

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067558.D
 Acq On : 29 Jun 2021 17:16
 Operator : JC/MD
 Sample : PB137363TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

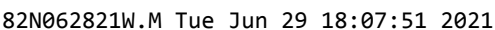
Quant Time: Jun 29 18:07:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 28 14:31:03 2021
 Response via : Initial Calibration

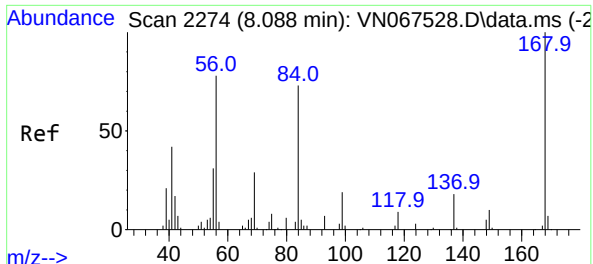
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	179221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	341800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	408743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	144535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	133585	54.462	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.920%	
35) Dibromofluoromethane	8.021	113	99056	46.743	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.480%	
50) Toluene-d8	10.443	98	490489	56.977	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 113.960%	
62) 4-Bromofluorobenzene	12.734	95	179236	59.607	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 119.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	486	0.218	ug/l #	43
13) Acrolein	4.047	56	51	2.436	ug/l #	14
16) Acetone	4.293	43	9170	11.334	ug/l	98
18) Methyl Acetate	4.865	43	1804	0.836	ug/l	91
20) Methylene Chloride	5.090	84	14564	6.683	ug/l	90
25) 2-Butanone	7.354	43	3008	2.411	ug/l	92
29) Tetrahydrofuran	7.705	42	635	0.764	ug/l #	38
31) Cyclohexane	8.088	56	5041	Below Cal	#	26
36) 1,1-Dichloropropene	8.086	75	16792	5.442	ug/l #	46
38) Carbon Tetrachloride	8.088	117	21001	6.353	ug/l #	15
41) Methacrylonitrile	7.710	41	324	0.229	ug/l #	26
43) Isopropyl Acetate	8.566	43	23988	4.956	ug/l	93
45) 1,2-Dichloropropane	9.625	63	1807	0.773	ug/l #	44
48) Methyl methacrylate	9.545	41	5780	2.727	ug/l #	12
51) 4-Methyl-2-Pentanone	10.336	43	3690	1.264	ug/l #	68
54) cis-1,3-Dichloropropene	10.245	75	43965	11.770	ug/l #	57
56) Ethyl methacrylate	10.974	69	767	0.213	ug/l #	1
57) 1,3-Dichloropropane	11.095	76	29631	7.685	ug/l #	43
59) 2-Hexanone	11.095	43	402400	195.182	ug/l #	56
60) Dibromochloromethane	11.494	129	298	2.511	ug/l #	11
71) Bromoform	12.725	173	427	3.616	ug/l #	1
74) N-amyl acetate	12.353	43	803	0.201	ug/l #	47
76) 1,2,3-Trichloropropane	12.734	75	97285	33.581	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.058	105	2313	0.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.734	75	97285	96.546	ug/l #	6
95) Naphthalene	15.504	128	1740	3.412	ug/l #	76

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

Quant Time: Jun 29 18:07:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 28 14:31:03 2021
Response via : Initial Calibration

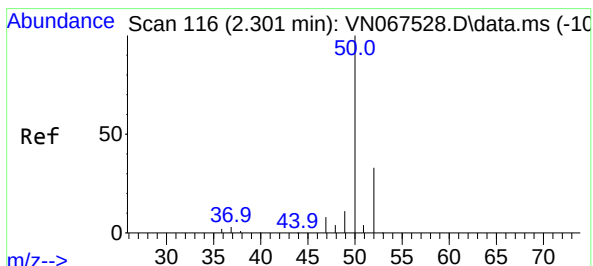
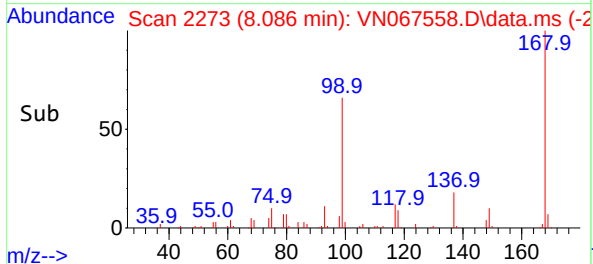
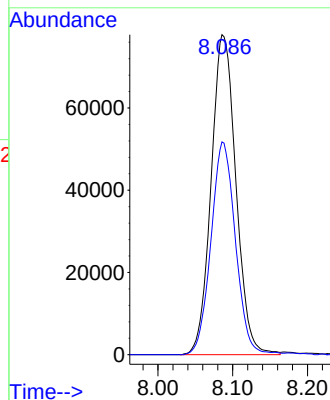
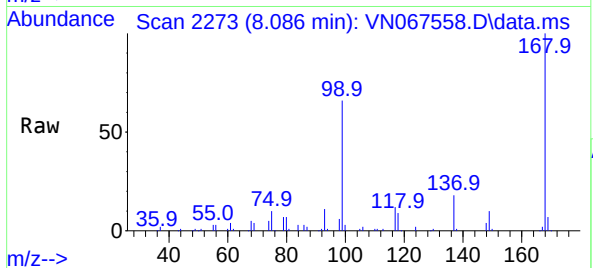




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.002 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

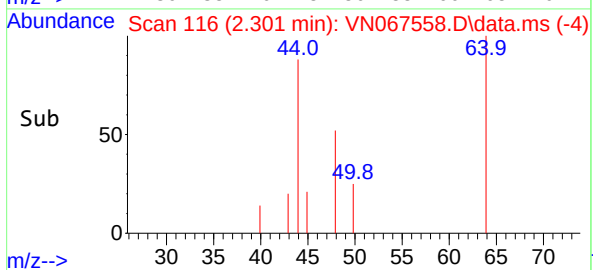
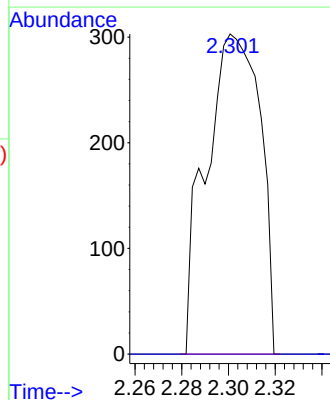
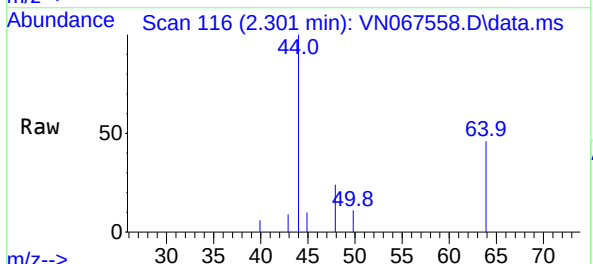
Instrument :
MSVOA_N
ClientSampleId :

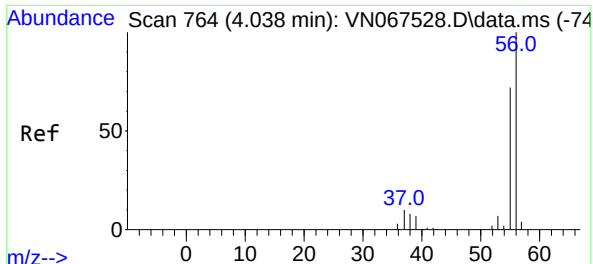
Tgt Ion:168 Resp: 179221
Ion Ratio Lower Upper
168 100
99 66.5 62.9 94.3



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 50 Resp: 486
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

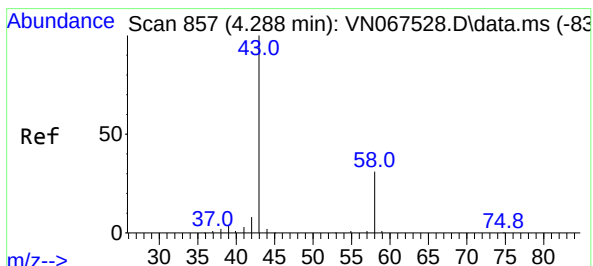
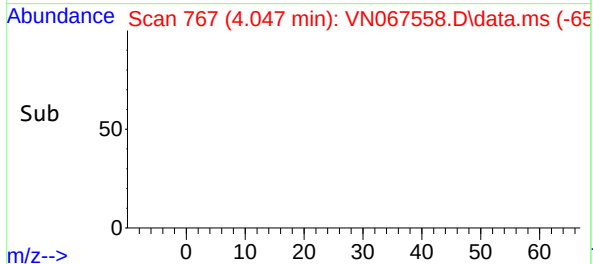
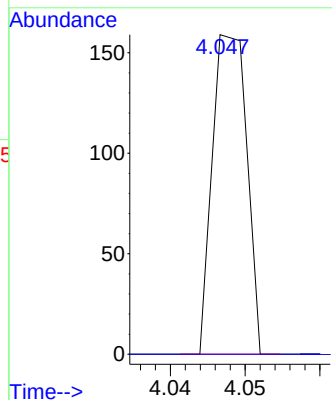
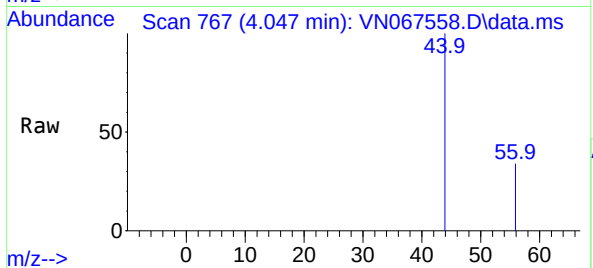




#13
Acrolein
Concen: 2.436 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.009 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

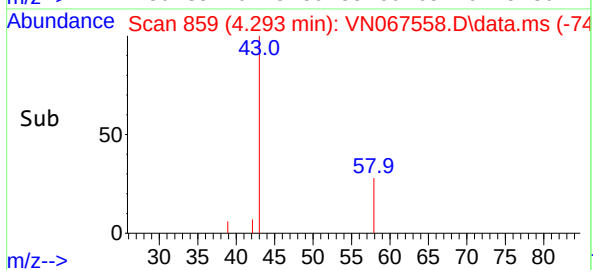
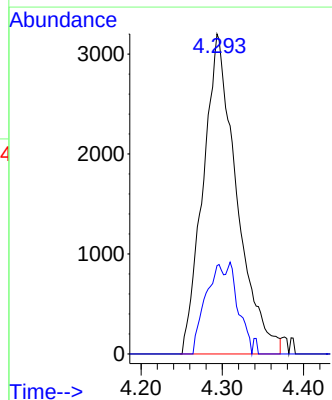
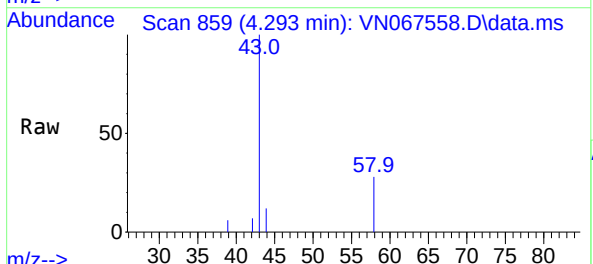
Instrument :
MSVOA_N
ClientSampled :

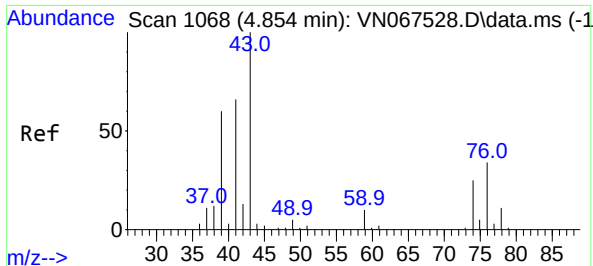
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 11.334 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 43 Resp: 9170
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8

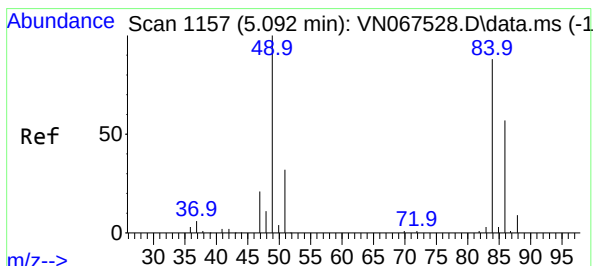
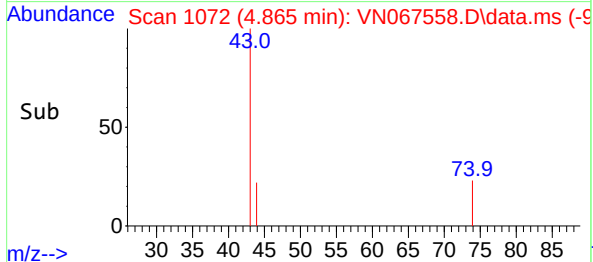
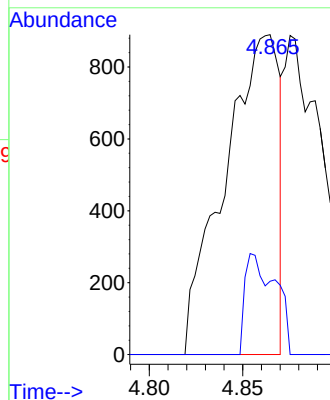
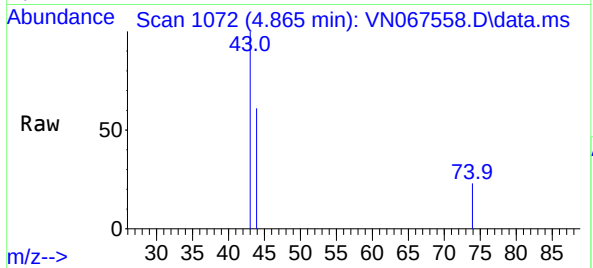




#18
Methyl Acetate
Concen: 0.836 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

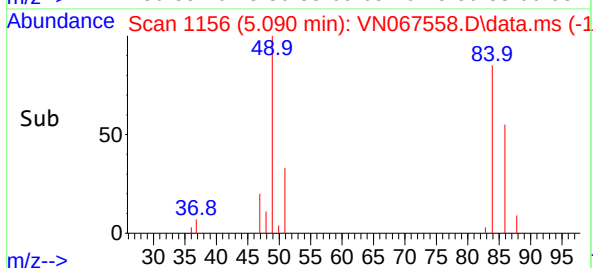
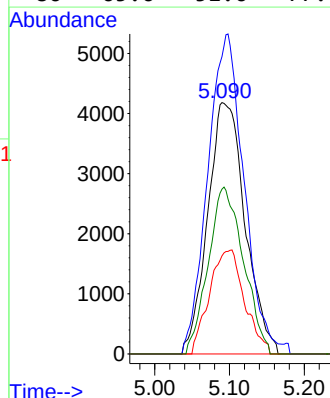
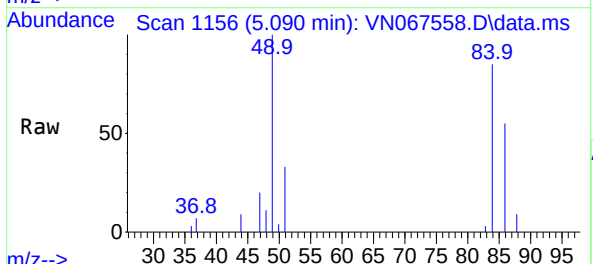
Instrument :
MSVOA_N
ClientSampled :

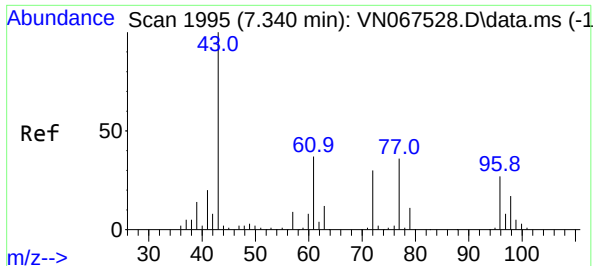
Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
74 17.4 17.4 26.0



#20
Methylene Chloride
Concen: 6.683 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.002 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 84 Resp: 14564
Ion Ratio Lower Upper
84 100
49 118.2 110.9 166.3
51 39.0 32.6 49.0
86 65.6 51.6 77.4

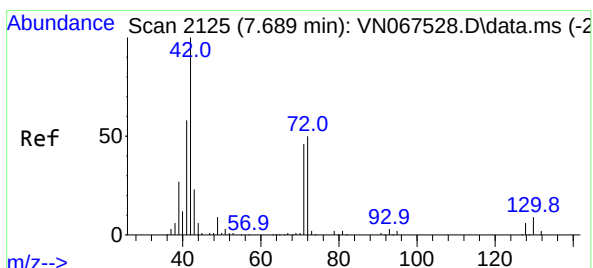
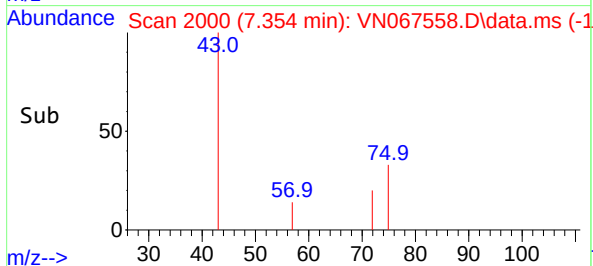
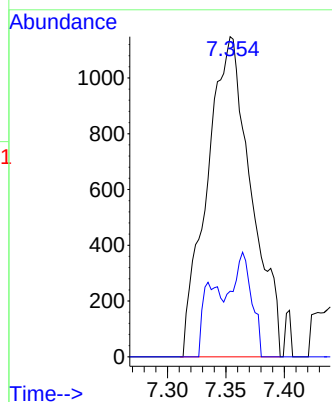
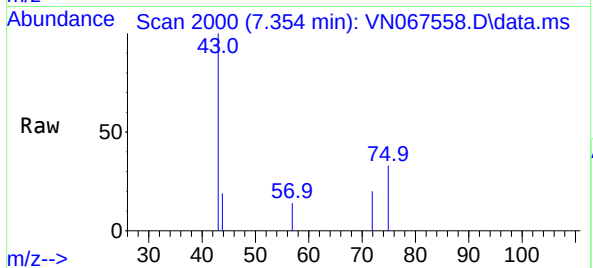




#25
2-Butanone
Concen: 2.411 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.014 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

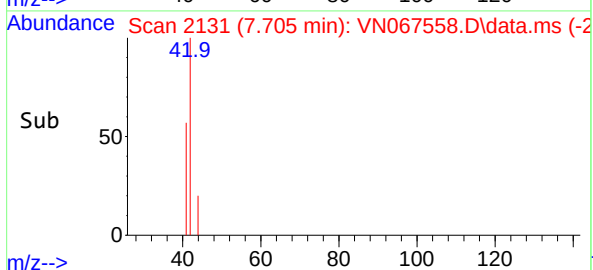
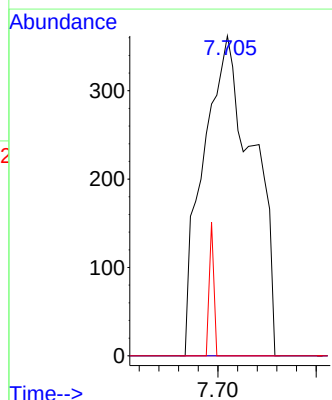
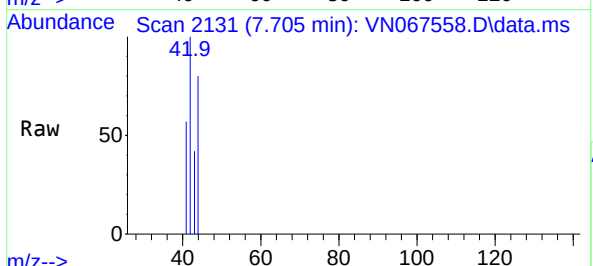
Instrument :
MSVOA_N
ClientSampled :

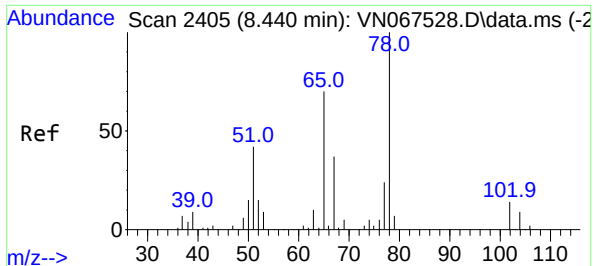
Tgt Ion: 43 Resp: 3008
Ion Ratio Lower Upper
43 100
72 20.5 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.764 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 42 Resp: 635
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 3.8 31.2 46.8#





#33

1,2-Dichloroethane-d4

Concen: 54.462 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN067558.D

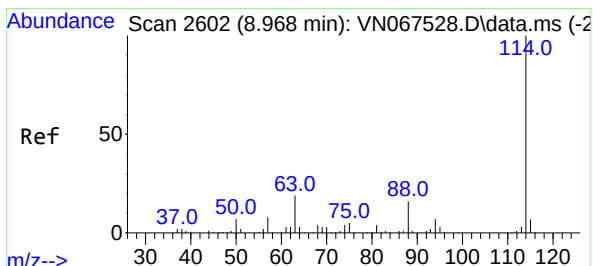
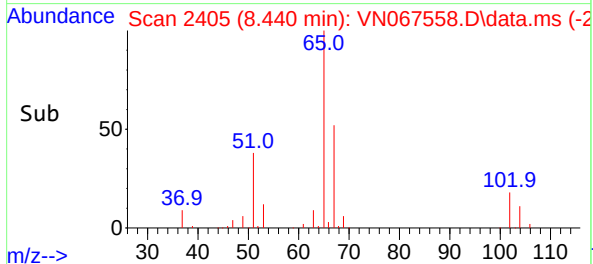
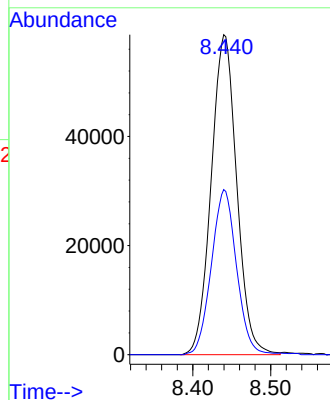
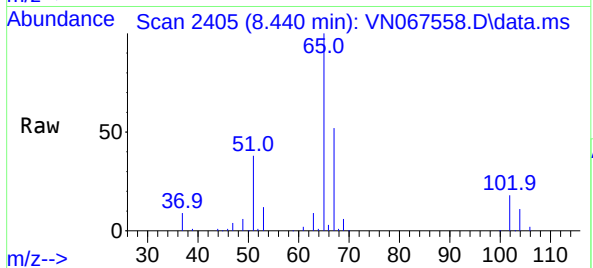
Acq: 29 Jun 2021 17:16

Tgt Ion: 65 Resp: 133585

Ion Ratio Lower Upper

65 100

67 50.6 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN067558.D

Acq: 29 Jun 2021 17:16

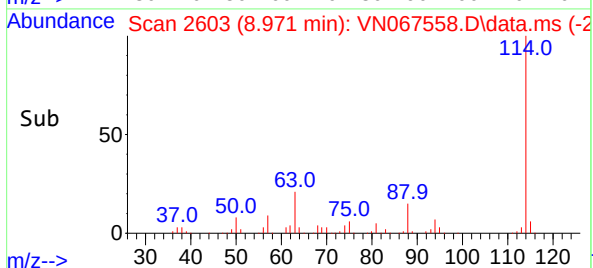
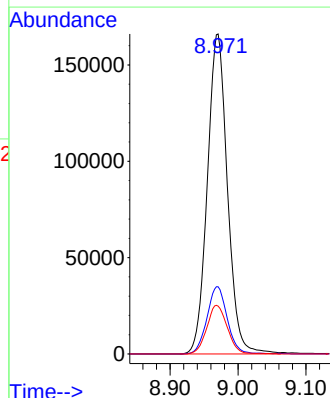
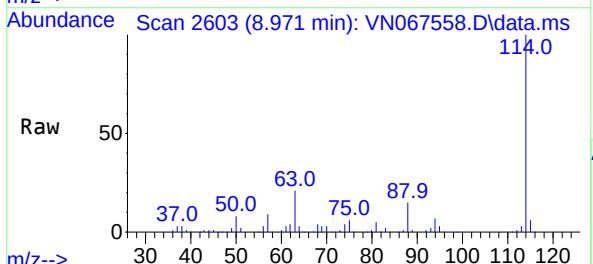
Tgt Ion: 114 Resp: 341800

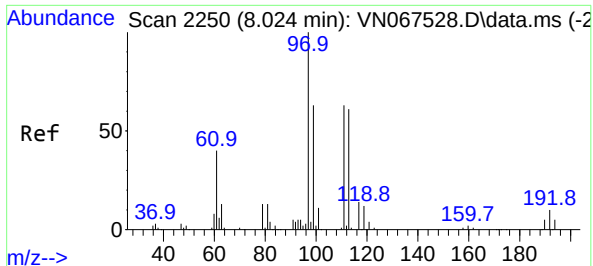
Ion Ratio Lower Upper

114 100

63 21.0 0.0 49.0

88 15.0 0.0 36.6



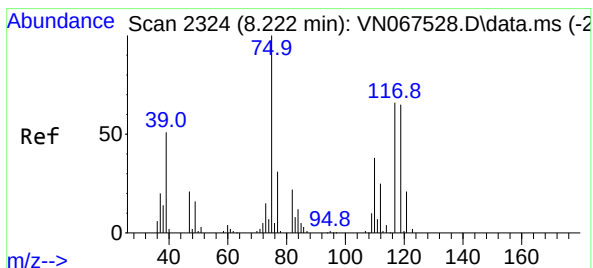
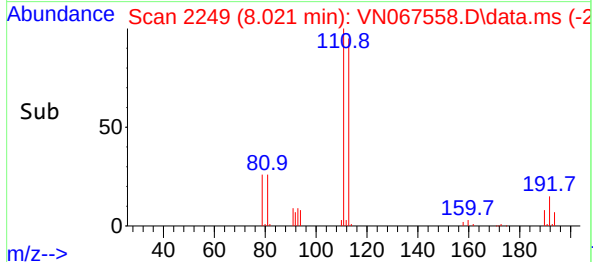
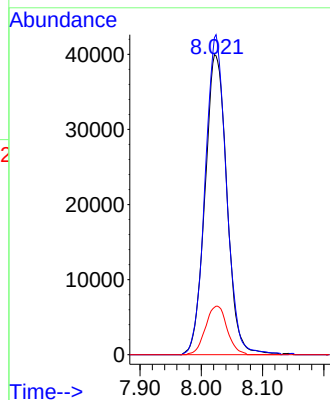
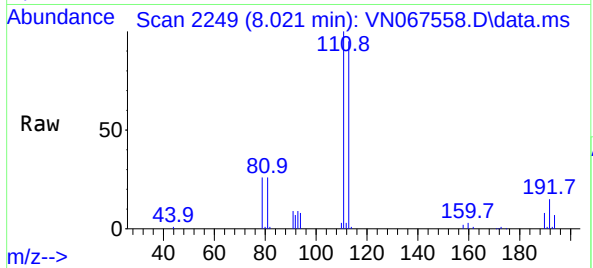


#35
 Dibromofluoromethane
 Concen: 46.743 ug/l
 RT: 8.021 min Scan# 2249
 Delta R.T. -0.003 min
 Lab File: VN067558.D
 Acq: 29 Jun 2021 17:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:113 Resp: 99056

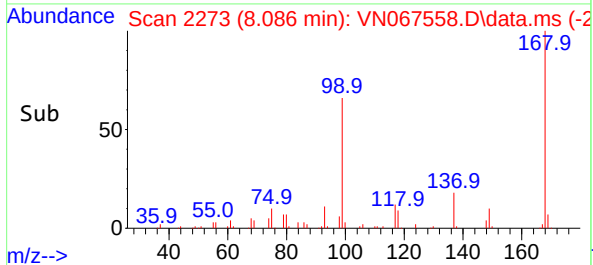
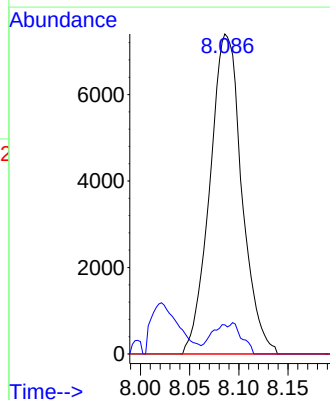
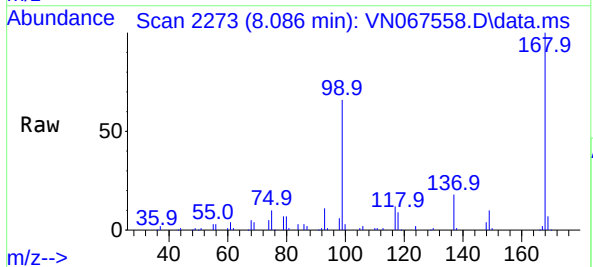
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.8	125.8
192	16.0	13.4	20.0

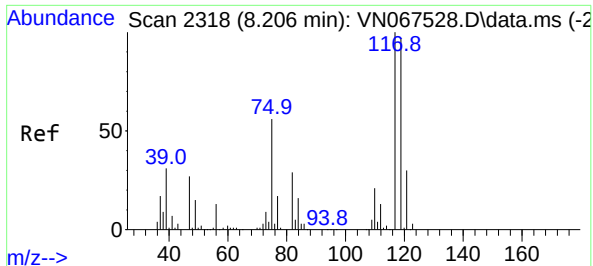


#36
 1,1-Dichloropropene
 Concen: 5.442 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN067558.D
 Acq: 29 Jun 2021 17:16

Tgt Ion: 75 Resp: 16792

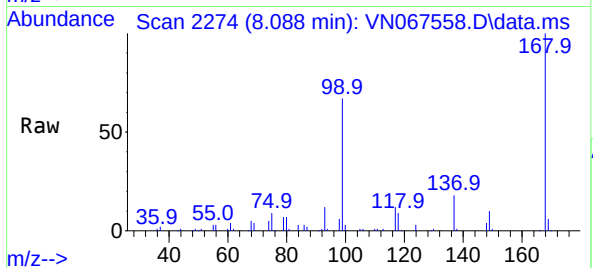
Ion	Ratio	Lower	Upper
75	100		
110	3.1	15.7	47.0#
77	0.0	24.6	37.0#



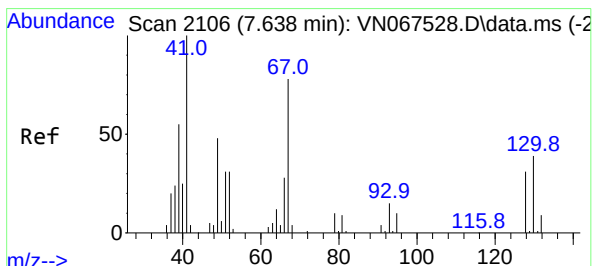
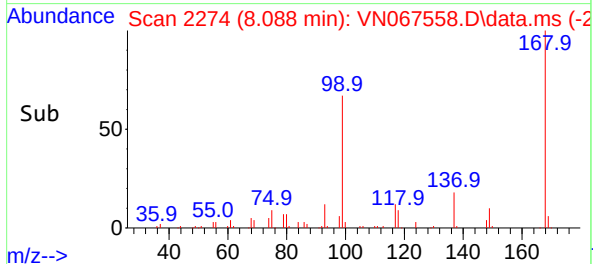
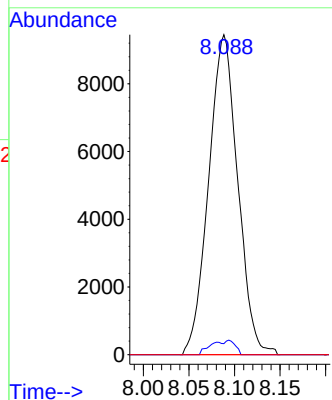


#38
Carbon Tetrachloride
Concen: 6.353 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Instrument :
MSVOA_N
ClientSampleId :

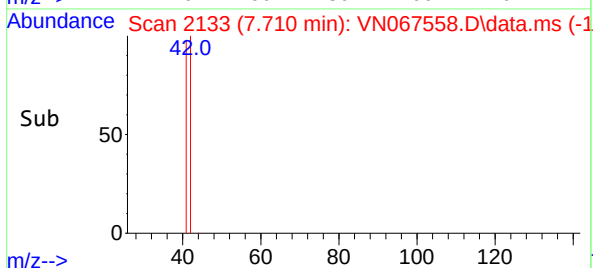
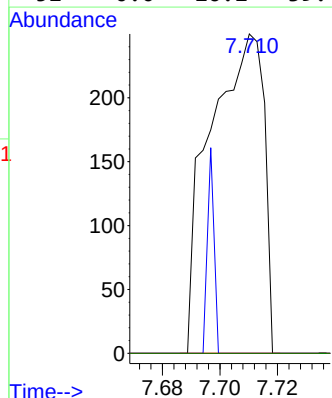
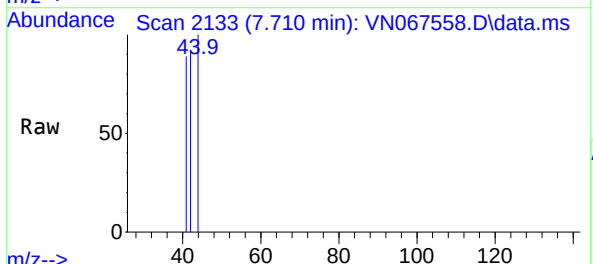


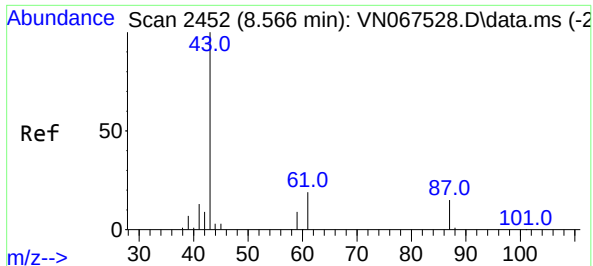
Tgt Ion:117 Resp: 21001
Ion Ratio Lower Upper
117 100
119 3.5 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.229 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.072 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 41 Resp: 324
Ion Ratio Lower Upper
41 100
39 8.0 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

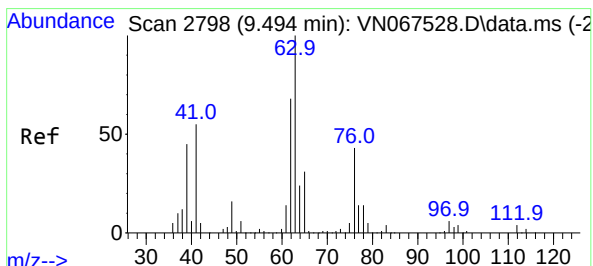
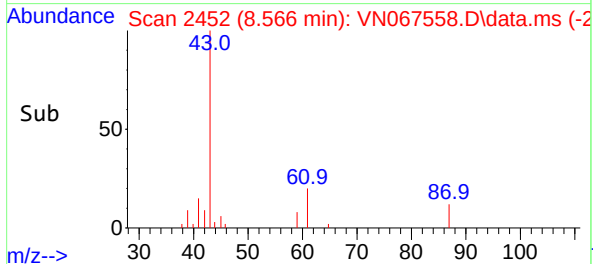
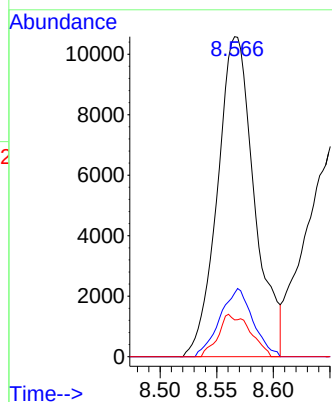
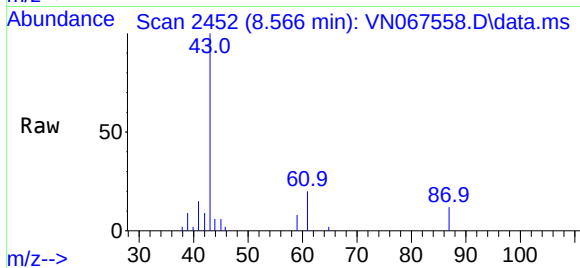




#43
Isopropyl Acetate
Concen: 4.956 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

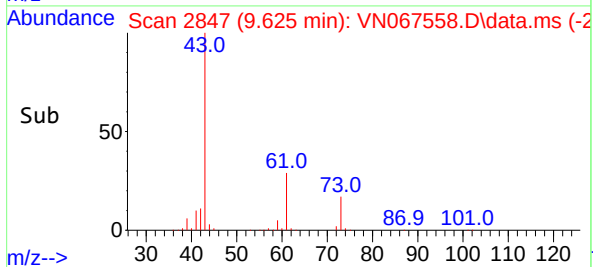
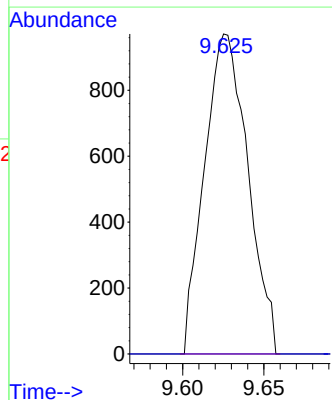
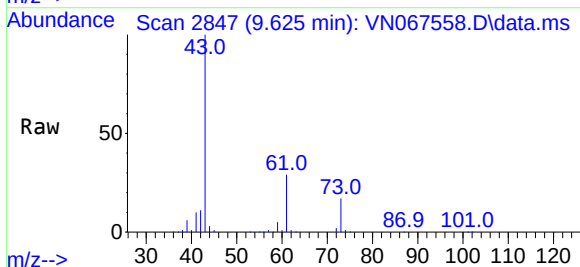
Instrument :
MSVOA_N
ClientSampleId :

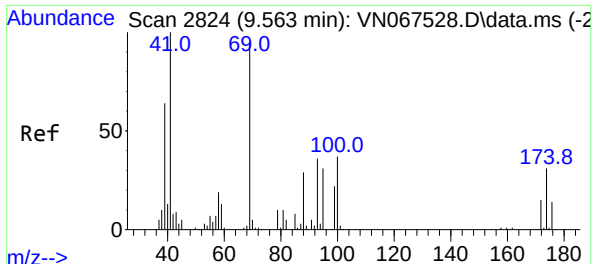
Tgt Ion: 43	Resp: 23988
Ion Ratio	Lower Upper
43 100	
61 19.0	19.0 28.4
87 11.4	9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.773 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 63	Resp: 1807		
Ion Ratio	Lower	Upper	
63 100			
65 0.0	24.3	36.5#	

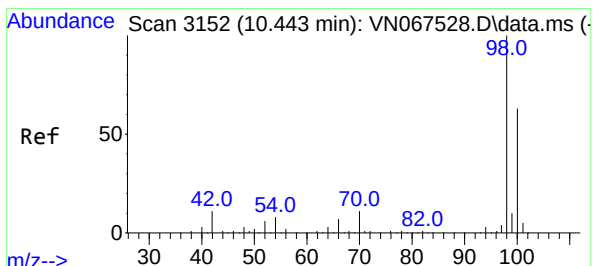
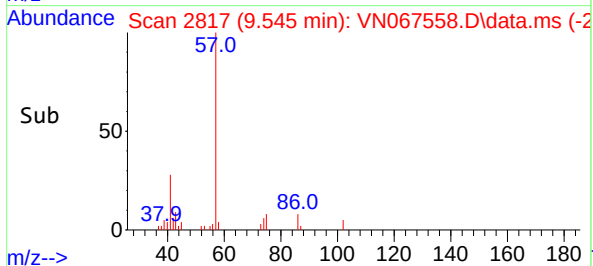
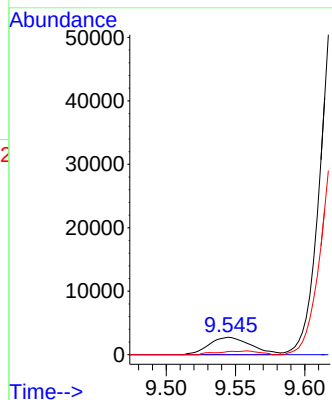
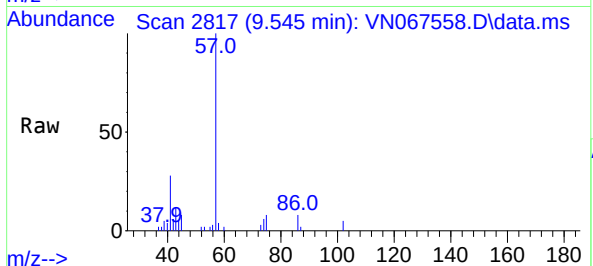




#48
Methyl methacrylate
Concen: 2.727 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.018 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

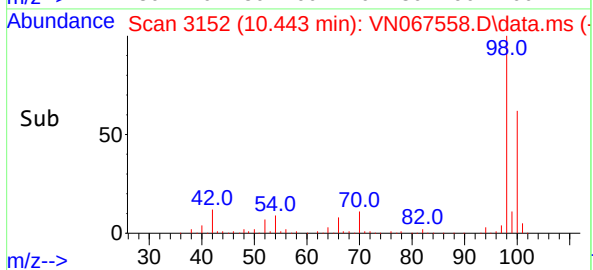
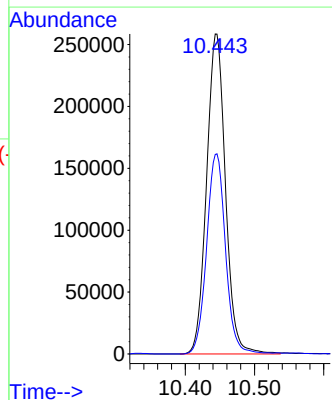
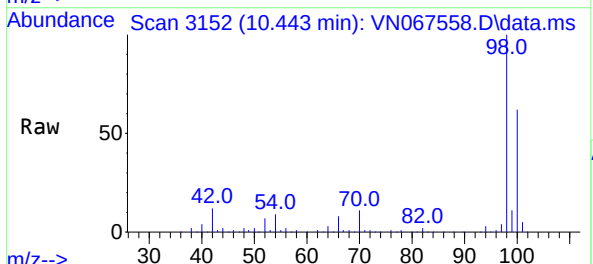
Instrument :
MSVOA_N
ClientSampled :

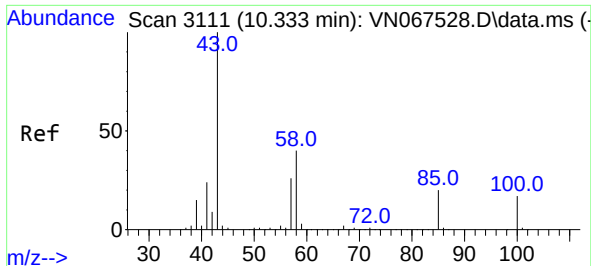
Tgt Ion: 41 Resp: 5780
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 56.977 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 98 Resp: 490489
Ion Ratio Lower Upper
98 100
100 62.5 51.7 77.5

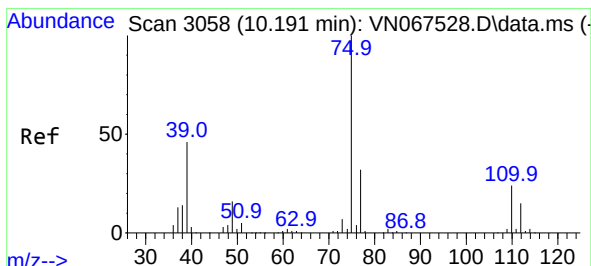
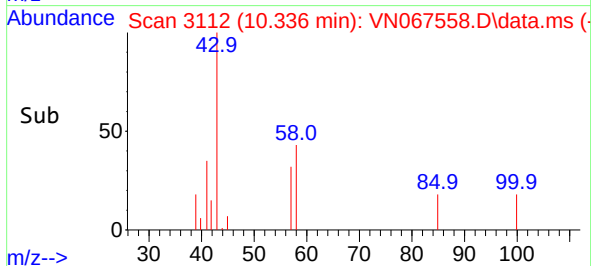
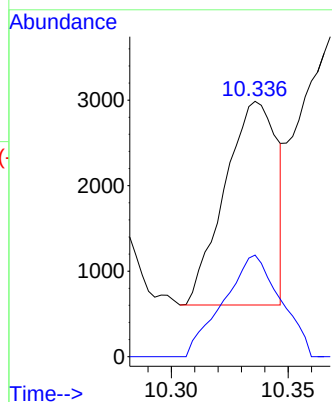
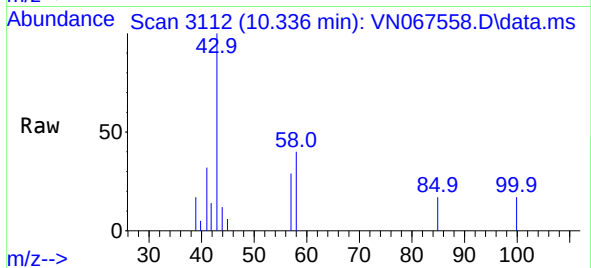




#51
4-Methyl-2-Pentanone
Concen: 1.264 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

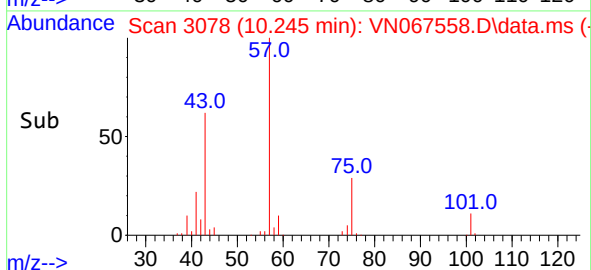
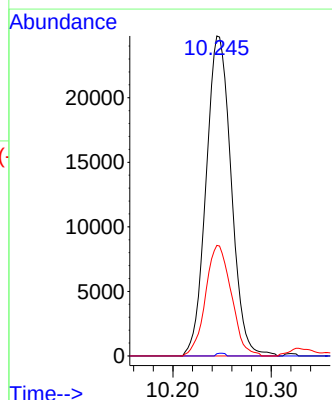
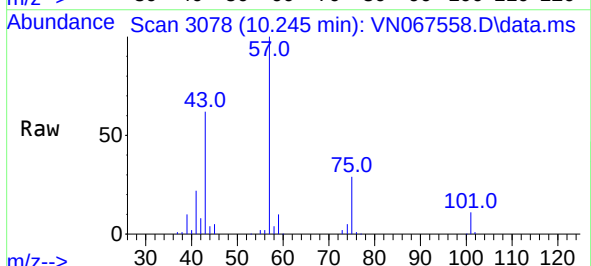
Instrument :
MSVOA_N
ClientSampled :

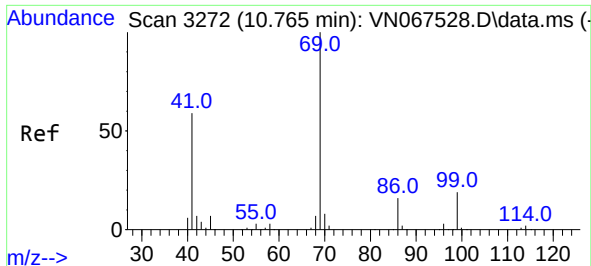
Tgt Ion: 43 Resp: 3690
Ion Ratio Lower Upper
43 100
58 54.8 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 11.770 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 75 Resp: 43965
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 34.6 50.7 76.1#

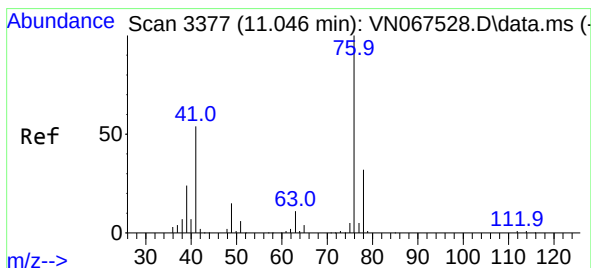
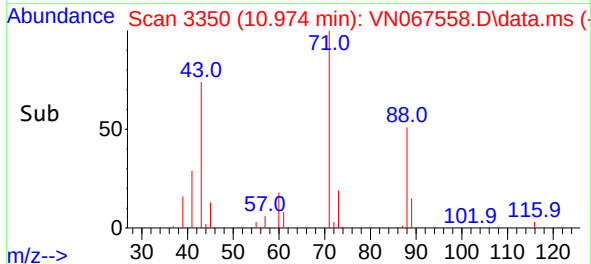
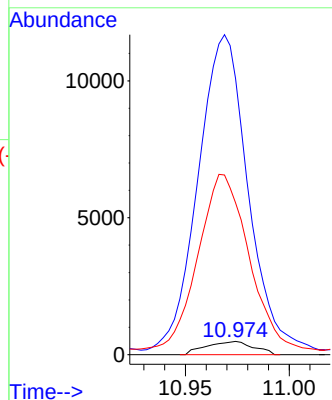
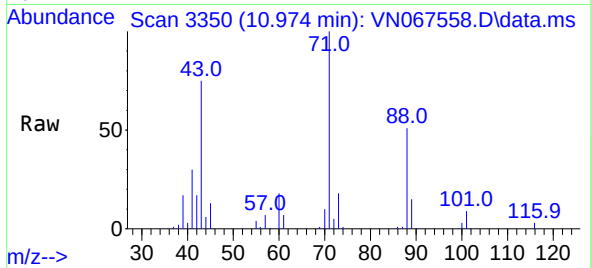




#56
Ethyl methacrylate
Concen: 0.213 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. 0.209 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

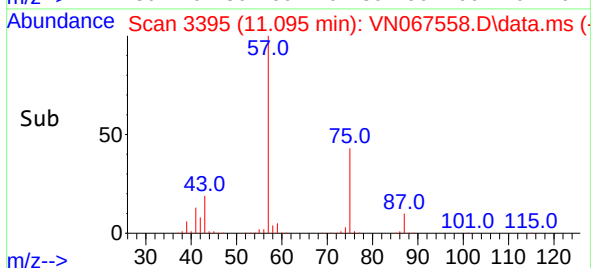
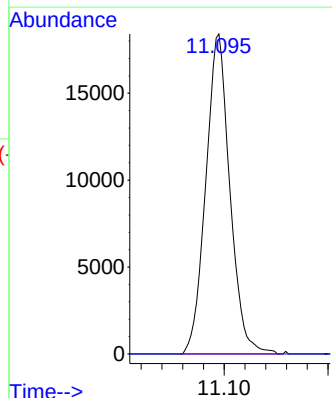
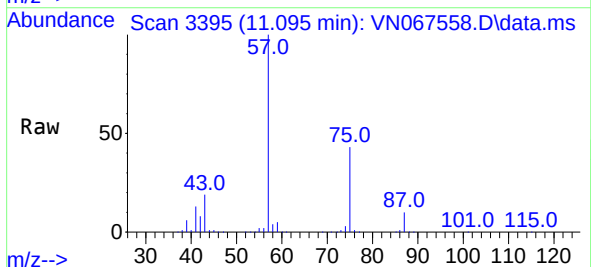
Instrument :
MSVOA_N
ClientSampleId :

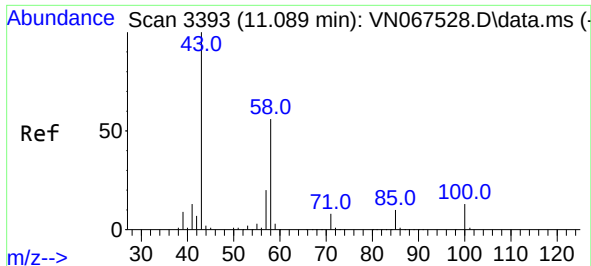
Tgt Ion: 69 Resp: 767
Ion Ratio Lower Upper
69 100
41 2530.2 58.6 88.0#
39 1454.4 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 7.685 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 76 Resp: 29631
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

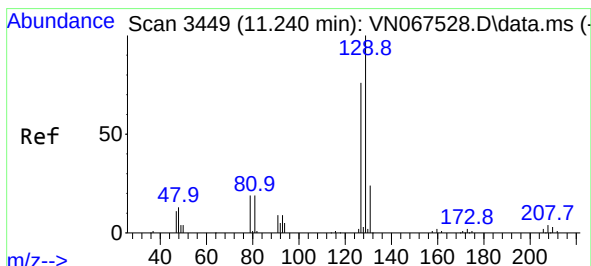
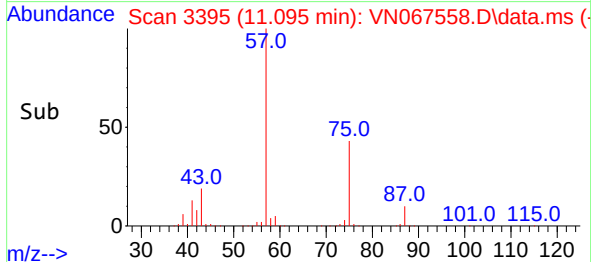
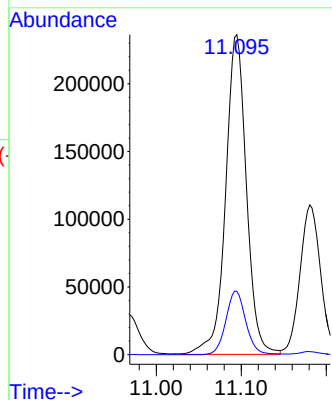
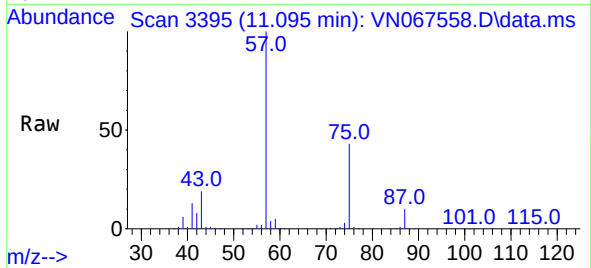




#59
2-Hexanone
Concen: 195.182 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

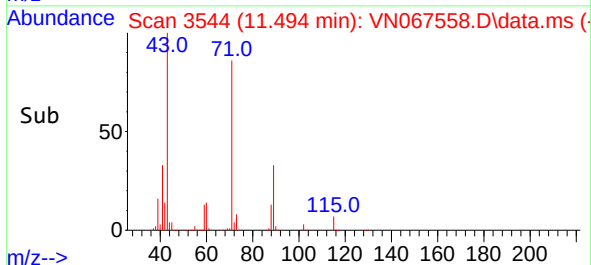
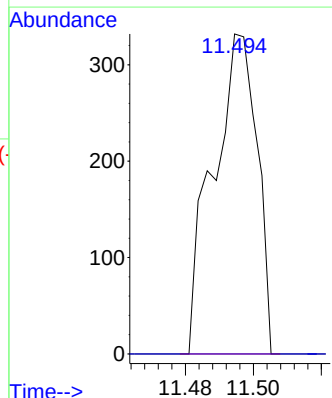
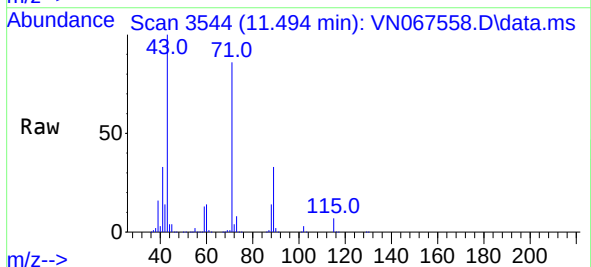
Instrument :
MSVOA_N
ClientSampled :

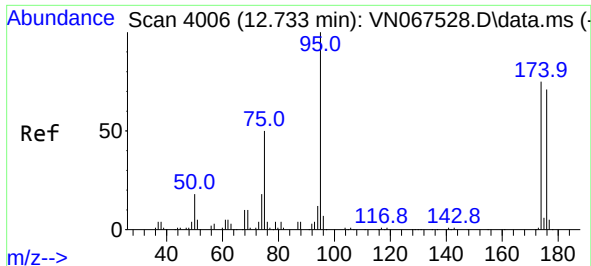
Tgt Ion: 43 Resp: 402400
Ion Ratio Lower Upper
43 100
58 19.1 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.511 ug/l
RT: 11.494 min Scan# 3544
Delta R.T. 0.254 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 129 Resp: 298
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

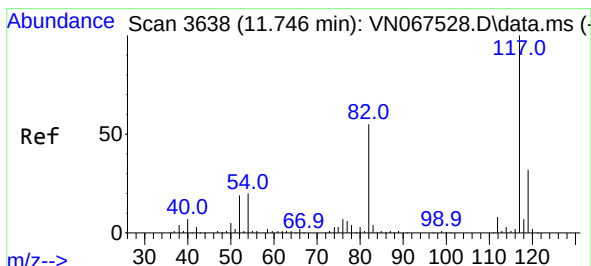
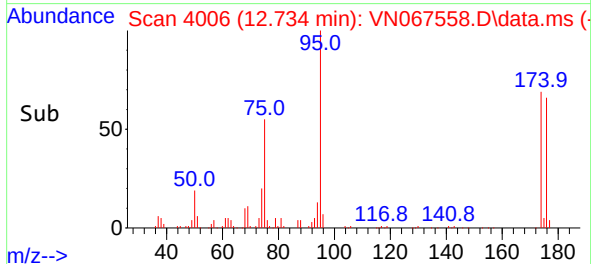
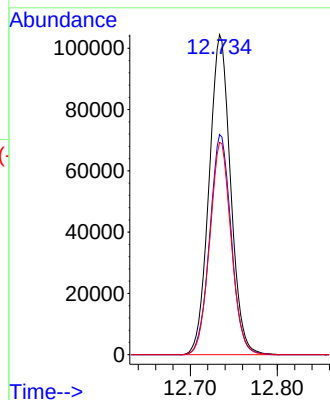
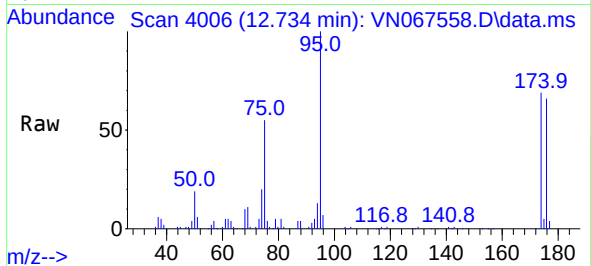




#62
4-Bromofluorobenzene
Concen: 59.607 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

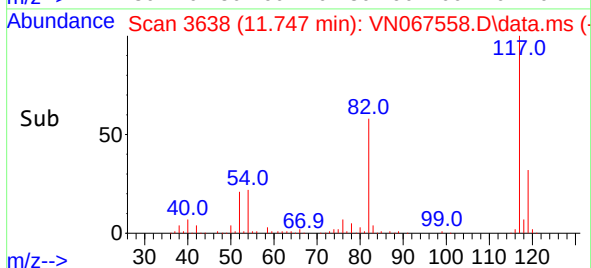
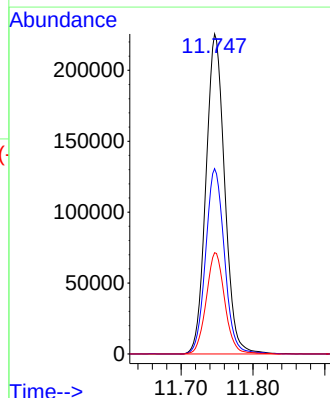
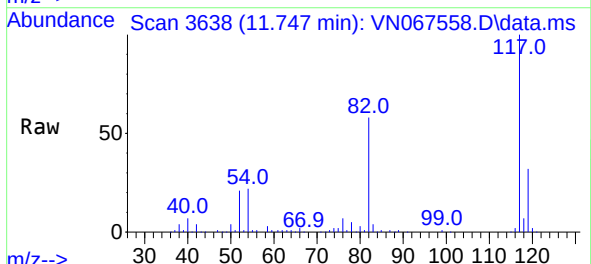
Instrument :
MSVOA_N
ClientSampleId :

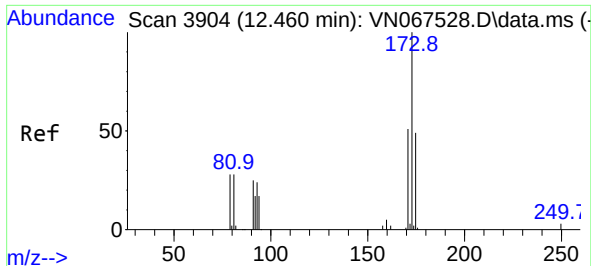
Tgt Ion: 95 Resp: 179236
Ion Ratio Lower Upper
95 100
174 68.8 0.0 122.0
176 66.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 117 Resp: 408743
Ion Ratio Lower Upper
117 100
82 57.9 53.1 79.7
119 31.7 25.5 38.3

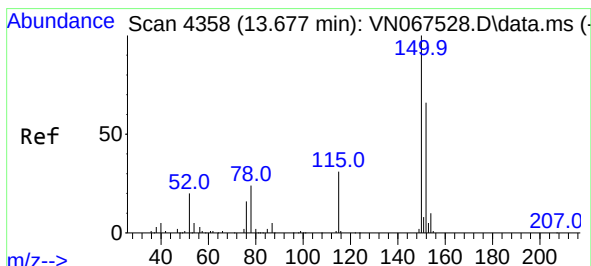
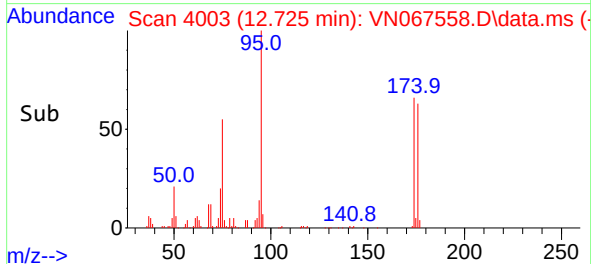
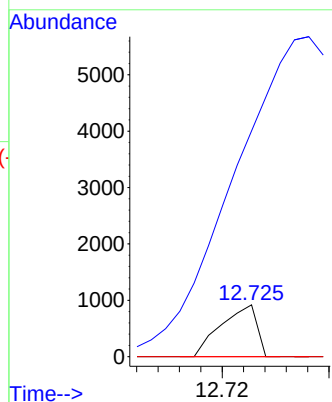
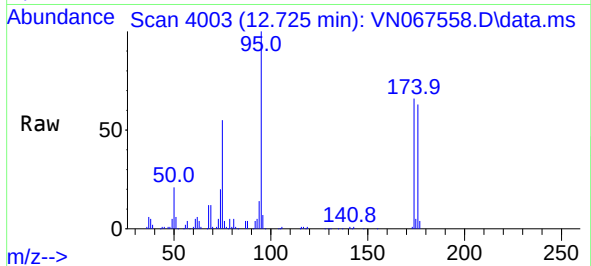




#71
Bromoform
Concen: 3.616 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

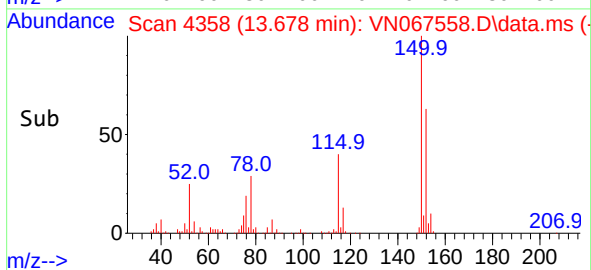
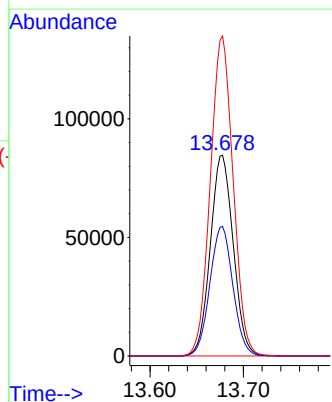
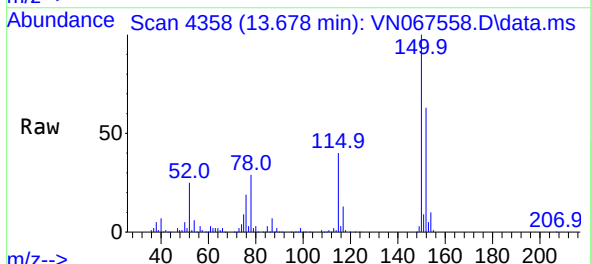
Instrument :
MSVOA_N
ClientSampled :

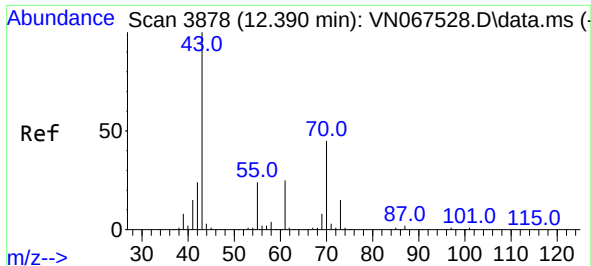
Tgt Ion:173 Resp: 427
Ion Ratio Lower Upper
173 100
175 2115.7 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion:152 Resp: 144535
Ion Ratio Lower Upper
152 100
115 64.8 36.1 108.5
150 158.2 0.0 351.8



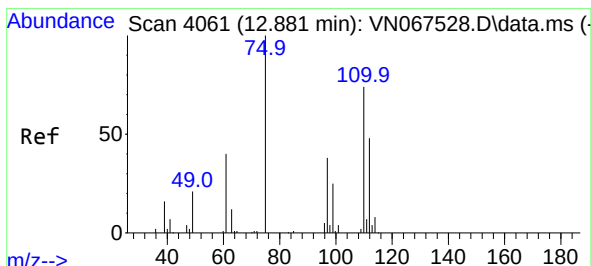
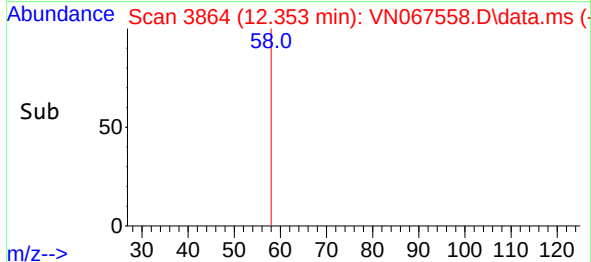
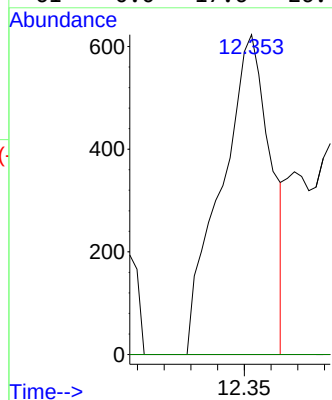
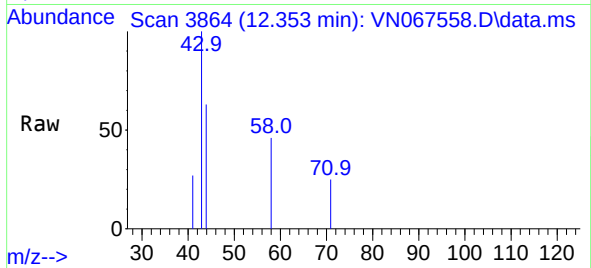


#74
N-amy1 acetate
Concen: 0.201 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.037 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 803

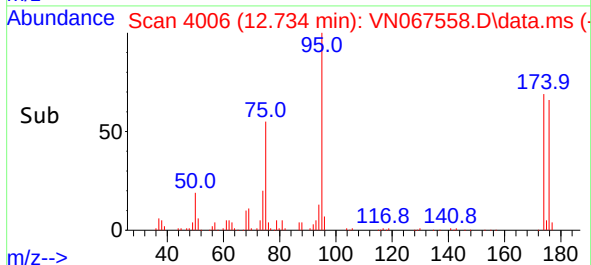
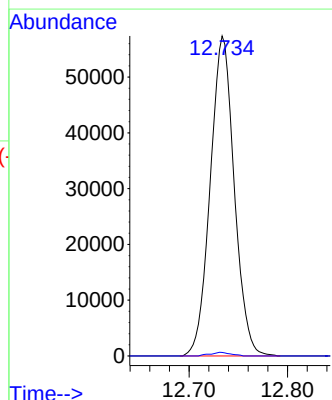
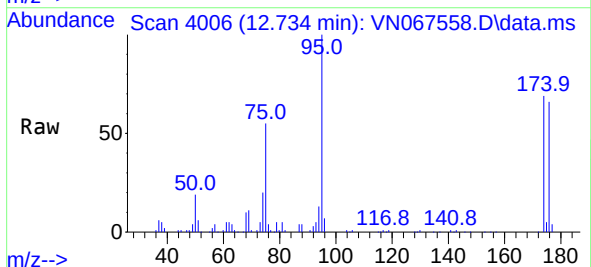
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.2#
55	0.0	17.0	25.4#
61	0.0	17.6	26.4#

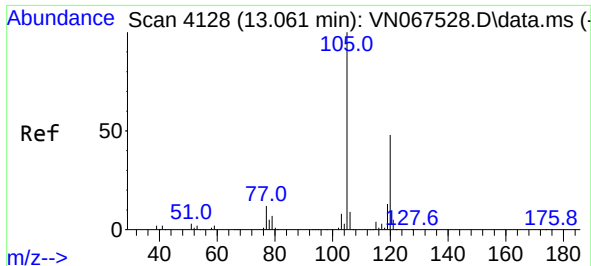


#76
1,2,3-Trichloropropane
Concen: 33.581 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Tgt Ion: 75 Resp: 97285

Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

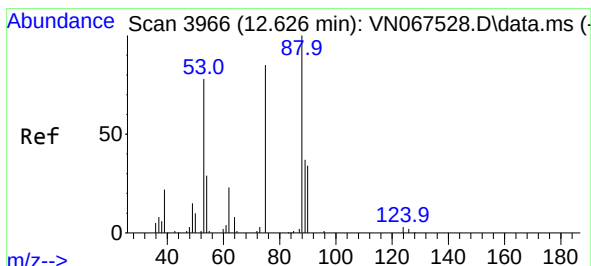
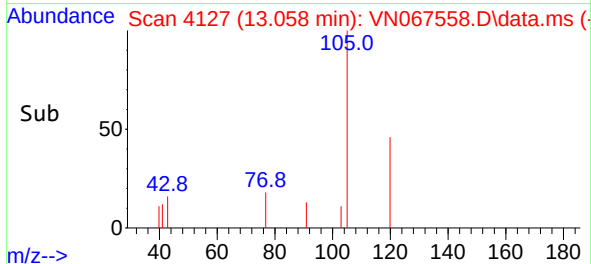
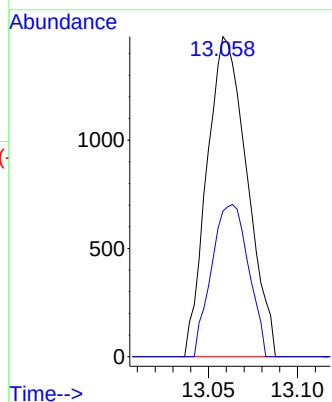
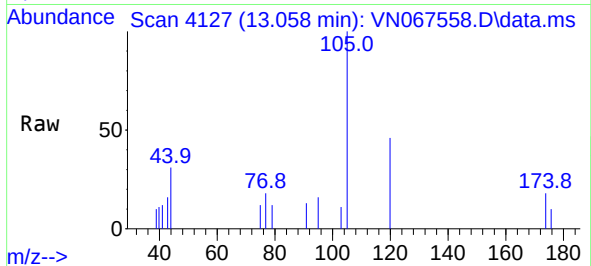




#80
1,3,5-Trimethylbenzene
Concen: 0.232 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

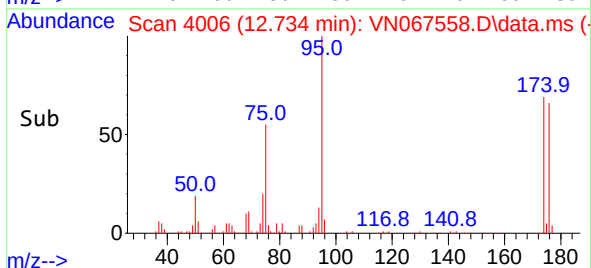
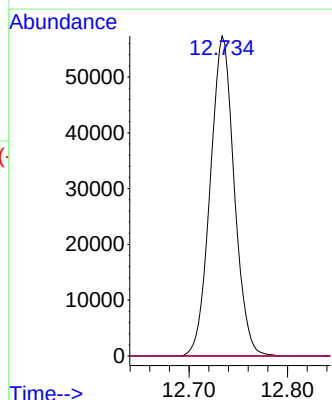
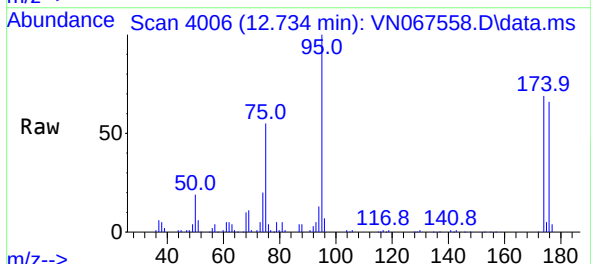
Instrument :
MSVOA_N
ClientSampled :

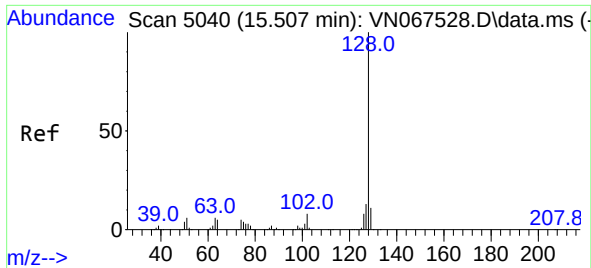
Tgt Ion:105 Resp: 2313
Ion Ratio Lower Upper
105 100
120 43.8 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 96.546 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

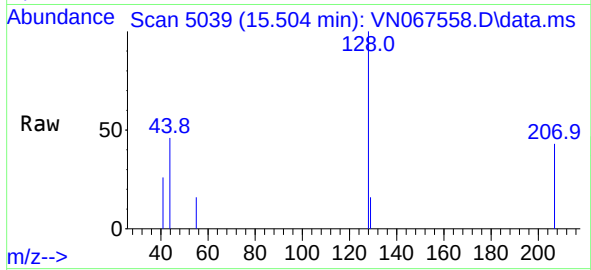
Tgt Ion: 75 Resp: 97285
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.412 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN067558.D
Acq: 29 Jun 2021 17:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1740
Ion Ratio Lower Upper
128 100
127 1.5 10.6 15.8#
129 4.4 8.6 12.8#

