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 Data File : VN076466.D
 Acq On : 30 Jan 2023 18:53
 Operator : JC\MD
 Sample : 01329-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

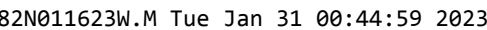
Instrument :
 MSVOA_N
 ClientSampleId :

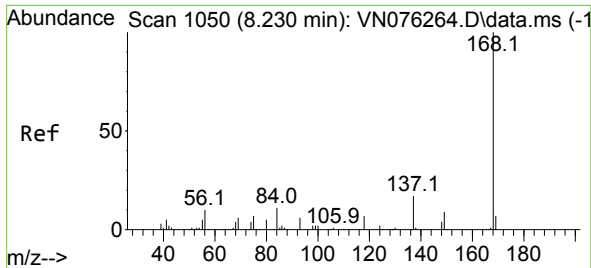
Quant Time: Jan 31 00:44:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	396019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	674153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	599995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	231987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	247928	55.913	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.820%	
35) Dibromofluoromethane	8.177	113	205904	48.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.660%	
50) Toluene-d8	10.571	98	920255	59.088	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 118.180%#	
62) 4-Bromofluorobenzene	12.853	95	249655	49.103	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.200%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	1119	1.887	ug/l #	72
14) Allyl chloride	5.294	41	2274	0.514	ug/l #	15
16) Acetone	4.447	43	201194	141.509	ug/l	99
18) Methyl Acetate	5.042	43	5505	1.143	ug/l #	62
20) Methylene Chloride	5.289	84	84057	19.618	ug/l	94
25) 2-Butanone	7.500	43	4505	2.075	ug/l #	78
29) Tetrahydrofuran	7.865	42	494	0.369	ug/l #	25
30) Chloroform	7.965	83	2932	0.381	ug/l	99
31) Cyclohexane	8.235	56	8351	1.226	ug/l #	18
36) 1,1-Dichloropropene	8.235	75	31133	5.195	ug/l #	49
37) Ethyl Acetate	7.571	43	33715	7.046	ug/l	98
38) Carbon Tetrachloride	8.235	117	42369	6.340	ug/l #	16
43) Isopropyl Acetate	8.694	43	329053	42.083	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	2208	0.515	ug/l #	42
48) Methyl methacrylate	9.671	41	4914	1.327	ug/l #	32
49) 1,4-Dioxane	9.735	88	132	1.690	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	14030	3.057	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	57231	8.307	ug/l #	63
56) Ethyl methacrylate	10.982	69	1635	0.277	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8204	1.102	ug/l #	42
59) 2-Hexanone	11.206	43	78666	23.650	ug/l #	55
71) Bromoform	12.847	173	1239	0.364	ug/l #	1
74) N-amyl acetate	12.482	43	1558	0.302	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	134172	31.395	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	134172	96.229	ug/l #	11
95) Naphthalene	15.641	128	1481	1.957	ug/l #	69

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

Quant Time: Jan 31 00:44:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

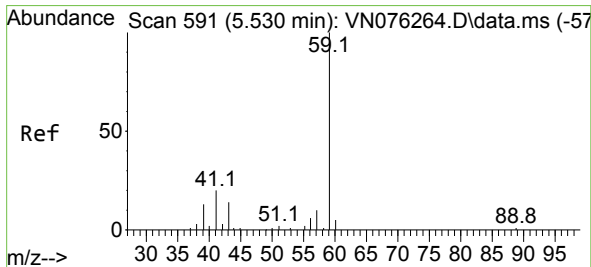
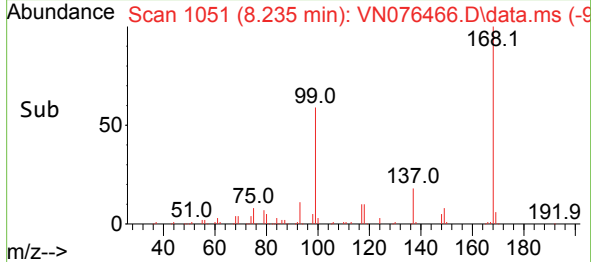
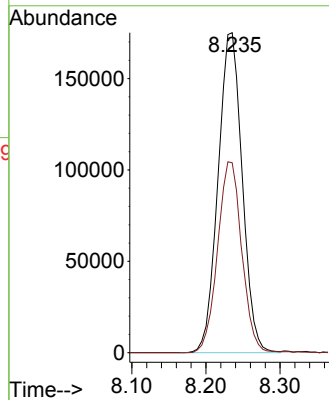
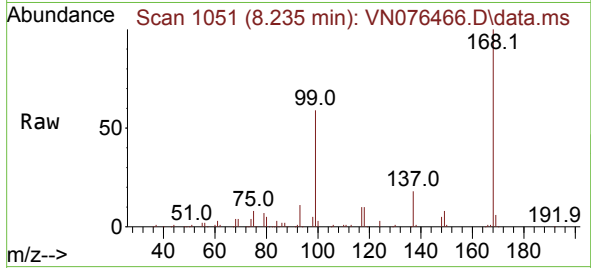




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

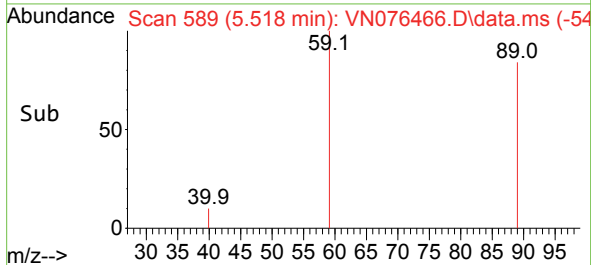
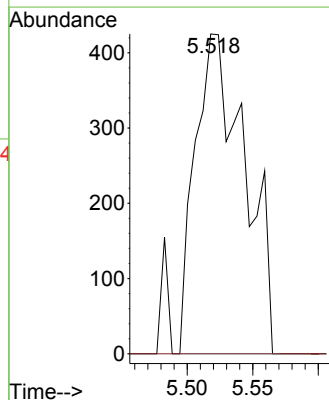
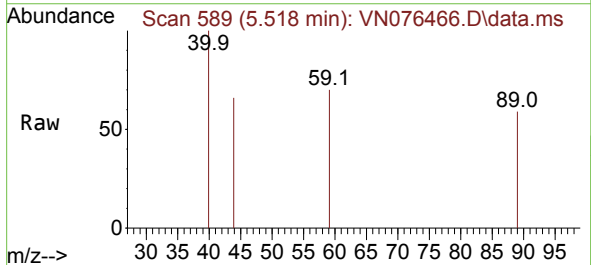
Instrument :
MSVOA_N
ClientSampleId :

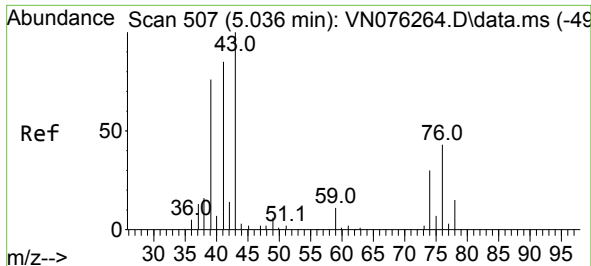
Tgt Ion:168 Resp: 396019
Ion Ratio Lower Upper
168 100
99 59.4 41.6 62.4



#11
Tert butyl alcohol
Concen: 1.887 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.012 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

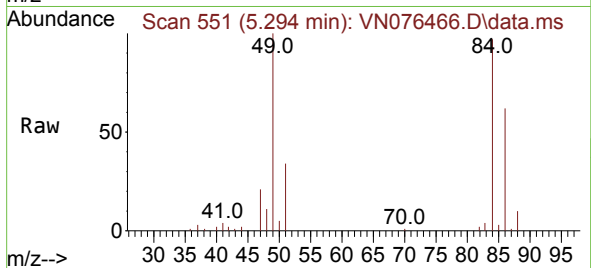
Tgt Ion: 59 Resp: 1119
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



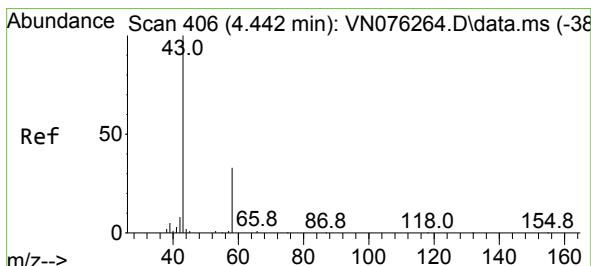
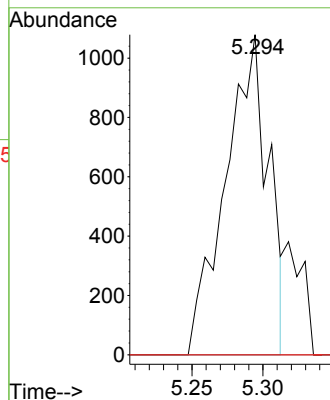
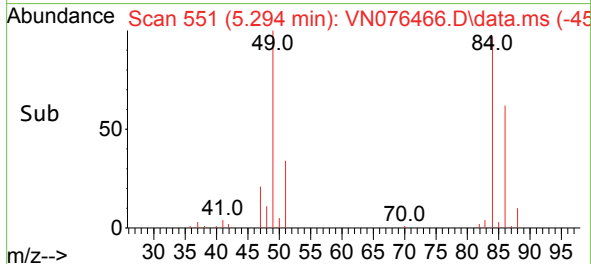


#14
 Allyl chloride
 Concen: 0.514 ug/l
 RT: 5.294 min Scan# 51
 Delta R.T. 0.258 min
 Lab File: VN076466.D
 Acq: 30 Jan 2023 18:53

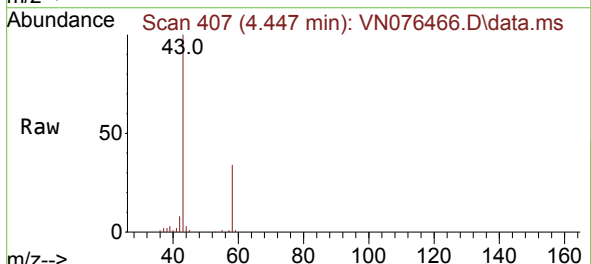
Instrument :
 MSVOA_N
 ClientSampleId :



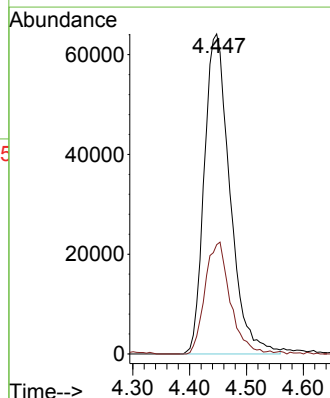
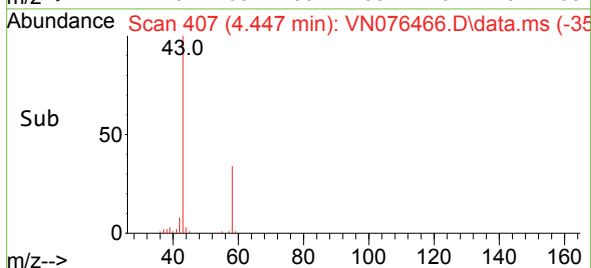
Tgt Ion: 41 Resp: 2274
 Ion Ratio Lower Upper
 41 100
 39 0.0 67.4 101.0#
 76 0.0 39.8 59.8#

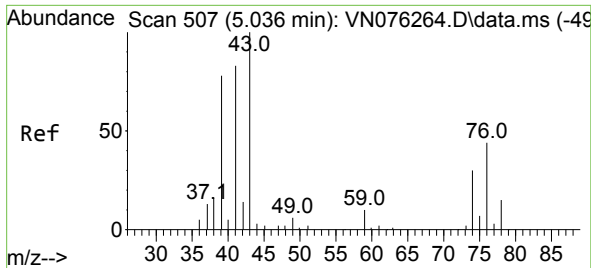


#16
 Acetone
 Concen: 141.509 ug/l
 RT: 4.447 min Scan# 407
 Delta R.T. 0.005 min
 Lab File: VN076466.D
 Acq: 30 Jan 2023 18:53



Tgt Ion: 43 Resp: 201194
 Ion Ratio Lower Upper
 43 100
 58 34.1 26.7 40.1

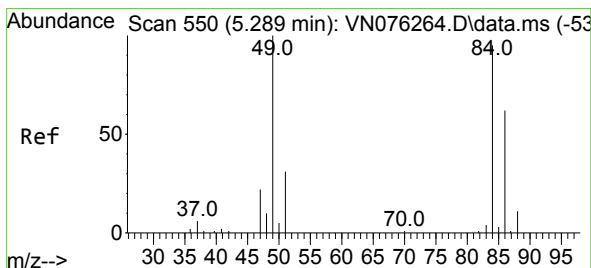
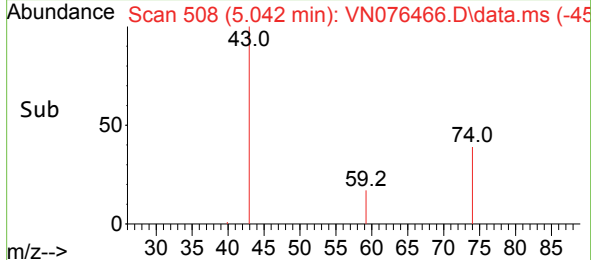
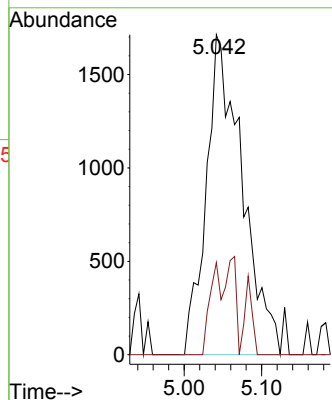
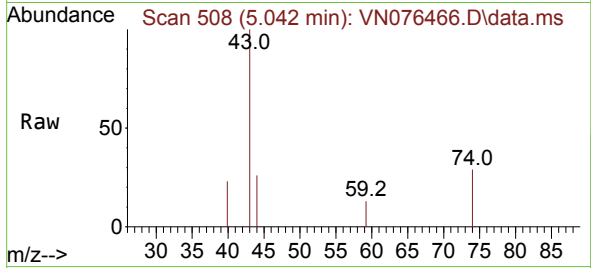




#18
Methyl Acetate
Concen: 1.143 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

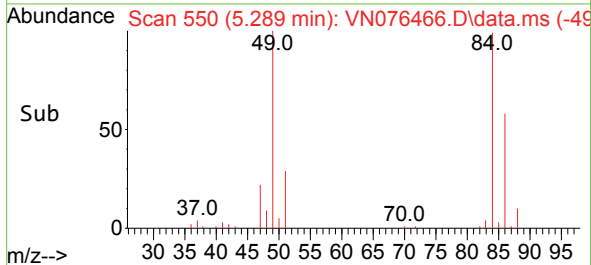
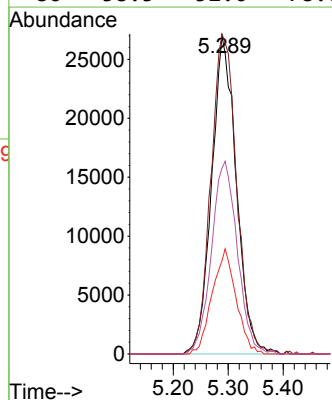
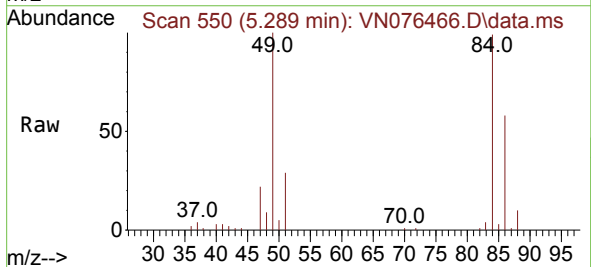
Instrument :
MSVOA_N
ClientSampleId :

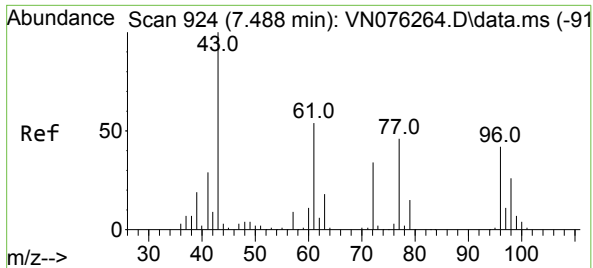
Tgt Ion: 43 Resp: 5505
Ion Ratio Lower Upper
43 100
74 8.9 23.3 34.9#



#20
Methylene Chloride
Concen: 19.618 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion: 84 Resp: 84057
Ion Ratio Lower Upper
84 100
49 100.8 84.5 126.7
51 29.3 26.0 39.0
86 58.5 52.0 78.0

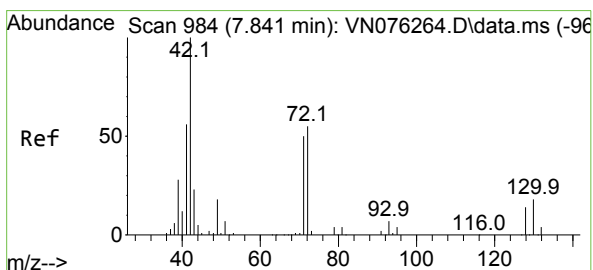
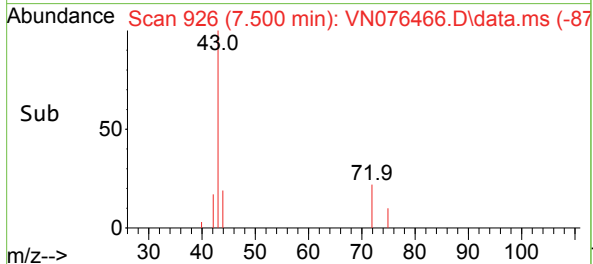
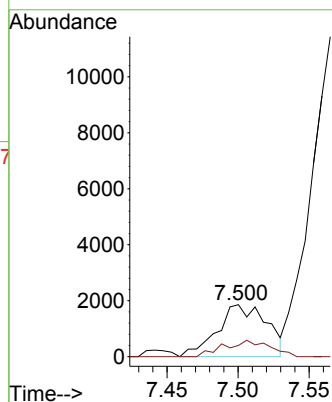
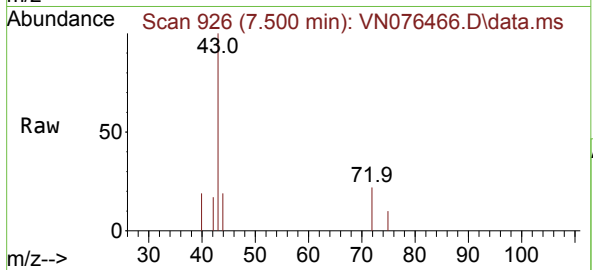




#25
2-Butanone
Concen: 2.075 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

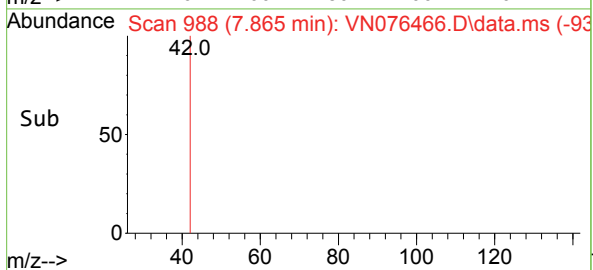
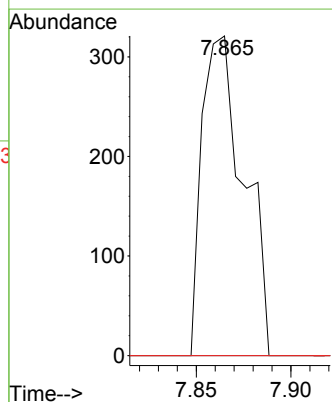
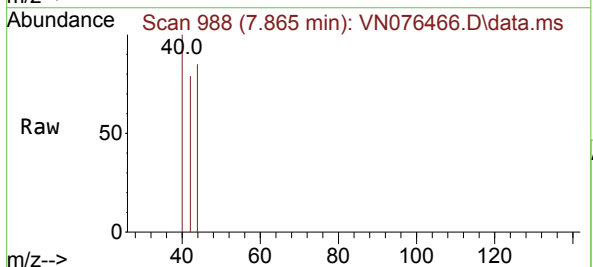
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MSVOA_N
ClientSampleId :

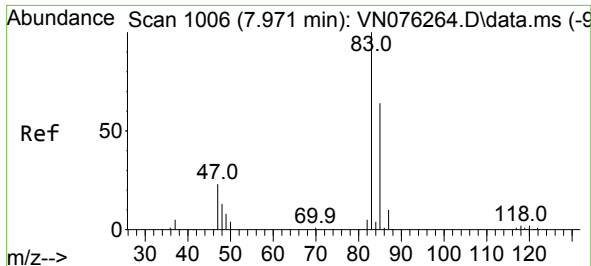
Tgt Ion: 43 Resp: 4505
Ion Ratio Lower Upper
43 100
72 21.5 27.4 41.2#



#29
Tetrahydrofuran
Concen: 0.369 ug/l
RT: 7.865 min Scan# 988
Delta R.T. 0.024 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion: 42 Resp: 494
Ion Ratio Lower Upper
42 100
72 0.0 44.0 66.0#
71 0.0 41.1 61.7#

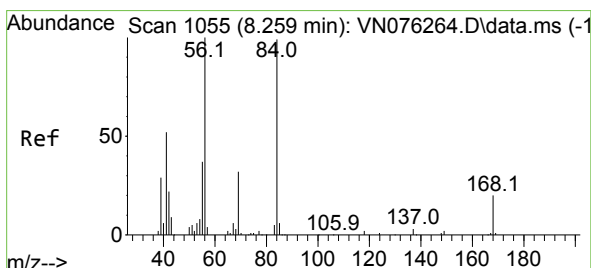
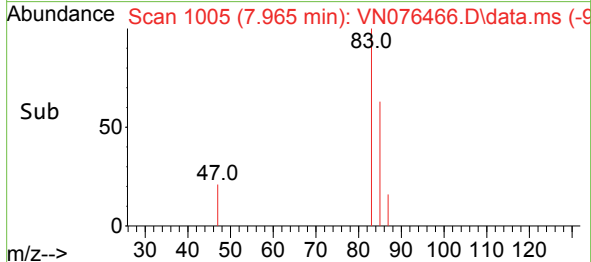
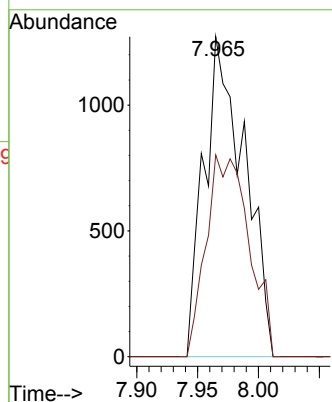
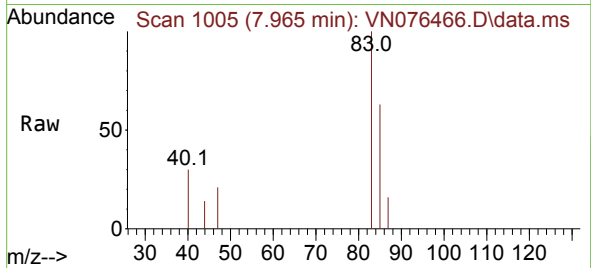




#30
Chloroform
Concen: 0.381 ug/l
RT: 7.965 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

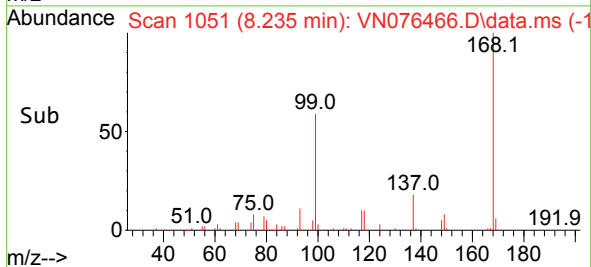
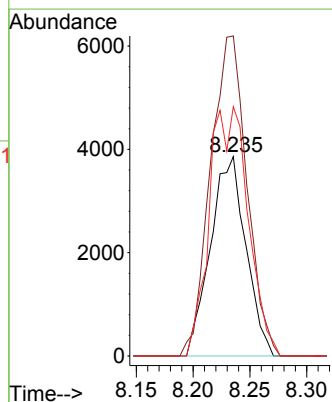
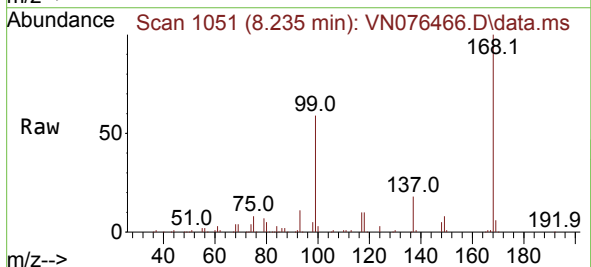
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ClientSampleId :

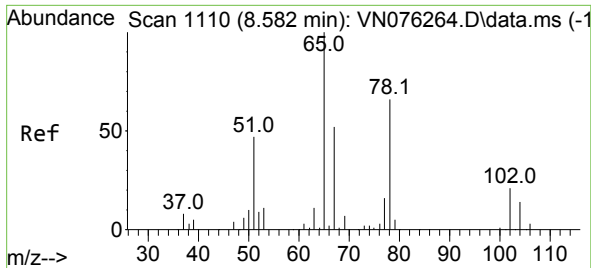
Tgt Ion: 83 Resp: 2932
Ion Ratio Lower Upper
83 100
85 63.1 51.0 76.6



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion: 56 Resp: 8351
Ion Ratio Lower Upper
56 100
69 160.5 25.8 38.8#
84 131.9 79.0 118.4#

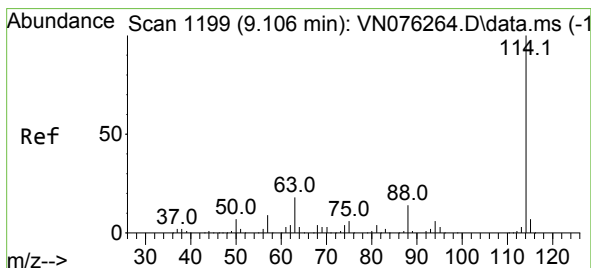
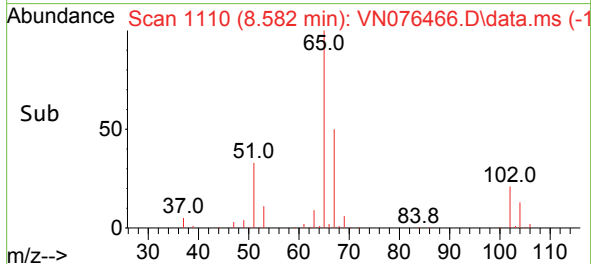
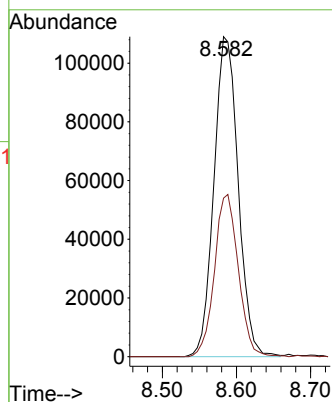
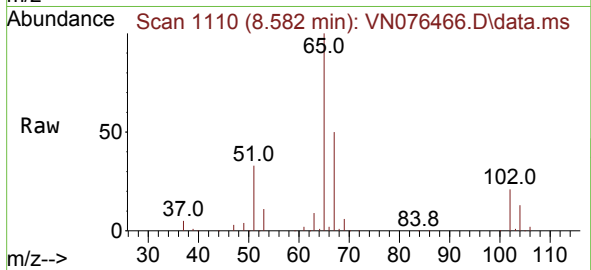




#33
 1,2-Dichloroethane-d4
 Concen: 55.913 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN076466.D
 Acq: 30 Jan 2023 18:53

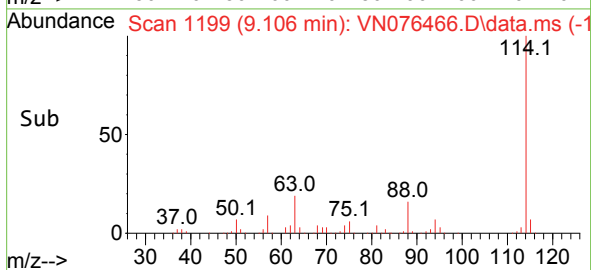
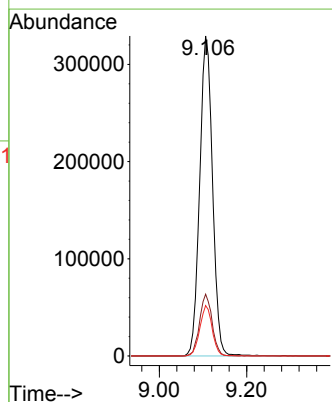
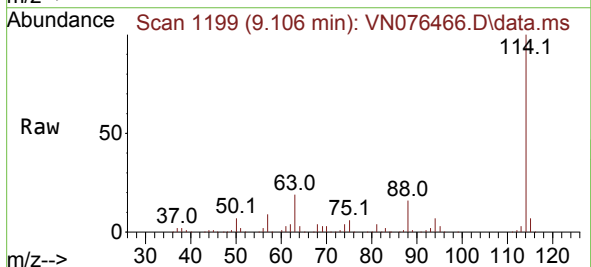
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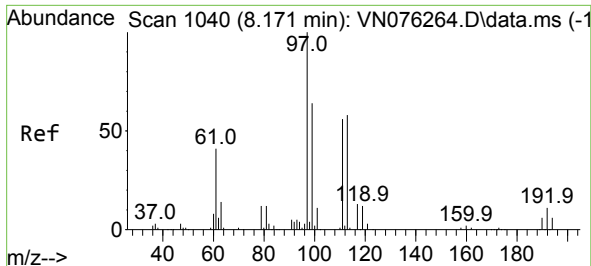
Tgt Ion: 65 Resp: 247928
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN076466.D
 Acq: 30 Jan 2023 18:53

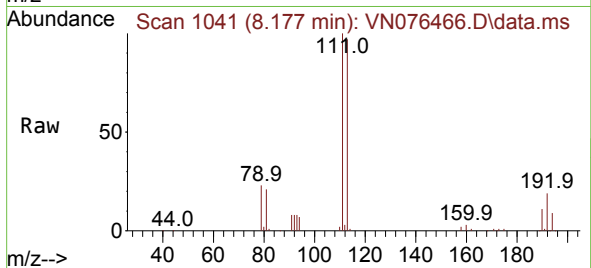
Tgt Ion: 114 Resp: 674153
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 35.8
 88 15.7 0.0 28.0



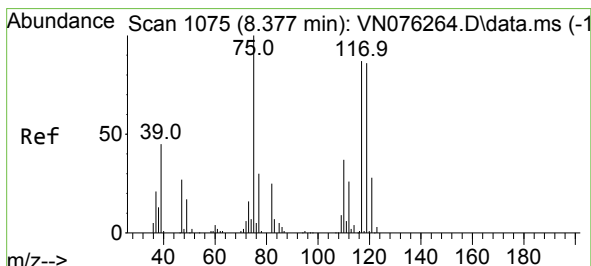
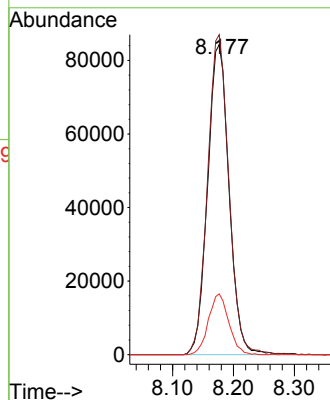
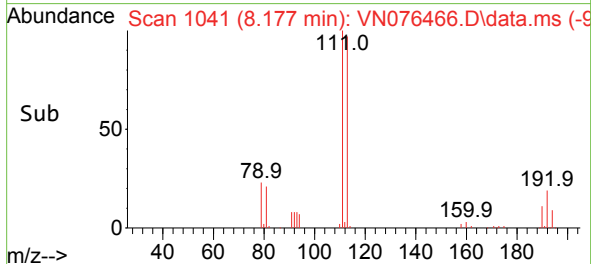


#35
Dibromofluoromethane
Concen: 48.826 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Instrument :
MSVOA_N
ClientSampleId :

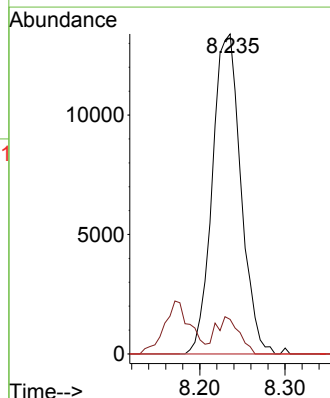
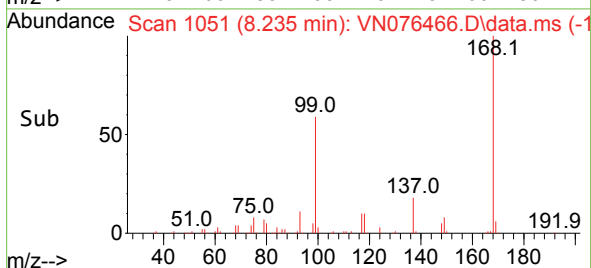
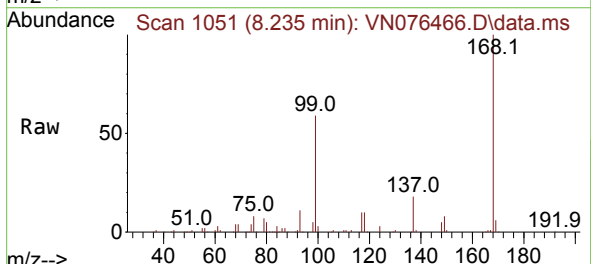


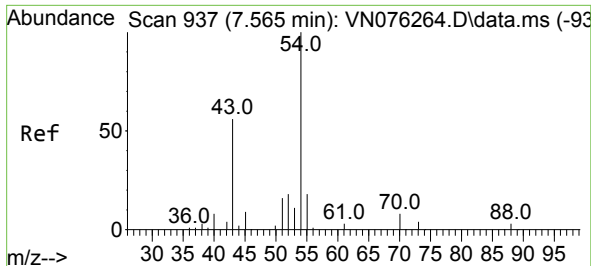
Tgt Ion:113 Resp: 205904
Ion Ratio Lower Upper
113 100
111 102.6 82.7 124.1
192 18.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.195 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.142 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

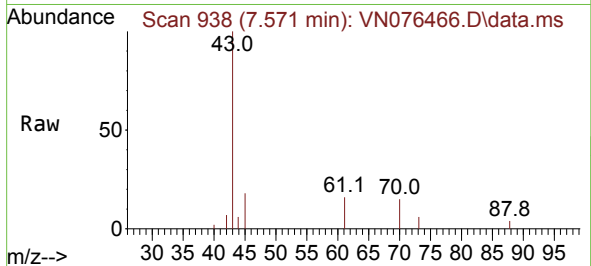
Tgt Ion: 75 Resp: 31133
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.3#
77 0.0 25.0 37.4#



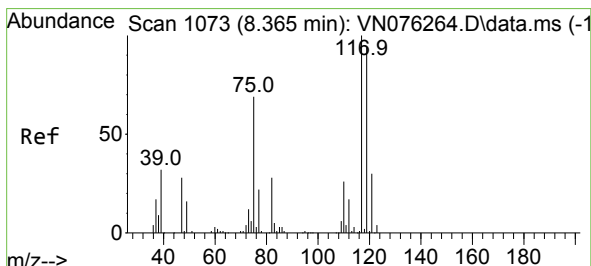
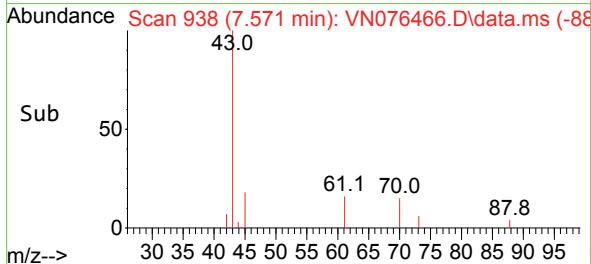
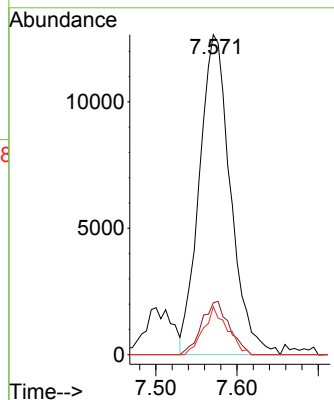


#37
Ethyl Acetate
Concen: 7.046 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Instrument :
MSVOA_N
ClientSampleId :

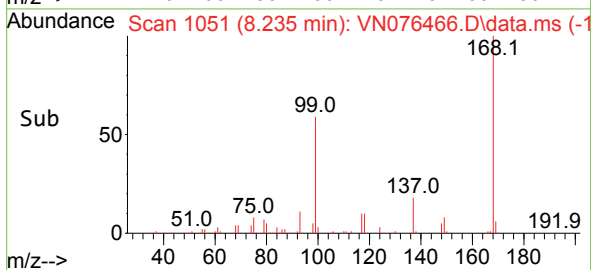
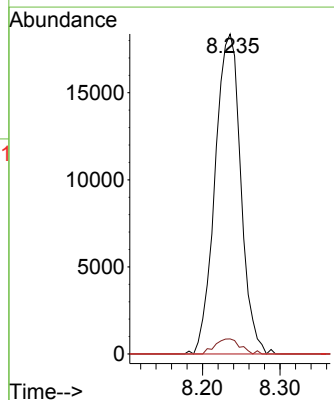
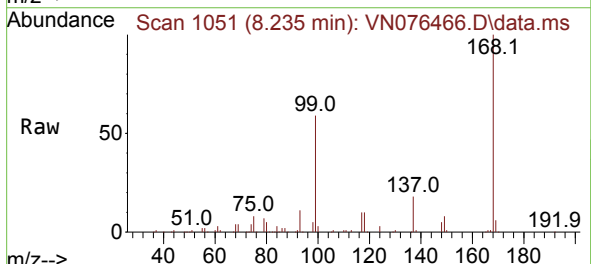


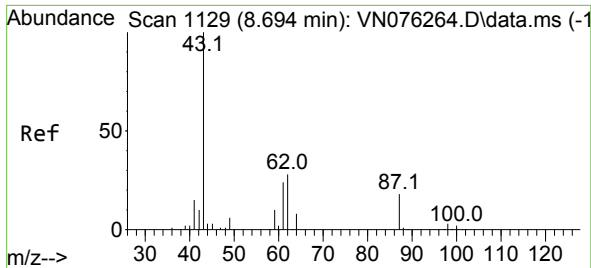
Tgt Ion: 43 Resp: 33715
Ion Ratio Lower Upper
43 100
61 14.7 11.1 16.7
70 11.5 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.340 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

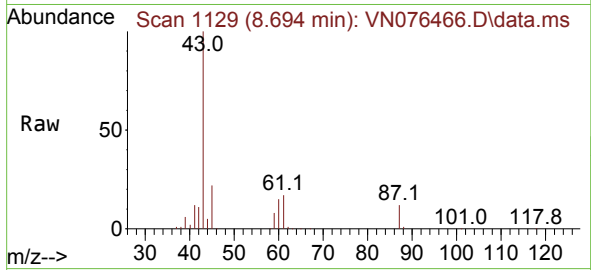
Tgt Ion: 117 Resp: 42369
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.0#
121 0.0 24.2 36.2#



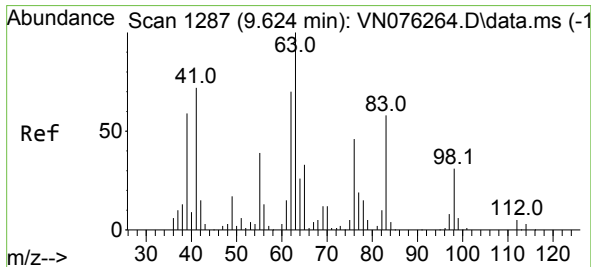
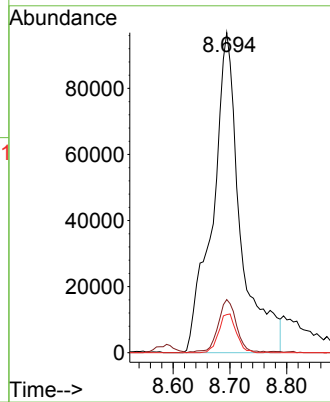
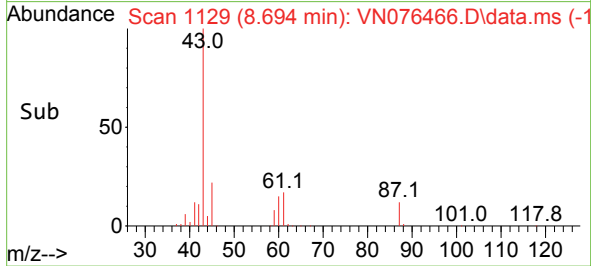


#43
Isopropyl Acetate
Concen: 42.083 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Instrument :
MSVOA_N
ClientSampleId :

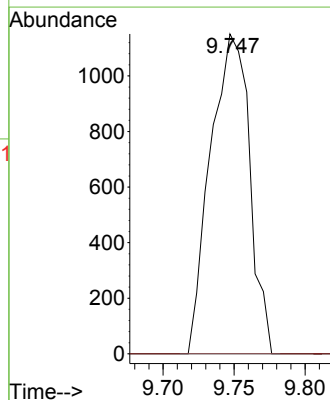
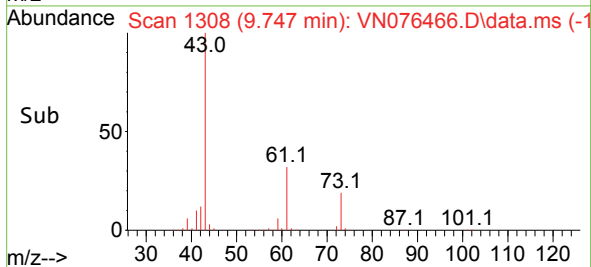
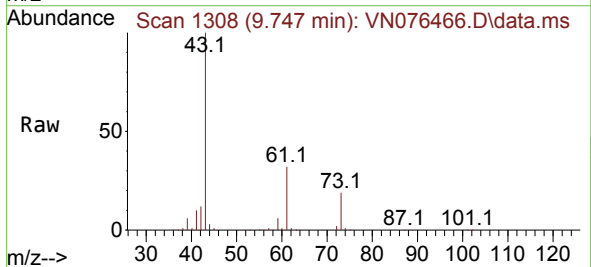


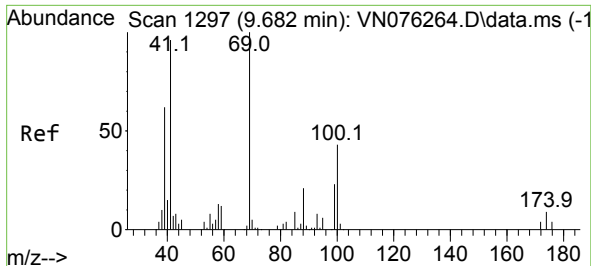
Tgt Ion: 43 Resp: 329053
Ion Ratio Lower Upper
43 100
61 11.1 23.5 35.3#
87 7.6 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.515 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion: 63 Resp: 2208
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

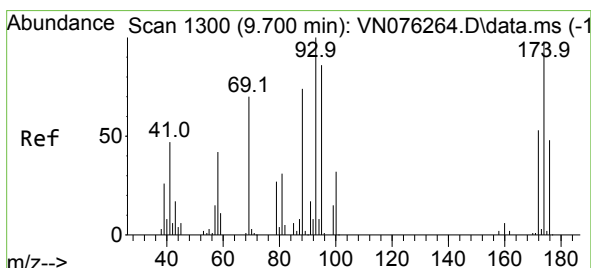
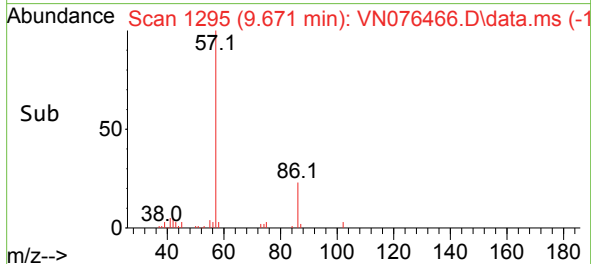
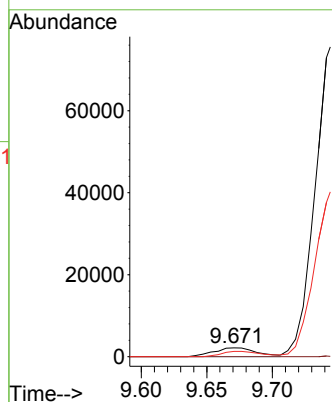
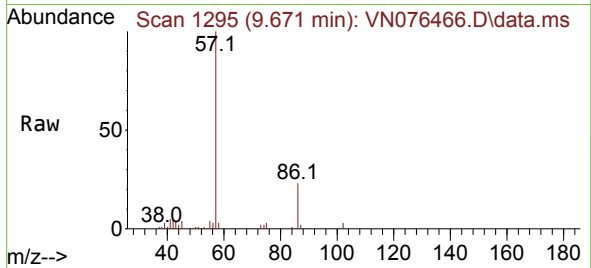




#48
Methyl methacrylate
Concen: 1.327 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

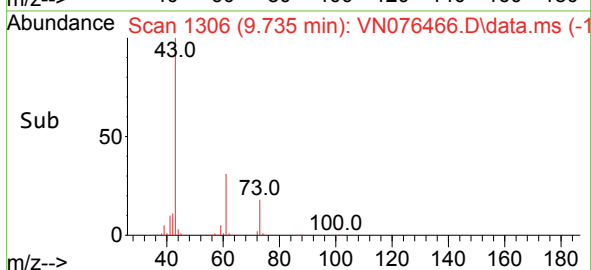
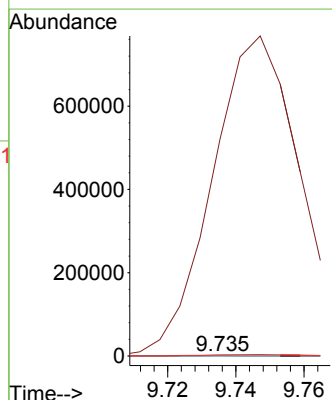
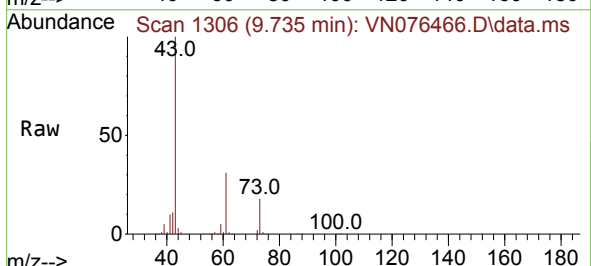
Instrument :
MSVOA_N
ClientSampleId :

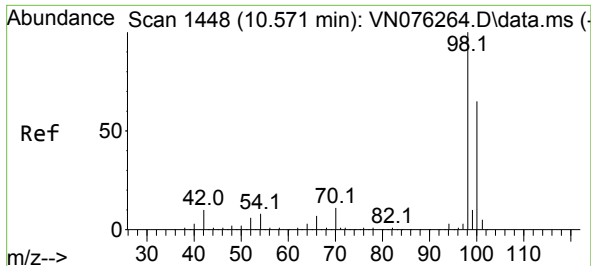
Tgt Ion: 41 Resp: 4914
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 52.6 54.4 81.6#



#49
1,4-Dioxane
Concen: 1.690 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.035 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 1066999.2 18.1 27.1#
58 5155.3 46.5 69.7#

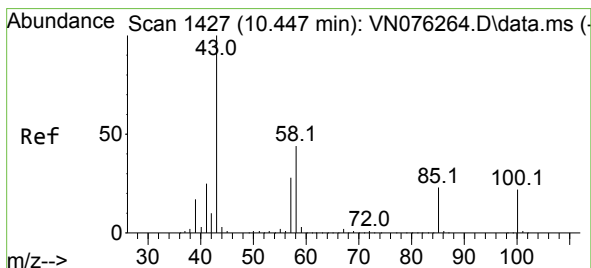
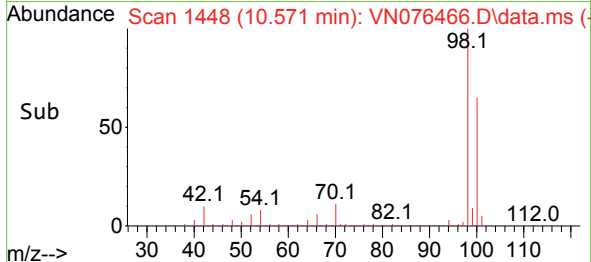
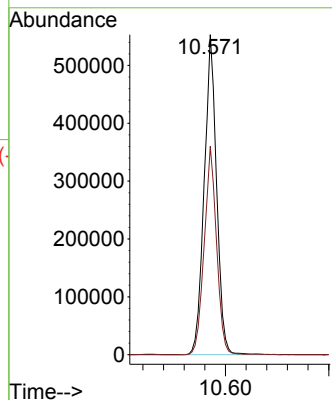
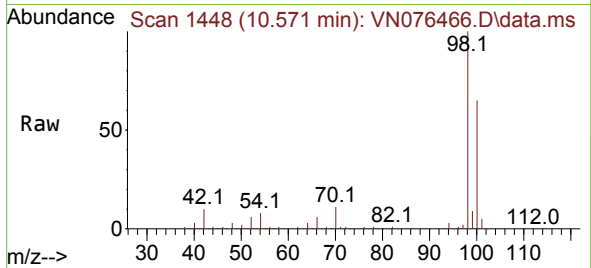




#50
Toluene-d8
Concen: 59.088 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

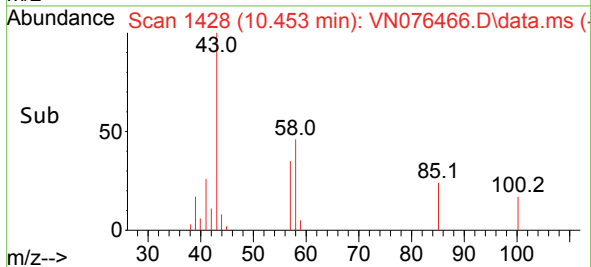
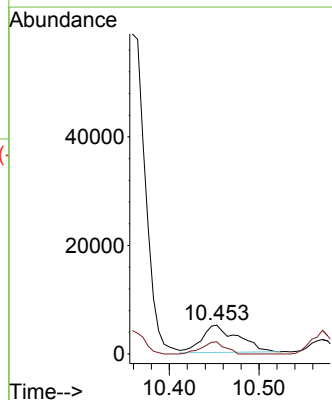
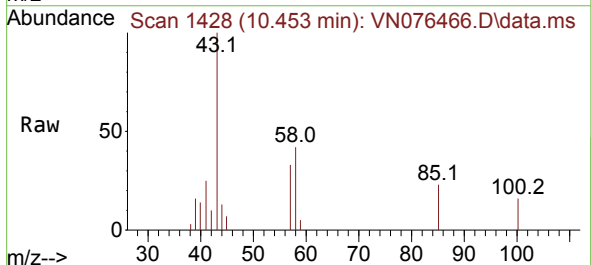
Instrument :
MSVOA_N
ClientSampleId :

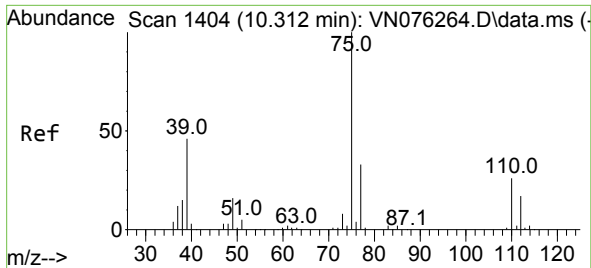
Tgt Ion: 98 Resp: 920255
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.057 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion: 43 Resp: 14030
Ion Ratio Lower Upper
43 100
58 28.9 35.1 52.7#

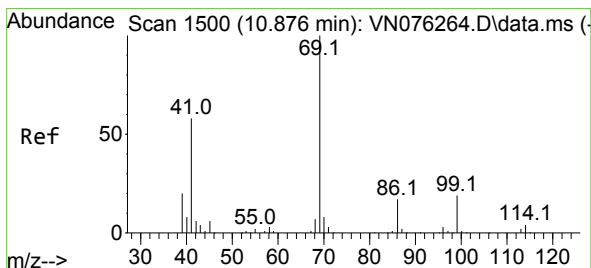
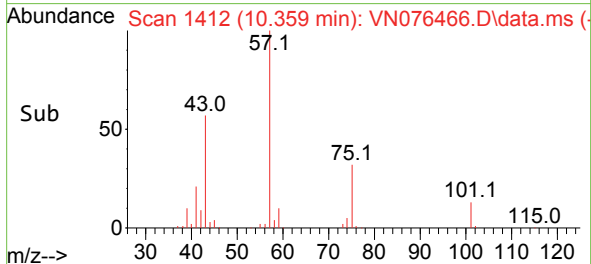
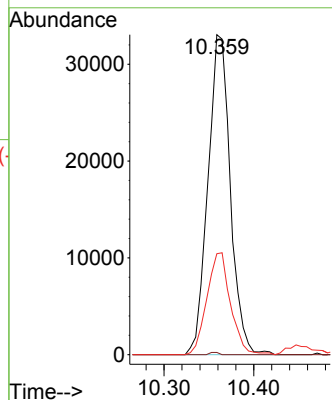
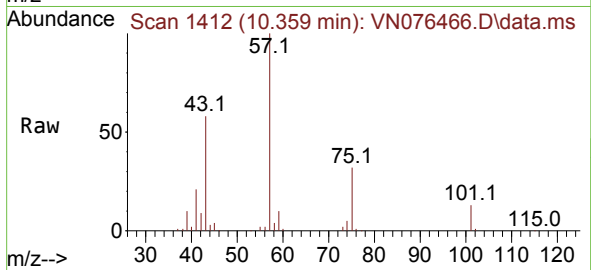




#54
 cis-1,3-Dichloropropene
 Concen: 8.307 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076466.D
 Acq: 30 Jan 2023 18:53

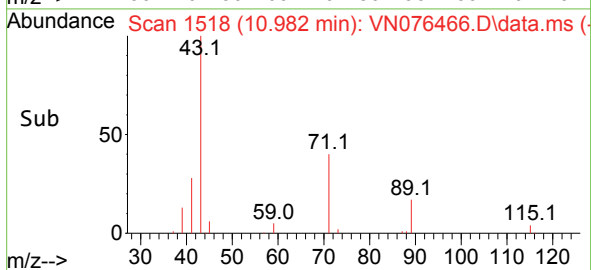
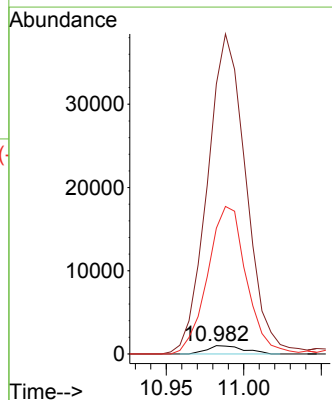
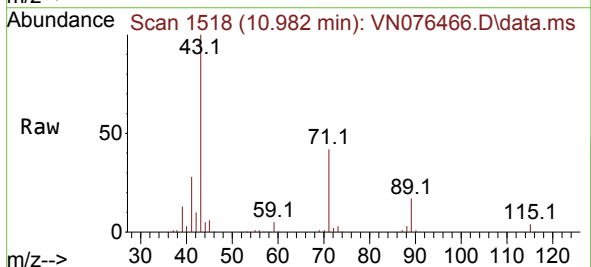
Instrument :
 MSVOA_N
 ClientSampleId :

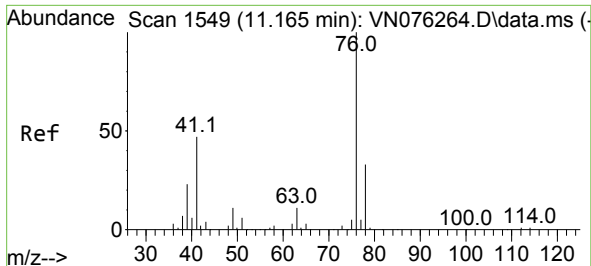
Tgt Ion: 75 Resp: 57231
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.5 39.7#
 39 31.6 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 0.277 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.106 min
 Lab File: VN076466.D
 Acq: 30 Jan 2023 18:53

Tgt Ion: 69 Resp: 1635
 Ion Ratio Lower Upper
 69 100
 41 4080.6 45.3 67.9#
 39 1882.5 29.3 43.9#





#57

1,3-Dichloropropane

Concen: 1.102 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076466.D

Acq: 30 Jan 2023 18:53

Instrument :

MSVOA_N

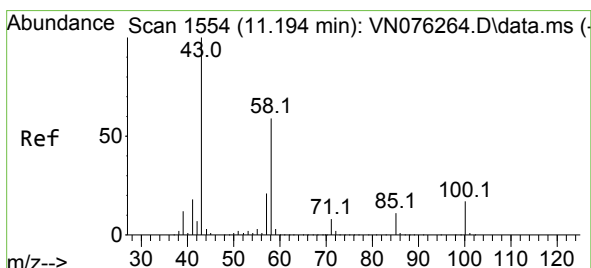
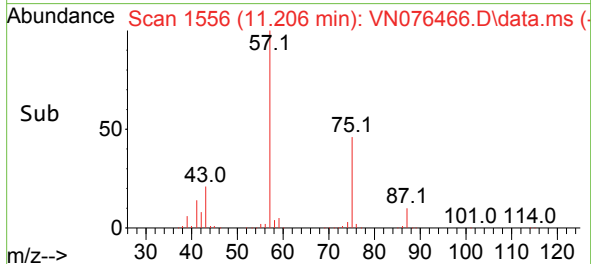
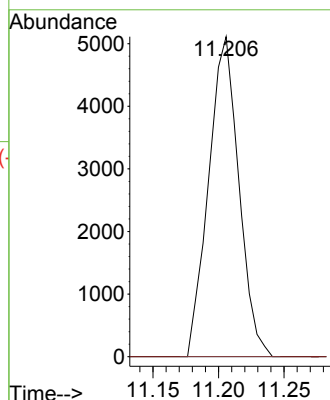
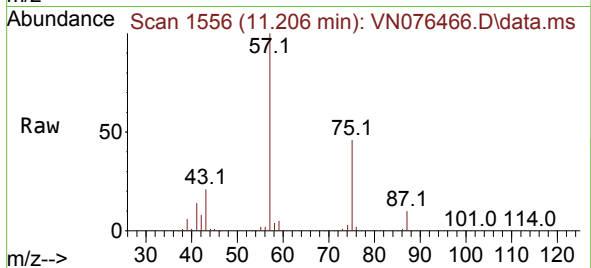
ClientSampleId :

Tgt Ion: 76 Resp: 8204

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 23.650 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.012 min

Lab File: VN076466.D

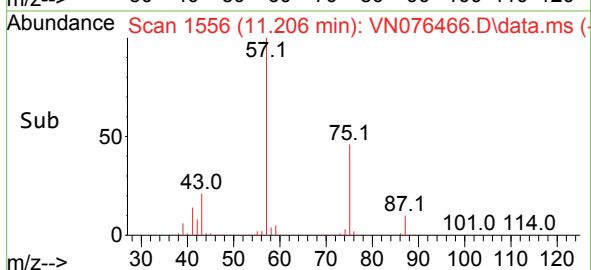
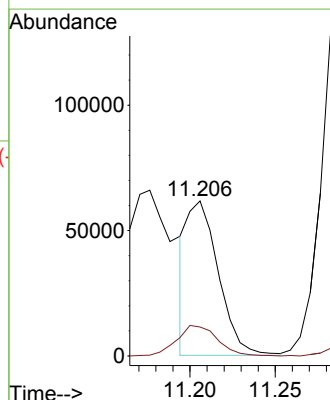
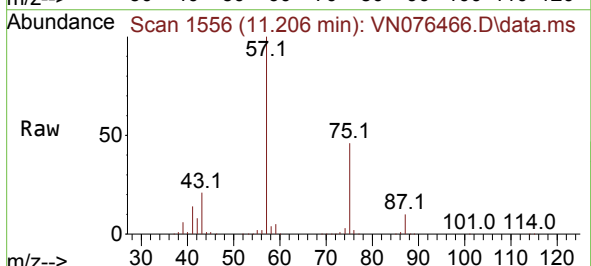
Acq: 30 Jan 2023 18:53

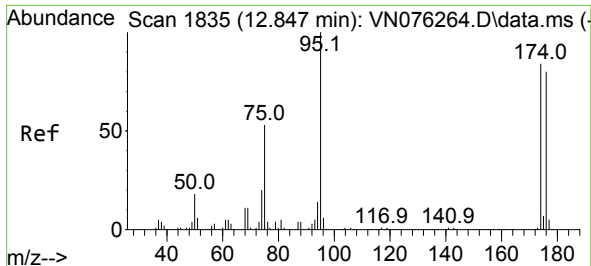
Tgt Ion: 43 Resp: 78666

Ion Ratio Lower Upper

43 100

58 25.8 30.1 90.3#

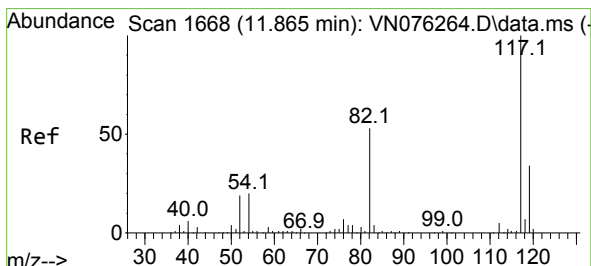
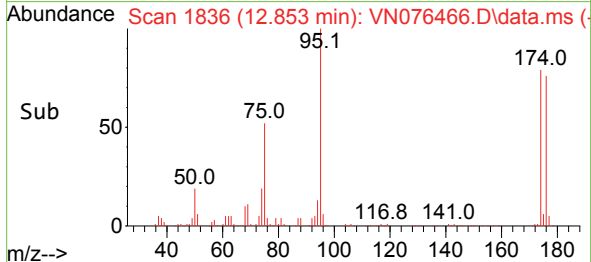
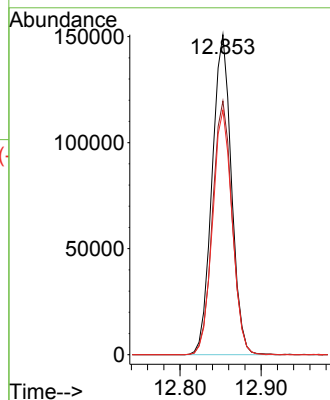
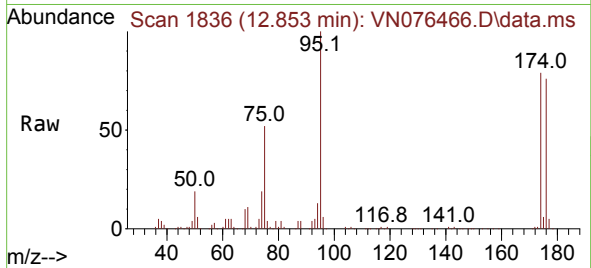




#62
4-Bromofluorobenzene
Concen: 49.103 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

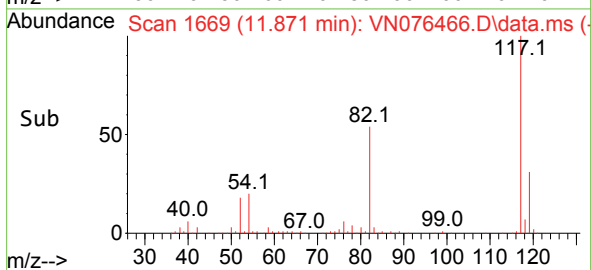
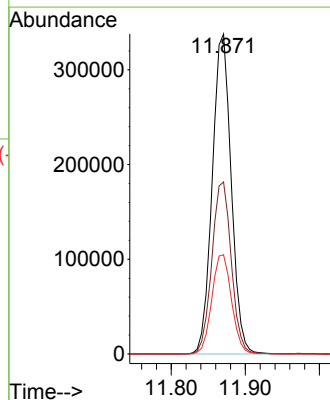
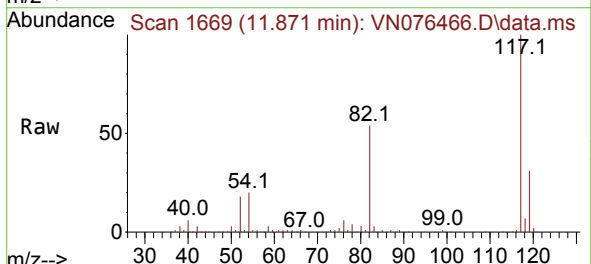
Instrument :
MSVOA_N
ClientSampleId :

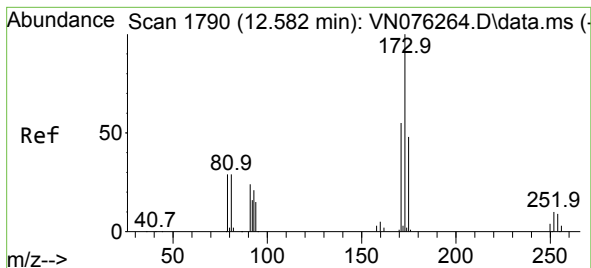
Tgt Ion: 95 Resp: 249655
Ion Ratio Lower Upper
95 100
174 80.4 0.0 174.6
176 77.4 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion: 117 Resp: 599995
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.2
119 31.0 26.9 40.3





#71

Bromoform

Concen: 0.364 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

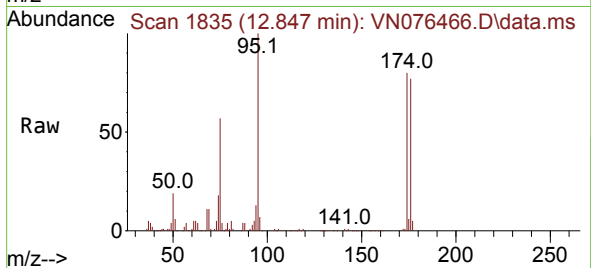
Lab File: VN076466.D

Acq: 30 Jan 2023 18:53

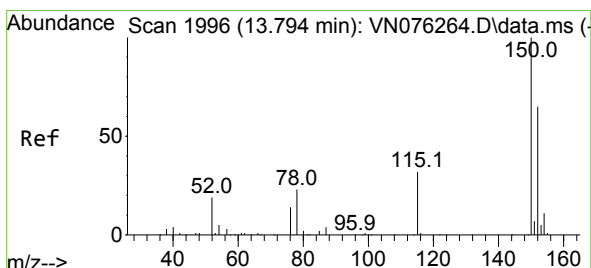
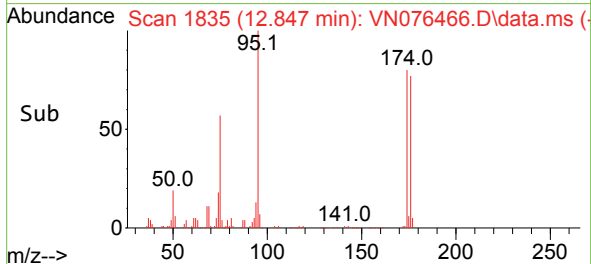
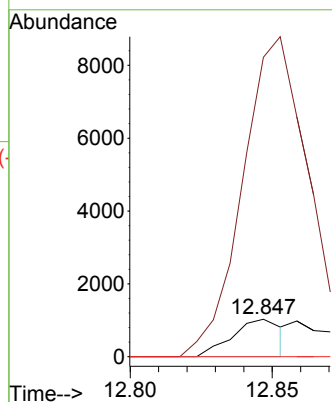
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1239
Ion Ratio	Lower	Upper	
173	100		
175	945.8	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

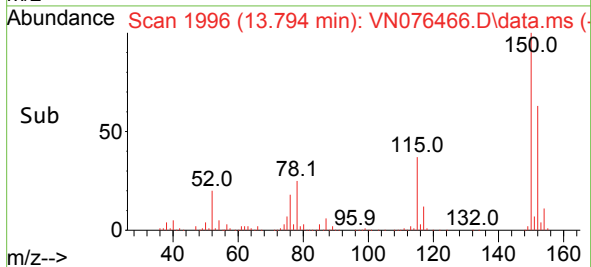
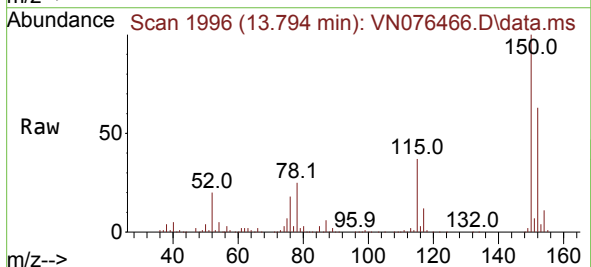
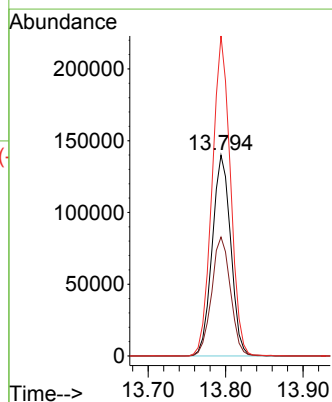
RT: 13.794 min Scan# 1996

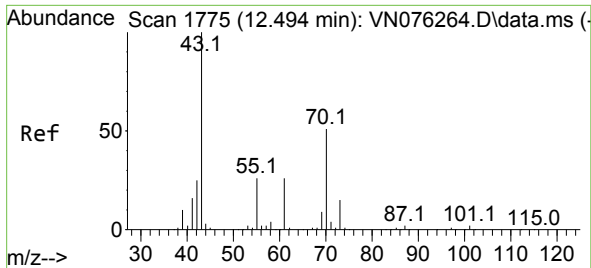
Delta R.T. -0.000 min

Lab File: VN076466.D

Acq: 30 Jan 2023 18:53

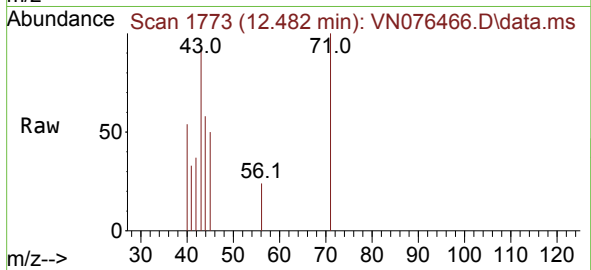
Tgt Ion:	152	Resp:	231987
Ion Ratio	Lower	Upper	
152	100		
115	60.2	29.6	88.9
150	157.5	0.0	351.4



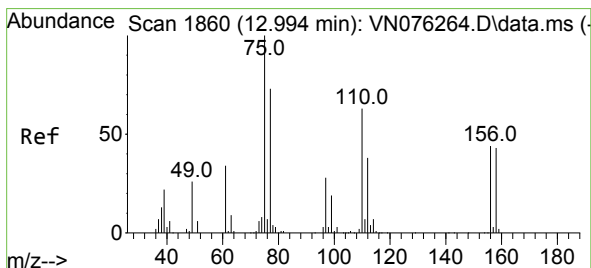
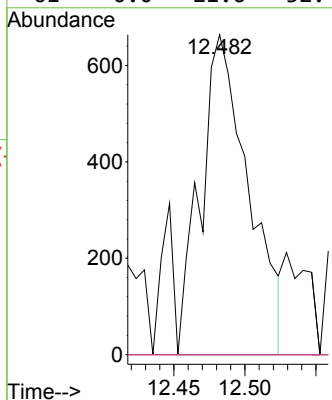


#74
N-amy1 acetate
Concen: 0.302 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Instrument :
MSVOA_N
ClientSampleId :

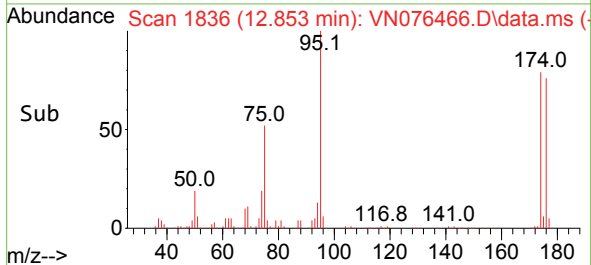
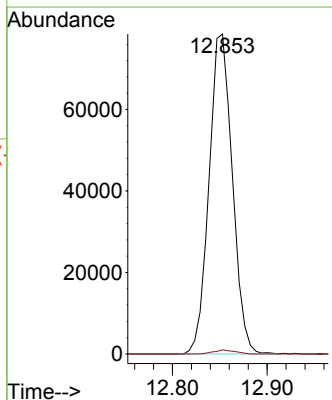
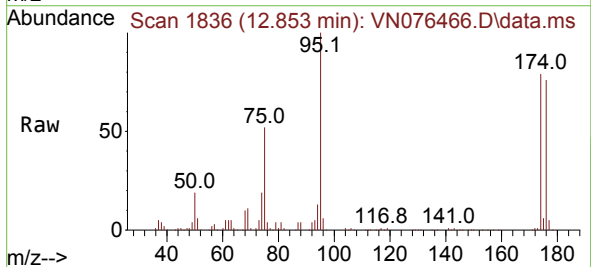


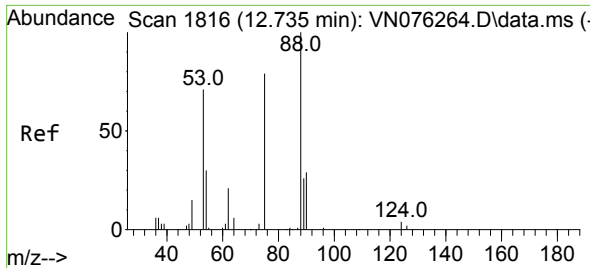
Tgt Ion:	43	Resp:	1558
Ion Ratio	100	Lower	Upper
43	100		
70	0.0	41.2	61.8#
55	0.0	21.0	31.6#
61	0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 31.395 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion:	75	Resp:	134172
Ion Ratio	100	Lower	Upper
75	100		
77	1.2	75.2	225.6#

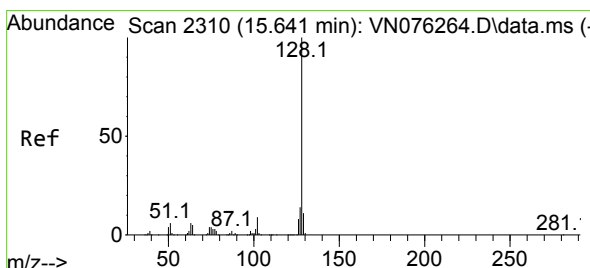
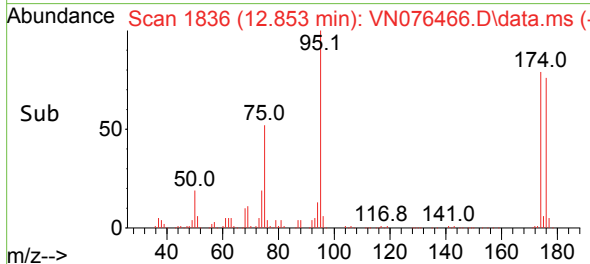
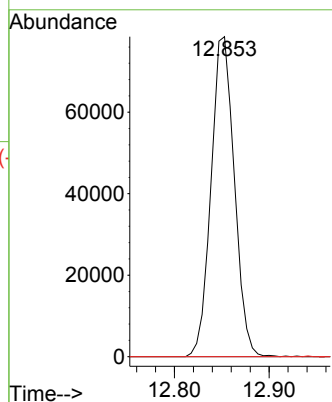
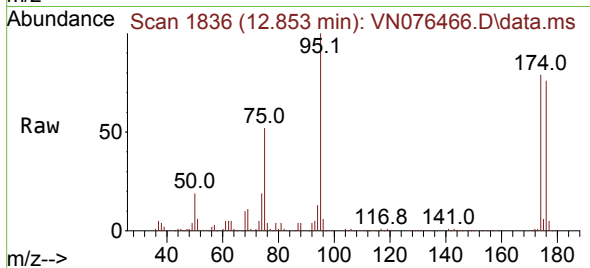




#81
trans-1,4-Dichloro-2-butene
Concen: 96.229 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 134172
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.957 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076466.D
Acq: 30 Jan 2023 18:53

Tgt Ion:128 Resp: 1481
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

