

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067557.D
 Acq On : 29 Jun 2021 16:52
 Operator : JC/MD
 Sample : PB137337TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 18:07:17 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)

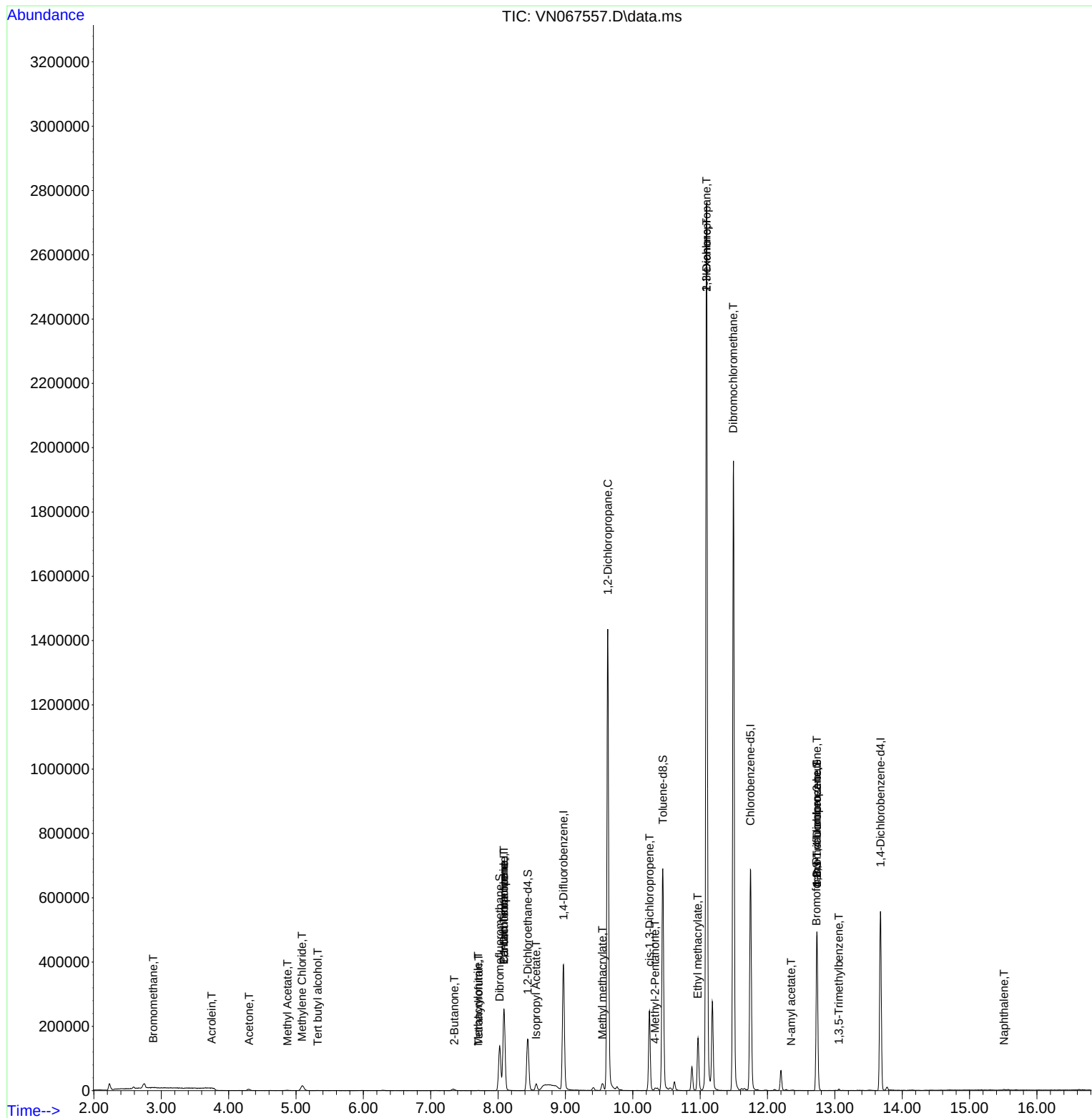
Internal Standards						
1) Pentafluorobenzene	8.088	168	180246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	337060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	402868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	144507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	136755	55.437	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.880%	
35) Dibromofluoromethane	8.024	113	97753	46.777	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.560%	
50) Toluene-d8	10.446	98	490855	57.822	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 115.640%	
62) 4-Bromofluorobenzene	12.733	95	177943	60.009	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 120.020%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.880	94	698	0.314	ug/l #	61
11) Tert butyl alcohol	5.323	59	163	0.443	ug/l #	71
13) Acrolein	3.746	56	224	3.142	ug/l #	14
16) Acetone	4.301	43	8479	10.421	ug/l	97
18) Methyl Acetate	4.873	43	1552	0.715	ug/l #	74
20) Methylene Chloride	5.090	84	6212	2.716	ug/l #	89
25) 2-Butanone	7.351	43	3529	2.812	ug/l #	81
29) Tetrahydrofuran	7.713	42	540	0.646	ug/l #	43
31) Cyclohexane	8.086	56	5011	Below Cal	#	29
36) 1,1-Dichloropropene	8.086	75	16965	5.575	ug/l #	52
38) Carbon Tetrachloride	8.088	117	20837	6.392	ug/l #	16
41) Methacrylonitrile	7.705	41	286	0.205	ug/l #	22
43) Isopropyl Acetate	8.566	43	23916	5.010	ug/l #	92
45) 1,2-Dichloropropane	9.630	63	1685	0.731	ug/l #	44
48) Methyl methacrylate	9.547	41	5633	2.695	ug/l #	12
51) 4-Methyl-2-Pentanone	10.330	43	4269	1.482	ug/l	93
54) cis-1,3-Dichloropropene	10.247	75	44810	12.165	ug/l #	57
56) Ethyl methacrylate	10.963	69	769	0.217	ug/l #	1
57) 1,3-Dichloropropane	11.095	76	30069	7.908	ug/l #	43
59) 2-Hexanone	11.095	43	407213	200.294	ug/l #	56
60) Dibromochloromethane	11.492	129	268	2.502	ug/l #	11
71) Bromoform	12.725	173	133	3.508	ug/l #	1
74) N-amyl acetate	12.353	43	1018	0.255	ug/l #	47
76) 1,2,3-Trichloropropane	12.733	75	95585	33.000	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.061	105	2433	0.244	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.733	75	95585	94.877	ug/l #	6
95) Naphthalene	15.509	128	2954	3.571	ug/l #	73

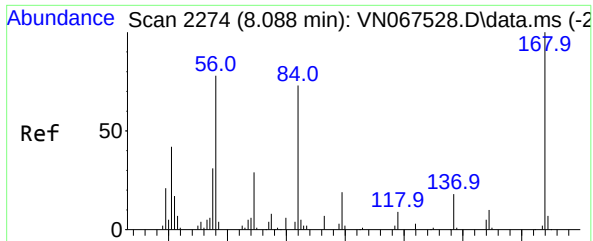
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
Data File : VN067557.D
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ALS Vial : 15 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :

Quant Time: Jun 29 18:07:17 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

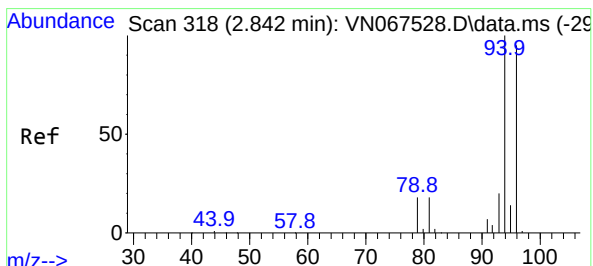
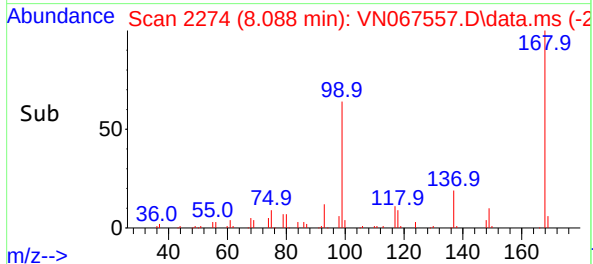
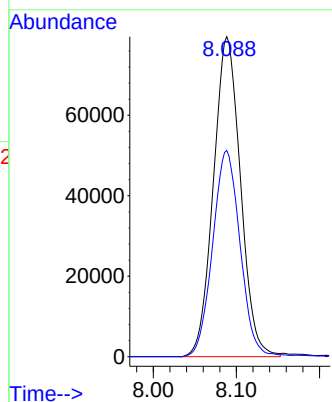
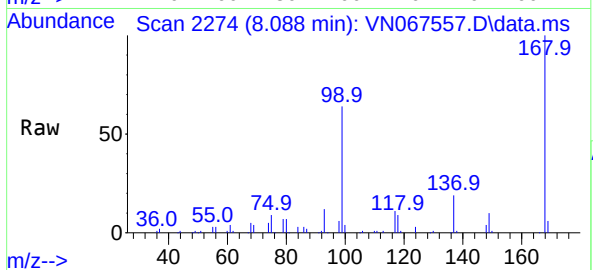




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

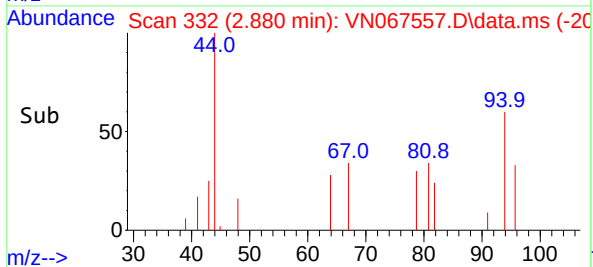
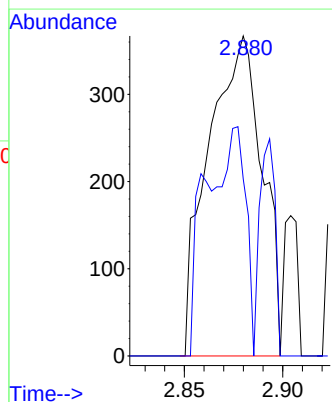
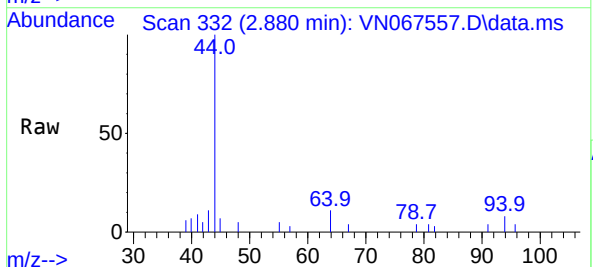
Instrument :
MSVOA_N
ClientSampled :

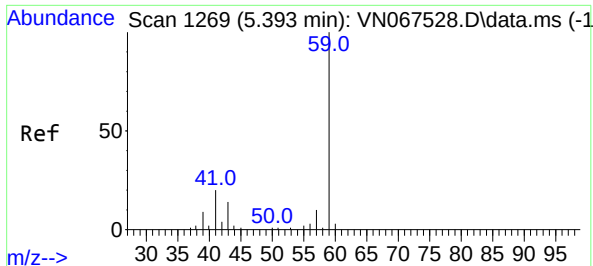
Tgt Ion:168 Resp: 180246
Ion Ratio Lower Upper
168 100
99 64.5 62.9 94.3



#5
Bromomethane
Concen: 0.314 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.038 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 94 Resp: 698
Ion Ratio Lower Upper
94 100
96 55.3 73.7 110.5#



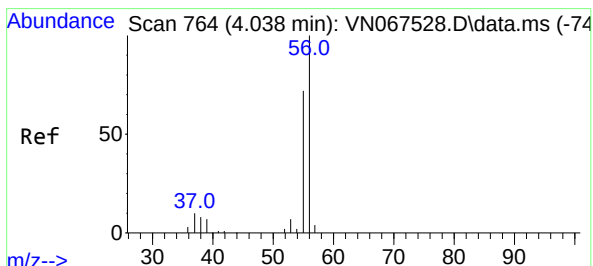
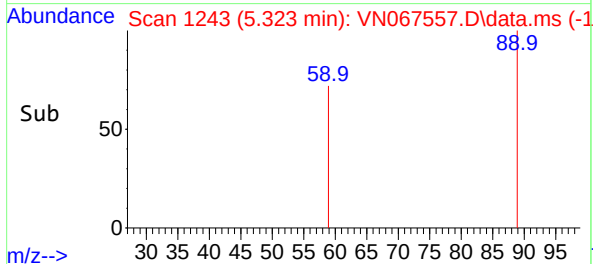
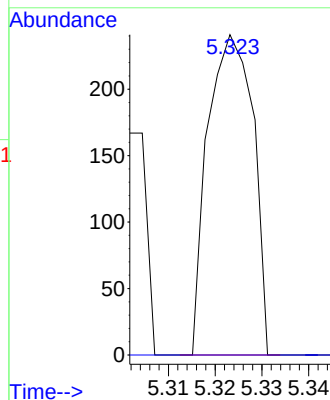
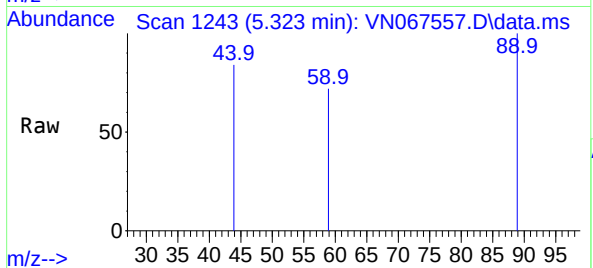


#11

Tert butyl alcohol
Concen: 0.443 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.070 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Instrument :
MSVOA_N
ClientSampled :

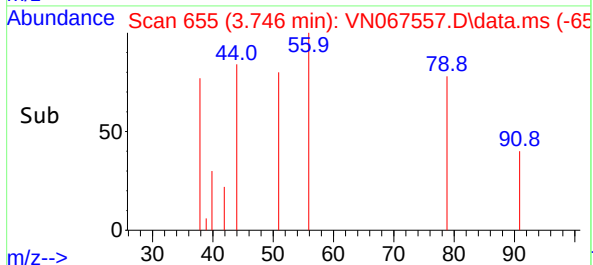
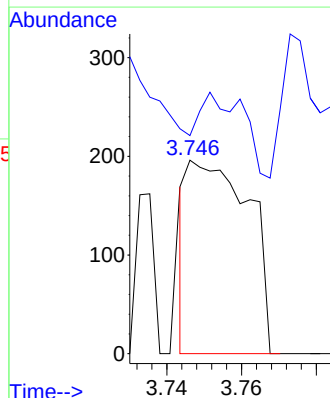
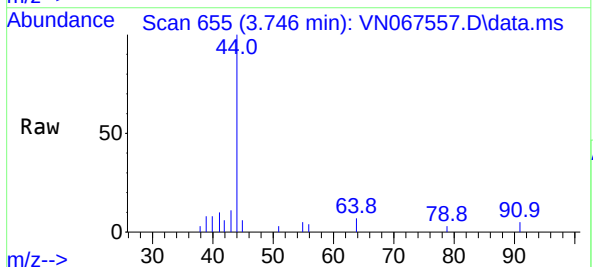
Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

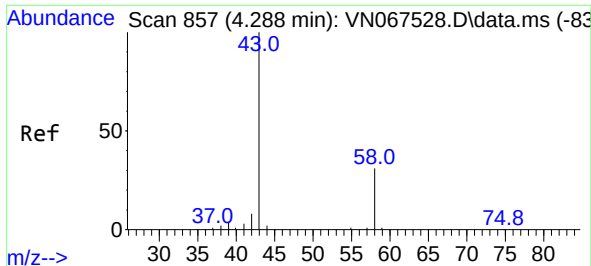


#13

Acrolein
Concen: 3.142 ug/l
RT: 3.746 min Scan# 655
Delta R.T. -0.292 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

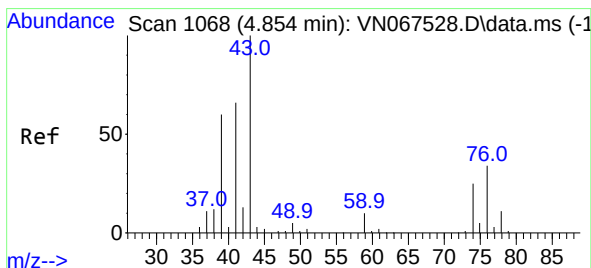
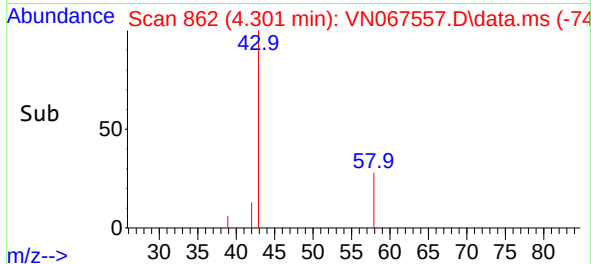
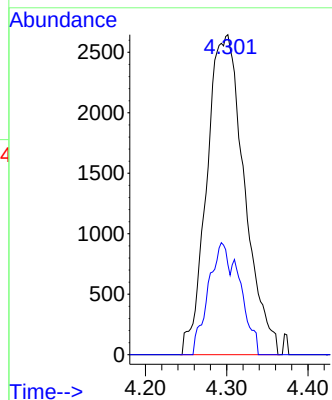
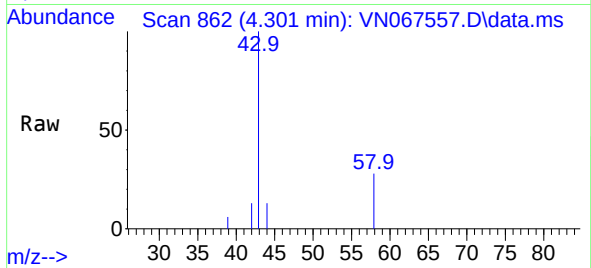




#16
Acetone
Concen: 10.421 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

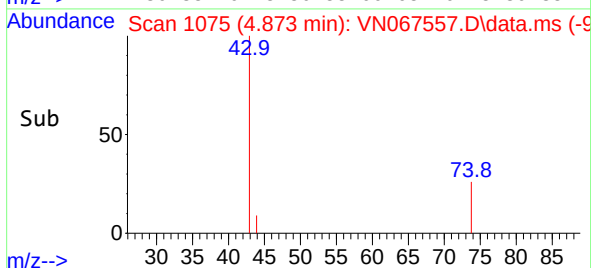
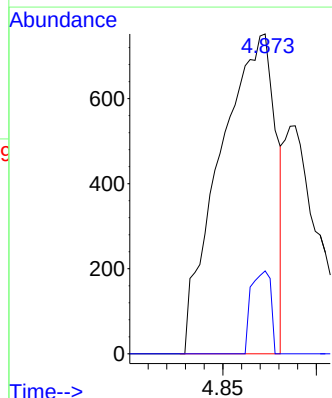
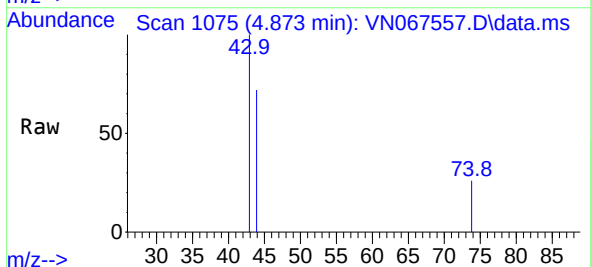
Instrument :
MSVOA_N
ClientSampled :

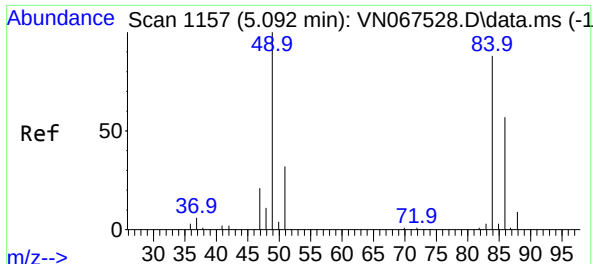
Tgt Ion: 43 Resp: 8479
Ion Ratio Lower Upper
43 100
58 28.2 21.2 31.8



#18
Methyl Acetate
Concen: 0.715 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 43 Resp: 1552
Ion Ratio Lower Upper
43 100
74 9.1 17.4 26.0#

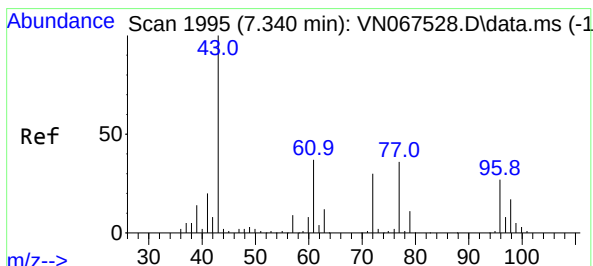
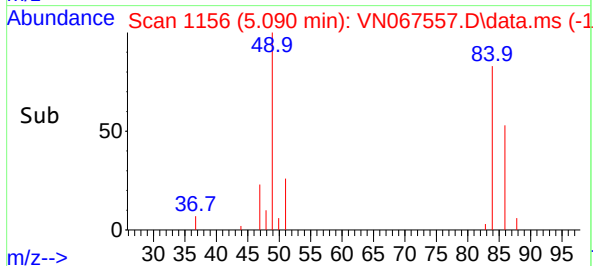
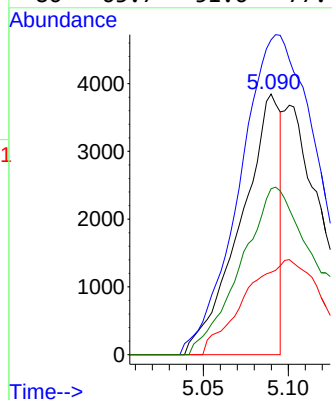
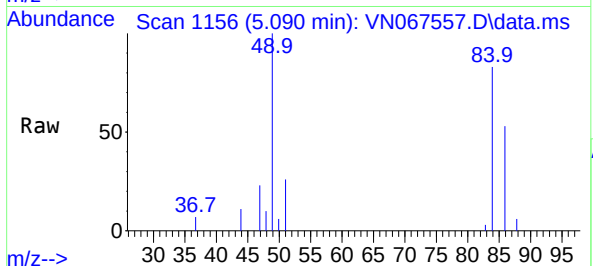




#20
Methylene Chloride
Concen: 2.716 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.002 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

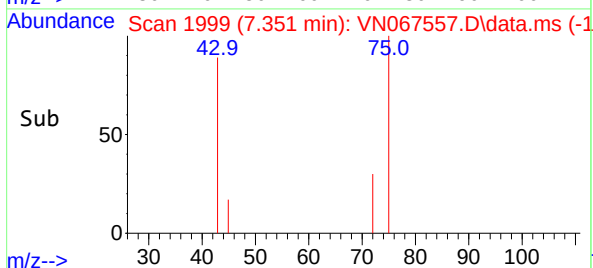
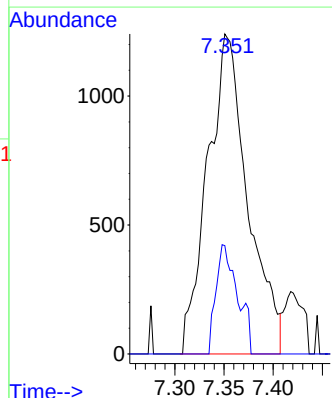
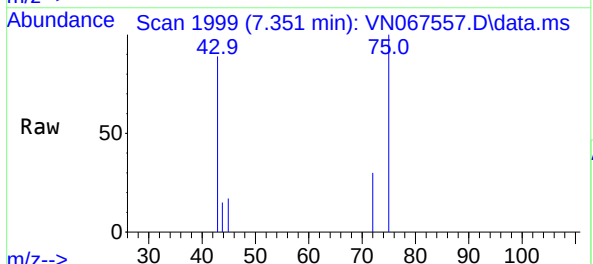
Instrument :
MSVOA_N
ClientSampled :

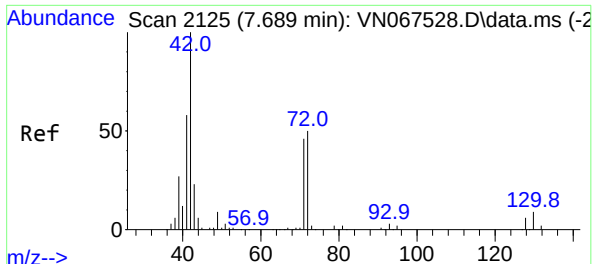
Tgt Ion: 84 Resp: 6212
Ion Ratio Lower Upper
84 100
49 120.8 110.9 166.3
51 31.6 32.6 49.0#
86 63.7 51.6 77.4



#25
2-Butanone
Concen: 2.812 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 43 Resp: 3529
Ion Ratio Lower Upper
43 100
72 33.8 19.7 29.5#





#29

Tetrahydrofuran

Concen: 0.646 ug/l

RT: 7.713 min Scan# 2134

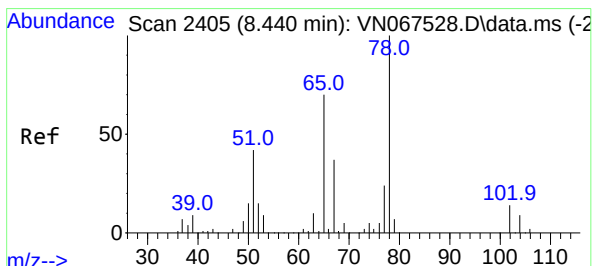
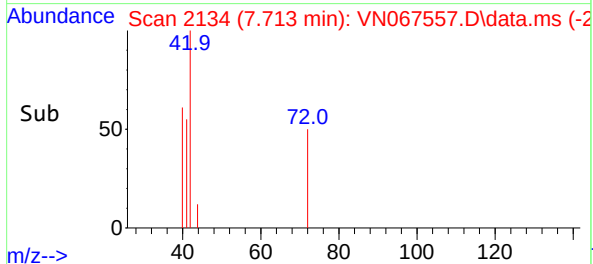
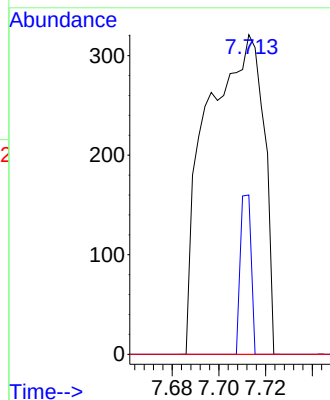
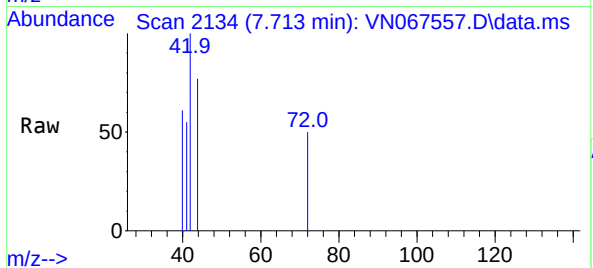
Delta R.T. 0.024 min

Lab File: VN067557.D

Acq: 29 Jun 2021 16:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	540
Ion	Ratio	Lower	Upper
42	100		
72	9.4	32.8	49.2#
71	0.0	31.2	46.8#



#33

1,2-Dichloroethane-d4

Concen: 55.437 ug/l

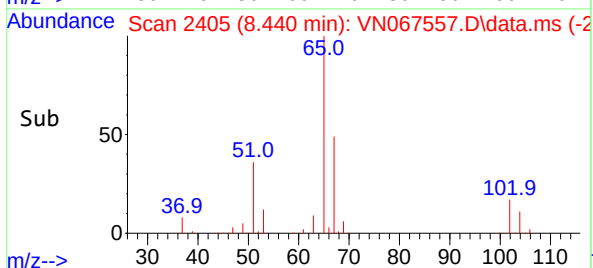
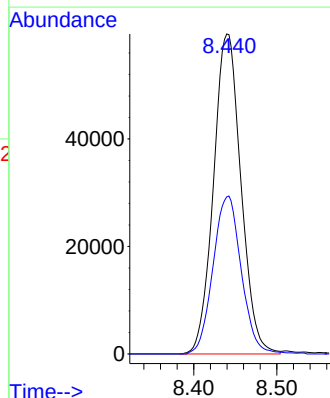
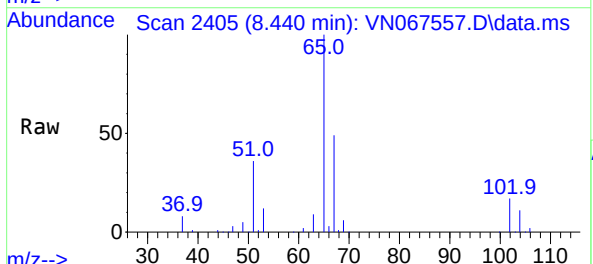
RT: 8.440 min Scan# 2405

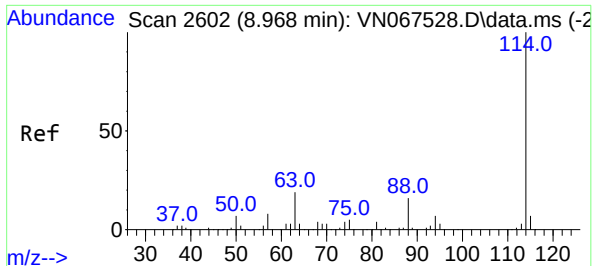
Delta R.T. -0.000 min

Lab File: VN067557.D

Acq: 29 Jun 2021 16:52

Tgt Ion:	65	Resp:	136755
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	98.6

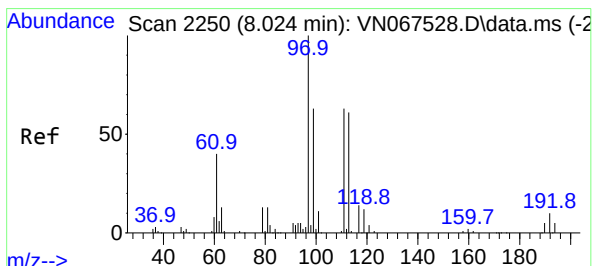
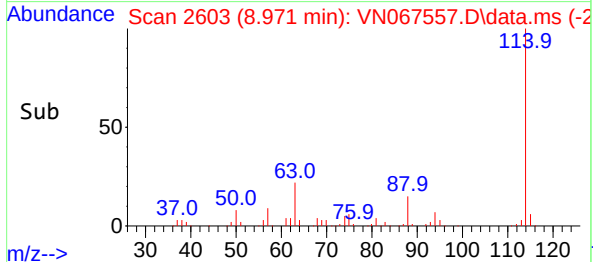
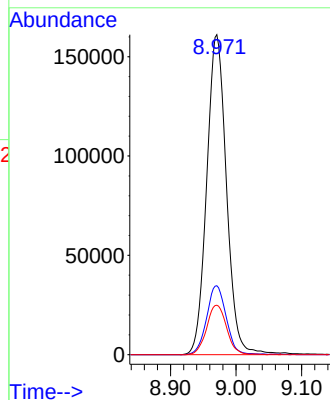
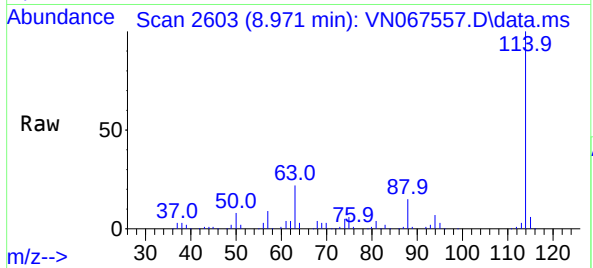




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

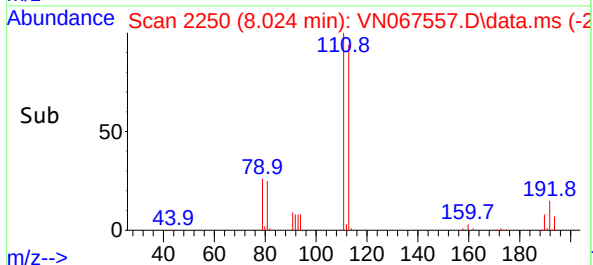
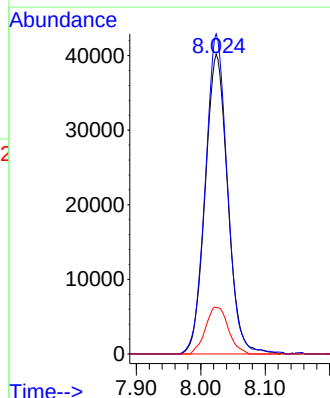
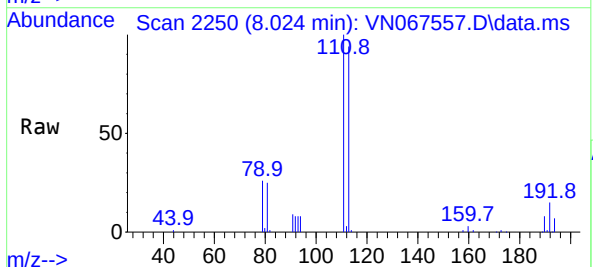
Instrument :
MSVOA_N
ClientSampled :

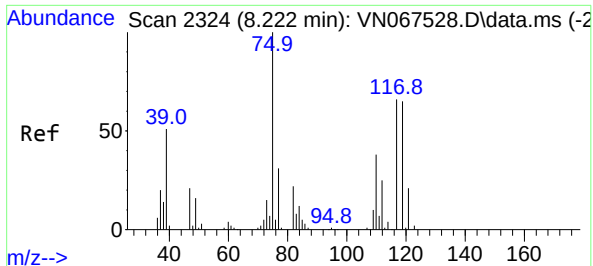
Tgt Ion:114 Resp: 337060
Ion Ratio Lower Upper
114 100
63 21.6 0.0 49.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.777 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion:113 Resp: 97753
Ion Ratio Lower Upper
113 100
111 104.5 83.8 125.8
192 15.8 13.4 20.0

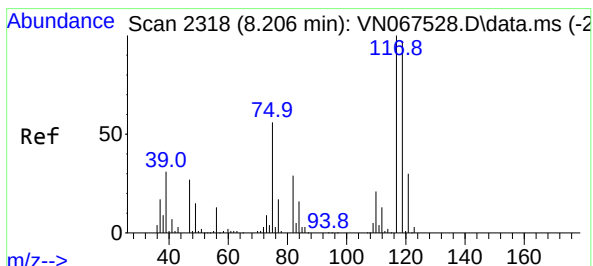
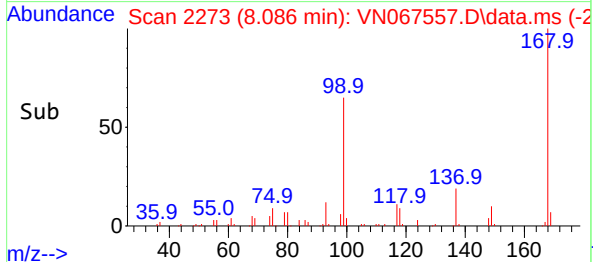
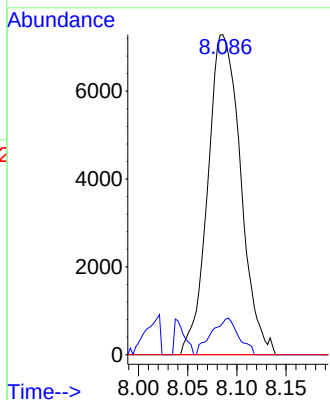
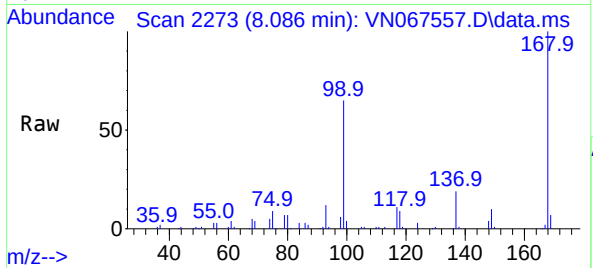




#36
1,1-Dichloropropene
Concen: 5.575 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

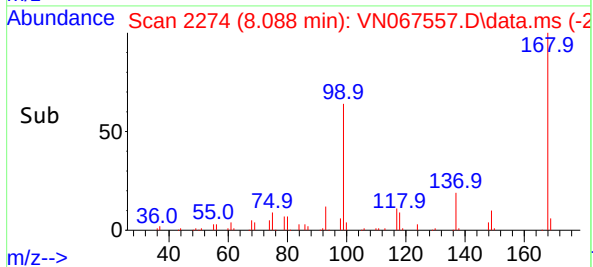
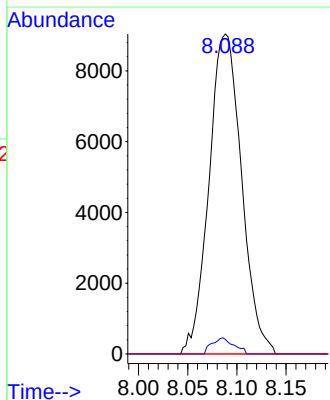
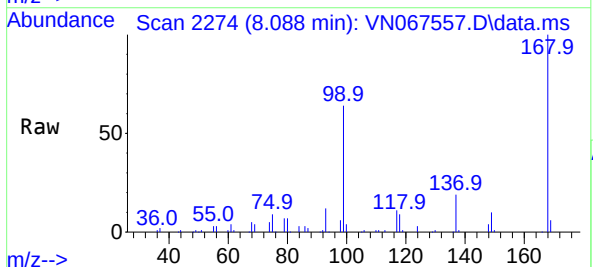
Instrument :
MSVOA_N
ClientSampled :

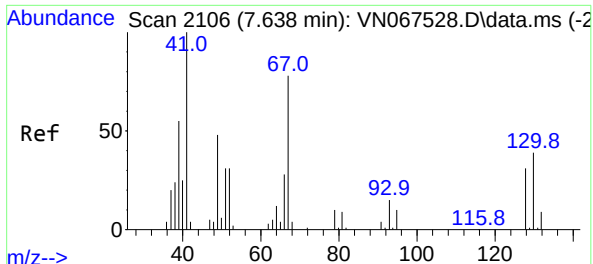
Tgt Ion:	75	Resp:	16965
Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.7	47.0#
77	0.0	24.6	37.0#



#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion:	117	Resp:	20837
Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.4	113.2#
121	0.0	23.5	35.3#



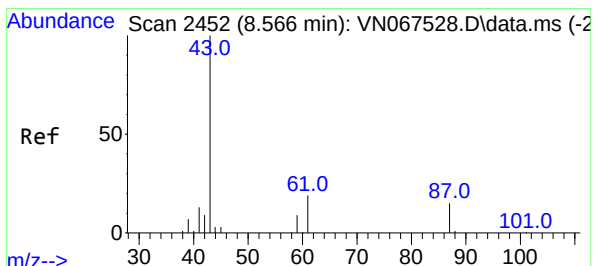
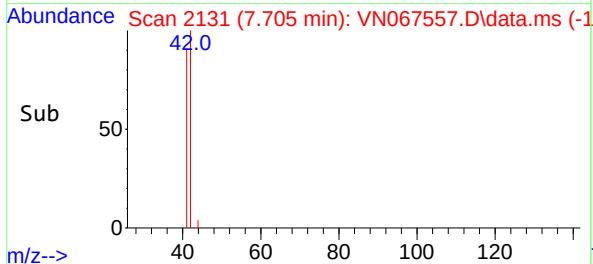
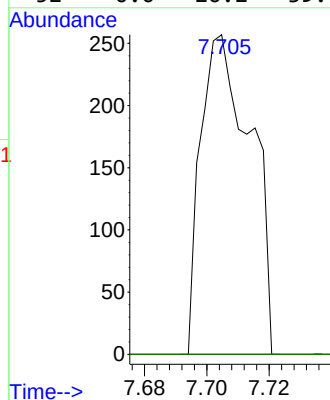
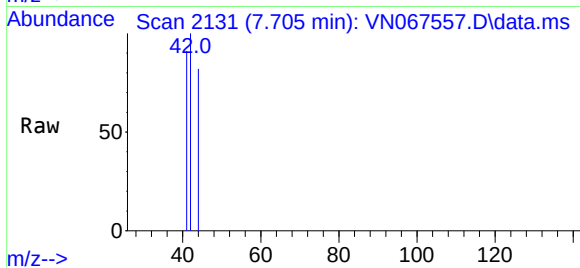


#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 41 Resp: 286

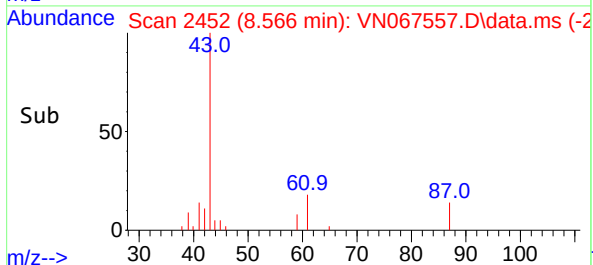
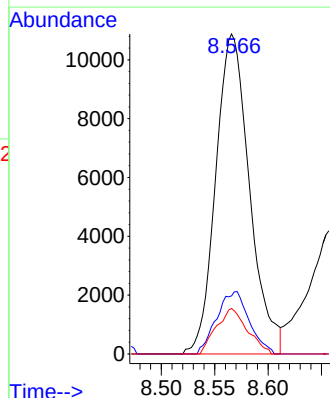
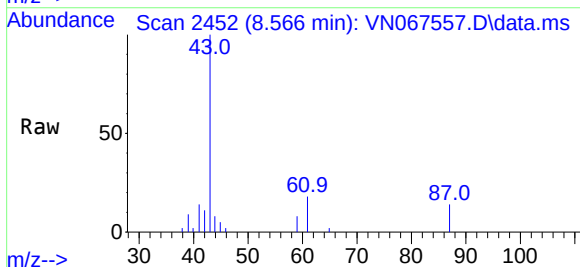
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#

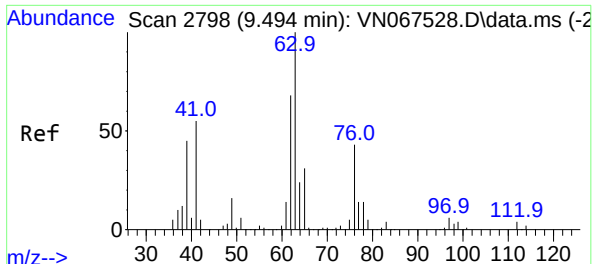


#43
Isopropyl Acetate
Concen: 5.010 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 43 Resp: 23916

Ion	Ratio	Lower	Upper
43	100		
61	18.8	19.0	28.4#
87	13.0	9.5	14.3

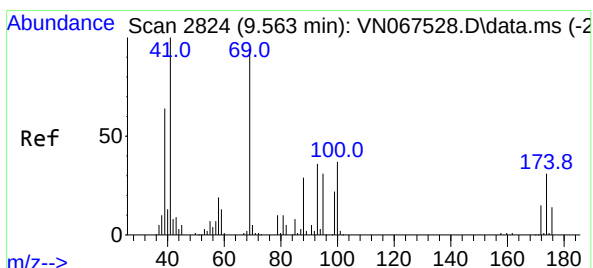
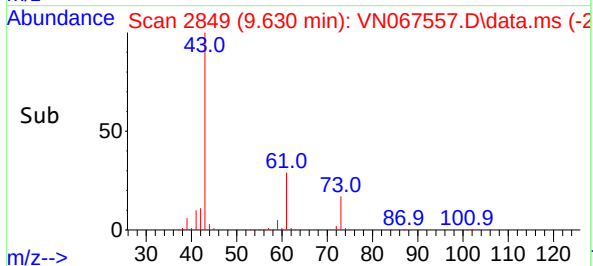
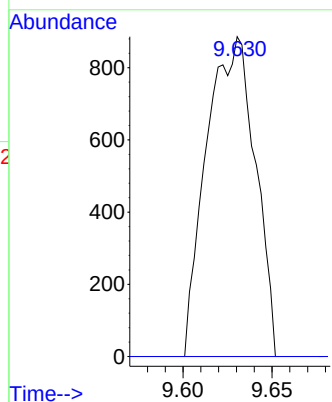
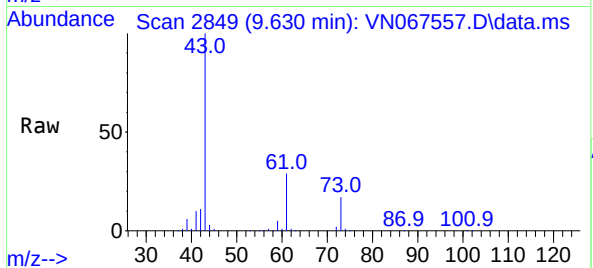




#45
1,2-Dichloropropane
Concen: 0.731 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.136 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

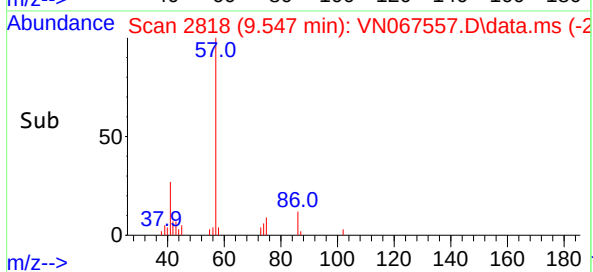
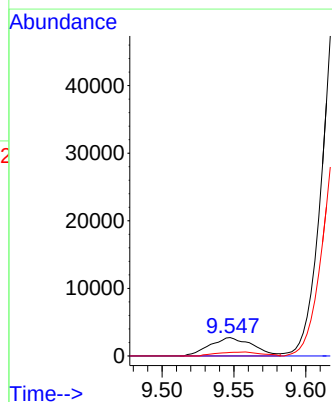
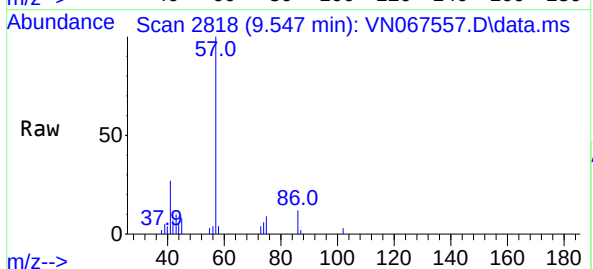
Instrument :
MSVOA_N
ClientSampled :

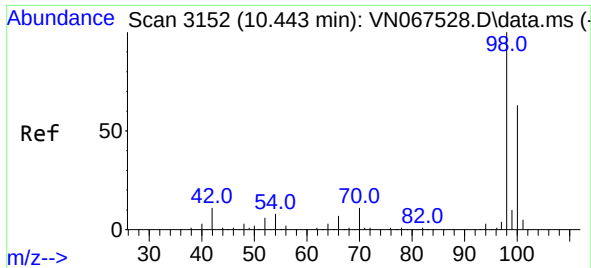
Tgt Ion: 63 Resp: 1685
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.695 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 41 Resp: 5633
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

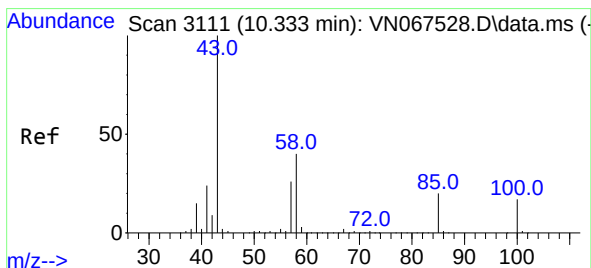
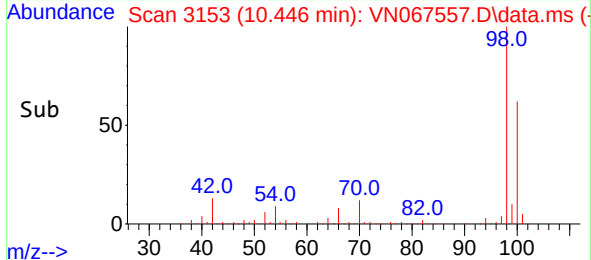
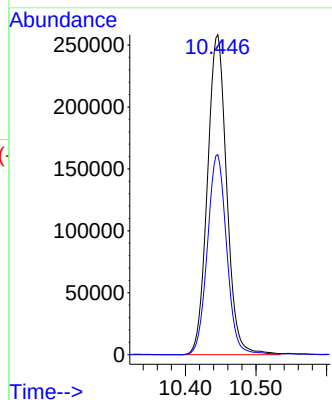
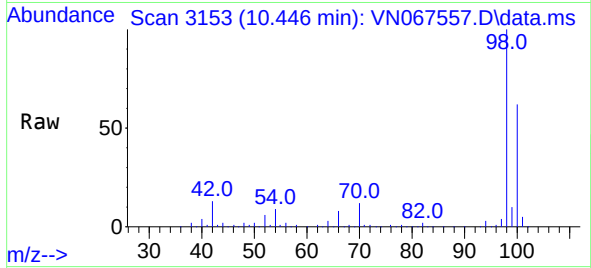




#50
Toluene-d8
Concen: 57.822 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

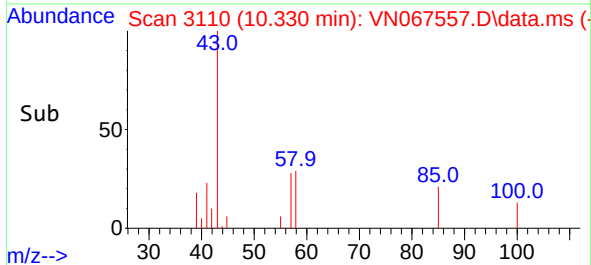
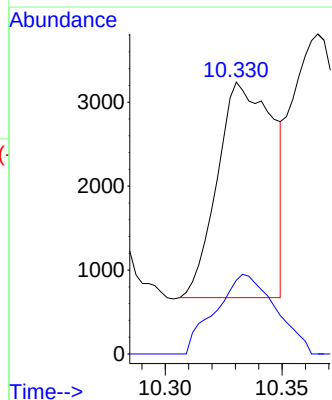
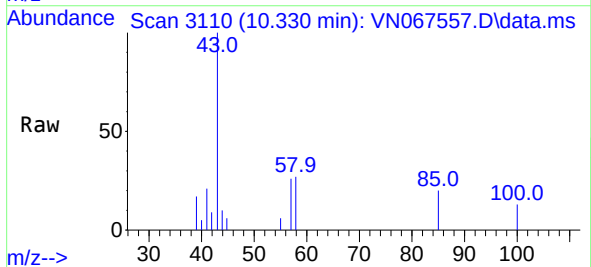
Instrument :
MSVOA_N
ClientSampled :

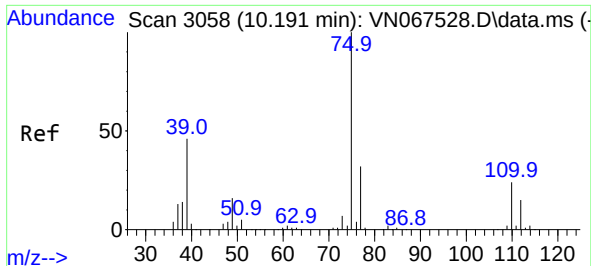
Tgt Ion: 98 Resp: 490855
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.482 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
58 39.8 28.6 43.0

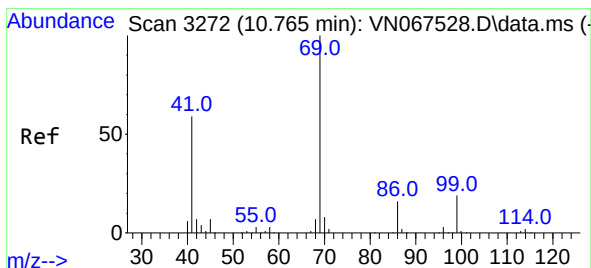
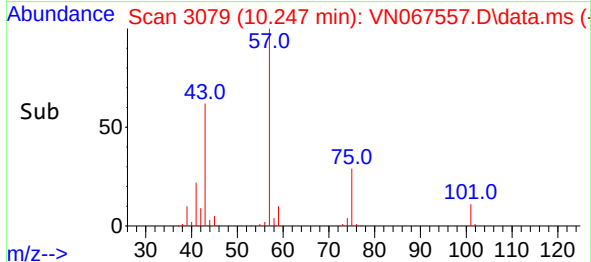
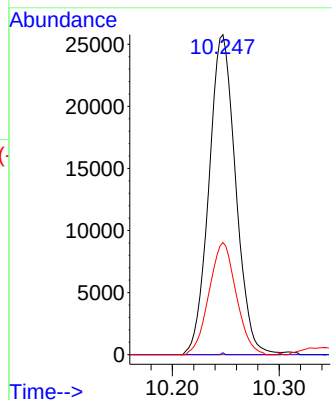
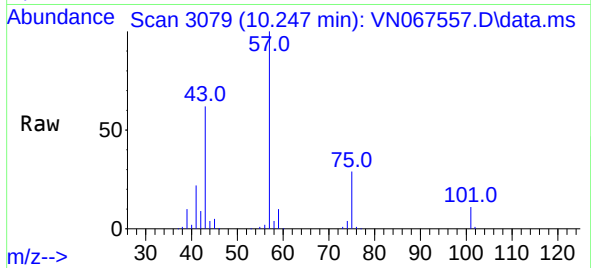




#54
 cis-1,3-Dichloropropene
 Concen: 12.165 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067557.D
 Acq: 29 Jun 2021 16:52

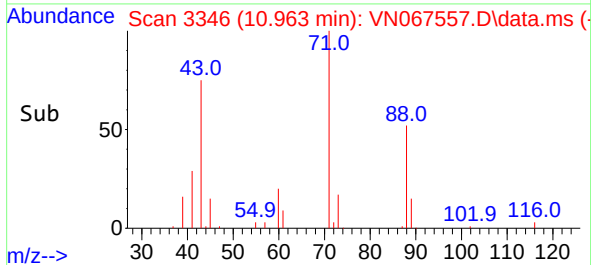
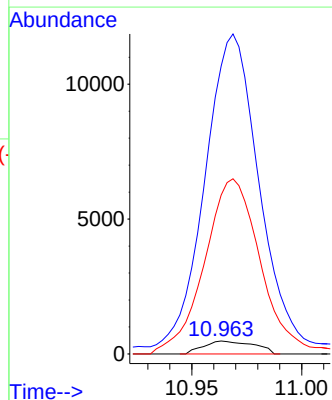
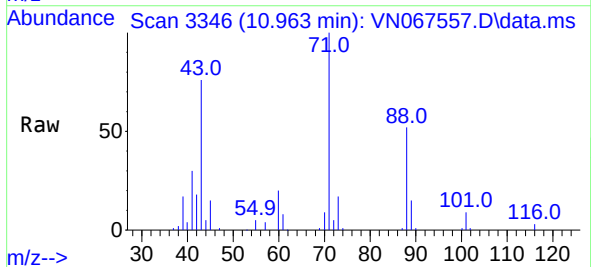
Instrument :
 MSVOA_N
 ClientSampled :

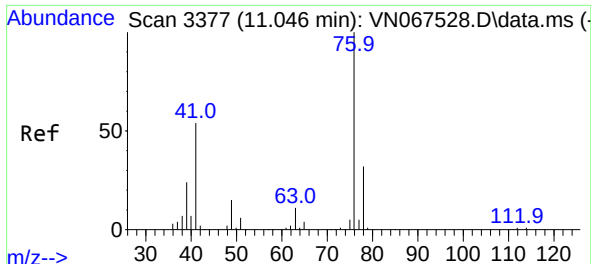
Tgt Ion: 75 Resp: 44810
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 37.0#
 39 35.0 50.7 76.1#



#56
 Ethyl methacrylate
 Concen: 0.217 ug/l
 RT: 10.963 min Scan# 3346
 Delta R.T. 0.198 min
 Lab File: VN067557.D
 Acq: 29 Jun 2021 16:52

Tgt Ion: 69 Resp: 769
 Ion Ratio Lower Upper
 69 100
 41 2622.4 58.6 88.0#
 39 1499.1 38.3 57.5#

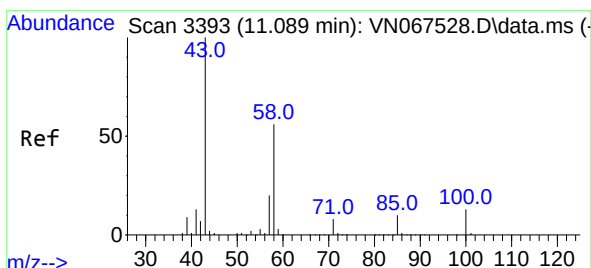
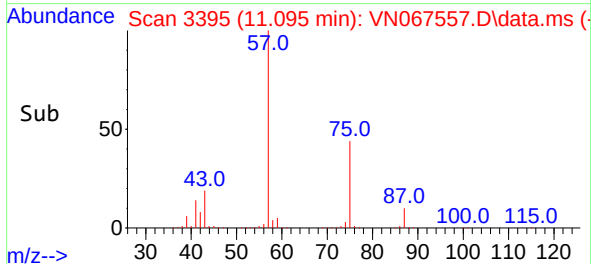
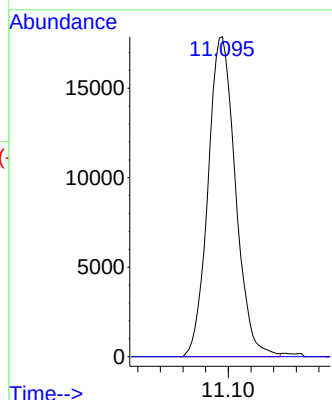
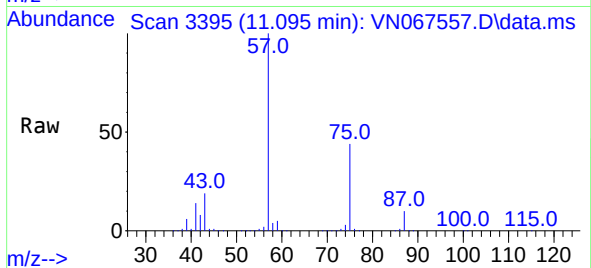




#57
1,3-Dichloropropane
Concen: 7.908 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

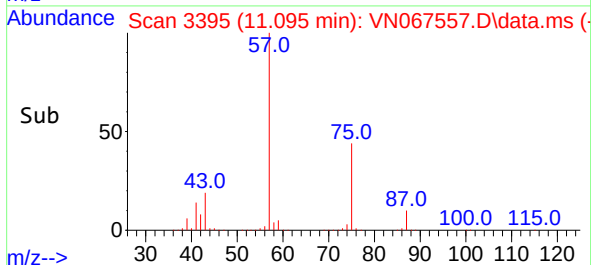
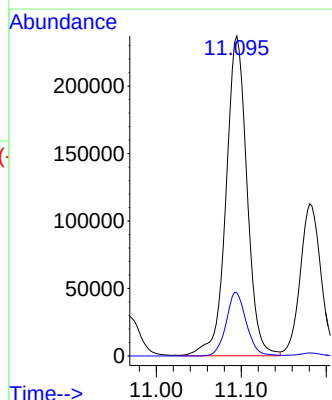
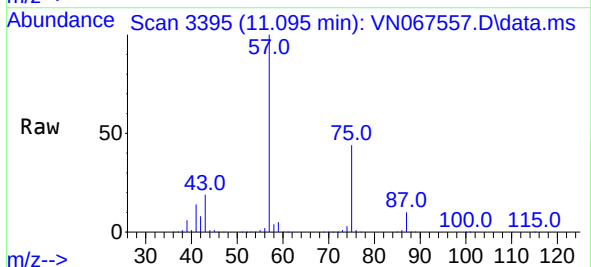
Instrument :
MSVOA_N
ClientSampleId :

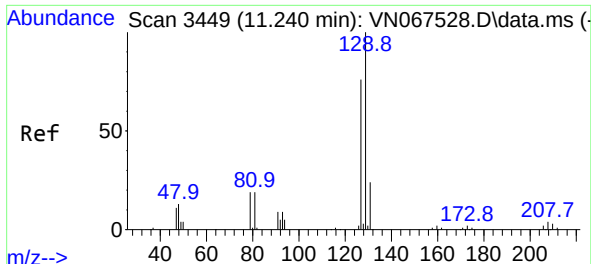
Tgt Ion: 76 Resp: 30069
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 200.294 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 43 Resp: 407213
Ion Ratio Lower Upper
43 100
58 19.2 24.7 74.1#

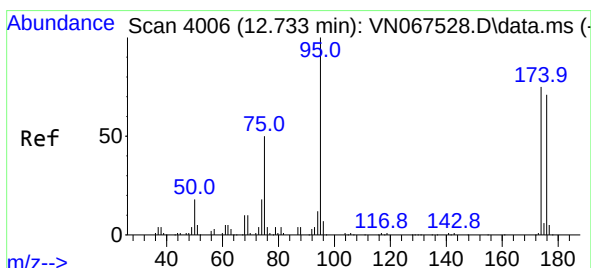
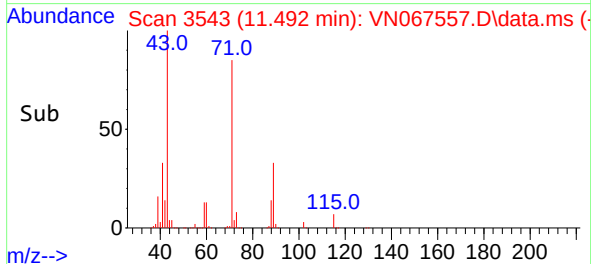
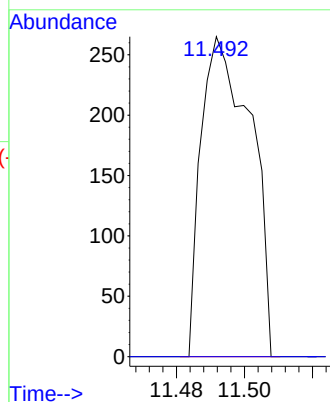
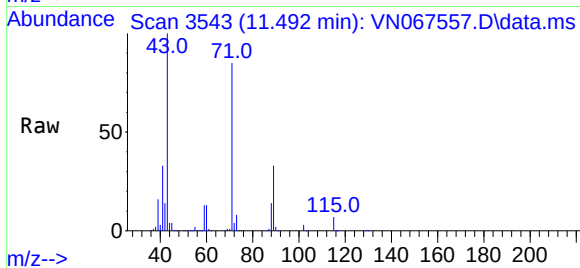




#60
Dibromochloromethane
Concen: 2.502 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.252 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

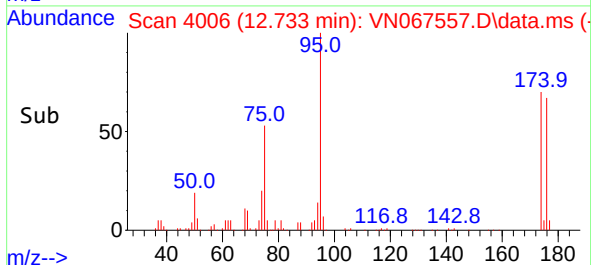
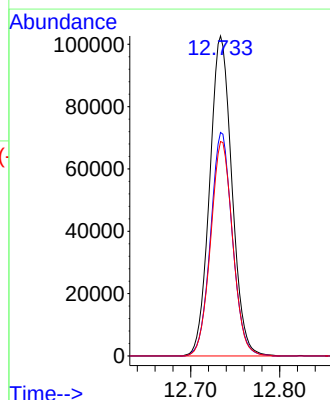
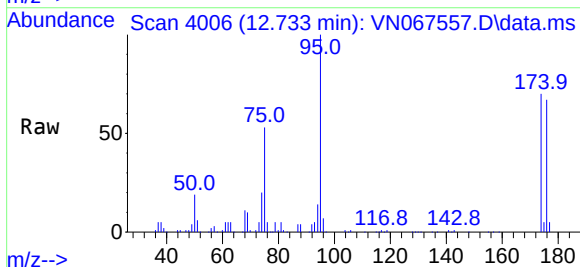
Instrument :
MSVOA_N
ClientSampled :

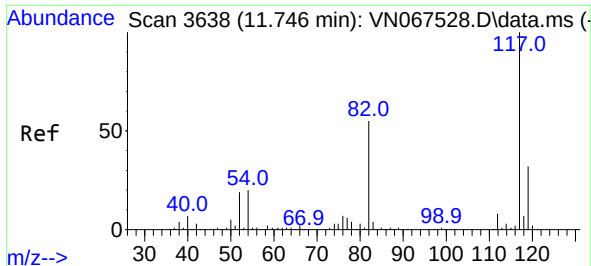
Tgt Ion:129 Resp: 268
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 60.009 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 95 Resp: 177943
Ion Ratio Lower Upper
95 100
174 68.6 0.0 122.0
176 66.6 0.0 117.6

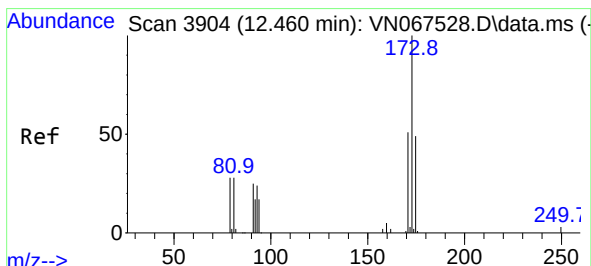
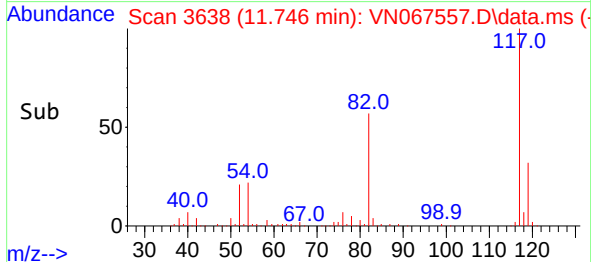
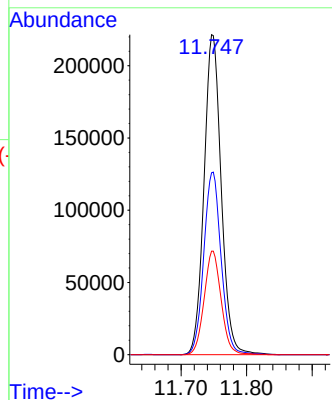
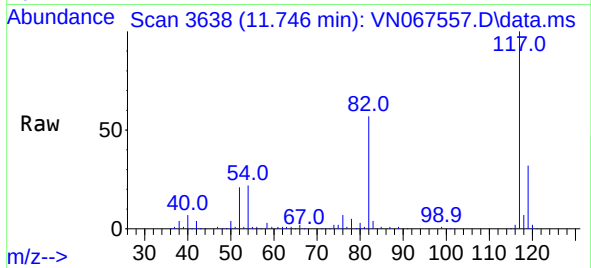




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

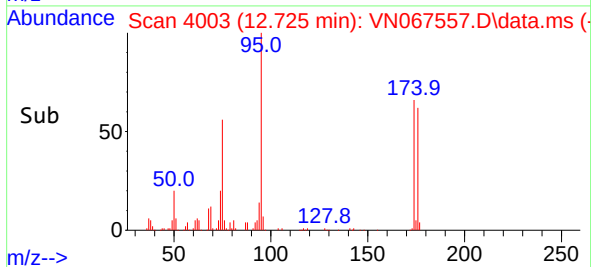
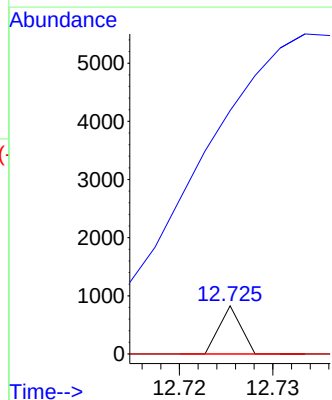
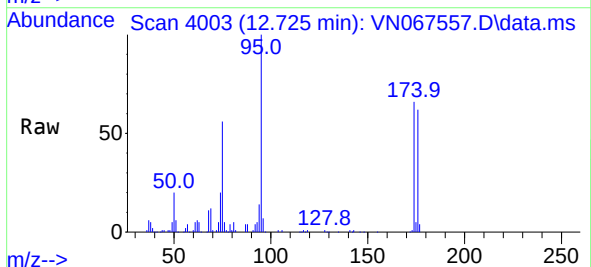
Instrument :
MSVOA_N
ClientSampleId :

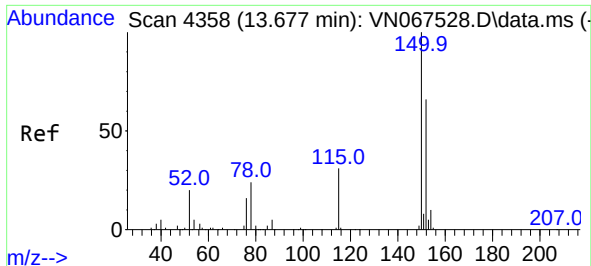
Tgt Ion:117 Resp: 402868
Ion Ratio Lower Upper
117 100
82 56.8 53.1 79.7
119 32.3 25.5 38.3



#71
Bromoform
Concen: 3.508 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion:173 Resp: 133
Ion Ratio Lower Upper
173 100
175 6711.3 23.9 71.8#
254 0.0 0.0 0.0

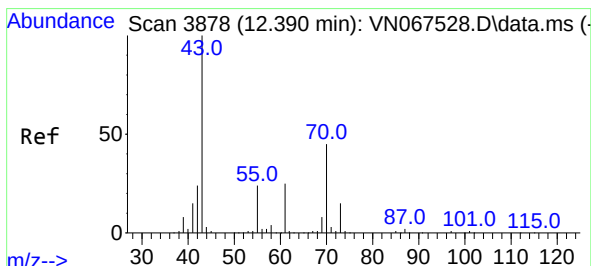
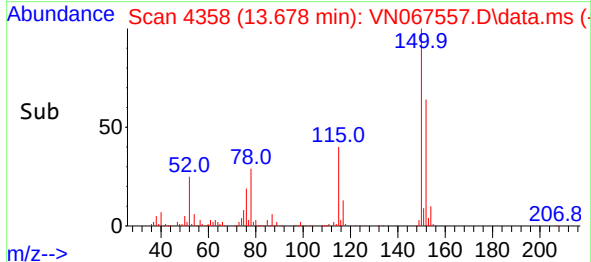
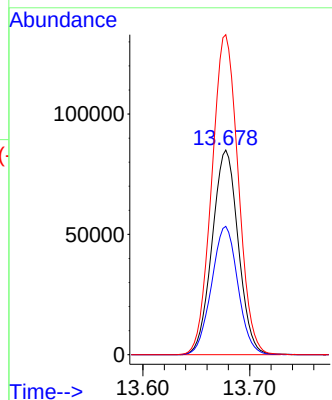
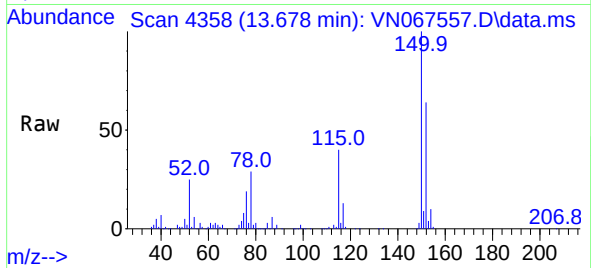




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

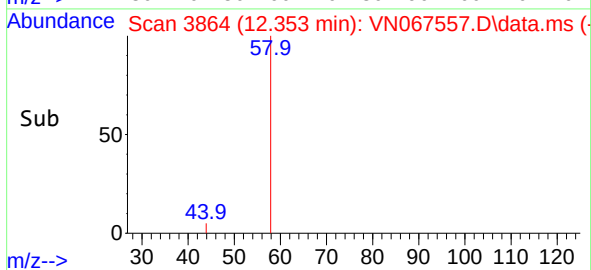
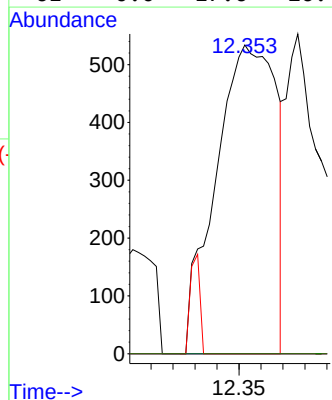
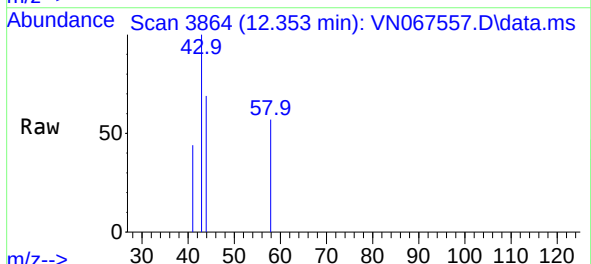
Instrument :
MSVOA_N
ClientSampleId :

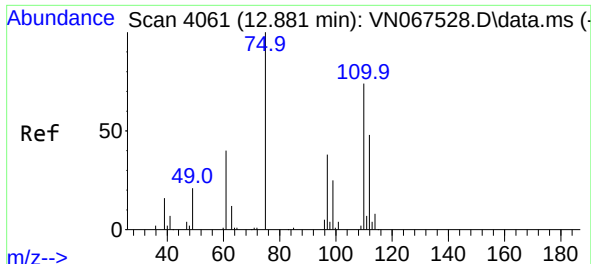
Tgt Ion:152 Resp: 144507
Ion Ratio Lower Upper
152 100
115 63.4 36.1 108.5
150 158.5 0.0 351.8



#74
N-ethyl acetate
Concen: 0.255 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.037 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 43 Resp: 1018
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#

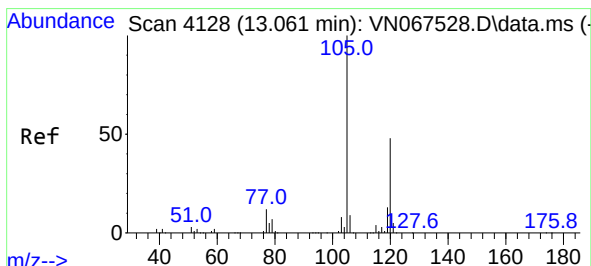
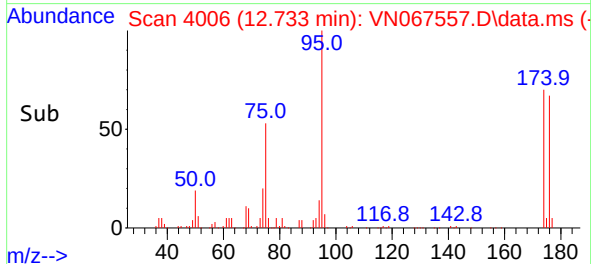
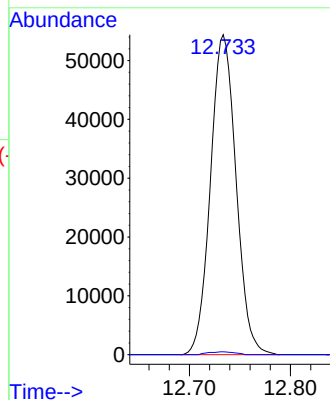
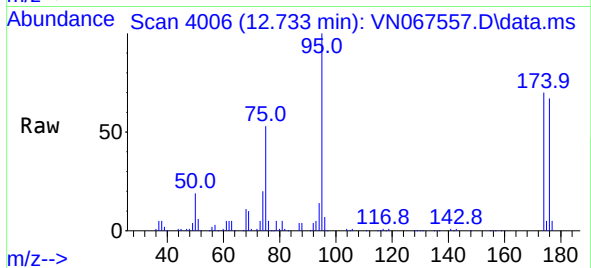




#76
1,2,3-Trichloropropane
Concen: 33.000 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

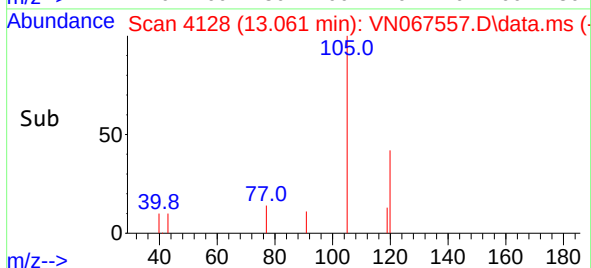
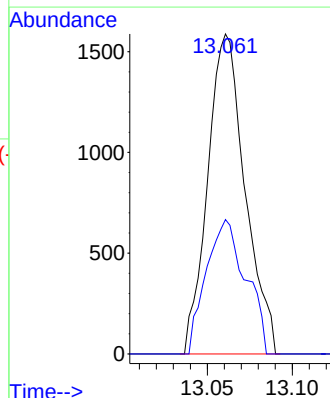
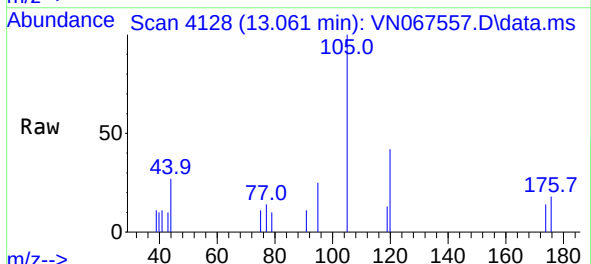
Instrument :
MSVOA_N
ClientSampled :

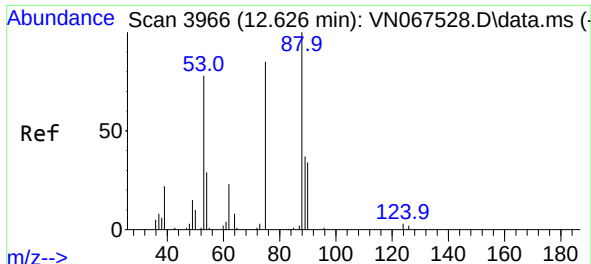
Tgt Ion: 75 Resp: 95585
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.244 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion:105 Resp: 2433
Ion Ratio Lower Upper
105 100
120 44.3 22.2 66.6

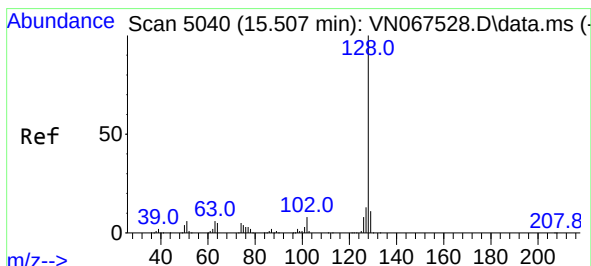
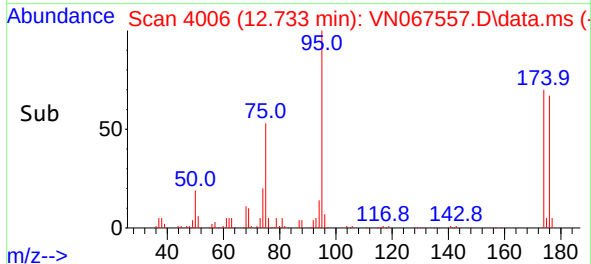
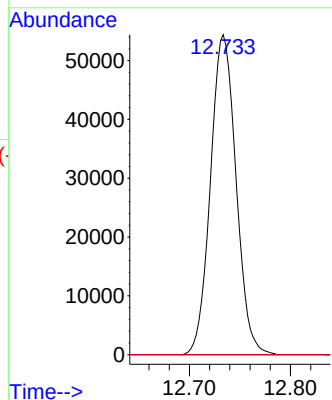
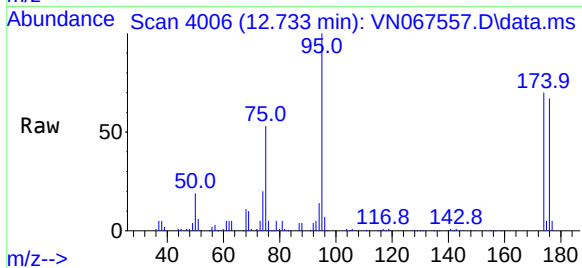




#81
trans-1,4-Dichloro-2-butene
Concen: 94.877 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 95585
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.571 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067557.D
Acq: 29 Jun 2021 16:52

Tgt Ion: 128 Resp: 2954
Ion Ratio Lower Upper
128 100
127 2.6 10.6 15.8#
129 0.0 8.6 12.8#

