

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076988.D
 Acq On : 14 Mar 2023 17:33
 Operator : JC\MD
 Sample : PB151382ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#07

Quant Time: Mar 15 04:26:59 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)

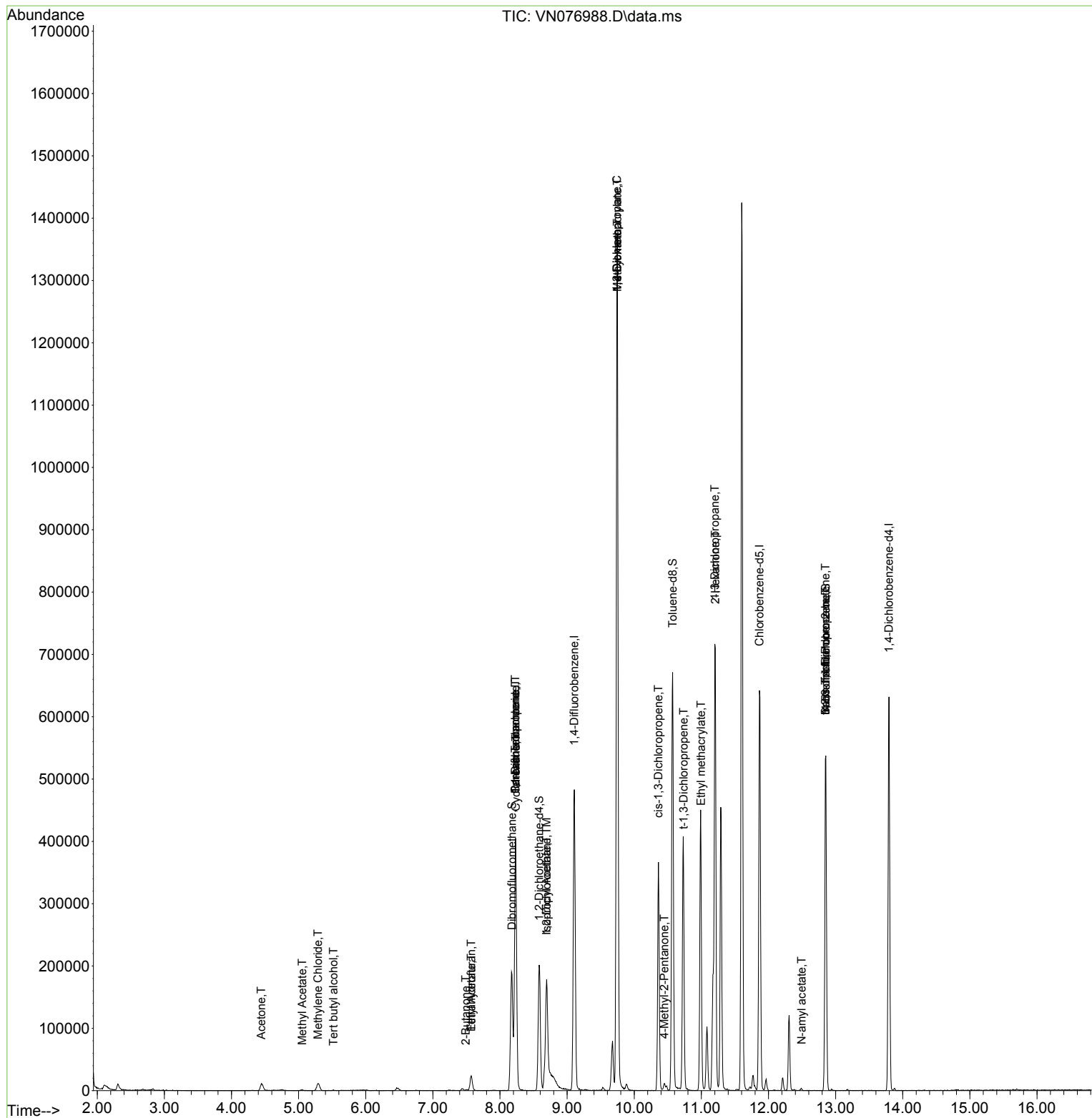
Internal Standards						
1) Pentafluorobenzene	8.230	168	267655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	393665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	357736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	162631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202263	50.640	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.280%			
35) Dibromofluoromethane	8.178	113	132088	50.345	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	10.571	98	461008	47.677	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.360%			
62) 4-Bromofluorobenzene	12.854	95	177888	50.297	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.600%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.519	59	688	1.238	ug/l #	72
16) Acetone	4.442	43	21801	15.752	ug/l #	79
18) Methyl Acetate	5.054	43	2142	0.420	ug/l	89
20) Methylene Chloride	5.289	84	9847	2.767	ug/l #	90
25) 2-Butanone	7.489	43	1449	0.736	ug/l #	78
29) Tetrahydrofuran	7.572	42	2402	1.969	ug/l #	22
31) Cyclohexane	8.236	56	5870	1.024	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	21990	5.419	ug/l #	52
37) Ethyl Acetate	7.572	43	33474	10.316	ug/l	99
38) Carbon Tetrachloride	8.230	117	31674	6.669	ug/l #	17
42) 1,2-Dichloroethane	8.695	62	1220	0.262	ug/l #	71
43) Isopropyl Acetate	8.695	43	263069	45.924	ug/l #	71
45) 1,2-Dichloropropane	9.742	63	1963	0.667	ug/l #	43
48) Methyl methacrylate	9.748	41	149354	53.213	ug/l #	30
49) 1,4-Dioxane	9.748	88	296	5.570	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	10392	3.020	ug/l #	64
53) t-1,3-Dichloropropene	10.736	75	1046	0.241	ug/l #	56
54) cis-1,3-Dichloropropene	10.360	75	62577	13.108	ug/l #	73
56) Ethyl methacrylate	10.995	69	1705	0.392	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	7365	1.458	ug/l #	42
59) 2-Hexanone	11.207	43	102962	41.036	ug/l #	42
71) Bromoform	12.848	173	675	0.298	ug/l #	1
74) N-amyl acetate	12.495	43	1348	0.281	ug/l #	39
76) 1,2,3-Trichloropropane	12.848	75	111129	28.185	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	111129	92.065	ug/l #	15

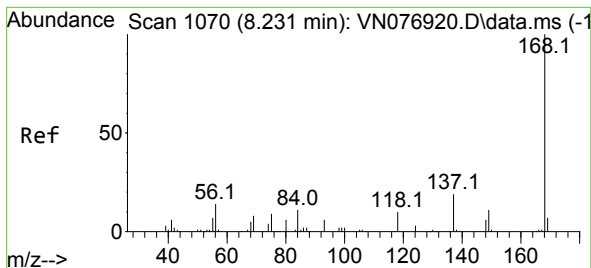
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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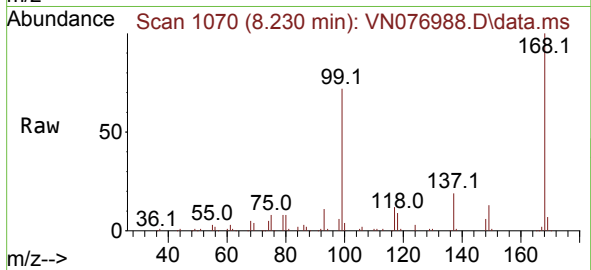
Quant Time: Mar 15 04:26:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



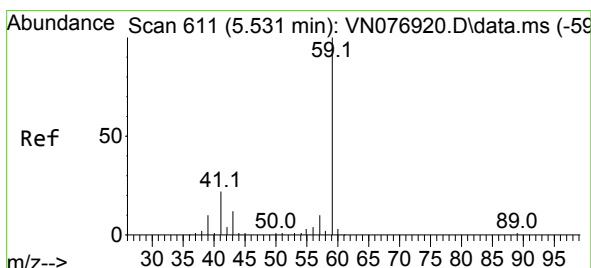
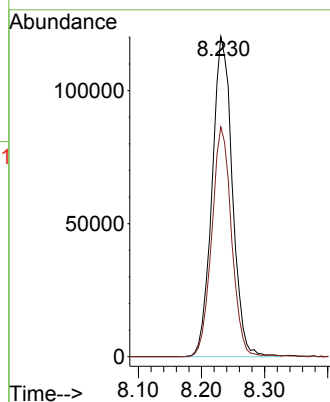
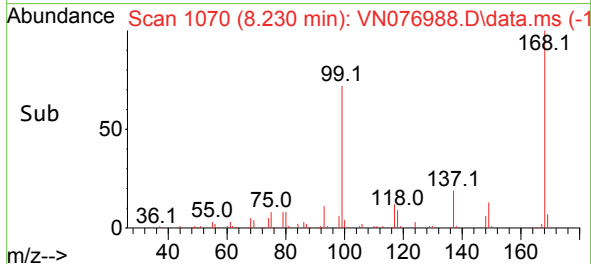


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

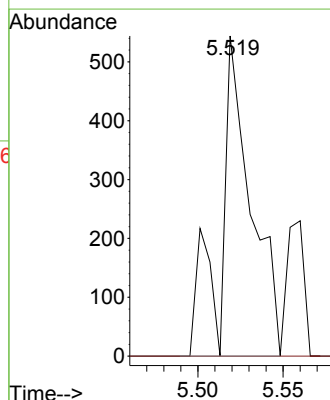
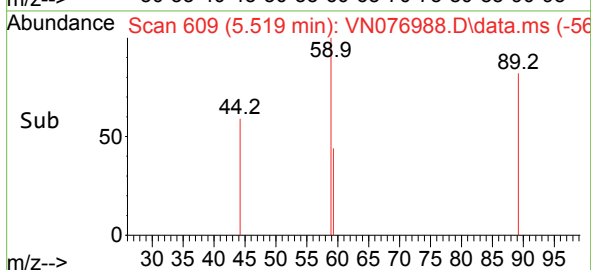
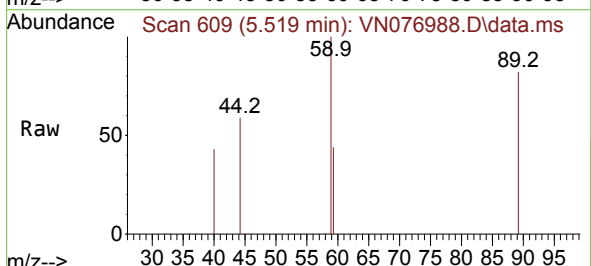


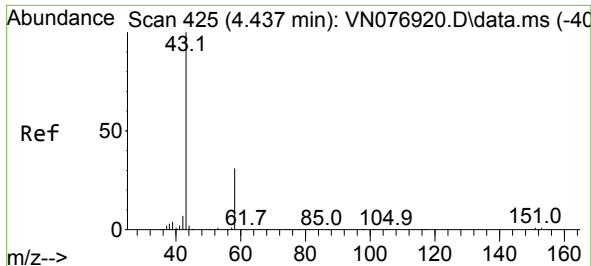
Tgt Ion:168 Resp: 267655
Ion Ratio Lower Upper
168 100
99 71.8 48.6 73.0



#11
Tert butyl alcohol
Concen: 1.238 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion: 59 Resp: 688
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

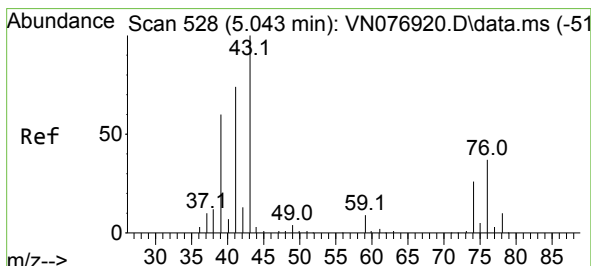
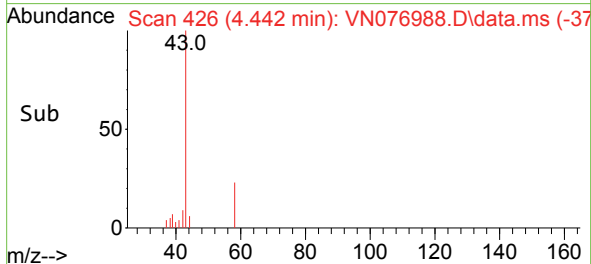
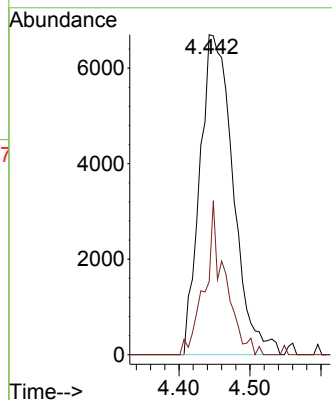
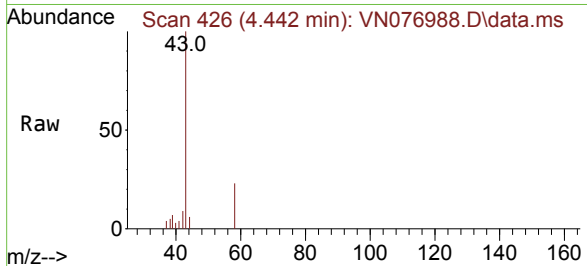




#16
Acetone
Concen: 15.752 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

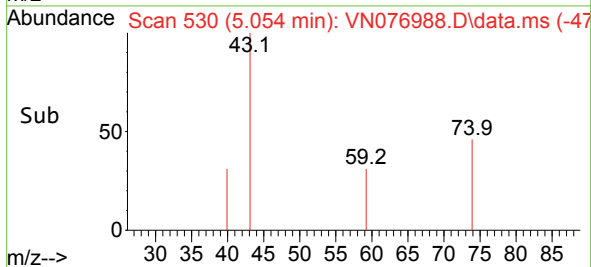
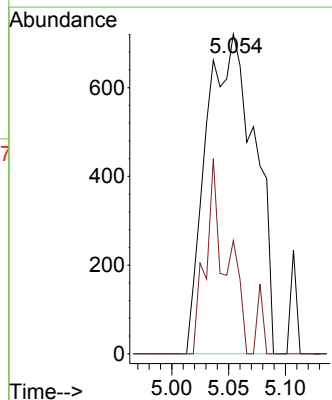
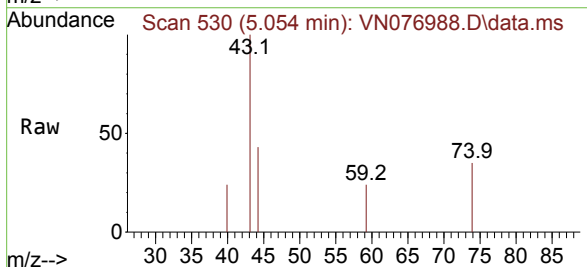
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

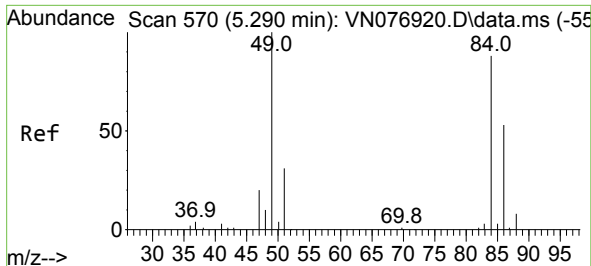
Tgt Ion: 43 Resp: 21801
Ion Ratio Lower Upper
43 100
58 22.8 28.2 42.2#



#18
Methyl Acetate
Concen: 0.420 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion: 43 Resp: 2142
Ion Ratio Lower Upper
43 100
74 26.2 25.9 38.9

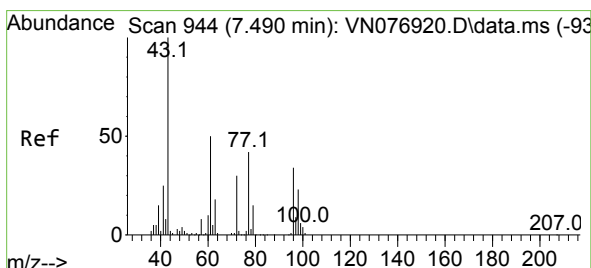
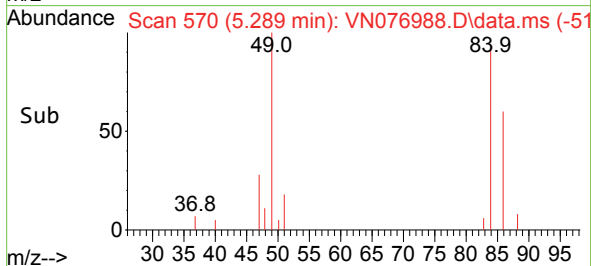
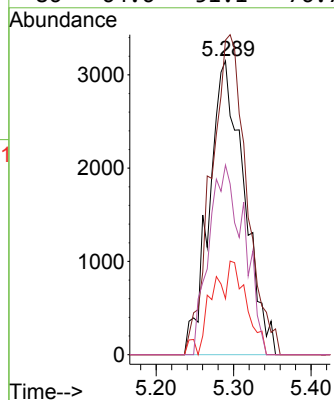
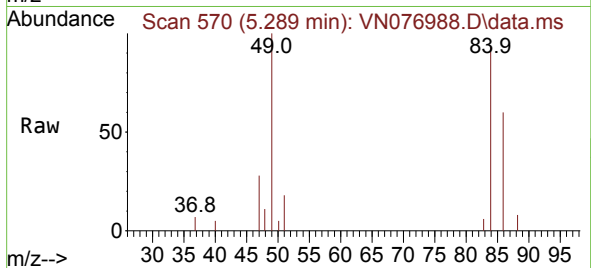




#20
Methylene Chloride
Concen: 2.767 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

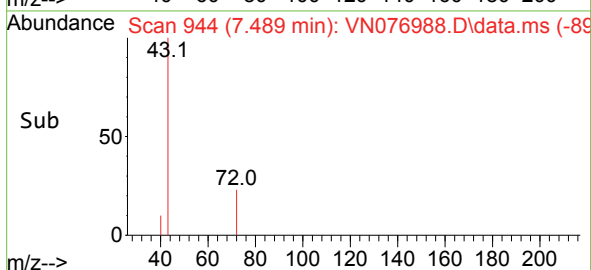
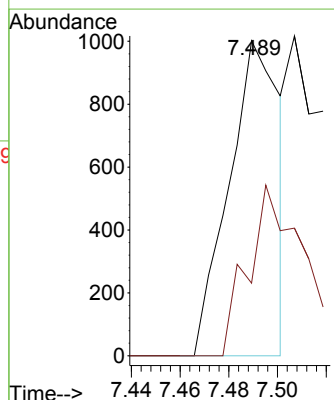
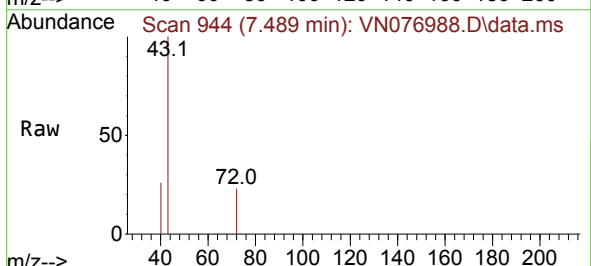
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

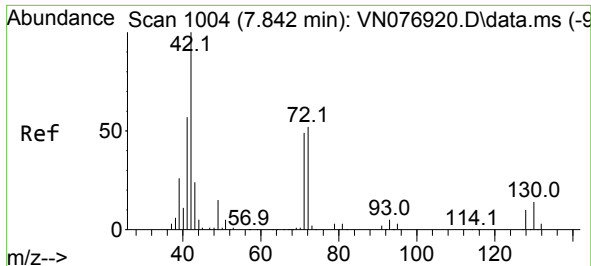
Tgt Ion:	84	Resp:	9847
Ion	Ratio	Lower	Upper
84	100		
49	107.1	76.6	114.8
51	19.1	25.4	38.2#
86	64.6	51.1	76.7



#25
2-Butanone
Concen: 0.736 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion:	43	Resp:	1449
Ion	Ratio	Lower	Upper
43	100		
72	23.1	28.8	43.2#

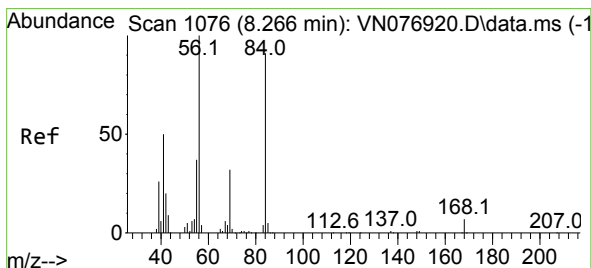
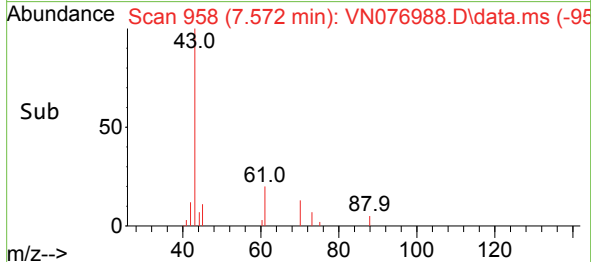
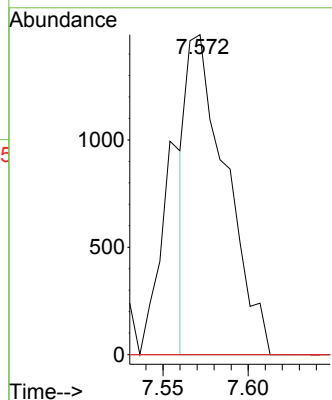
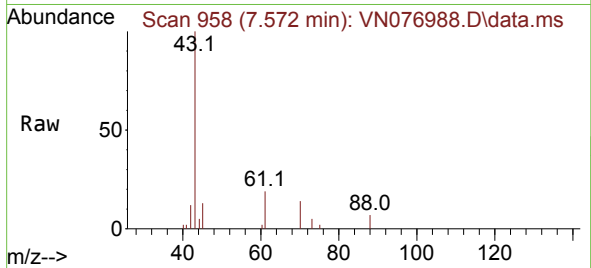




#29
Tetrahydrofuran
Concen: 1.969 ug/l
RT: 7.572 min Scan# 91
Delta R.T. -0.270 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

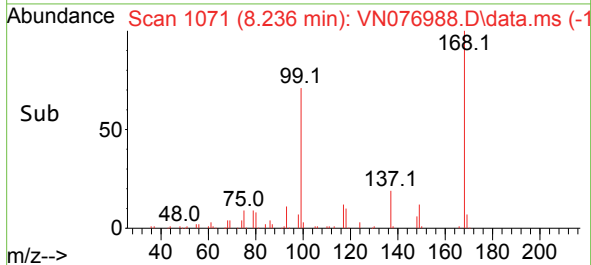
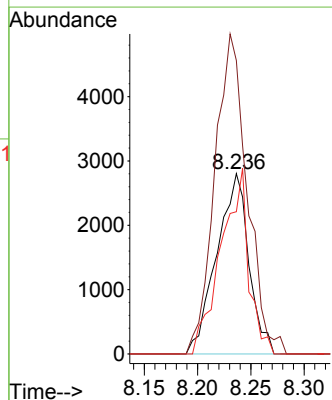
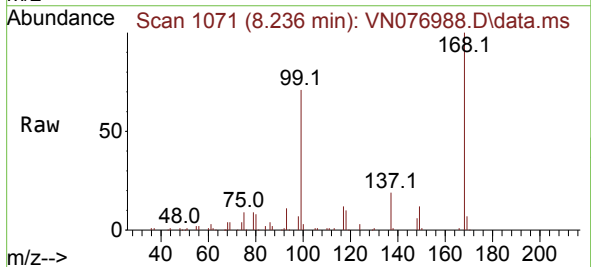
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

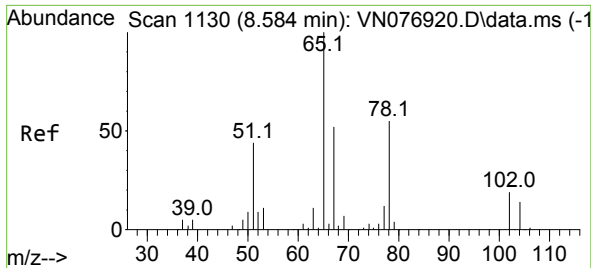
Tgt Ion: 42 Resp: 2402
Ion Ratio Lower Upper
42 100
72 0.0 48.6 73.0#
71 0.0 45.1 67.7#



#31
Cyclohexane
Concen: 1.024 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.030 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion: 56 Resp: 5870
Ion Ratio Lower Upper
56 100
69 162.7 27.0 40.6#
84 78.9 82.9 124.3#

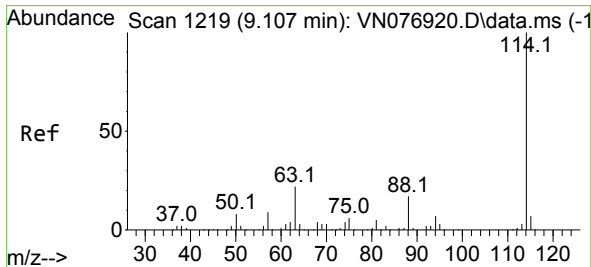
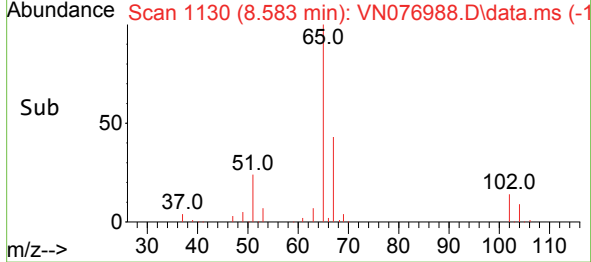
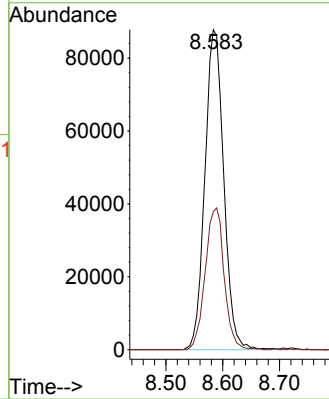
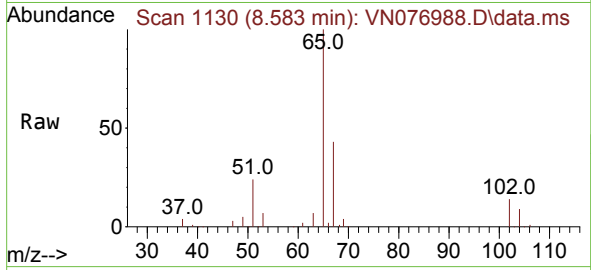




#33
 1,2-Dichloroethane-d4
 Concen: 50.640 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. -0.001 min
 Lab File: VN076988.D
 Acq: 14 Mar 2023 17:33

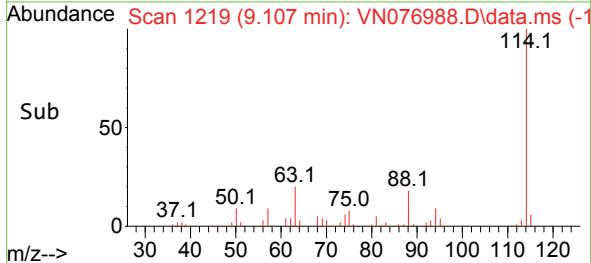
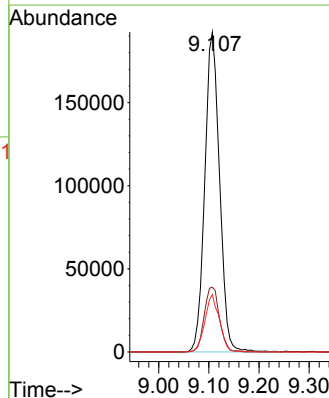
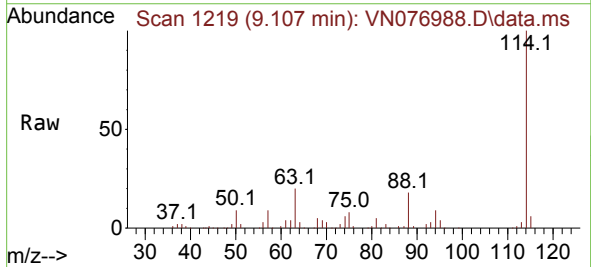
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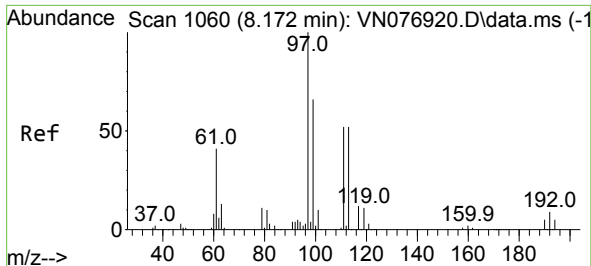
Tgt Ion: 65 Resp: 202263
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN076988.D
 Acq: 14 Mar 2023 17:33

Tgt Ion:114 Resp: 393665
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 36.6
 88 17.9 0.0 28.6

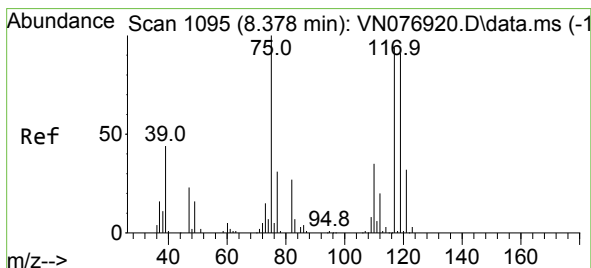
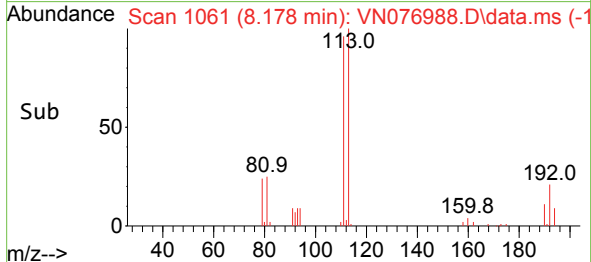
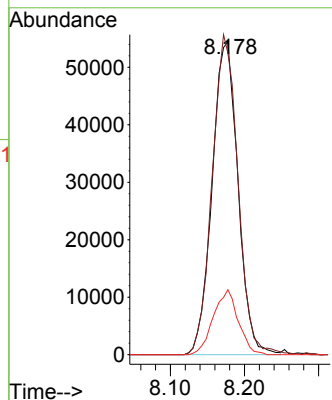
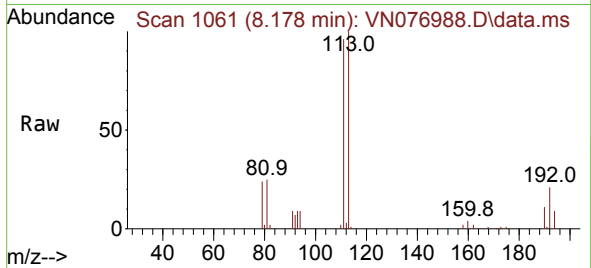




#35
Dibromofluoromethane
Concen: 50.345 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

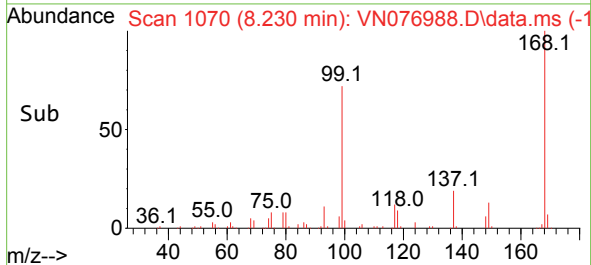
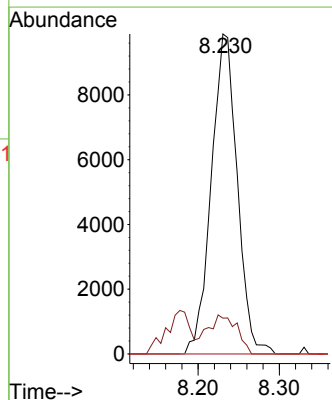
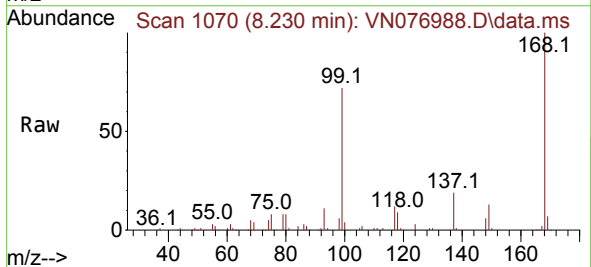
Instrument :
MSVOA_N
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PB151382ZHE#07

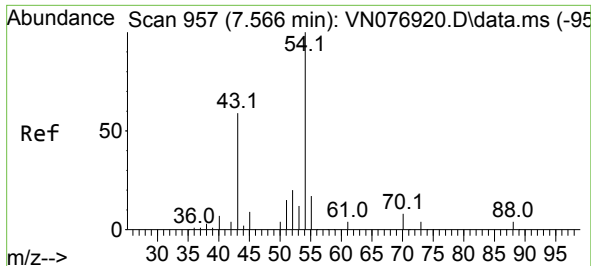
Tgt Ion:113 Resp: 132088
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.8
192 20.0 13.9 20.9



#36
1,1-Dichloropropene
Concen: 5.419 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.148 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion: 75 Resp: 21990
Ion Ratio Lower Upper
75 100
110 13.3 18.9 56.9#
77 0.0 24.9 37.3#

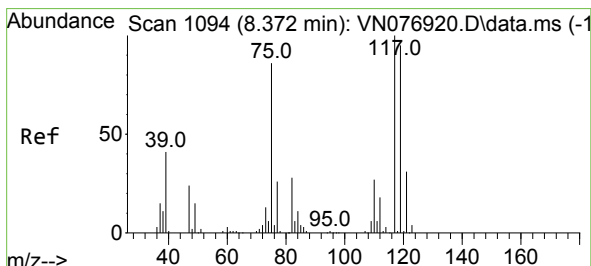
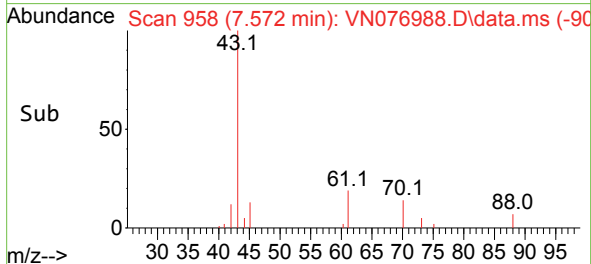
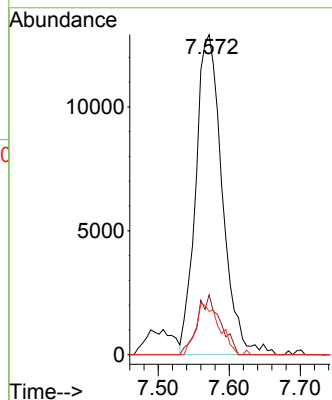
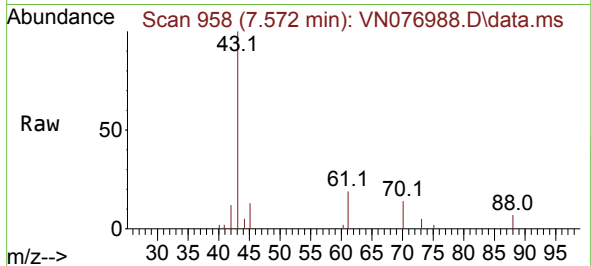




#37
Ethyl Acetate
Concen: 10.316 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

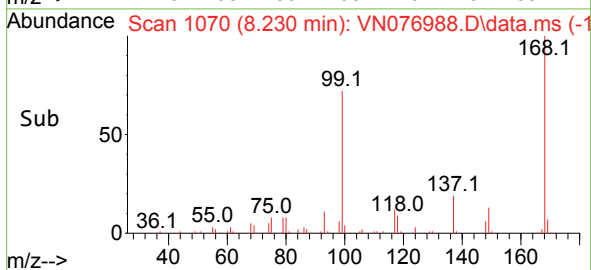
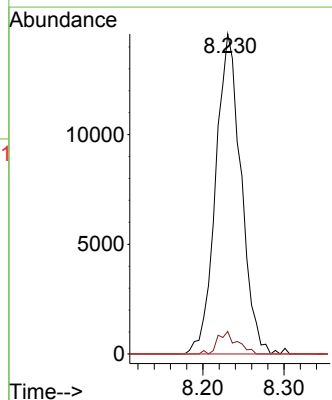
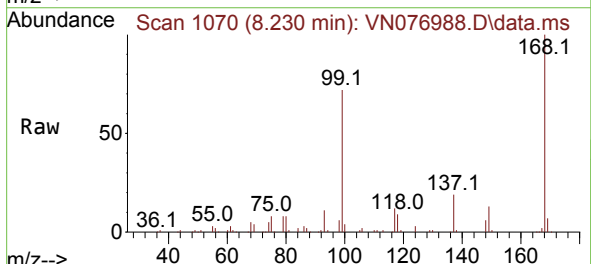
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

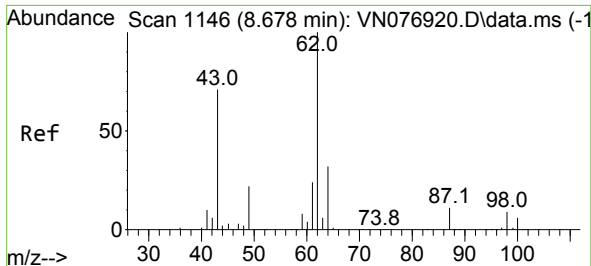
Tgt Ion:	43	Resp:	33474
Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.5	20.3
70	14.4	11.0	16.6



#38
Carbon Tetrachloride
Concen: 6.669 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion:	117	Resp:	31674
Ion	Ratio	Lower	Upper
117	100		
119	7.1	76.9	115.3#
121	0.0	23.2	34.8#





#42

1,2-Dichloroethane

Concen: 0.262 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.017 min

Lab File: VN076988.D

Acq: 14 Mar 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

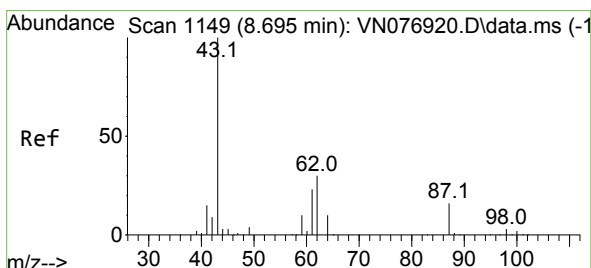
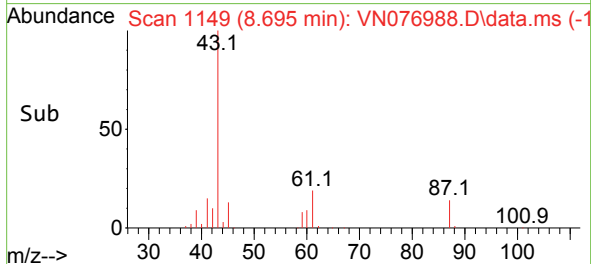
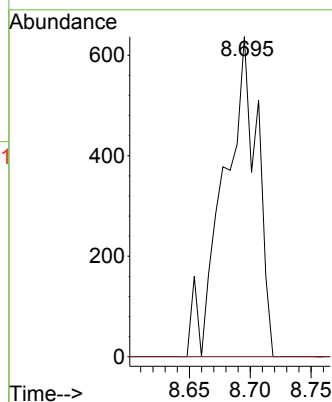
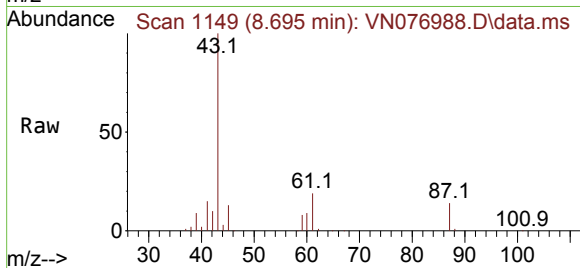
PB151382ZHE#07

Tgt Ion: 62 Resp: 1220

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8



#43

Isopropyl Acetate

Concen: 45.924 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076988.D

Acq: 14 Mar 2023 17:33

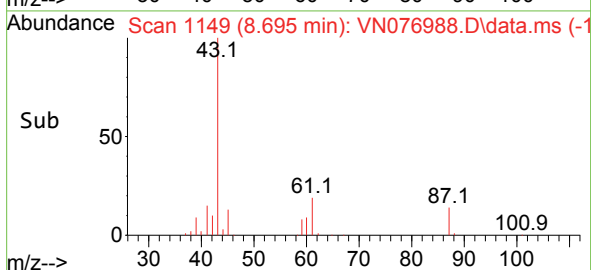
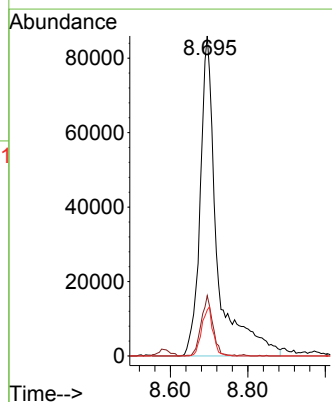
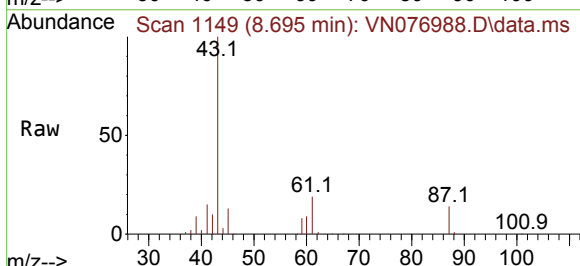
Tgt Ion: 43 Resp: 263069

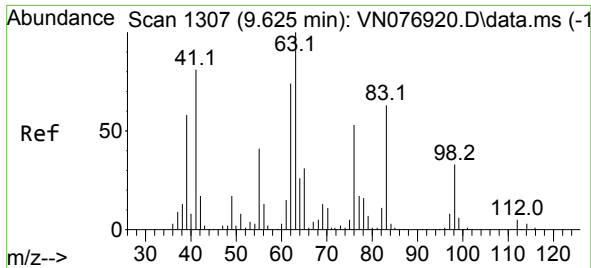
Ion Ratio Lower Upper

43 100

61 12.8 26.2 39.2#

87 10.0 14.8 22.2#

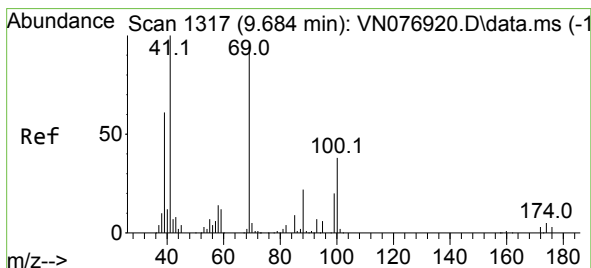
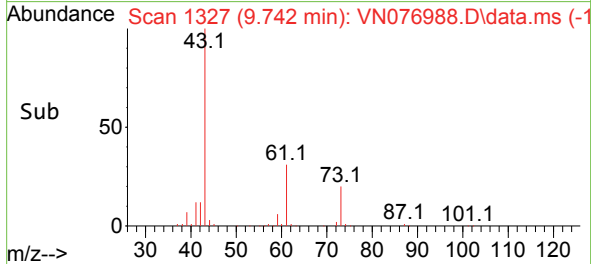
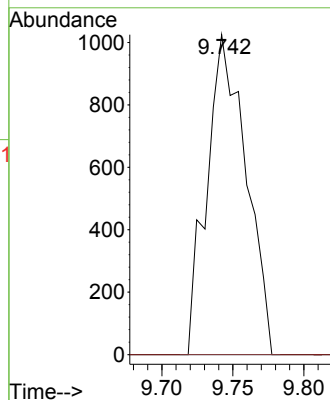
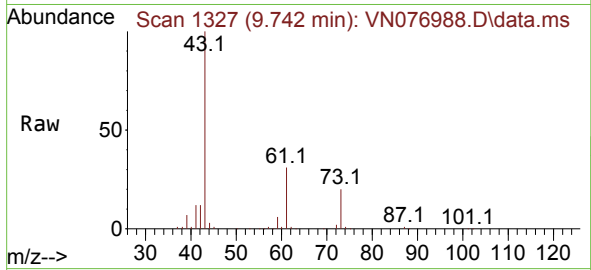




#45
1,2-Dichloropropane
Concen: 0.667 ug/l
RT: 9.742 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

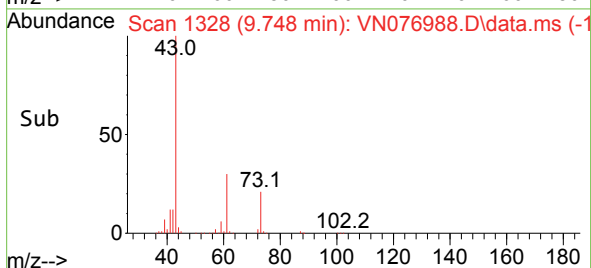
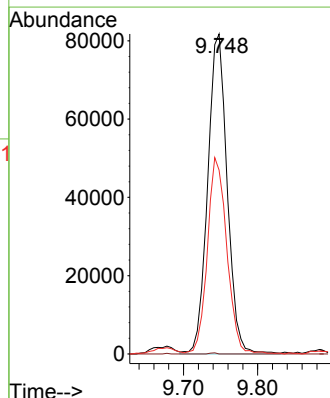
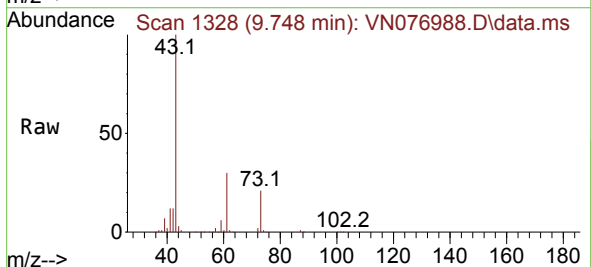
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

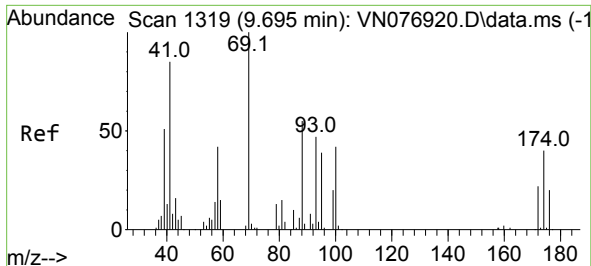
Tgt Ion: 63 Resp: 1963
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.6#



#48
Methyl methacrylate
Concen: 53.213 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.064 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion: 41 Resp: 149354
Ion Ratio Lower Upper
41 100
69 0.1 92.6 139.0#
39 61.4 51.4 77.0





#49

1,4-Dioxane

Concen: 5.570 ug/l

RT: 9.748 min Scan# 1319

Delta R.T. 0.053 min

Lab File: VN076988.D

Acq: 14 Mar 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#07

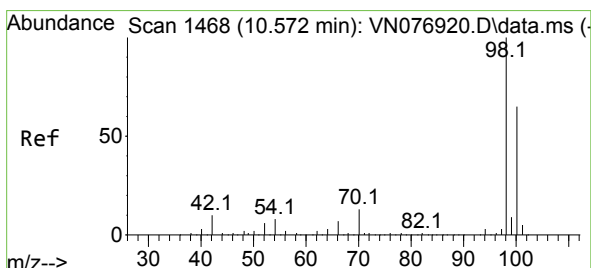
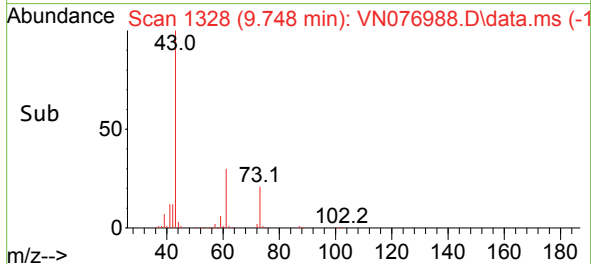
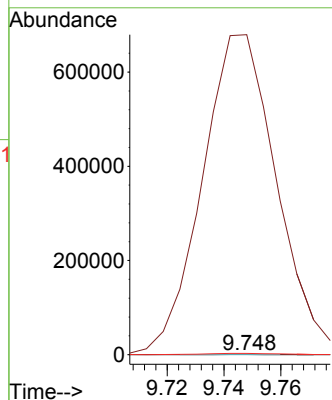
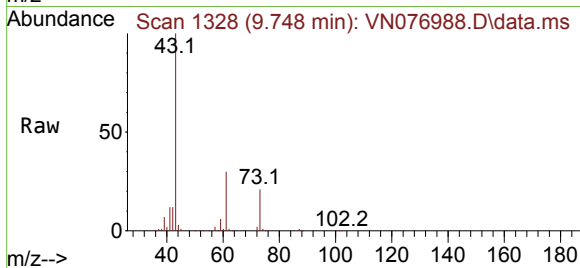
Tgt Ion: 88 Resp: 296

Ion Ratio Lower Upper

88 100

43 422549.7 15.3 22.9#

58 1782.8 47.6 71.4#



#50

Toluene-d8

Concen: 47.677 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. -0.001 min

Lab File: VN076988.D

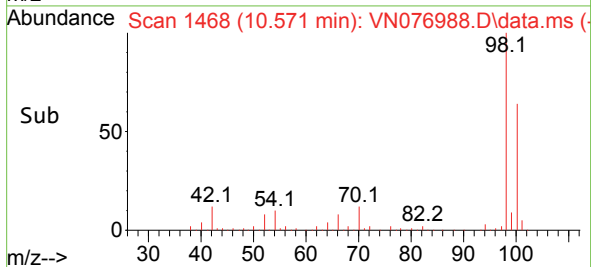
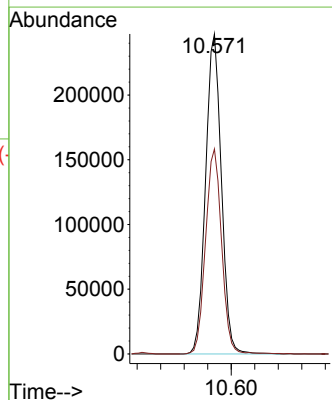
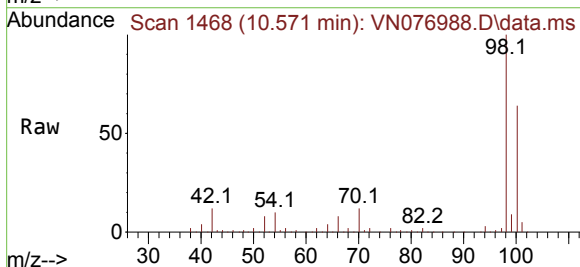
Acq: 14 Mar 2023 17:33

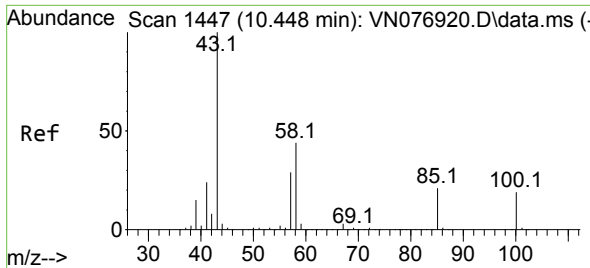
Tgt Ion: 98 Resp: 461008

Ion Ratio Lower Upper

98 100

100 65.0 52.8 79.2

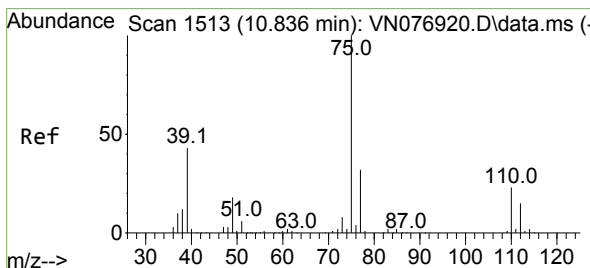
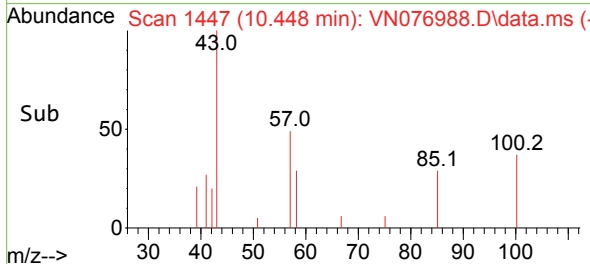
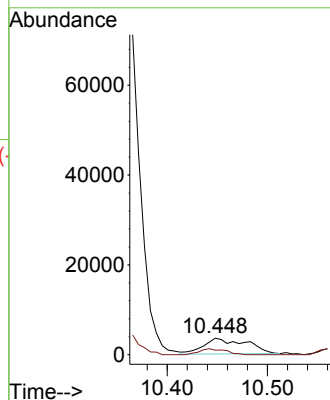
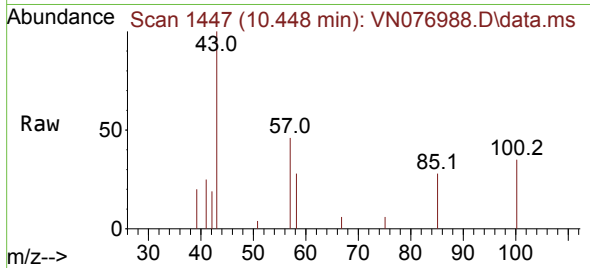




#51
4-Methyl-2-Pentanone
Concen: 3.020 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

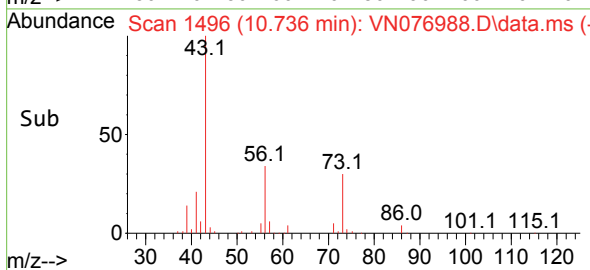
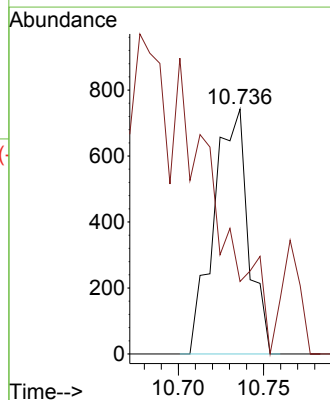
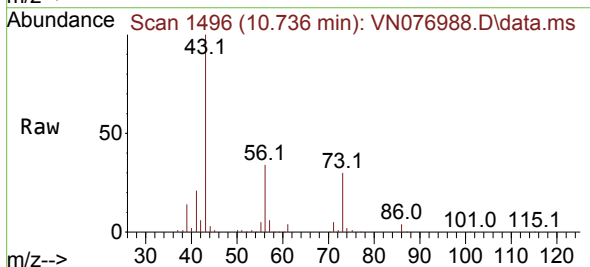
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

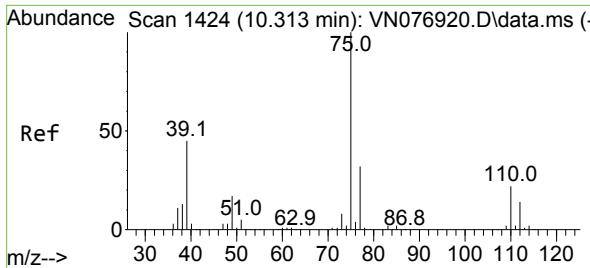
Tgt Ion: 43 Resp: 10392
Ion Ratio Lower Upper
43 100
58 22.8 37.4 56.0#



#53
t-1,3-Dichloropropene
Concen: 0.241 ug/l
RT: 10.736 min Scan# 1496
Delta R.T. -0.100 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion: 75 Resp: 1046
Ion Ratio Lower Upper
75 100
77 7.1 25.0 37.6#

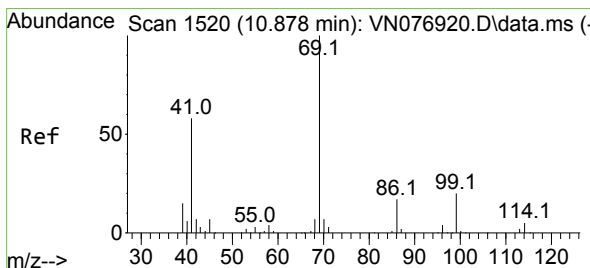
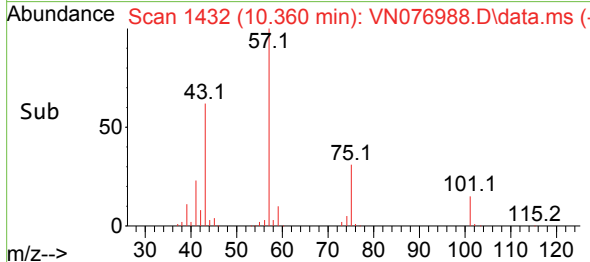
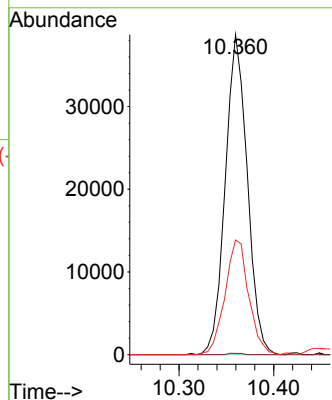
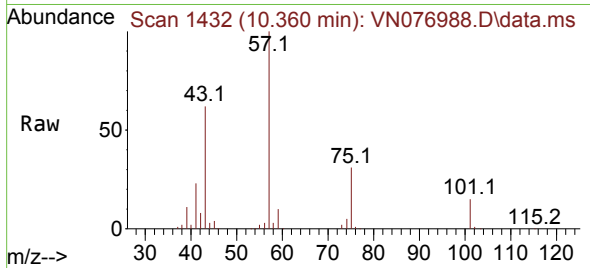




#54
cis-1,3-Dichloropropene
Concen: 13.108 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

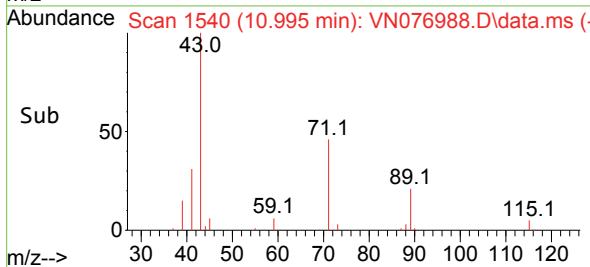
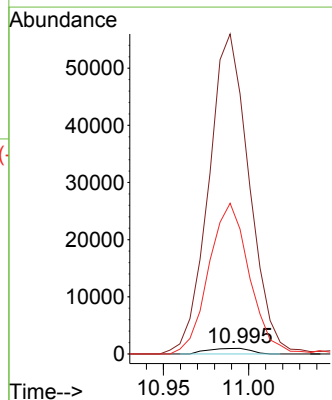
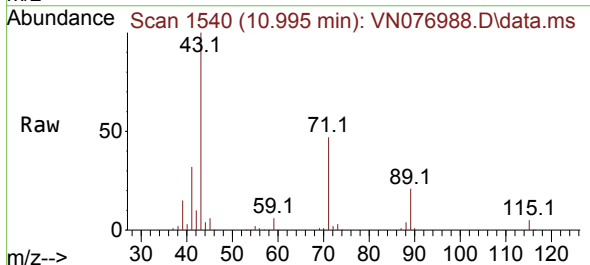
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

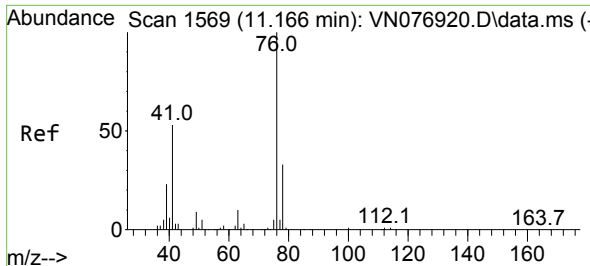
Tgt Ion: 75 Resp: 62577
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 35.8 29.7 44.5



#56
Ethyl methacrylate
Concen: 0.392 ug/l
RT: 10.995 min Scan# 1540
Delta R.T. 0.117 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion: 69 Resp: 1705
Ion Ratio Lower Upper
69 100
41 5465.1 38.0 57.0#
39 2566.1 22.4 33.6#





#57

1,3-Dichloropropane

Concen: 1.458 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN076988.D

Acq: 14 Mar 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

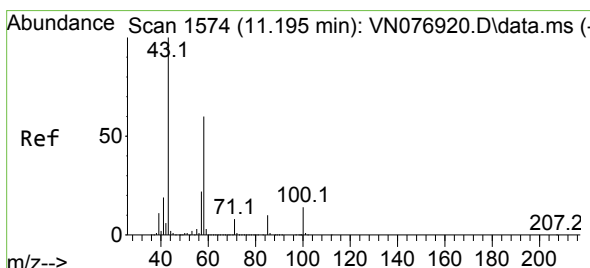
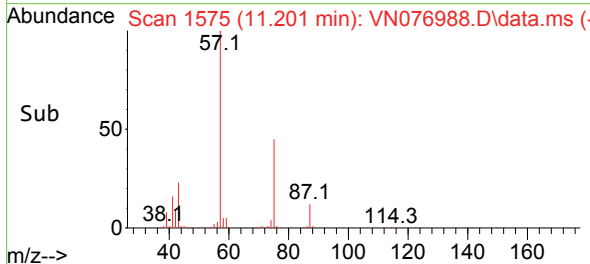
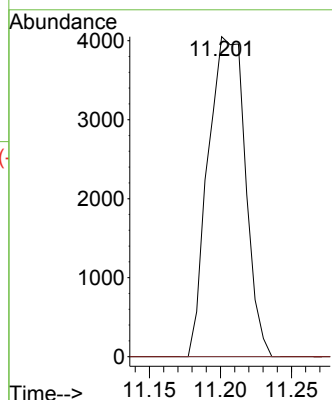
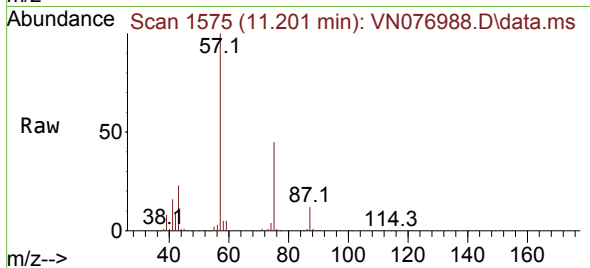
PB151382ZHE#07

Tgt Ion: 76 Resp: 7365

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.036 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.012 min

Lab File: VN076988.D

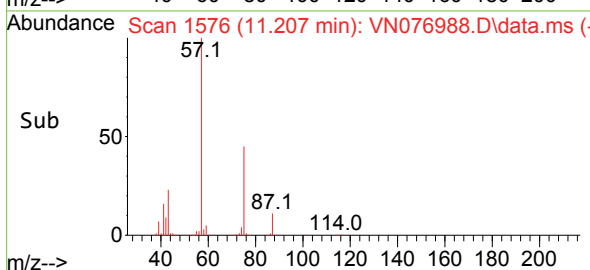
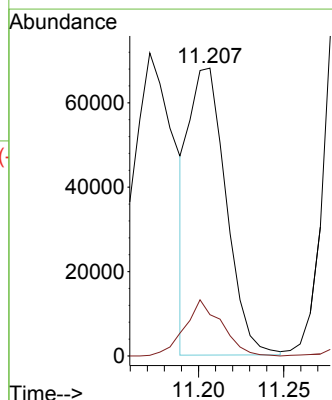
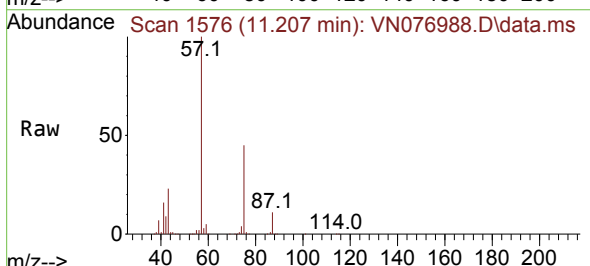
Acq: 14 Mar 2023 17:33

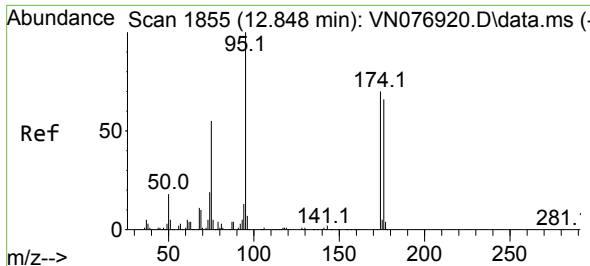
Tgt Ion: 43 Resp: 102962

Ion Ratio Lower Upper

43 100

58 19.6 32.6 98.0#

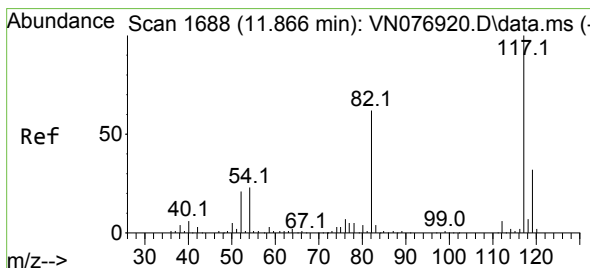
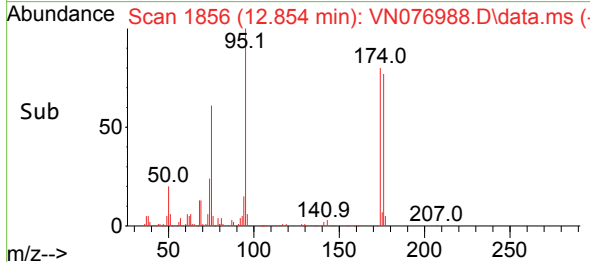
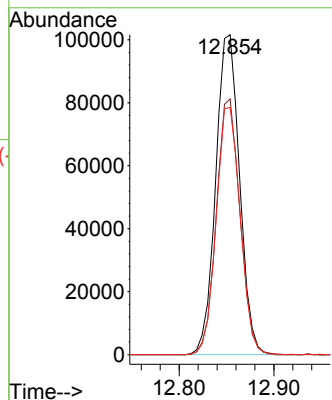
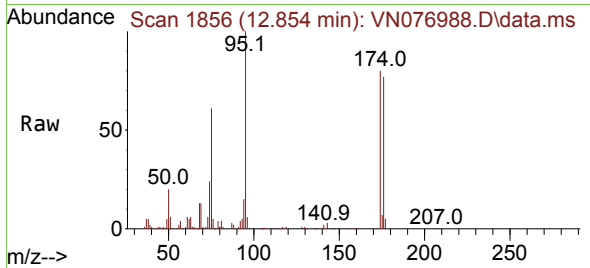




#62
4-Bromofluorobenzene
Concen: 50.297 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

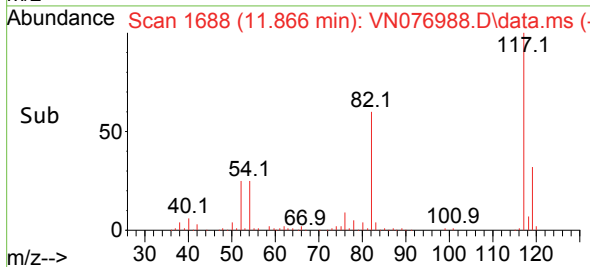
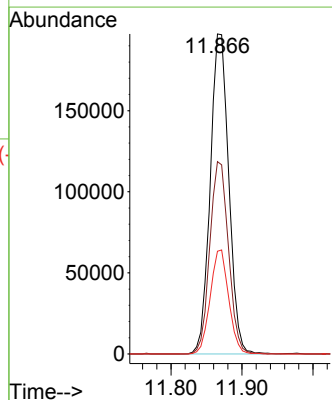
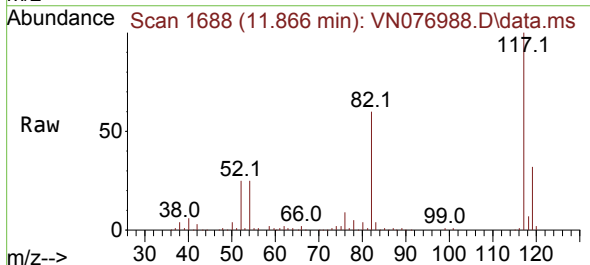
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

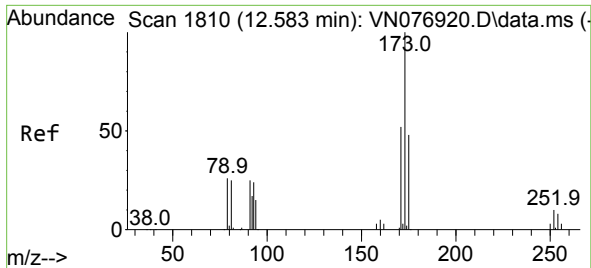
Tgt Ion: 95 Resp: 177888
Ion Ratio Lower Upper
95 100
174 79.3 0.0 162.4
176 77.6 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion: 117 Resp: 357736
Ion Ratio Lower Upper
117 100
82 60.1 43.5 65.3
119 32.1 25.5 38.3

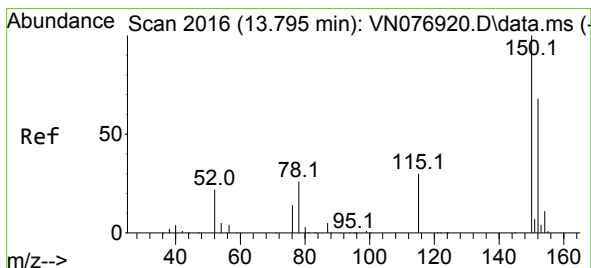
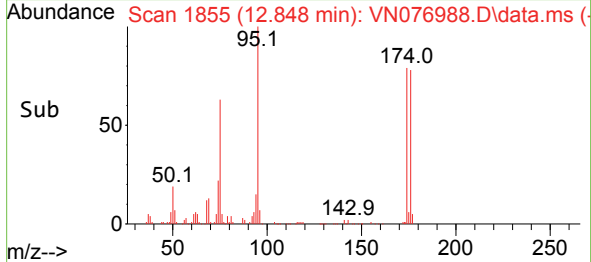
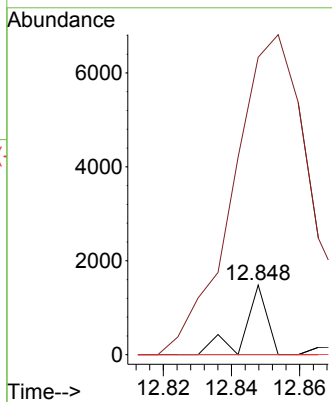
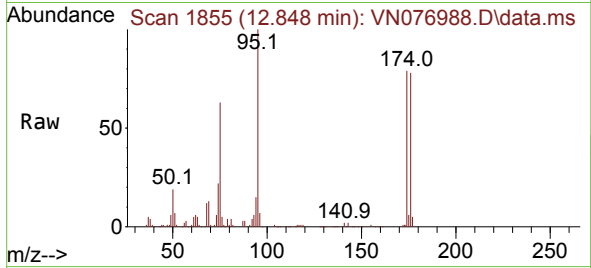




#71
Bromoform
Concen: 0.298 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

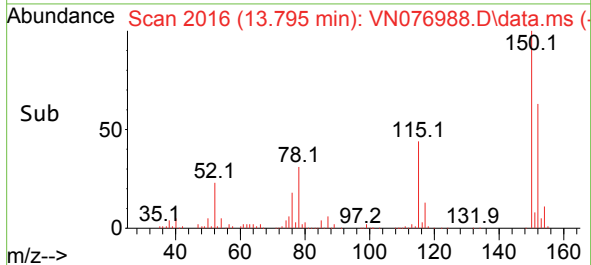
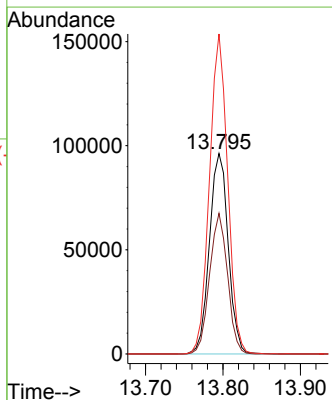
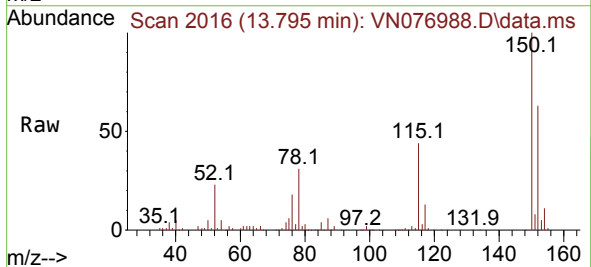
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#07

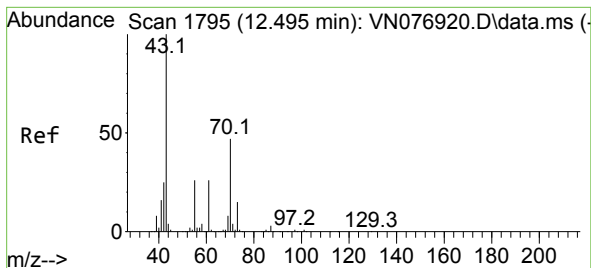
Tgt Ion:173 Resp: 675
Ion Ratio Lower Upper
173 100
175 1362.7 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076988.D
Acq: 14 Mar 2023 17:33

Tgt Ion:152 Resp: 162631
Ion Ratio Lower Upper
152 100
115 66.9 30.3 90.9
150 153.8 0.0 353.6





#74

N-amy1 acetate

Concen: 0.281 ug/l

RT: 12.495 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076988.D

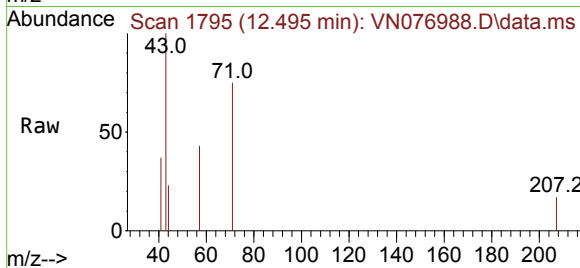
Acq: 14 Mar 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#07



Tgt Ion: 43 Resp: 1348

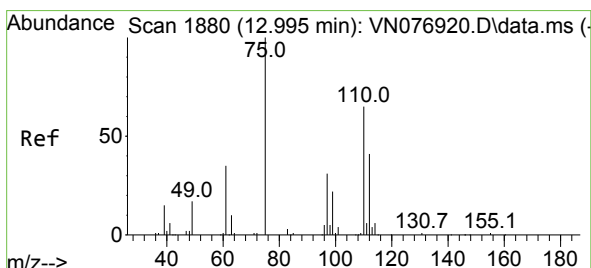
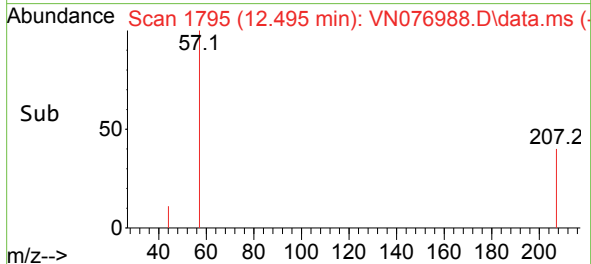
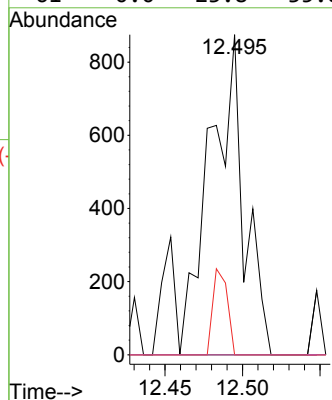
Ion Ratio Lower Upper

43 100

70 0.0 46.8 70.2#

55 11.3 23.4 35.2#

61 0.0 23.8 35.8#



#76

1,2,3-Trichloropropane

Concen: 28.185 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.147 min

Lab File: VN076988.D

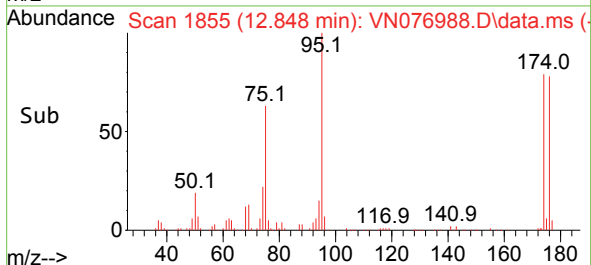
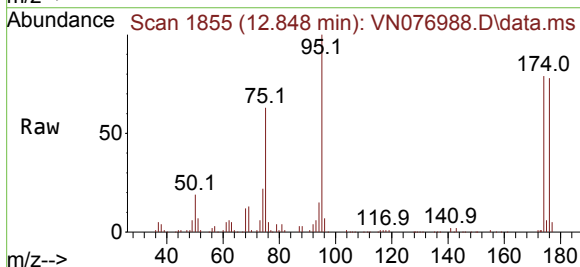
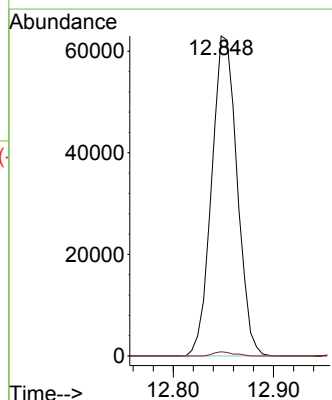
Acq: 14 Mar 2023 17:33

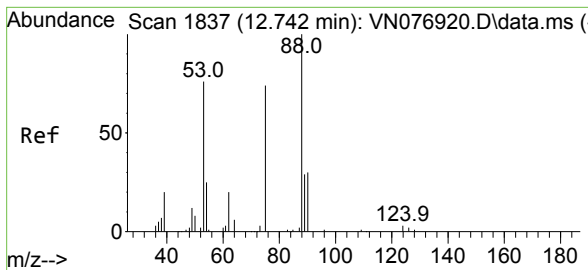
Tgt Ion: 75 Resp: 111129

Ion Ratio Lower Upper

75 100

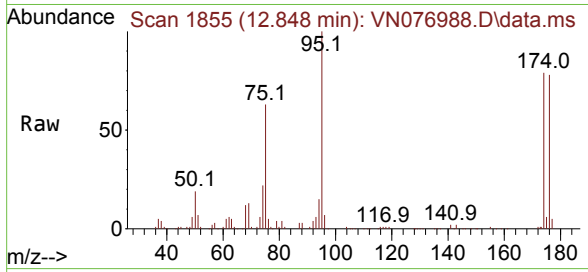
77 1.1 93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.065 ug/l
 RT: 12.848 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN076988.D
 Acq: 14 Mar 2023 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#07



Tgt Ion: 75 Resp: 111129
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

