

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076982.D
 Acq On : 14 Mar 2023 15:08
 Operator : JC\MD
 Sample : PB151382ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#01

Quant Time: Mar 15 04:23:47 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)

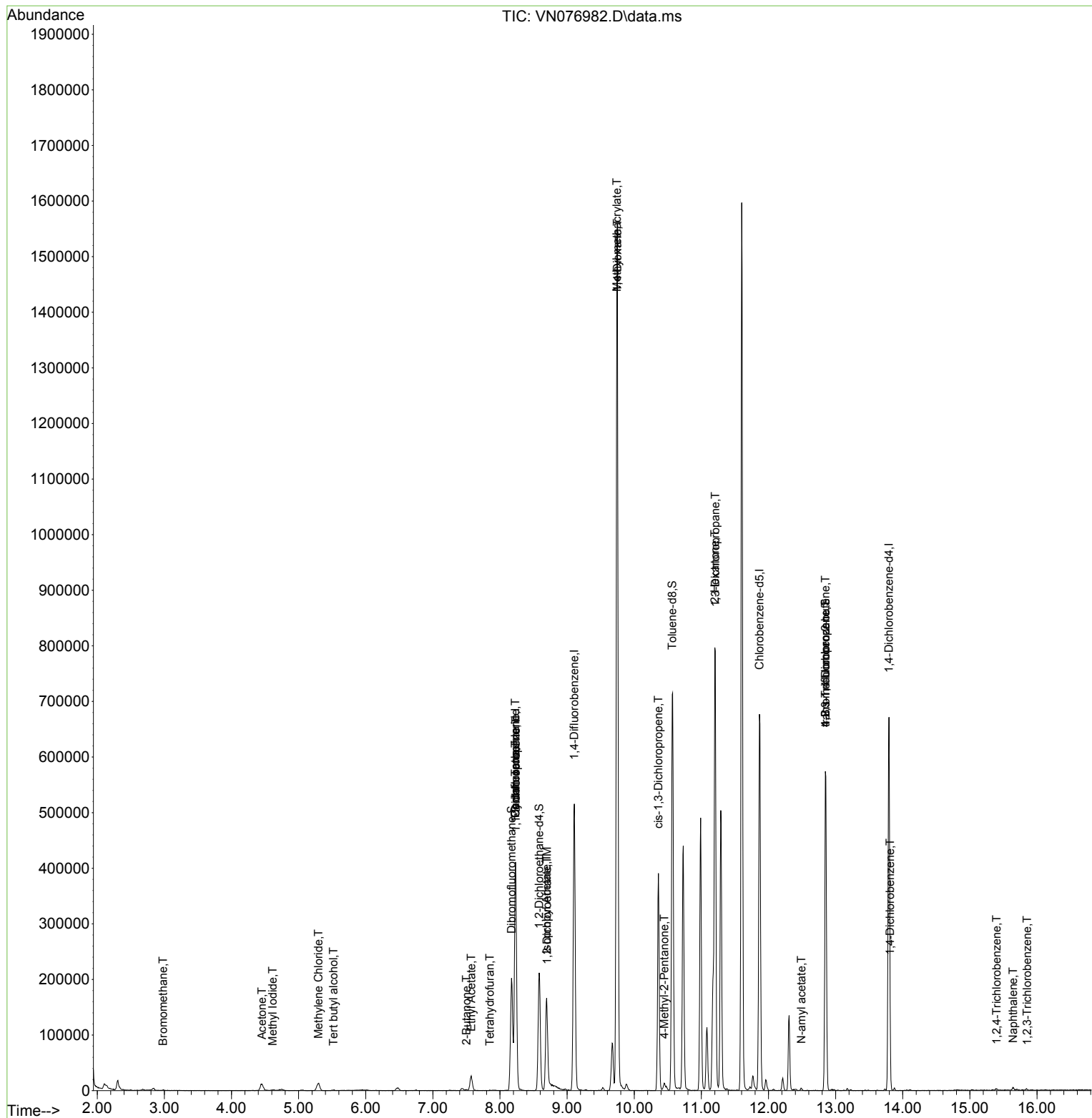
Internal Standards						
1) Pentafluorobenzene	8.231	168	282404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	422501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	385077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	175078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	208169	49.397	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.800%		
35) Dibromofluoromethane	8.172	113	136641	48.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.060%		
50) Toluene-d8	10.566	98	497542	47.943	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.880%		
62) 4-Bromofluorobenzene	12.848	95	195239	51.435	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.880%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.978	94	750	0.399	ug/l #	69
10) Methyl Iodide	4.613	142	1084	0.306	ug/l #	62
11) Tert butyl alcohol	5.519	59	206	0.351	ug/l #	72
16) Acetone	4.454	43	24013	16.444	ug/l #	86
20) Methylene Chloride	5.296	84	10798	2.876	ug/l #	95
25) 2-Butanone	7.501	43	2441	1.175	ug/l #	60
29) Tetrahydrofuran	7.848	42	272	0.211	ug/l #	40
31) Cyclohexane	8.231	56	6102	1.009	ug/l #	20
36) 1,1-Dichloropropene	8.237	75	23549	5.407	ug/l #	52
37) Ethyl Acetate	7.572	43	38422	11.032	ug/l #	96
38) Carbon Tetrachloride	8.231	117	34649	6.798	ug/l #	16
42) 1,2-Dichloroethane	8.701	62	1195	0.239	ug/l #	71
43) Isopropyl Acetate	8.695	43	194791	31.684	ug/l #	79
48) Methyl methacrylate	9.742	41	161405	53.582	ug/l #	30
49) 1,4-Dioxane	9.748	88	374	6.557	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	6340	1.717	ug/l #	96
54) cis-1,3-Dichloropropene	10.360	75	70761	13.811	ug/l #	73
57) 1,3-Dichloropropane	11.207	76	9163	1.690	ug/l #	42
59) 2-Hexanone	11.201	43	108612	40.334	ug/l #	44
74) N-amyl acetate	12.489	43	1711	0.331	ug/l #	36
76) 1,2,3-Trichloropropane	12.848	75	115334	27.172	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	115334	88.756	ug/l #	15
88) 1,4-Dichlorobenzene	13.813	146	1509	0.237	ug/l #	64
93) 1,2,4-Trichlorobenzene	15.401	180	1276	0.360	ug/l #	84
95) Naphthalene	15.642	128	4739	0.448	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.854	180	1276	0.370	ug/l #	84

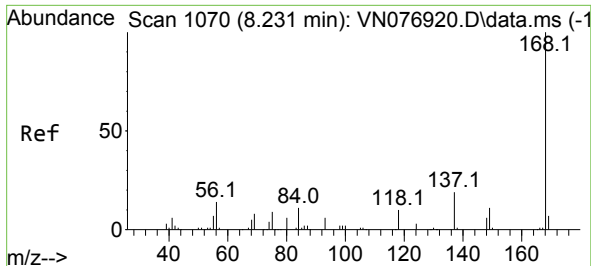
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
Data File : VN076982.D
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Sample : PB151382ZHE#01
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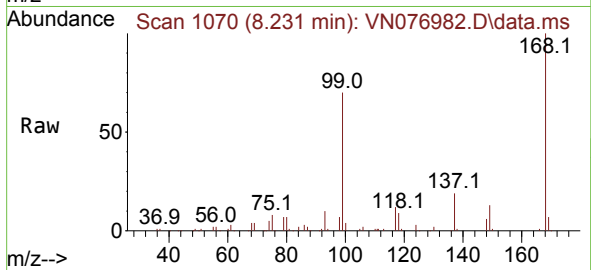
Quant Time: Mar 15 04:23:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
Response via : Initial Calibration



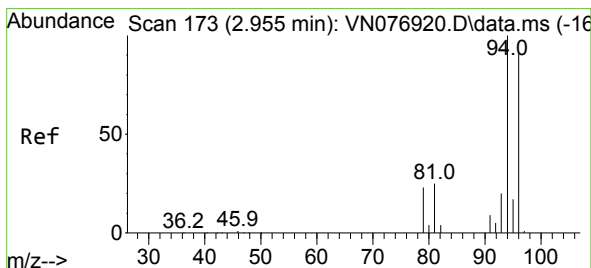
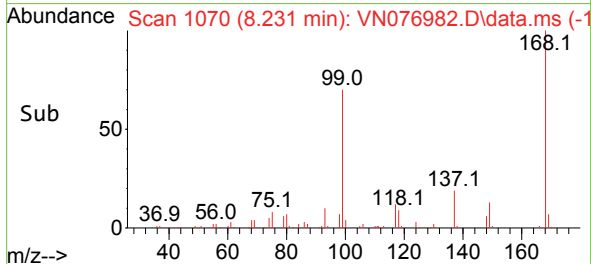
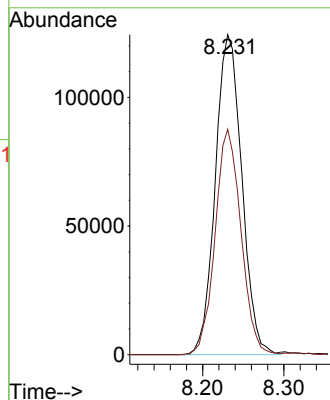


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#01

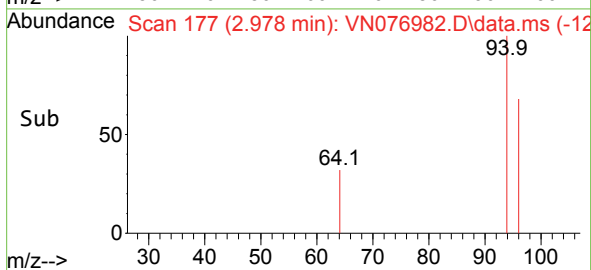
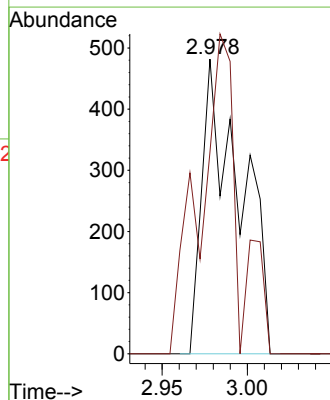
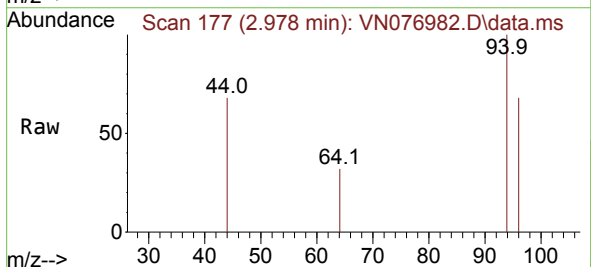


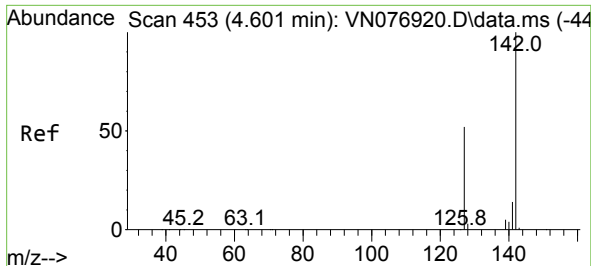
Tgt Ion:168 Resp: 282404
Ion Ratio Lower Upper
168 100
99 70.4 48.6 73.0



#5
Bromomethane
Concen: 0.399 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 94 Resp: 750
Ion Ratio Lower Upper
94 100
96 68.5 79.0 118.6#

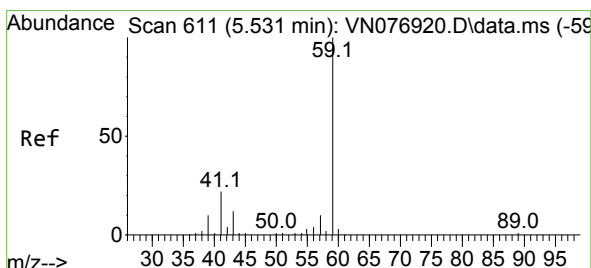
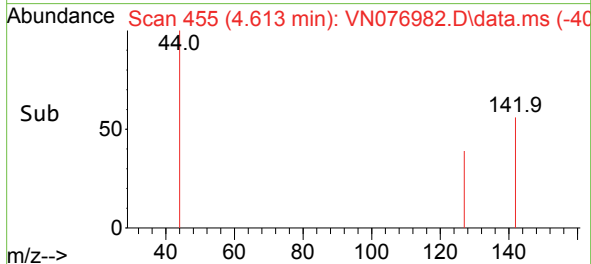
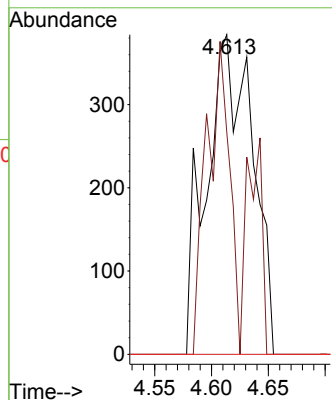
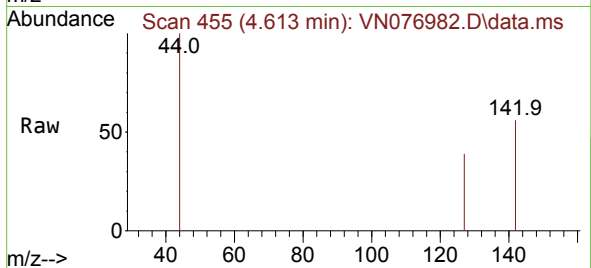




#10
Methyl Iodide
Concen: 0.306 ug/l
RT: 4.613 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

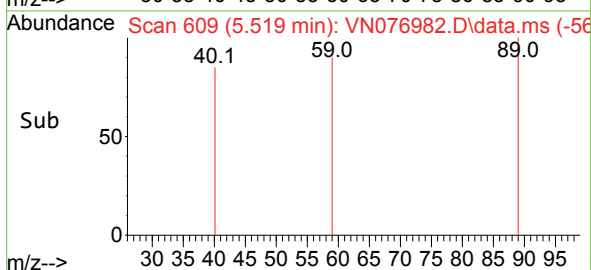
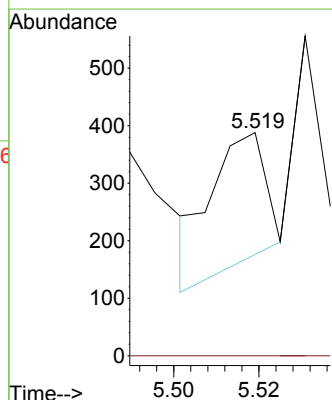
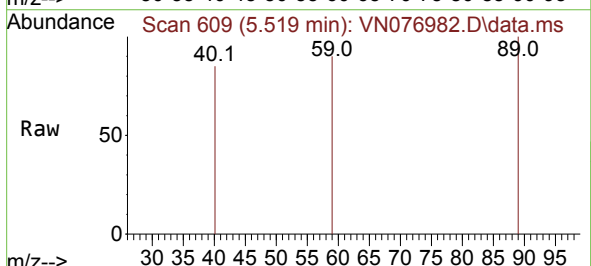
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#01

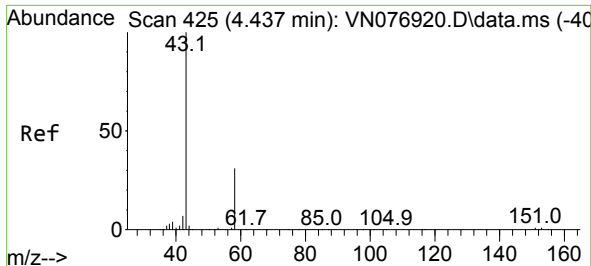
Tgt Ion:142 Resp: 1084
Ion Ratio Lower Upper
142 100
127 69.5 35.2 52.8#
141 0.0 10.2 15.2#



#11
Tert butyl alcohol
Concen: 0.351 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 59 Resp: 206
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

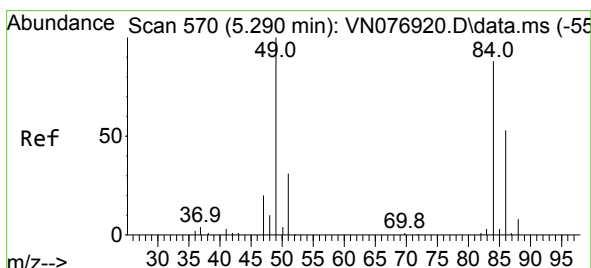
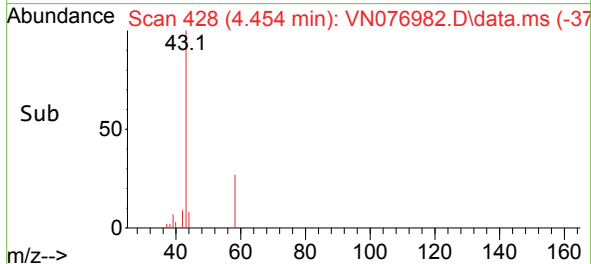
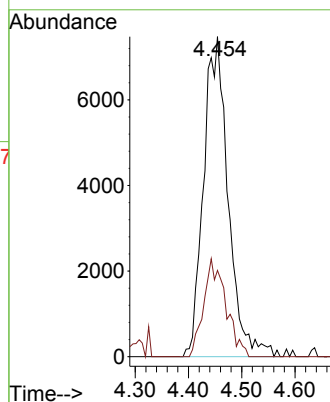
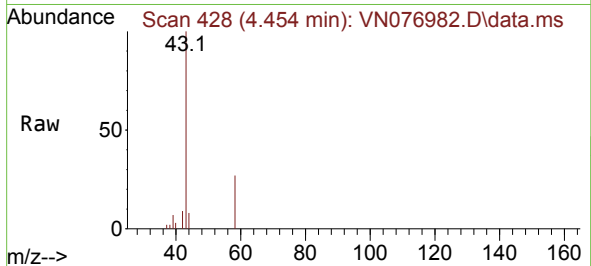




#16
Acetone
Concen: 16.444 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

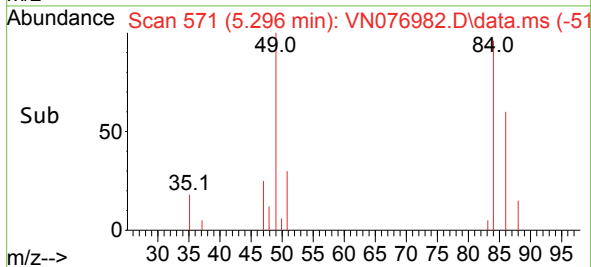
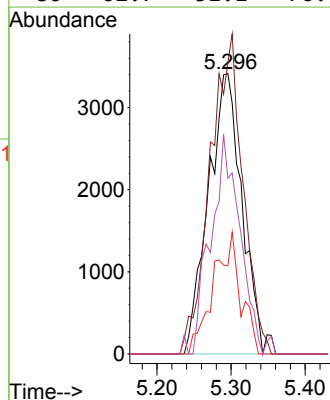
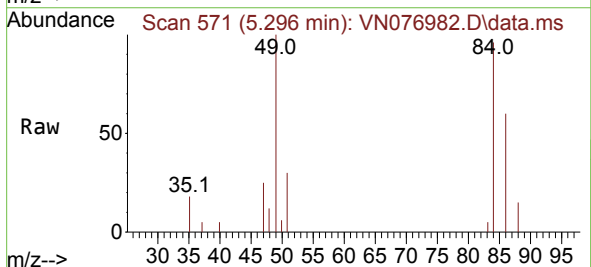
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#01

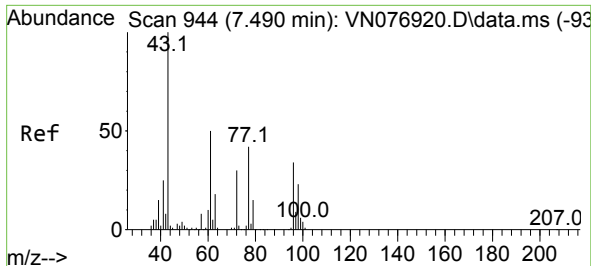
Tgt Ion: 43 Resp: 24013
Ion Ratio Lower Upper
43 100
58 27.0 28.2 42.2#



#20
Methylene Chloride
Concen: 2.876 ug/l
RT: 5.296 min Scan# 571
Delta R.T. 0.006 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 84 Resp: 10798
Ion Ratio Lower Upper
84 100
49 103.9 76.6 114.8
51 31.5 25.4 38.2
86 62.7 51.1 76.7

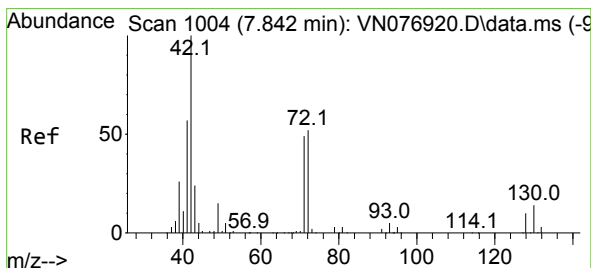
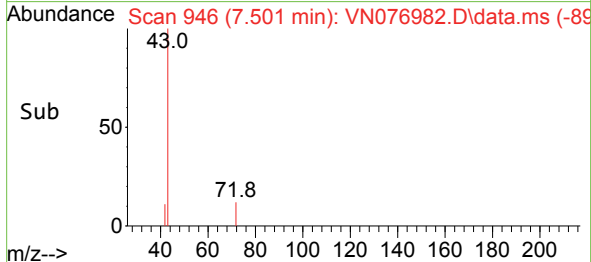
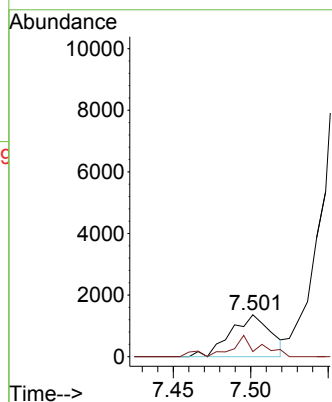
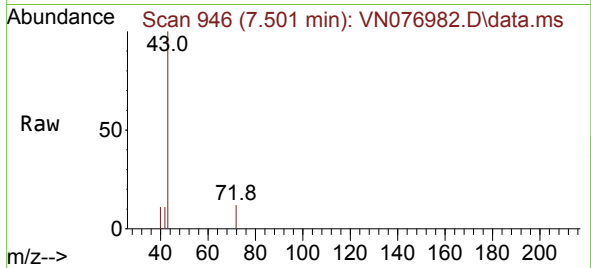




#25
2-Butanone
Concen: 1.175 ug/l
RT: 7.501 min Scan# 94
Delta R.T. 0.011 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

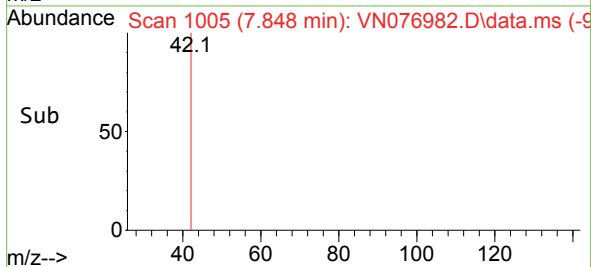
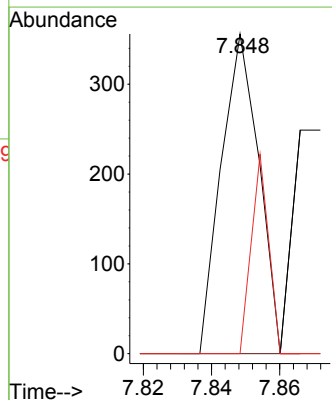
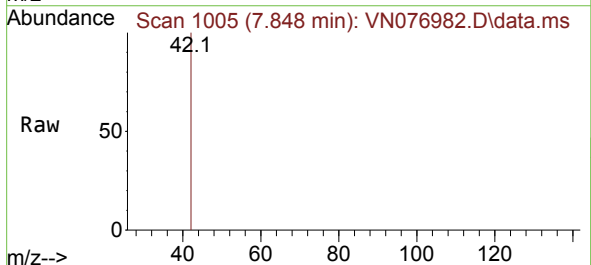
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ClientSampleId :
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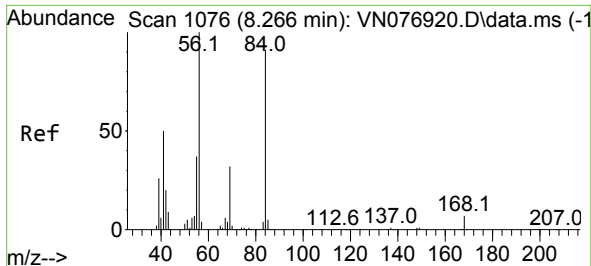
Tgt Ion: 43 Resp: 2441
Ion Ratio Lower Upper
43 100
72 12.2 28.8 43.2#



#29
Tetrahydrofuran
Concen: 0.211 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 42 Resp: 272
Ion Ratio Lower Upper
42 100
72 0.0 48.6 73.0#
71 28.7 45.1 67.7#

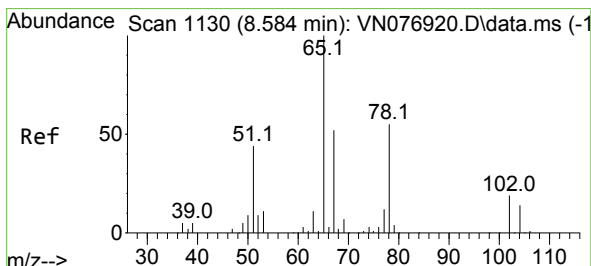
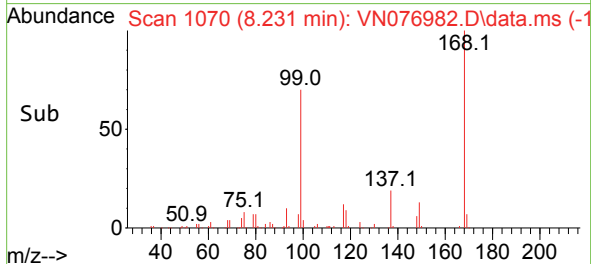
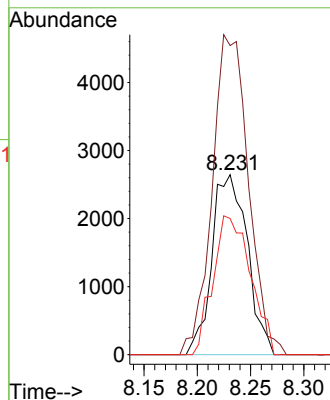
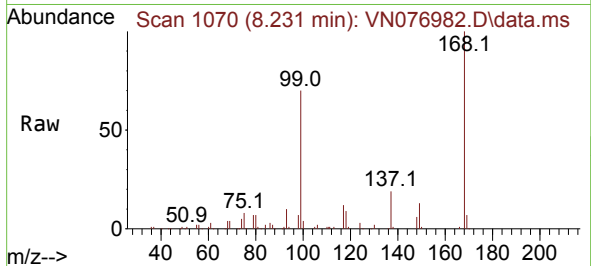




#31
Cyclohexane
Concen: 1.009 ug/l
RT: 8.231 min Scan# 1076
Delta R.T. -0.035 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

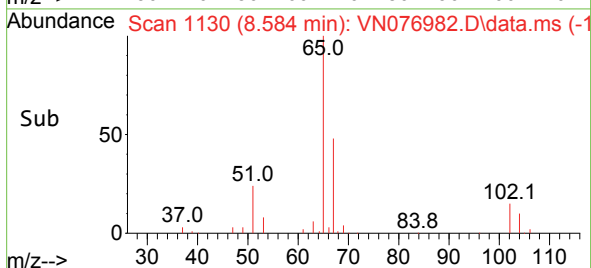
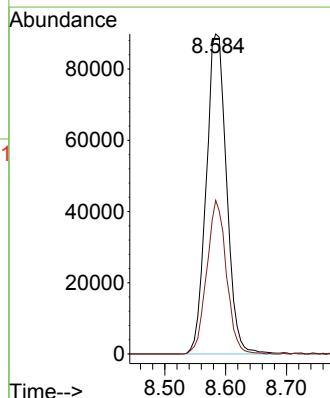
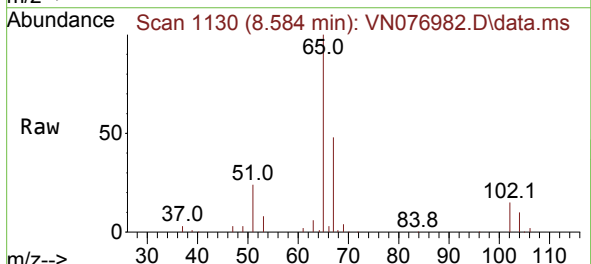
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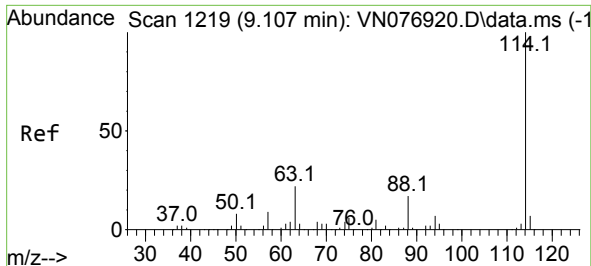
Tgt Ion: 56 Resp: 6102
Ion Ratio Lower Upper
56 100
69 171.8 27.0 40.6#
84 75.7 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 49.397 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 65 Resp: 208169
Ion Ratio Lower Upper
65 100
67 46.4 0.0 107.2

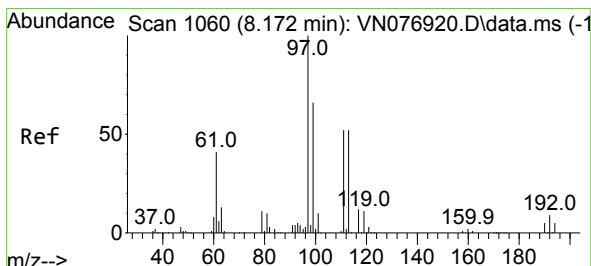
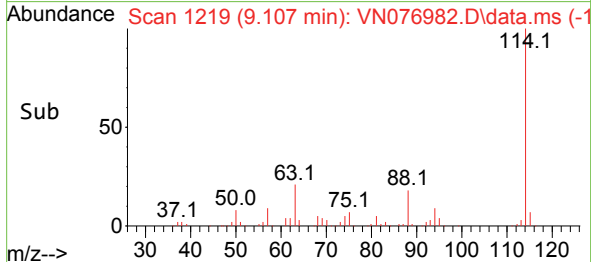
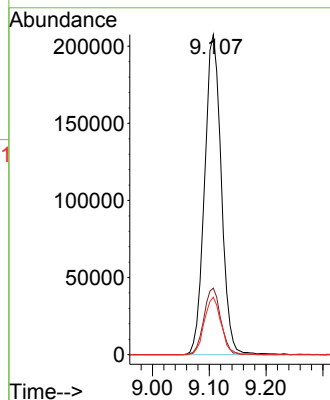
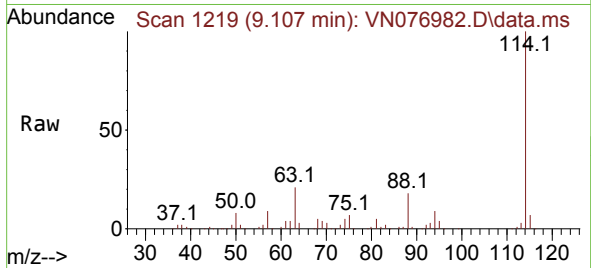




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

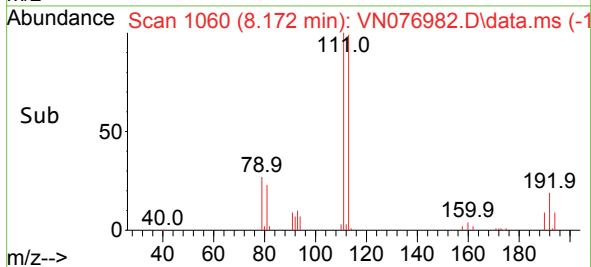
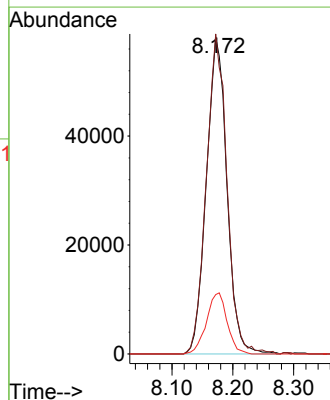
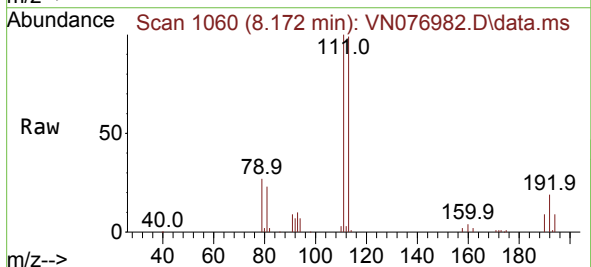
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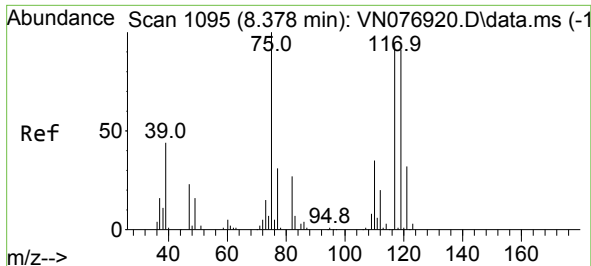
Tgt Ion:114 Resp: 422501
Ion Ratio Lower Upper
114 100
63 20.8 0.0 36.6
88 17.9 0.0 28.6



#35
Dibromofluoromethane
Concen: 48.526 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion:113 Resp: 136641
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.8
192 19.3 13.9 20.9





#36

1,1-Dichloropropene

Concen: 5.407 ug/l

RT: 8.237 min Scan# 1095

Delta R.T. -0.141 min

Lab File: VN076982.D

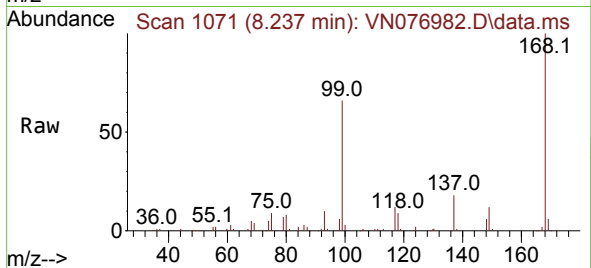
Acq: 14 Mar 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#01



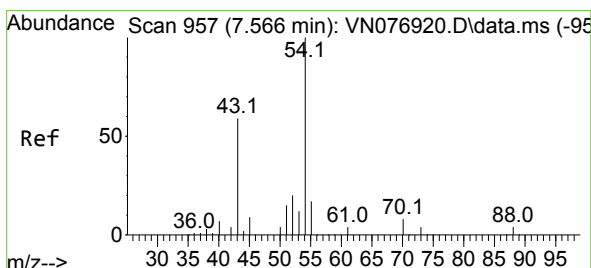
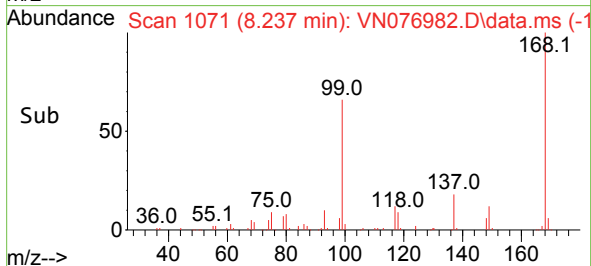
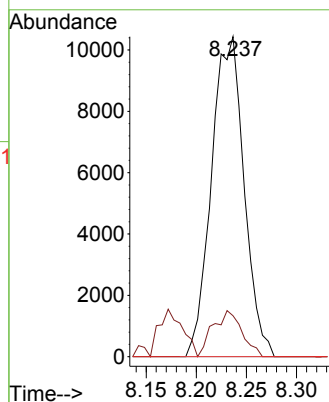
Tgt Ion: 75 Resp: 23549

Ion Ratio Lower Upper

75 100

110 12.8 18.9 56.9#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 11.032 ug/l

RT: 7.572 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN076982.D

Acq: 14 Mar 2023 15:08

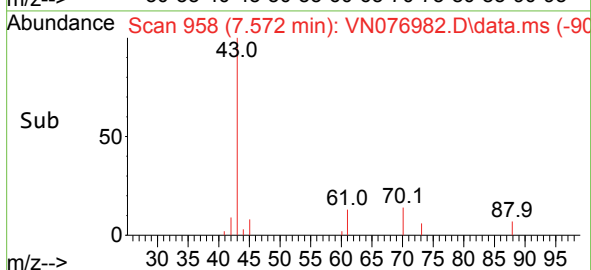
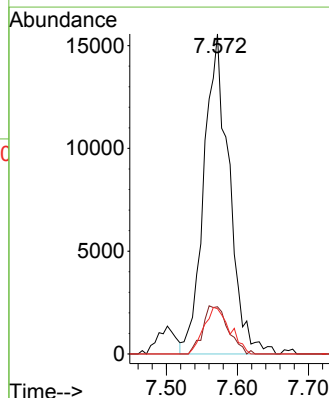
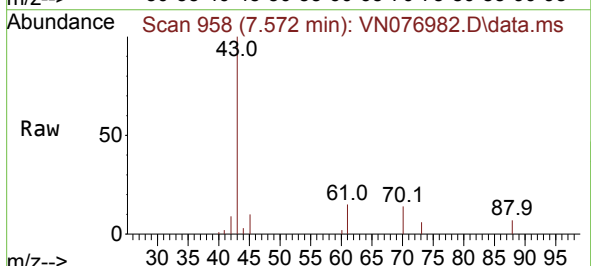
Tgt Ion: 43 Resp: 38422

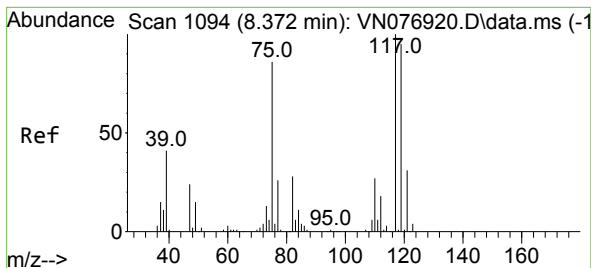
Ion Ratio Lower Upper

43 100

61 15.1 13.5 20.3

70 15.0 11.0 16.6





#38

Carbon Tetrachloride

Concen: 6.798 ug/l

RT: 8.231 min Scan# 110

Delta R.T. -0.141 min

Lab File: VN076982.D

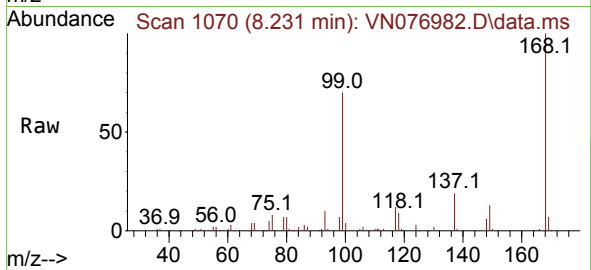
Acq: 14 Mar 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#01



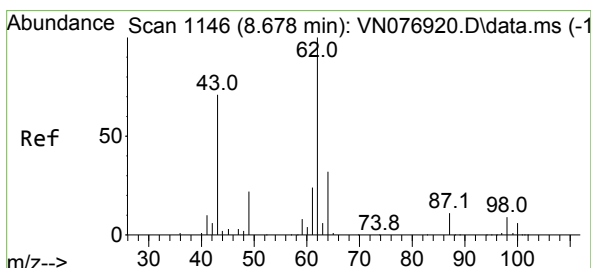
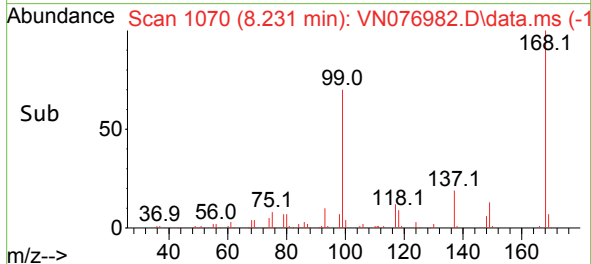
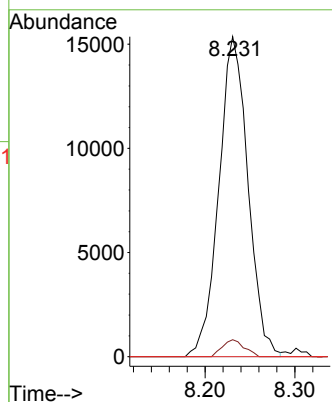
Tgt Ion:117 Resp: 34649

Ion Ratio Lower Upper

117 100

119 5.3 76.9 115.3#

121 0.0 23.2 34.8#



#42

1,2-Dichloroethane

Concen: 0.239 ug/l

RT: 8.701 min Scan# 1150

Delta R.T. 0.023 min

Lab File: VN076982.D

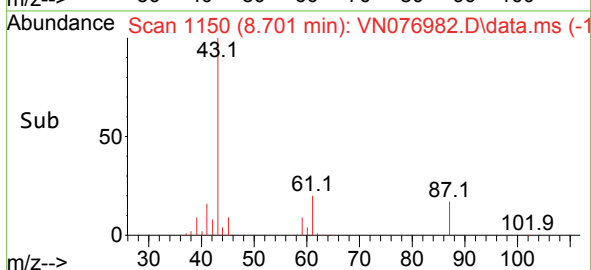
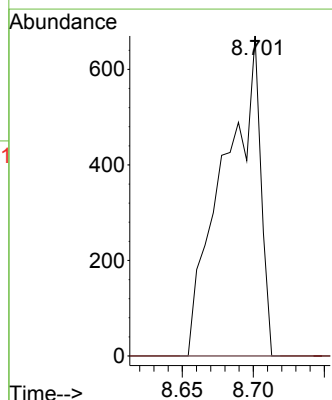
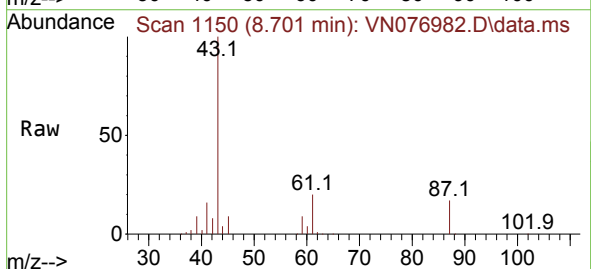
Acq: 14 Mar 2023 15:08

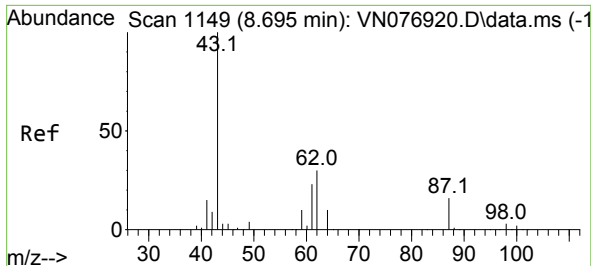
Tgt Ion: 62 Resp: 1195

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8

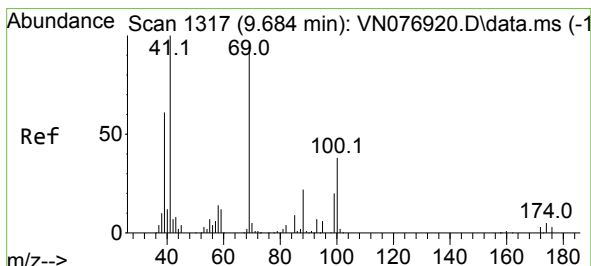
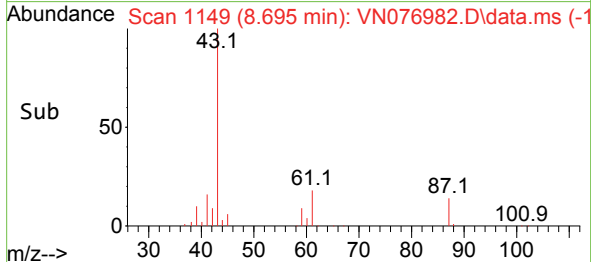
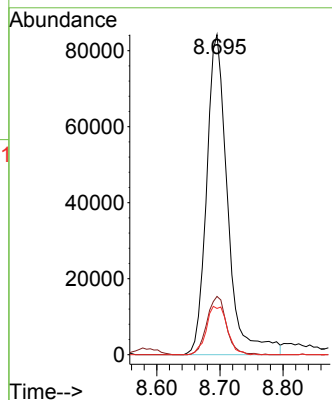
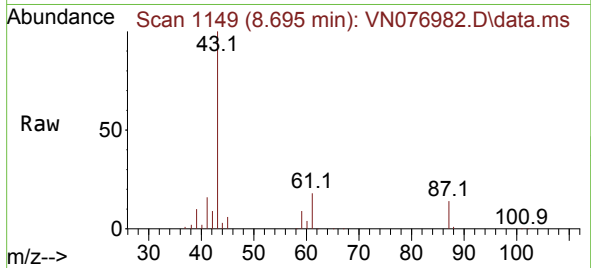




#43
Isopropyl Acetate
Concen: 31.684 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

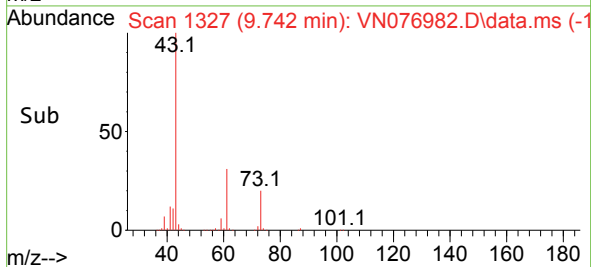
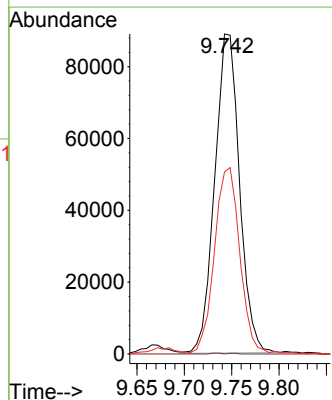
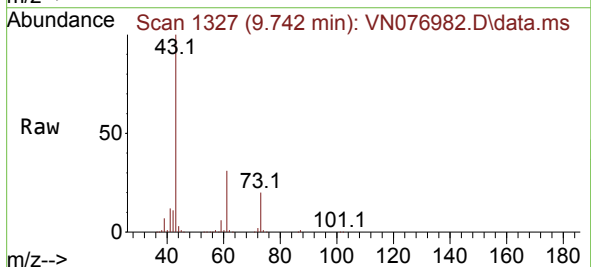
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#01

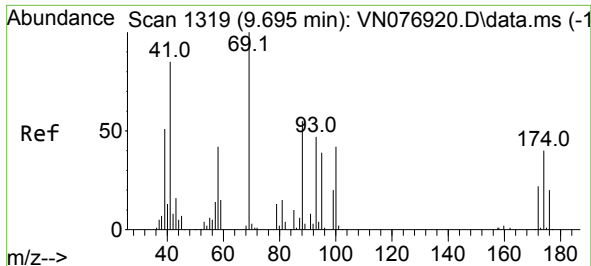
Tgt Ion: 43 Resp: 194791
Ion Ratio Lower Upper
43 100
61 16.9 26.2 39.2#
87 15.1 14.8 22.2



#48
Methyl methacrylate
Concen: 53.582 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.058 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 41 Resp: 161405
Ion Ratio Lower Upper
41 100
69 0.1 92.6 139.0#
39 60.3 51.4 77.0





#49

1,4-Dioxane

Concen: 6.557 ug/l

RT: 9.748 min Scan# 1319

Delta R.T. 0.053 min

Lab File: VN076982.D

Acq: 14 Mar 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#01

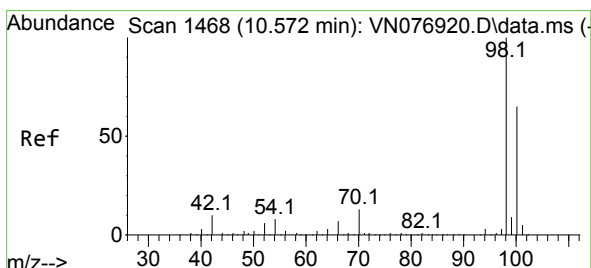
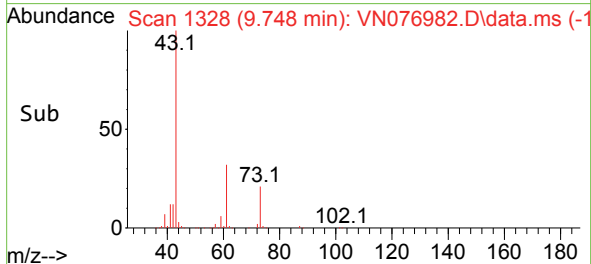
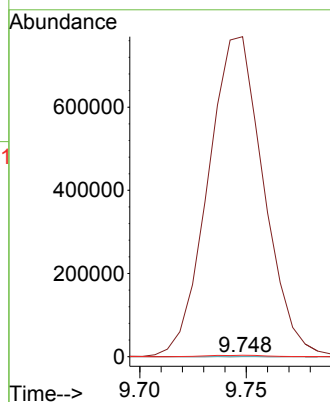
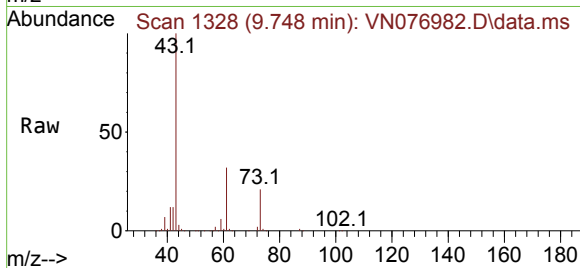
Tgt Ion: 88 Resp: 374

Ion Ratio Lower Upper

88 100

43 375620.3 15.3 22.9#

58 1756.7 47.6 71.4#



#50

Toluene-d8

Concen: 47.943 ug/l

RT: 10.566 min Scan# 1467

Delta R.T. -0.006 min

Lab File: VN076982.D

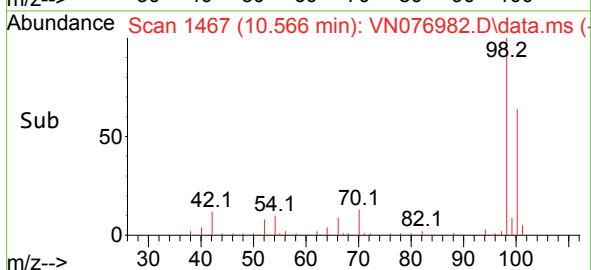
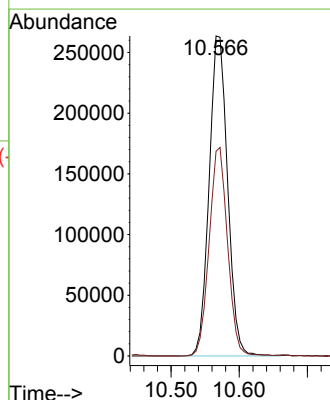
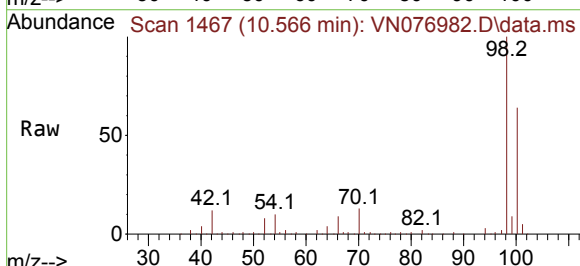
Acq: 14 Mar 2023 15:08

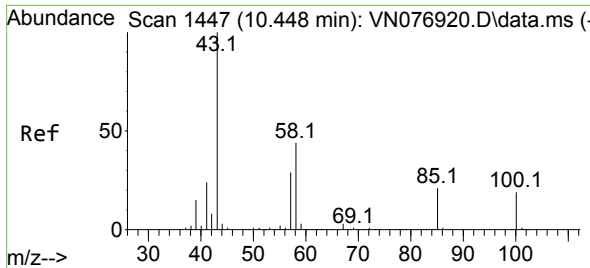
Tgt Ion: 98 Resp: 497542

Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2

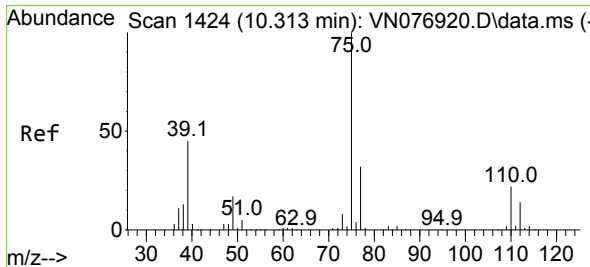
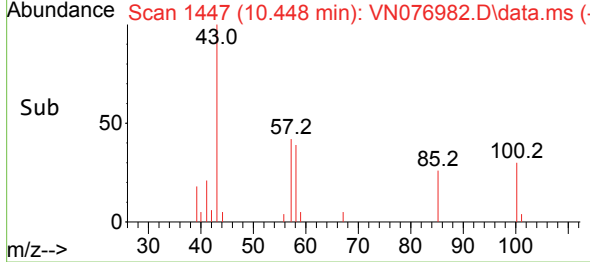
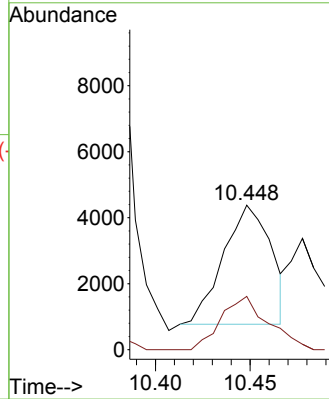
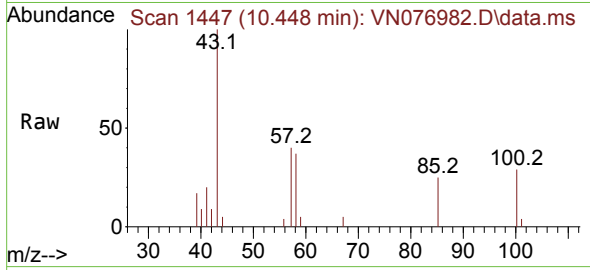




#51
4-Methyl-2-Pentanone
Concen: 1.717 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

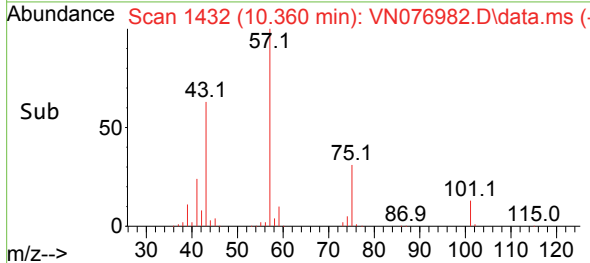
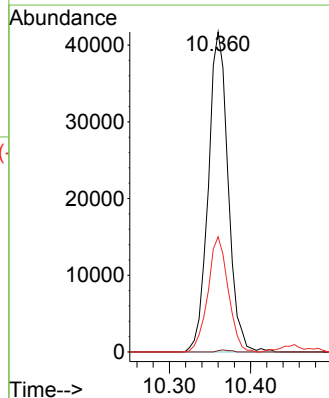
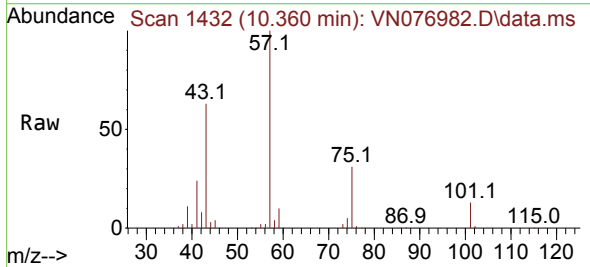
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#01

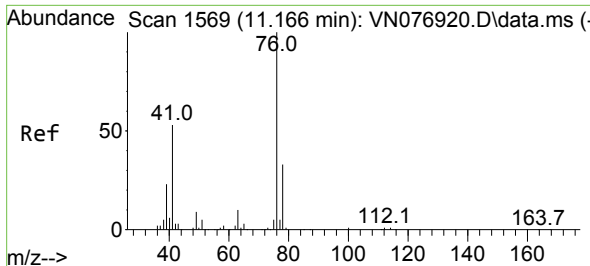
Tgt Ion: 43 Resp: 6340
Ion Ratio Lower Upper
43 100
58 44.2 37.4 56.0



#54
cis-1,3-Dichloropropene
Concen: 13.811 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 75 Resp: 70761
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 36.0 29.7 44.5





#57

1,3-Dichloropropane

Concen: 1.690 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN076982.D

Acq: 14 Mar 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

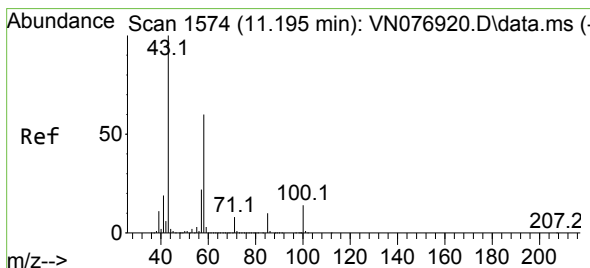
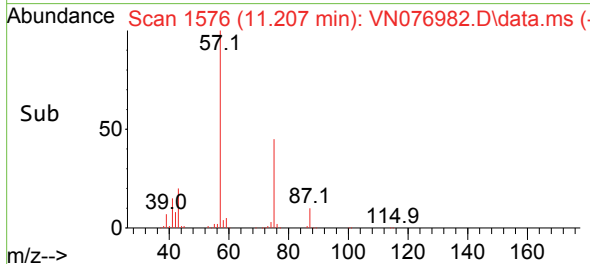
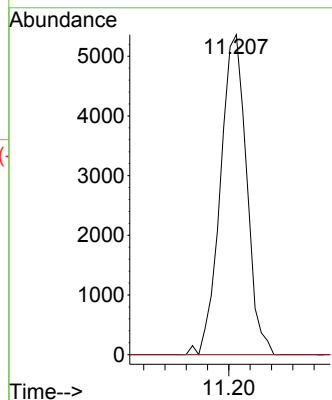
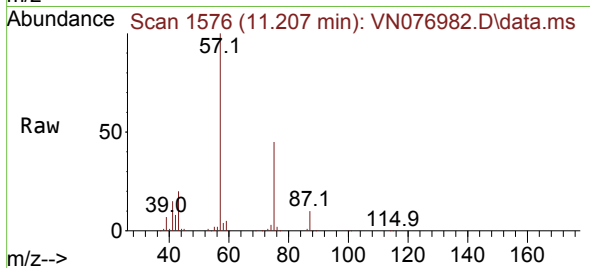
PB151382ZHE#01

Tgt Ion: 76 Resp: 9163

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 40.334 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.006 min

Lab File: VN076982.D

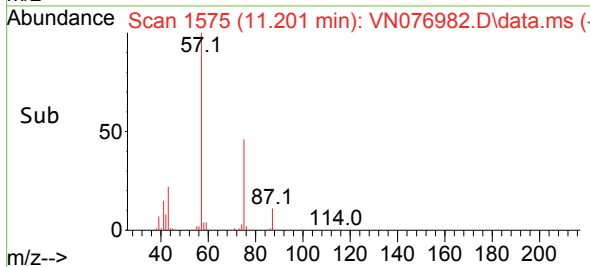
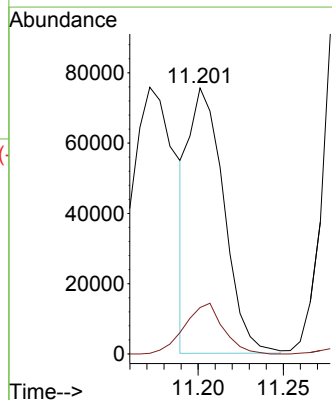
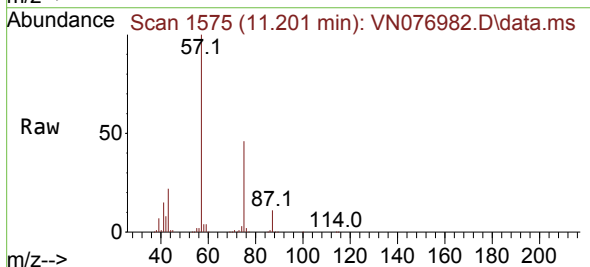
Acq: 14 Mar 2023 15:08

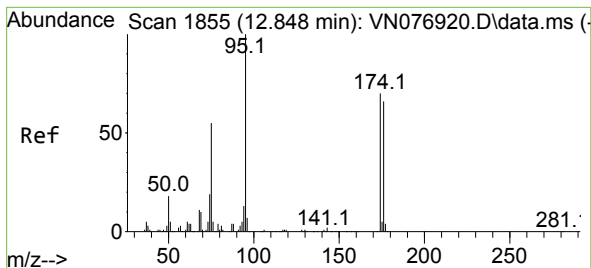
Tgt Ion: 43 Resp: 108612

Ion Ratio Lower Upper

43 100

58 21.0 32.6 98.0#

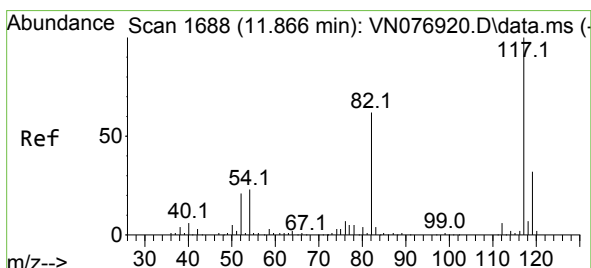
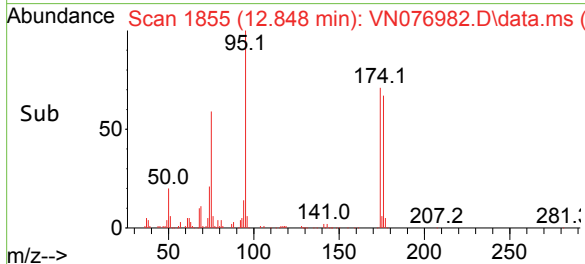
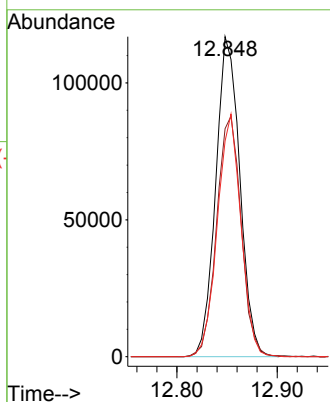
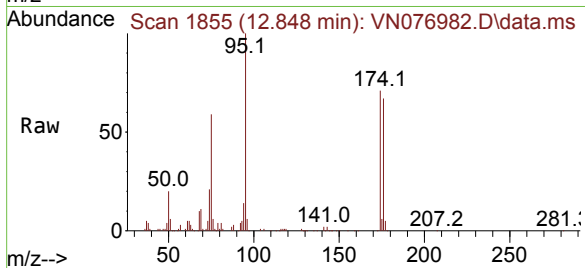




#62
4-Bromofluorobenzene
Concen: 51.435 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

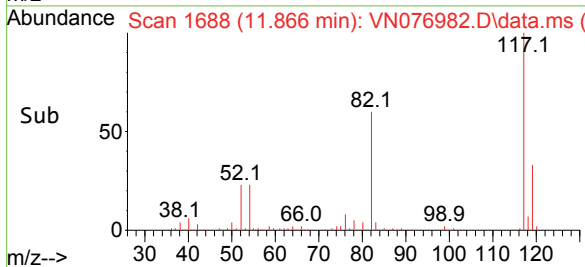
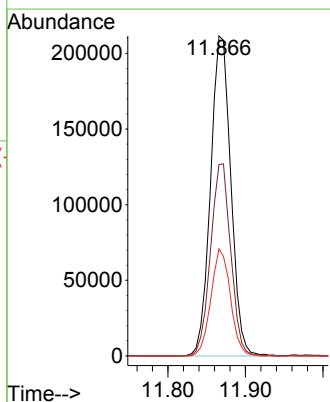
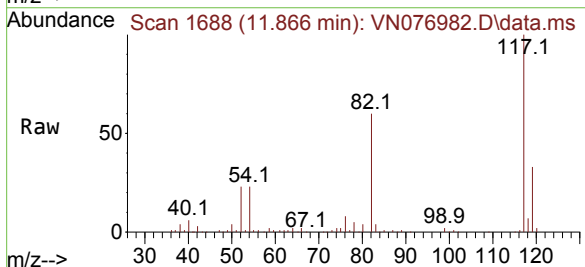
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#01

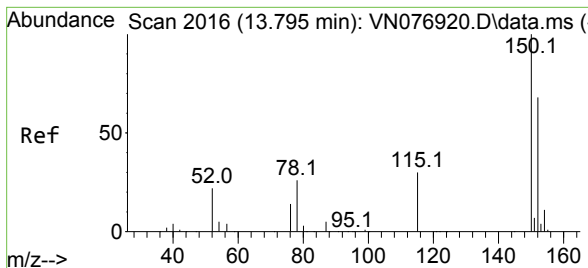
Tgt Ion: 95 Resp: 195239
Ion Ratio Lower Upper
95 100
174 76.5 0.0 162.4
176 74.2 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 117 Resp: 385077
Ion Ratio Lower Upper
117 100
82 59.8 43.5 65.3
119 33.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN076982.D

Acq: 14 Mar 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#01

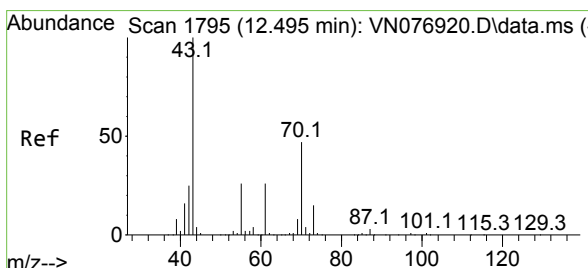
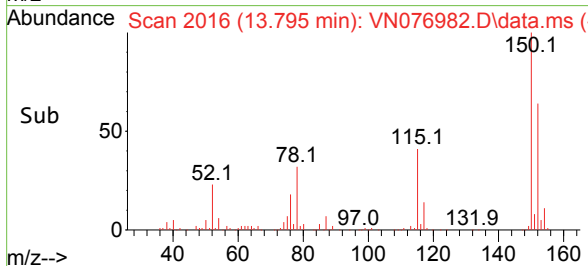
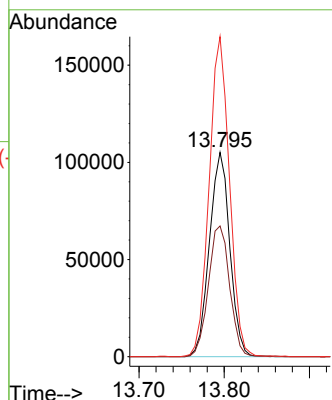
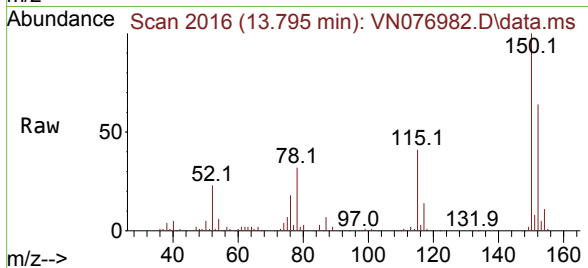
Tgt Ion:152 Resp: 175078

Ion Ratio Lower Upper

152 100

115 66.7 30.3 90.9

150 156.0 0.0 353.6



#74

N-ethyl acetate

Concen: 0.331 ug/l

RT: 12.489 min Scan# 1794

Delta R.T. -0.006 min

Lab File: VN076982.D

Acq: 14 Mar 2023 15:08

Tgt Ion: 43 Resp: 1711

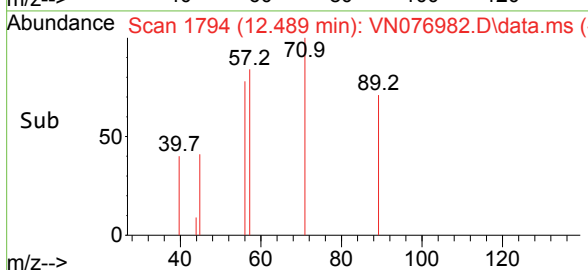
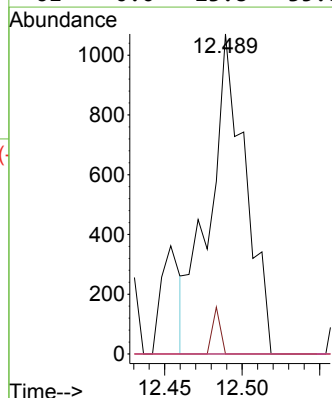
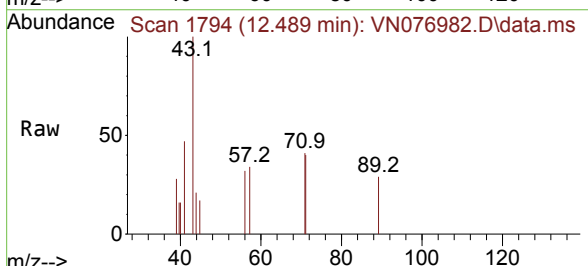
Ion Ratio Lower Upper

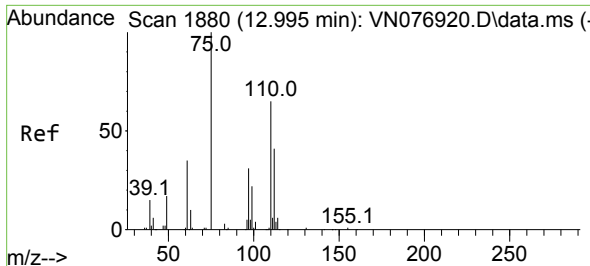
43 100

70 3.2 46.8 70.2#

55 0.0 23.4 35.2#

61 0.0 23.8 35.8#

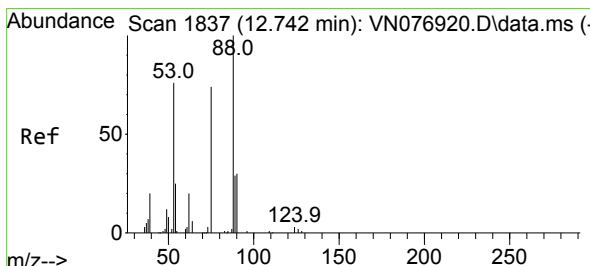
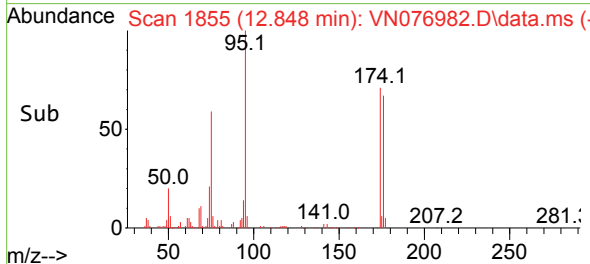
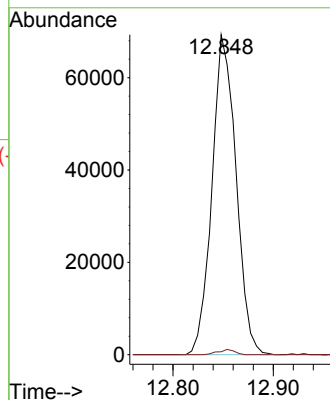
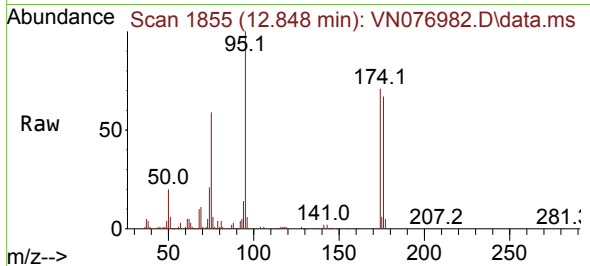




#76
1,2,3-Trichloropropane
Concen: 27.172 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

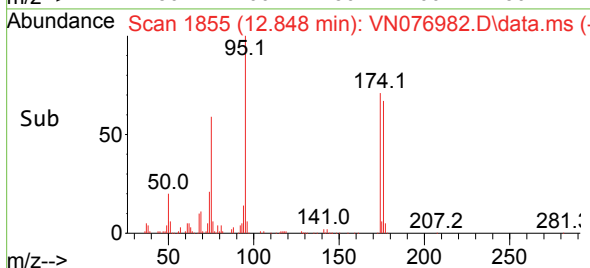
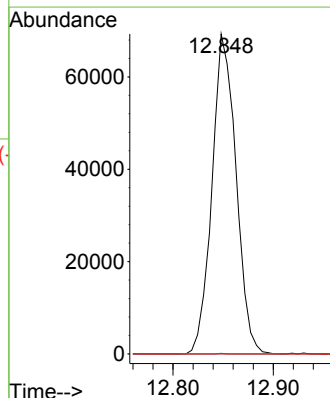
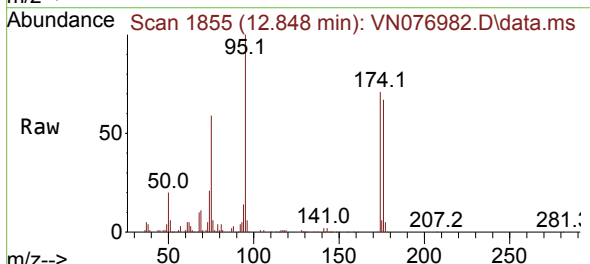
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#01

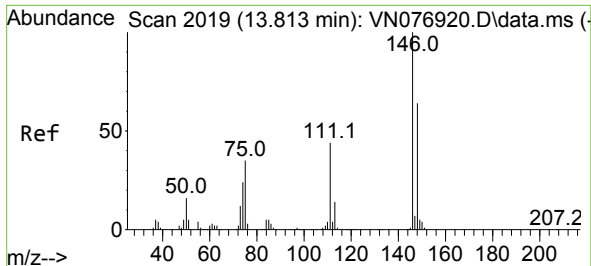
Tgt Ion: 75 Resp: 115334
Ion Ratio Lower Upper
75 100
77 1.1 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.756 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.106 min
Lab File: VN076982.D
Acq: 14 Mar 2023 15:08

Tgt Ion: 75 Resp: 115334
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.0 39.5 59.3#

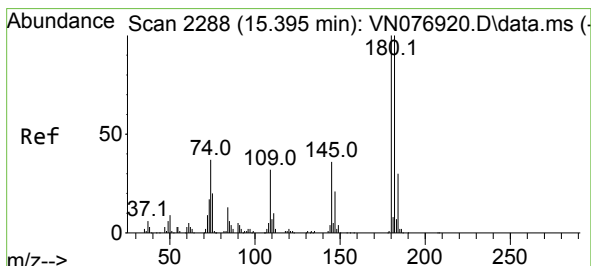
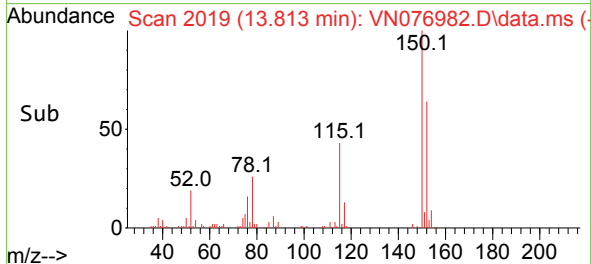
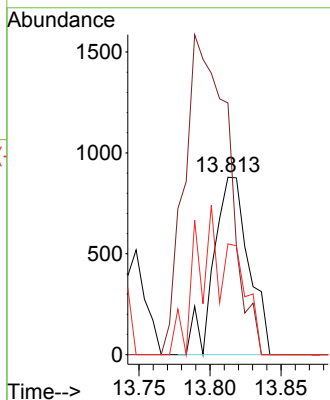
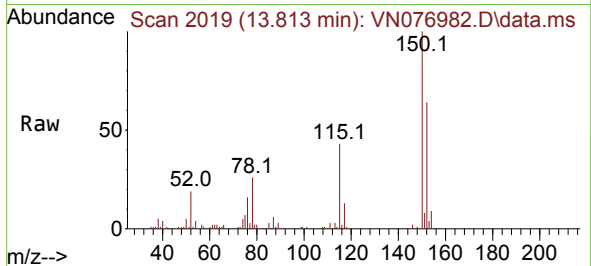




#88
 1,4-Dichlorobenzene
 Concen: 0.237 ug/l
 RT: 13.813 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VN076982.D
 Acq: 14 Mar 2023 15:08

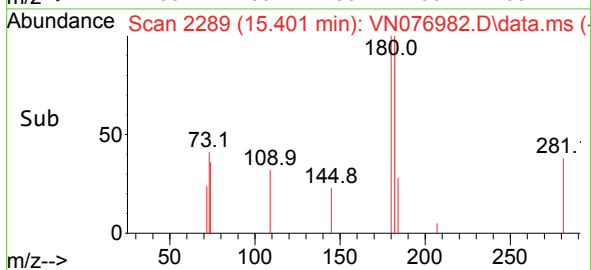
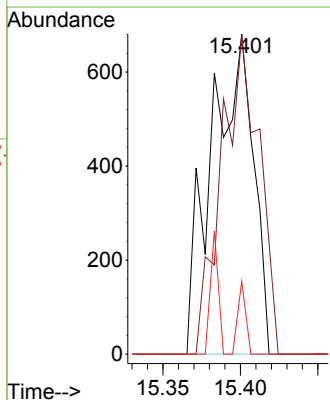
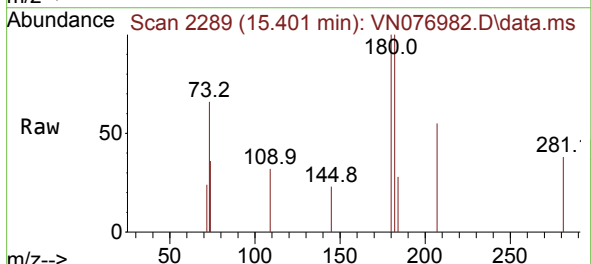
Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#01

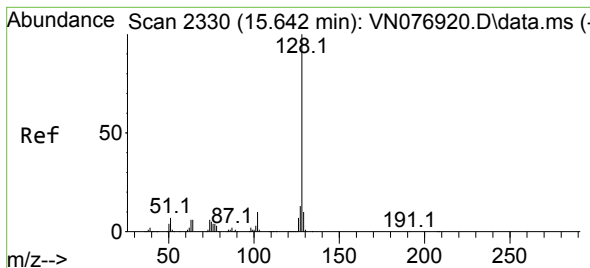
Tgt Ion:146 Resp: 1509
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 60.0#
 148 50.0 31.8 95.4



#93
 1,2,4-Trichlorobenzene
 Concen: 0.360 ug/l
 RT: 15.401 min Scan# 2289
 Delta R.T. 0.006 min
 Lab File: VN076982.D
 Acq: 14 Mar 2023 15:08

Tgt Ion:180 Resp: 1276
 Ion Ratio Lower Upper
 180 100
 182 89.9 47.4 142.2
 145 4.3 15.8 47.3#





#95

Naphthalene

Concen: 0.448 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076982.D

Acq: 14 Mar 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#01

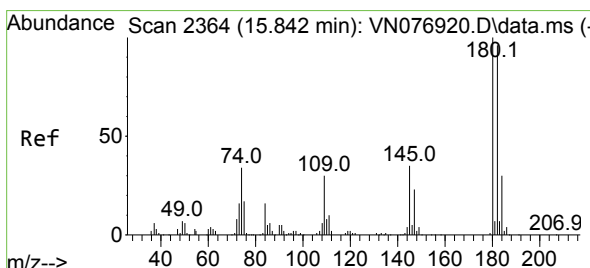
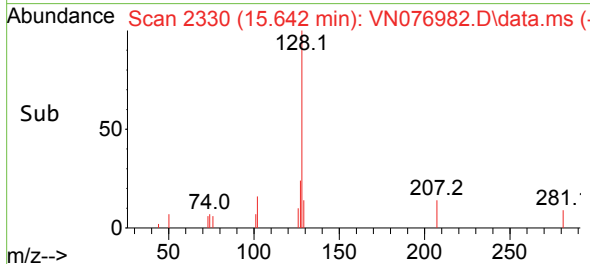
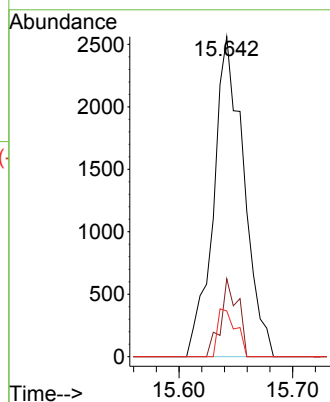
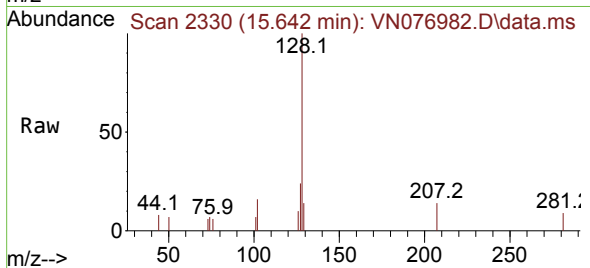
Tgt Ion:128 Resp: 4739

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 9.0 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 0.370 ug/l

RT: 15.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: VN076982.D

Acq: 14 Mar 2023 15:08

Tgt Ion:180 Resp: 1276

Ion Ratio Lower Upper

180 100

182 83.9 47.7 143.1

145 19.0 17.0 51.0

