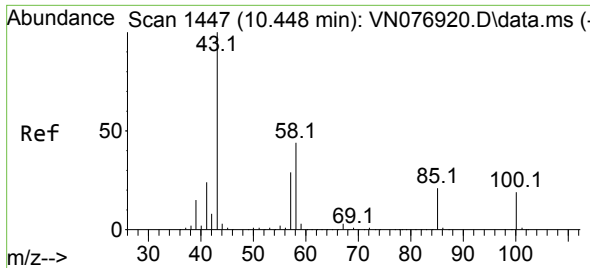
Tgt Ion: 98 Resp: 545851

Ion Ratio Lower Upper

98 100

100 65.1 52.8 79.2

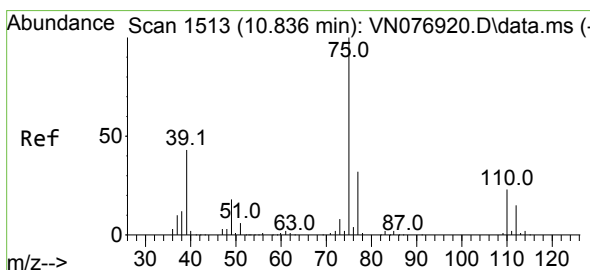
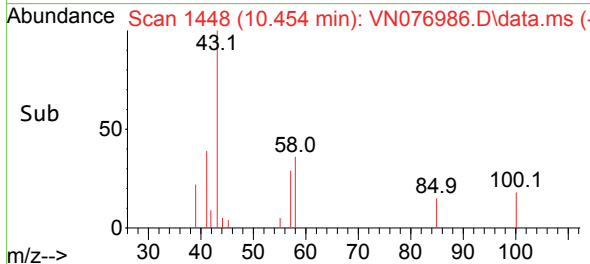
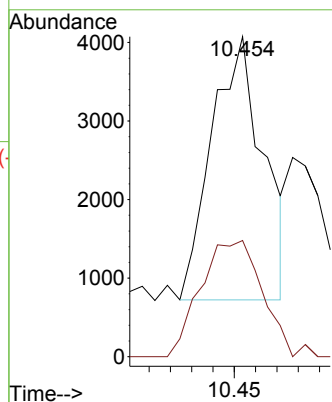
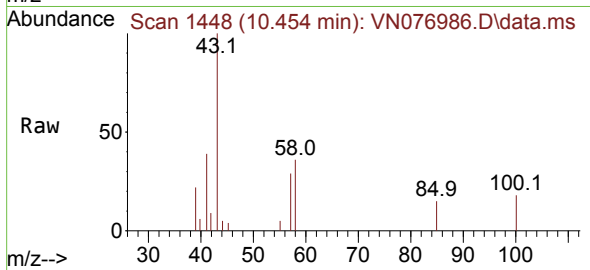




#51
4-Methyl-2-Pentanone
Concen: 1.400 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

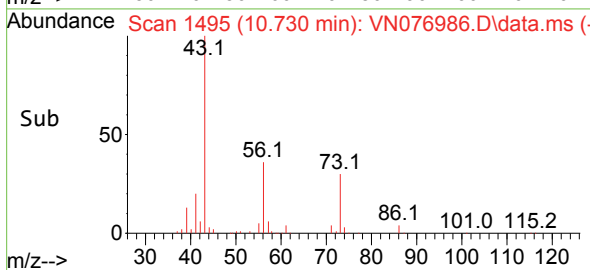
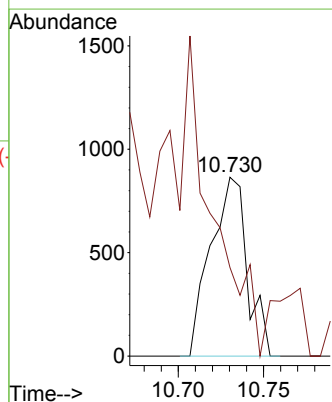
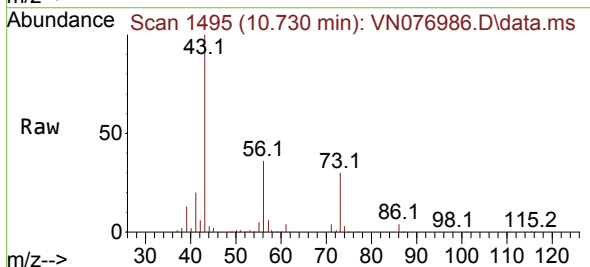
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#05

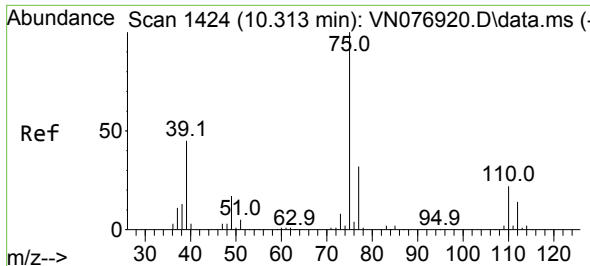
Tgt Ion: 43 Resp: 5647
Ion Ratio Lower Upper
43 100
58 53.1 37.4 56.0



#53
t-1,3-Dichloropropene
Concen: 0.254 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Tgt Ion: 75 Resp: 1293
Ion Ratio Lower Upper
75 100
77 18.8 25.0 37.6#

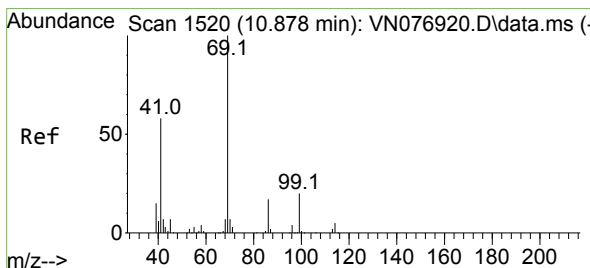
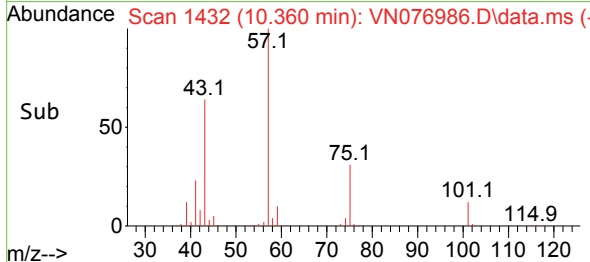
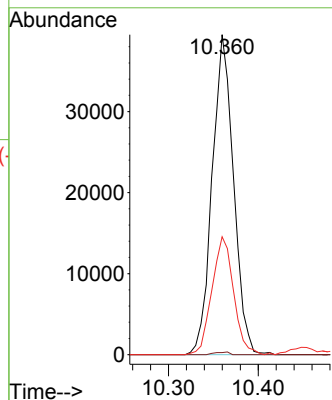
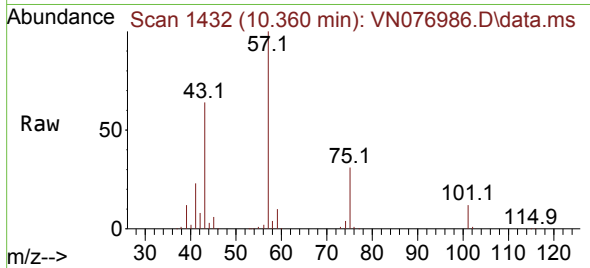




#54
 cis-1,3-Dichloropropene
 Concen: 11.658 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076986.D
 Acq: 14 Mar 2023 16:45

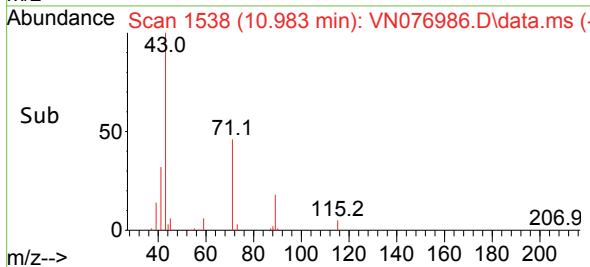
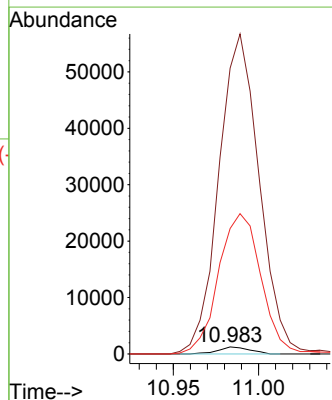
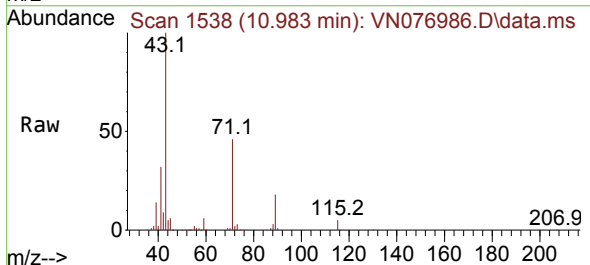
Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#05

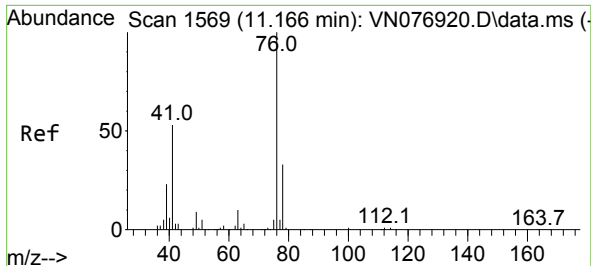
Tgt Ion: 75 Resp: 65252
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 36.8 29.7 44.5



#56
 Ethyl methacrylate
 Concen: 0.314 ug/l
 RT: 10.983 min Scan# 1538
 Delta R.T. 0.105 min
 Lab File: VN076986.D
 Acq: 14 Mar 2023 16:45

Tgt Ion: 69 Resp: 1598
 Ion Ratio Lower Upper
 69 100
 41 5891.1 38.0 57.0#
 39 2699.1 22.4 33.6#





#57

1,3-Dichloropropane

Concen: 1.400 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN076986.D

Acq: 14 Mar 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

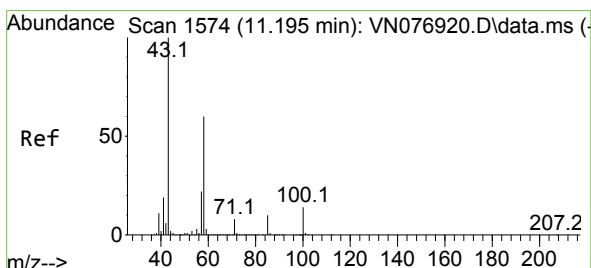
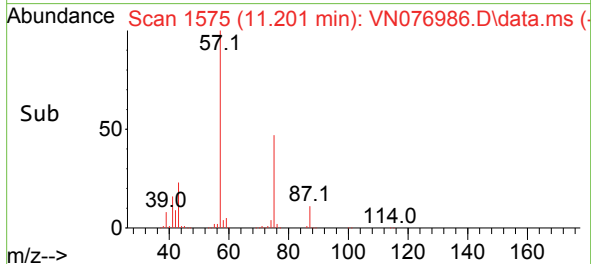
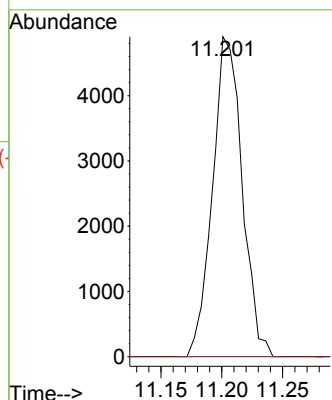
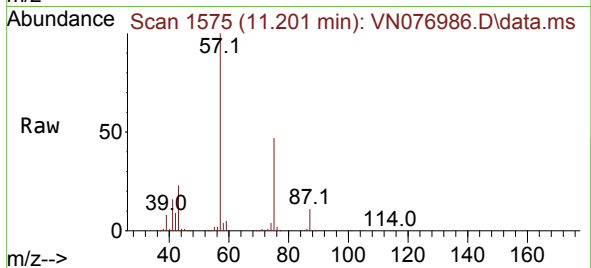
PB151382ZHE#05

Tgt Ion: 76 Resp: 8288

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 35.856 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.006 min

Lab File: VN076986.D

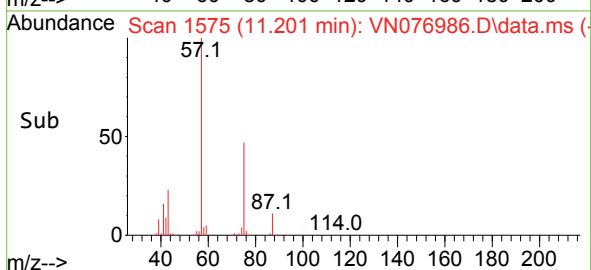
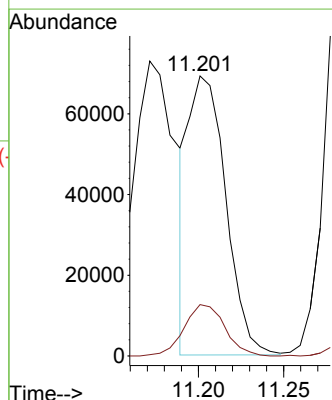
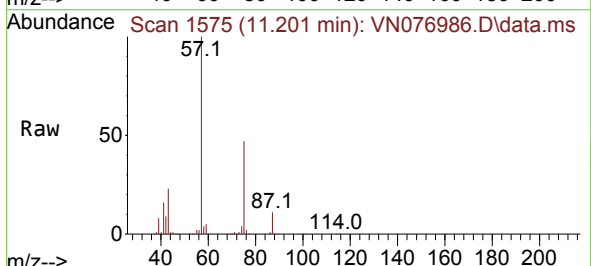
Acq: 14 Mar 2023 16:45

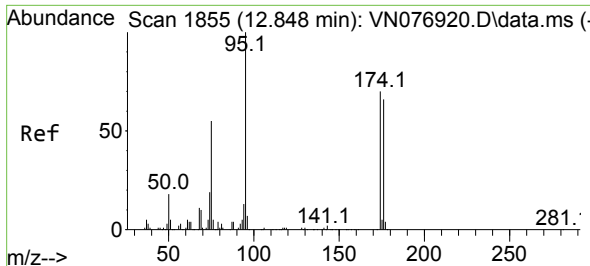
Tgt Ion: 43 Resp: 105479

Ion Ratio Lower Upper

43 100

58 20.1 32.6 98.0#

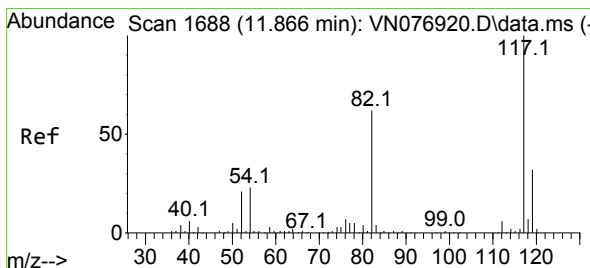
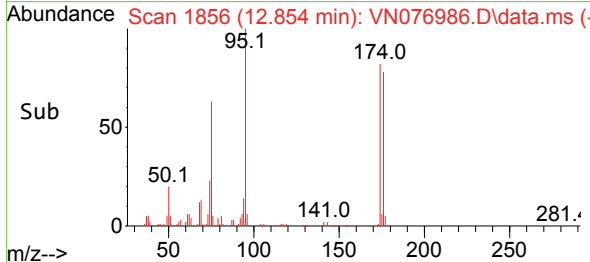
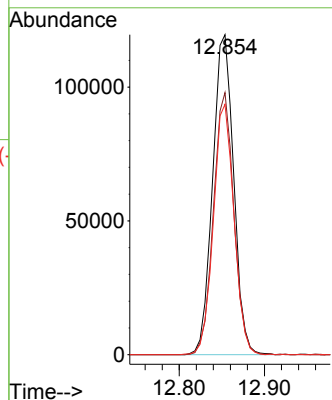
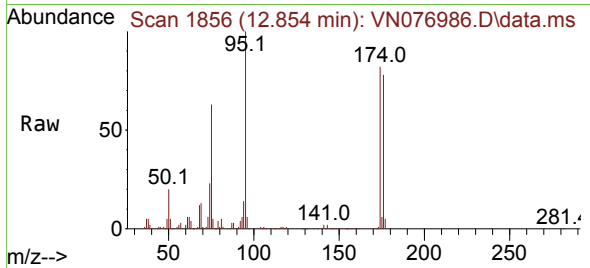




#62
4-Bromofluorobenzene
Concen: 49.375 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

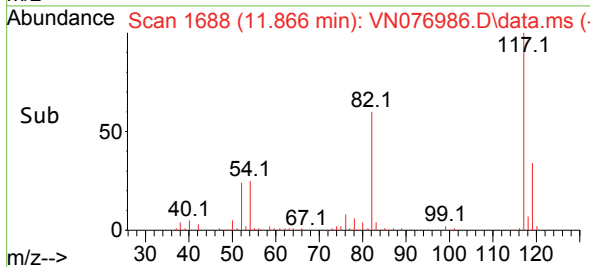
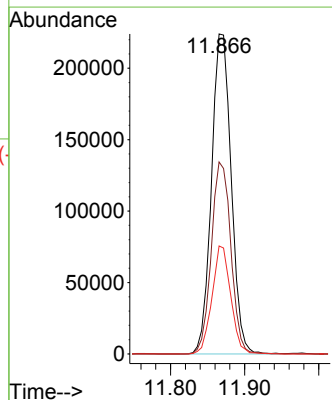
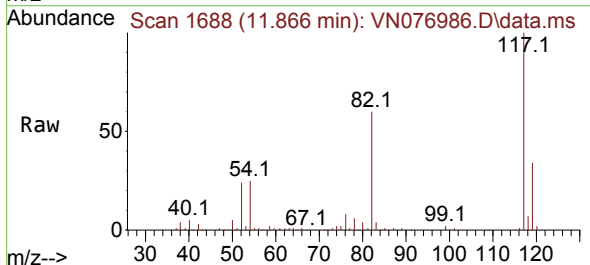
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#05

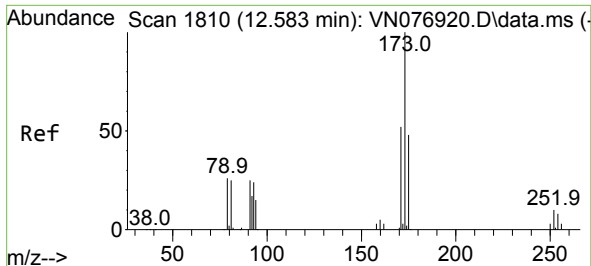
Tgt Ion: 95 Resp: 204740
Ion Ratio Lower Upper
95 100
174 79.8 0.0 162.4
176 76.6 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Tgt Ion: 117 Resp: 413832
Ion Ratio Lower Upper
117 100
82 60.0 43.5 65.3
119 33.8 25.5 38.3

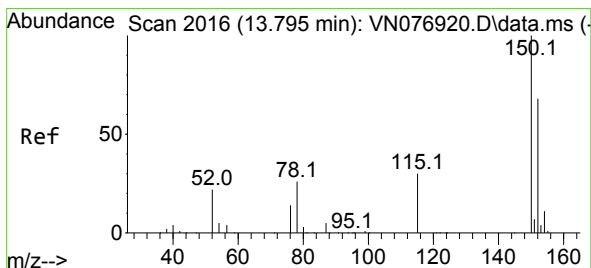
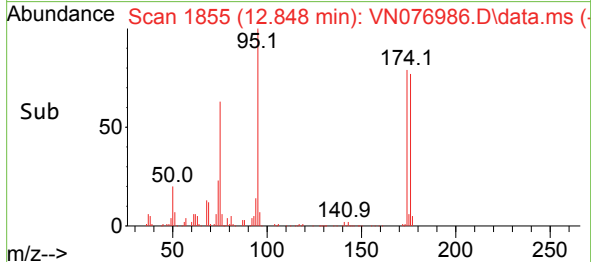
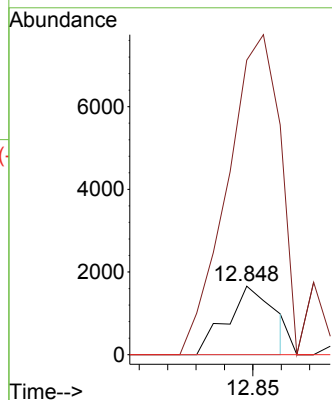
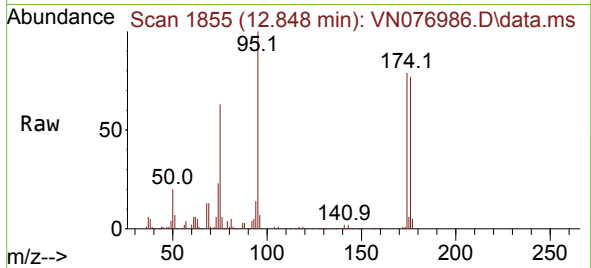




#71
Bromoform
Concen: 0.734 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

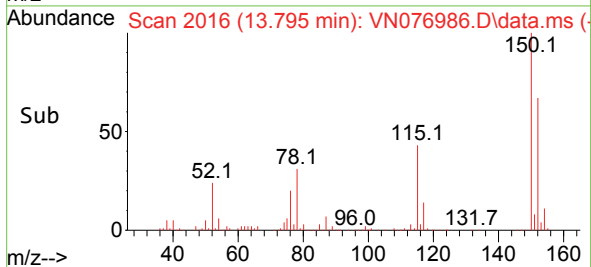
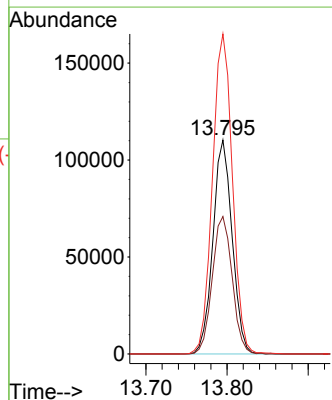
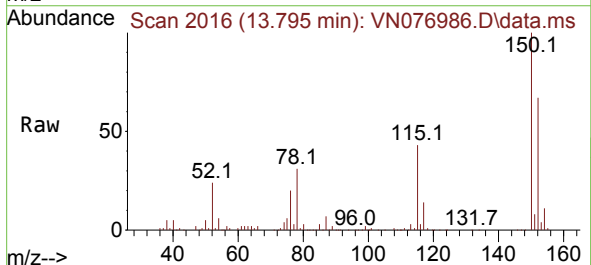
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#05

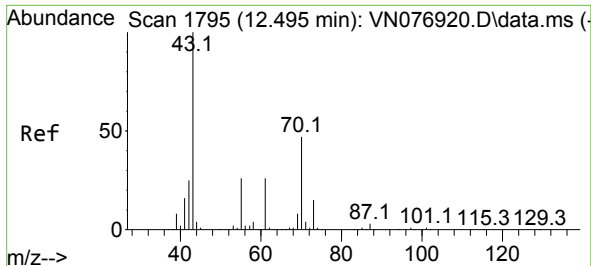
Tgt Ion:173 Resp: 1923
Ion Ratio Lower Upper
173 100
175 519.8 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Tgt Ion:152 Resp: 181846
Ion Ratio Lower Upper
152 100
115 66.3 30.3 90.9
150 154.8 0.0 353.6

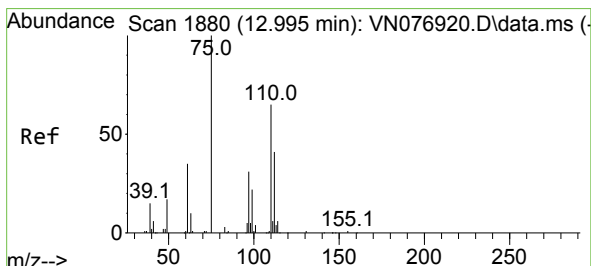
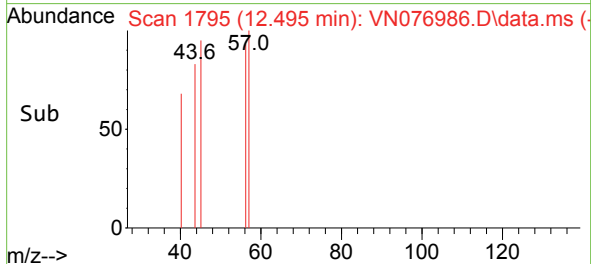
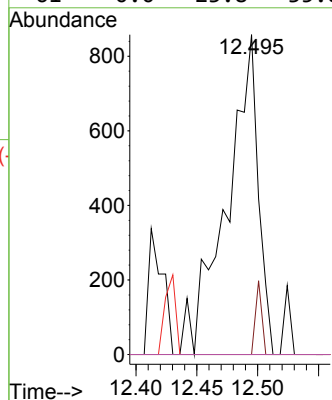
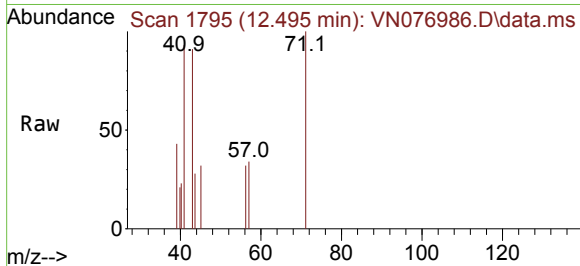




#74
N-amy1 acetate
Concen: 0.290 ug/l
RT: 12.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

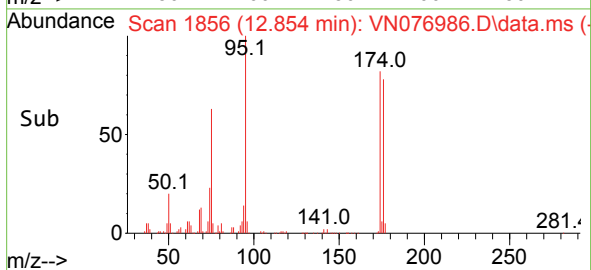
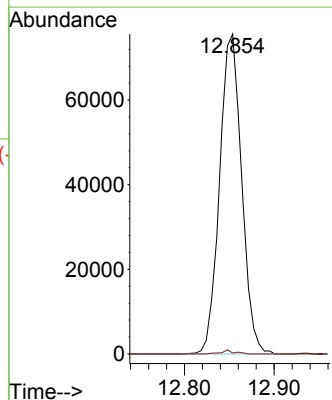
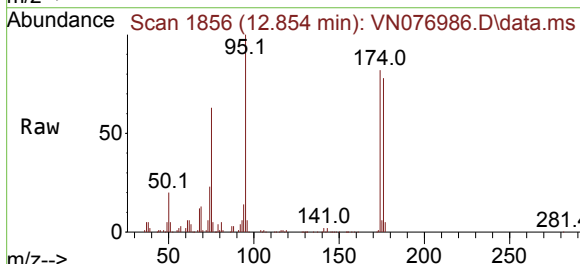
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#05

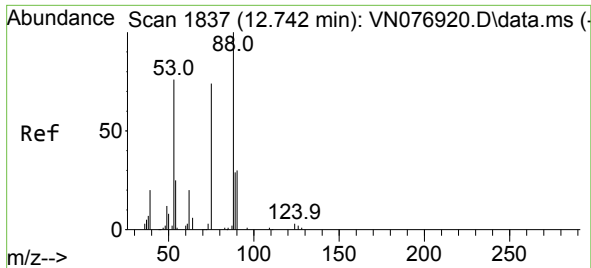
Tgt Ion: 43	Resp: 1556
Ion Ratio	Lower Upper
43 100	
70 4.5	46.8 70.2#
55 0.0	23.4 35.2#
61 0.0	23.8 35.8#



#76
1,2,3-Trichloropropane
Concen: 29.255 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076986.D
Acq: 14 Mar 2023 16:45

Tgt Ion: 75	Resp: 128976
Ion Ratio	Lower Upper
75 100	
77 0.7	93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.560 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN076986.D
 Acq: 14 Mar 2023 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#05

Tgt Ion: 75 Resp: 128976
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

