

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067594.D
 Acq On : 1 Jul 2021 13:53
 Operator : JC/MD
 Sample : VN0701WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 06:44:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

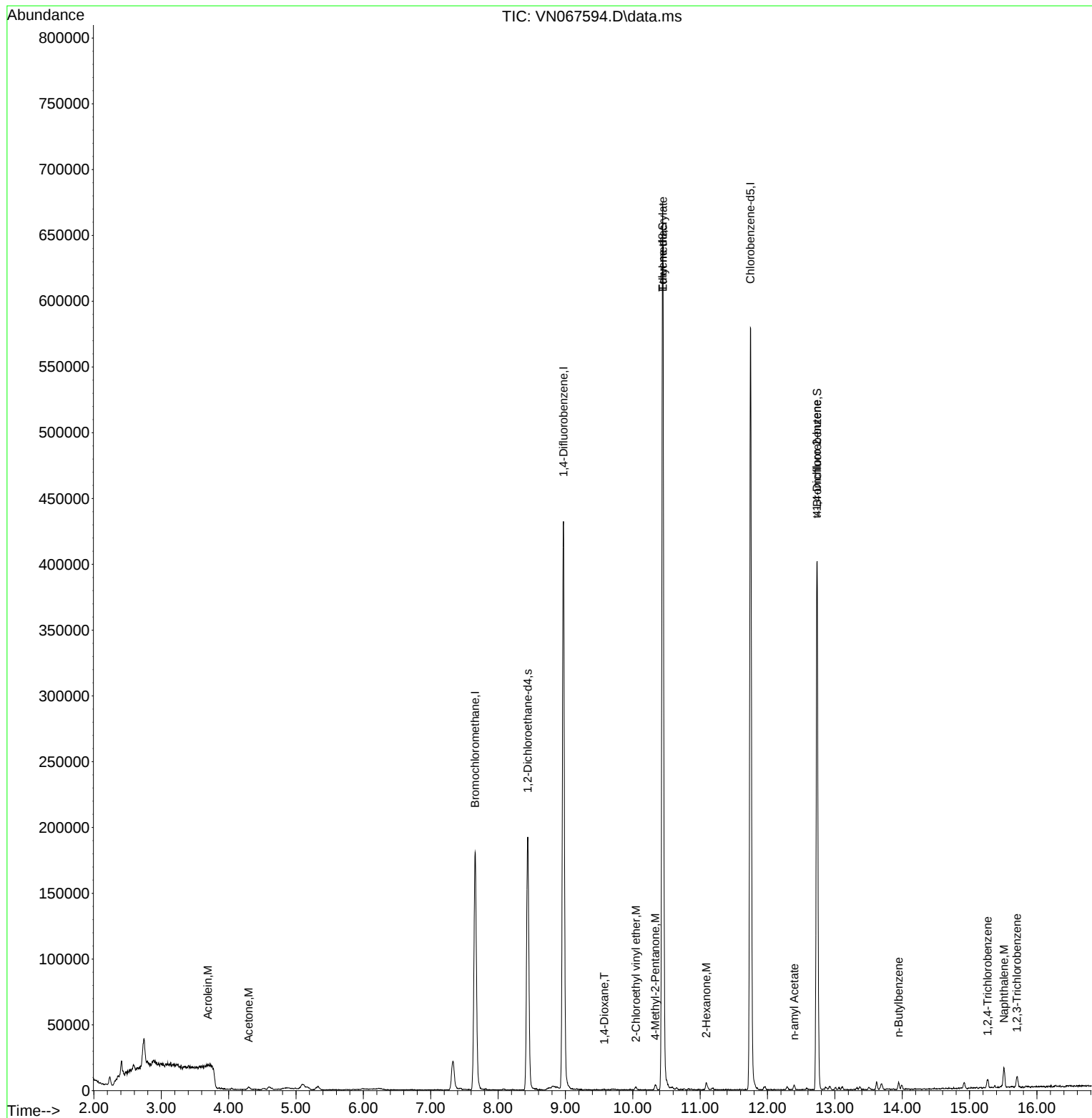
Internal Standards						
1) Bromochloromethane	7.659	128	62886	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	377161	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.747	117	327536	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	163932	32.259	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.533%	
60) 4-Bromofluorobenzene	12.736	95	137156	25.741	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 85.800%	
63) Toluene-d8	10.443	98	466727	31.142	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.800%	
Target Compounds						
						Qvalue
13) Acrolein	3.690	56	216	0.391	ug/l	93
15) Acetone	4.296	58	230	0.539	ug/l	# 1
45) 1,4-Dioxane	9.577	88	79	0.971	ug/l	# 1
47) n-amyl Acetate	12.396	43	2320	0.266	ug/l	# 77
51) Ethyl methacrylate	10.446	69	1909	0.255	ug/l	94
55) 2-Chloroethyl vinyl ether	10.046	63	1256	0.787	ug/l	# 50
58) 4-Methyl-2-Pentanone	10.333	43	1738	0.305	ug/l	# 83
59) 2-Hexanone	11.092	43	4917	1.238	ug/l	# 93
77) t-1,4-Dichloro-2-butene	12.734	75	77373	44.881	ug/l	# 6
85) n-Butylbenzene	13.946	91	3633	0.267	ug/l	92
89) 1,2,4-Trichlorobenzene	15.268	180	2309	0.630	ug/l	# 87
91) Naphthalene	15.509	128	13220	1.170	ug/l	# 93
92) 1,2,3-Trichlorobenzene	15.703	180	2573	0.736	ug/l	71

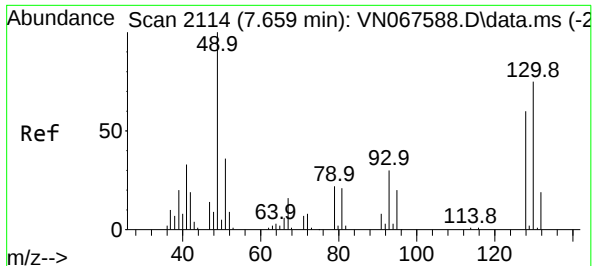
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
Data File : VN067594.D
Acq On : 1 Jul 2021 13:53
Operator : JC/MD
Sample : VN0701WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

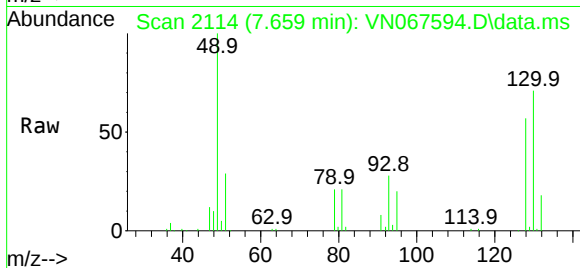
Quant Time: Jul 02 06:44:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 01 12:09:22 2021
Response via : Initial Calibration



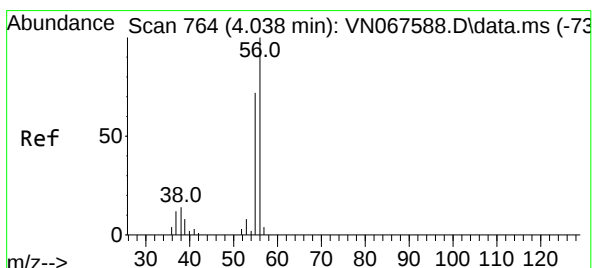
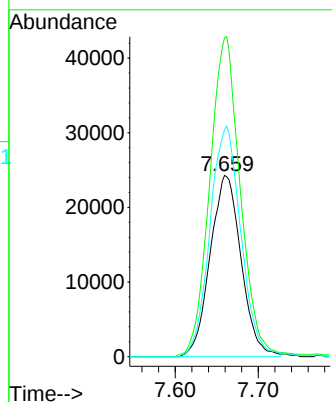
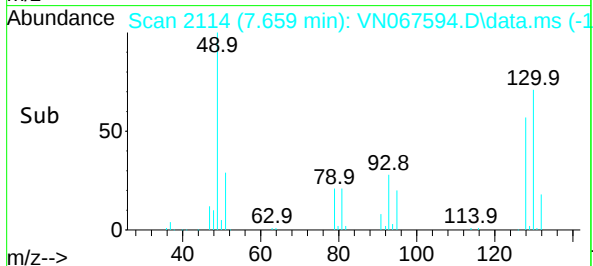


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

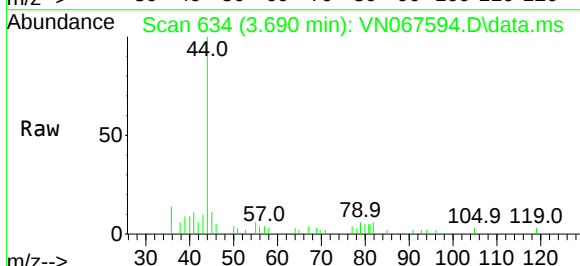
Instrument :
MSVOA_N
ClientSampled :



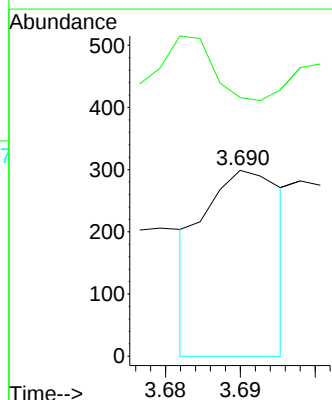
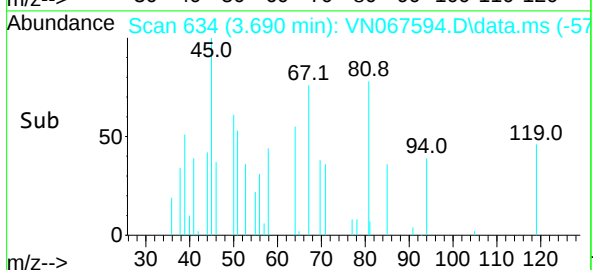
Tgt Ion:128 Resp: 62886
Ion Ratio Lower Upper
128 100
49 173.4 0.0 517.5
130 127.7 0.0 325.8

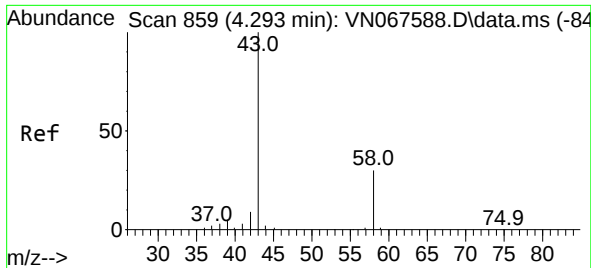


#13
Acrolein
Concen: 0.391 ug/l
RT: 3.690 min Scan# 634
Delta R.T. -0.348 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53



Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 65.7 57.5 86.3

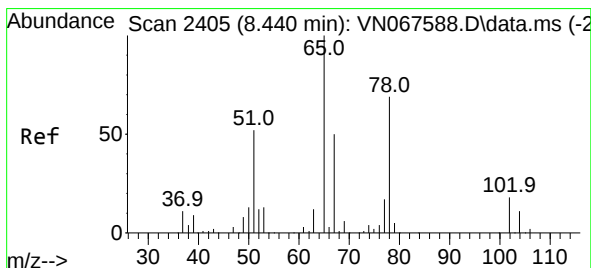
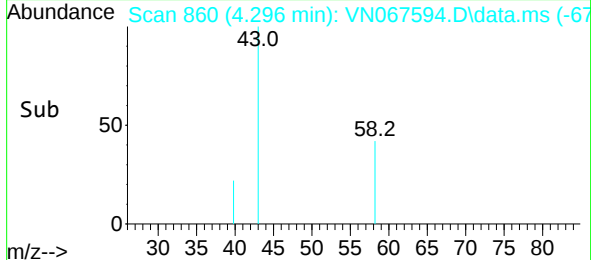
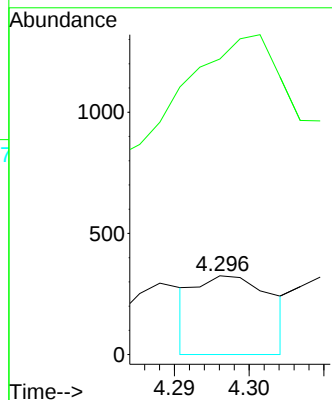
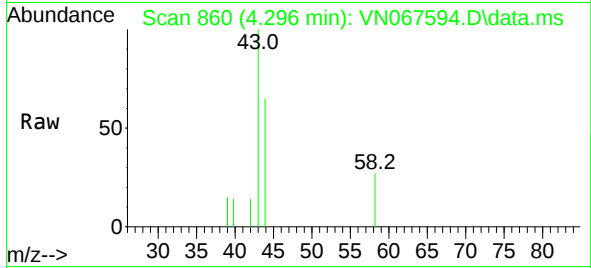




#15
Acetone
Concen: 0.539 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

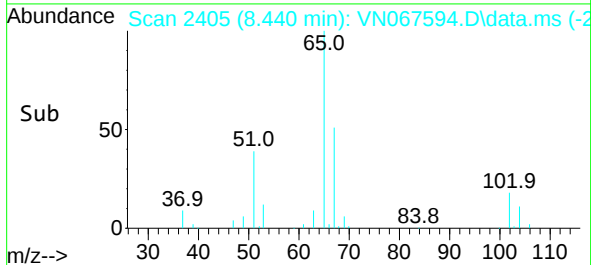
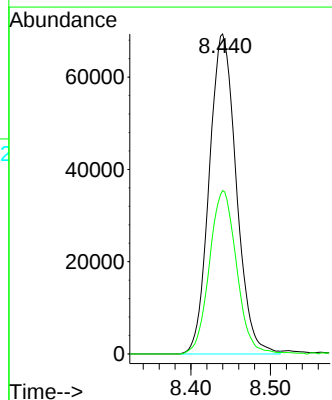
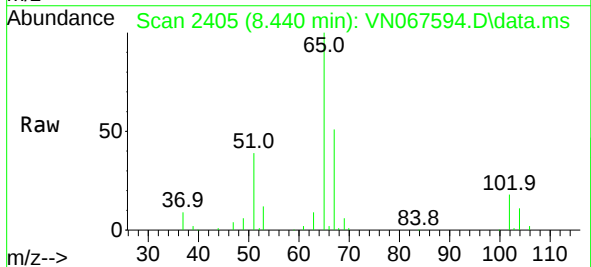
Instrument :
MSVOA_N
ClientSampled :

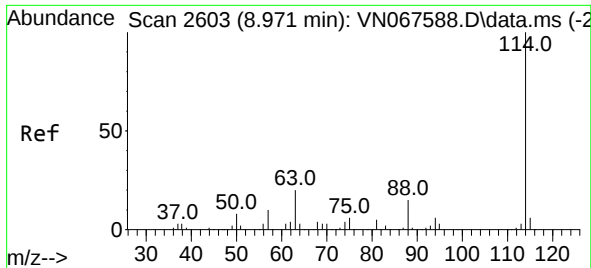
Tgt Ion: 58 Resp: 230
Ion Ratio Lower Upper
58 100
43 138.1 289.6 434.4#



#27
1,2-Dichloroethane-d4
Concen: 32.259 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

Tgt Ion: 65 Resp: 163932
Ion Ratio Lower Upper
65 100
67 51.1 39.8 59.8

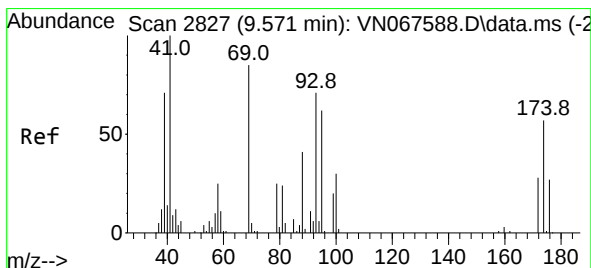
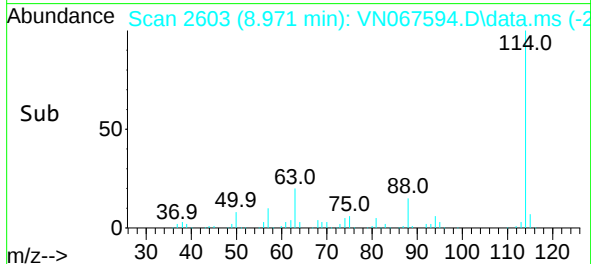
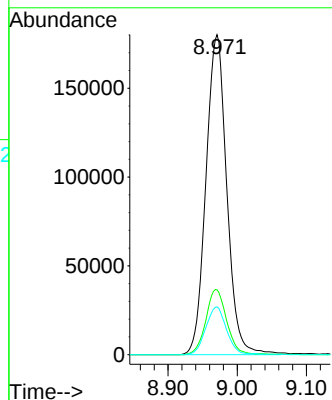
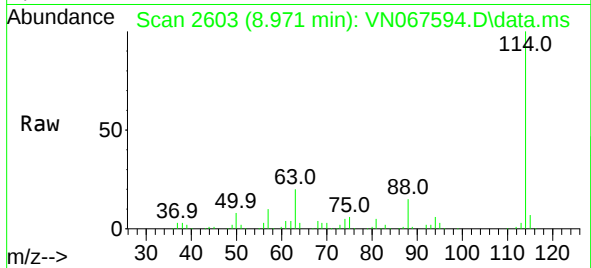




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

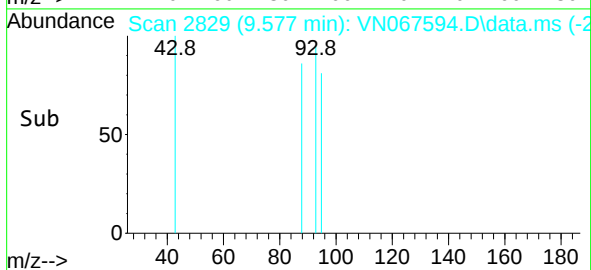
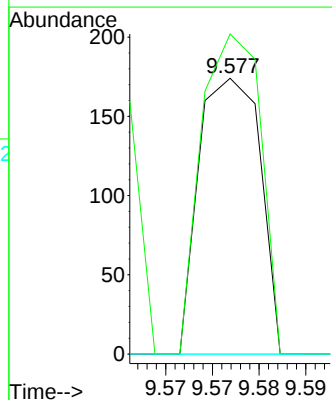
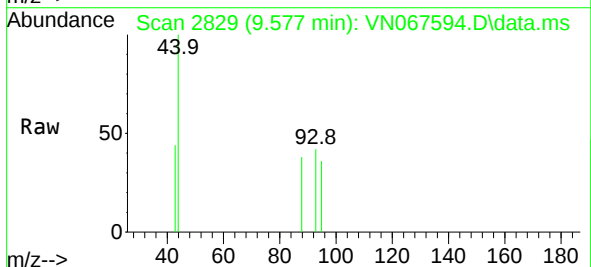
Instrument :
MSVOA_N
ClientSampled :

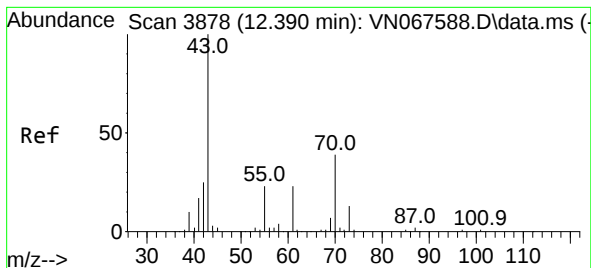
Tgt Ion:114 Resp: 377161
Ion Ratio Lower Upper
114 100
63 20.3 20.3 30.5#
88 14.8 14.6 22.0



#45
1,4-Dioxane
Concen: 0.971 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 112.7 18.0 27.0#
58 0.0 57.7 86.5#

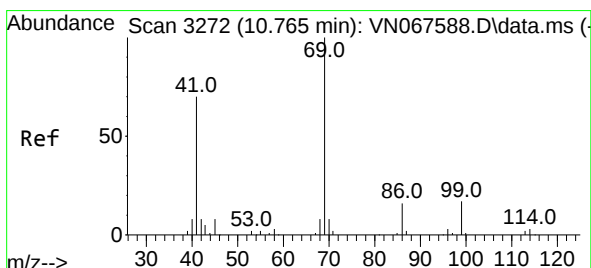
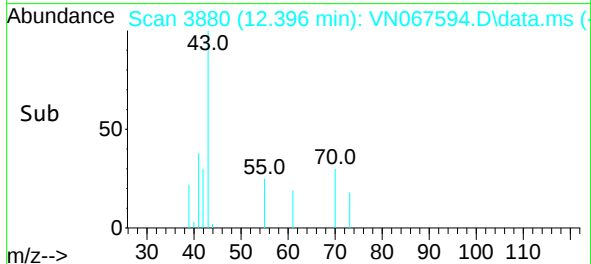
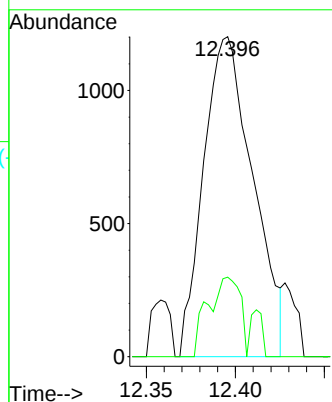
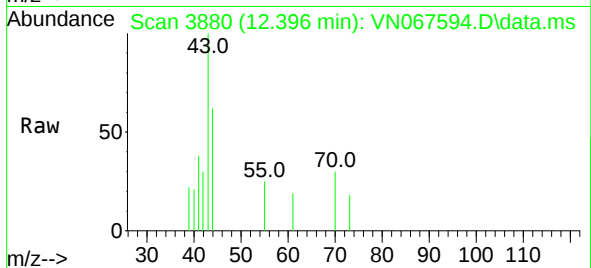




#47
n-amy1 Acetate
Concen: 0.266 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

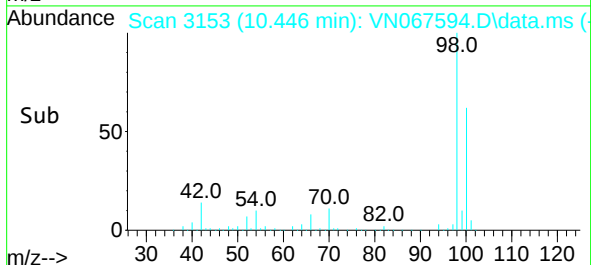
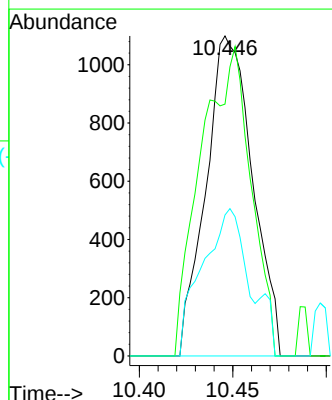
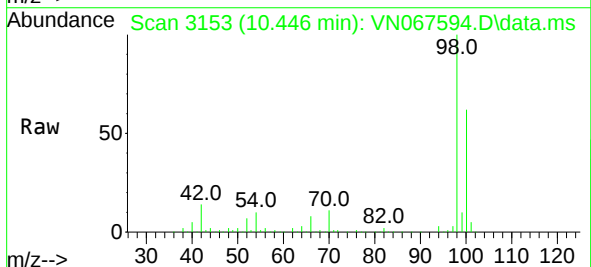
Instrument :
MSVOA_N
ClientSampled :

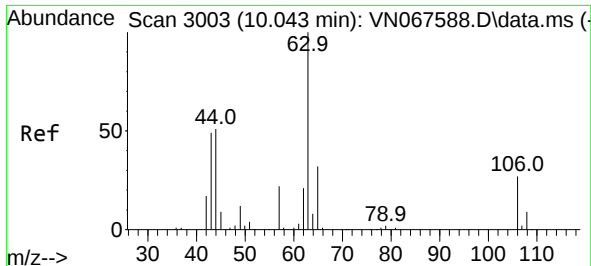
Tgt Ion: 43 Resp: 2320
Ion Ratio Lower Upper
43 100
55 11.0 17.6 26.4#



#51
Ethyl methacrylate
Concen: 0.255 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.319 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

Tgt Ion: 69 Resp: 1909
Ion Ratio Lower Upper
69 100
41 78.7 36.8 110.4
39 44.0 23.8 71.2

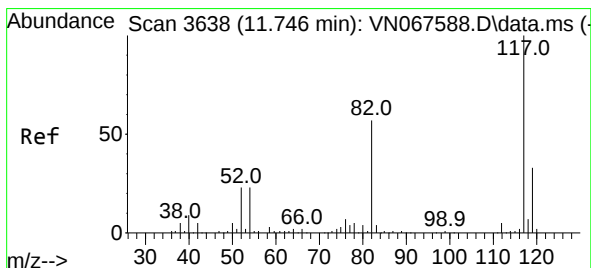
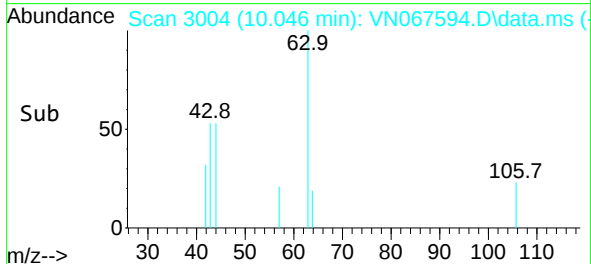
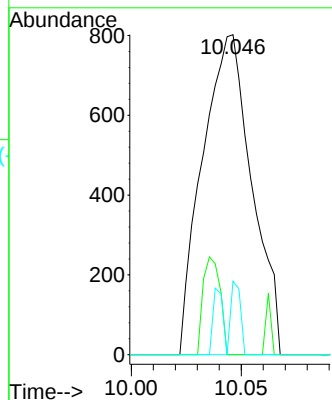
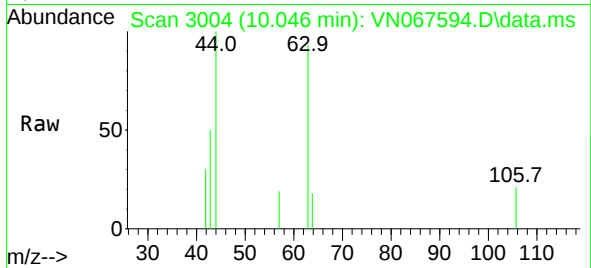




#55
2-Chloroethyl vinyl ether
Concen: 0.787 ug/l
RT: 10.046 min Scan# 3004
Delta R.T. 0.003 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

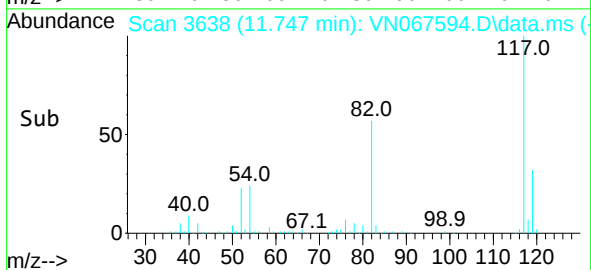
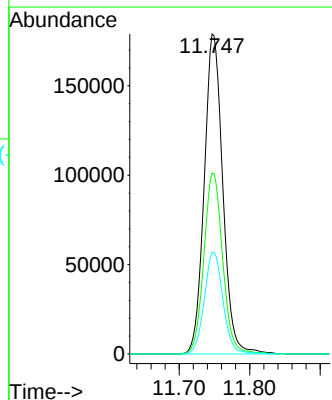
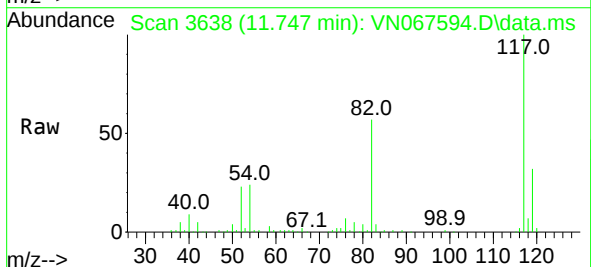
Instrument :
MSVOA_N
ClientSampled :

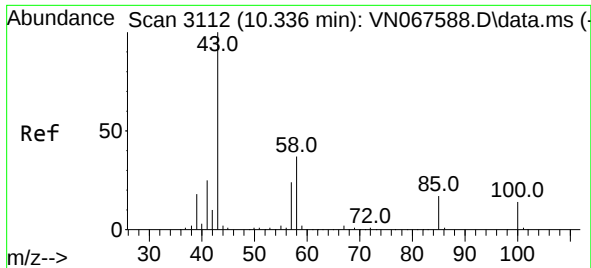
Tgt Ion: 63 Resp: 1256
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#
106 4.5 20.0 30.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

Tgt Ion: 117 Resp: 327536
Ion Ratio Lower Upper
117 100
82 57.0 52.5 78.7
119 32.0 25.8 38.8

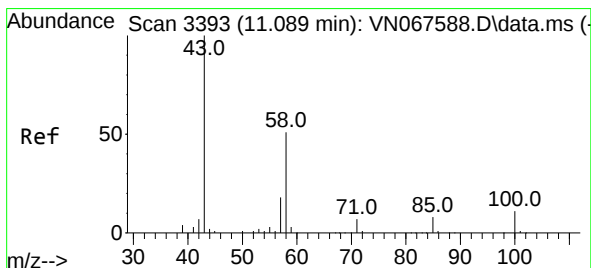
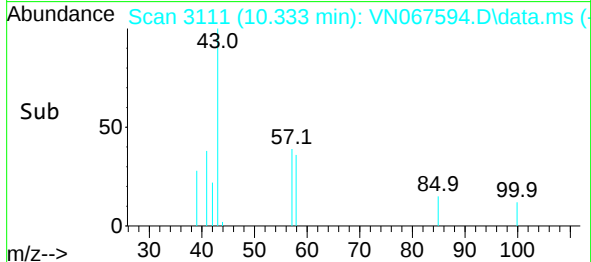
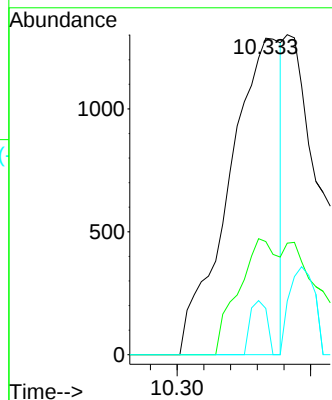
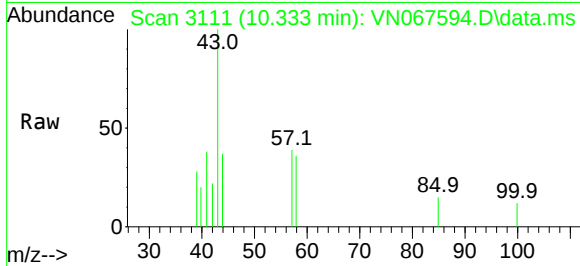




#58
4-Methyl-2-Pentanone
Concen: 0.305 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

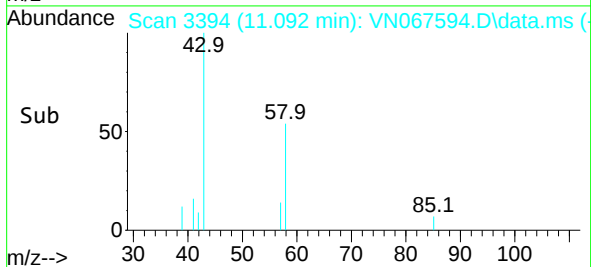
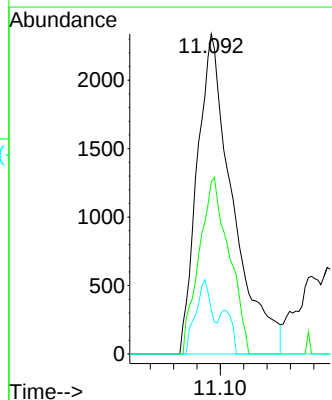
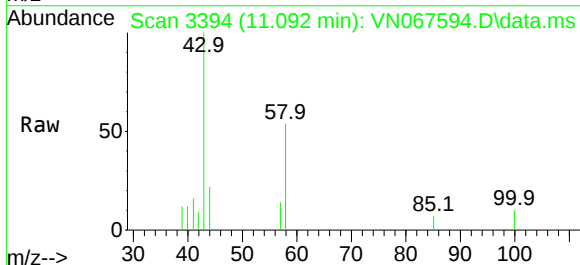
Instrument :
MSVOA_N
ClientSampled :

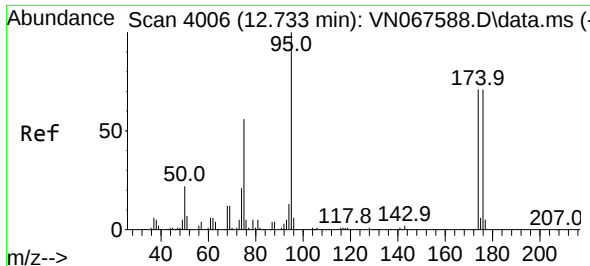
Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
58 28.4 29.0 43.4#
85 5.5 13.2 19.8#



#59
2-Hexanone
Concen: 1.238 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

Tgt Ion: 43 Resp: 4917
Ion Ratio Lower Upper
43 100
58 46.7 39.4 59.0
57 10.9 14.4 21.6#

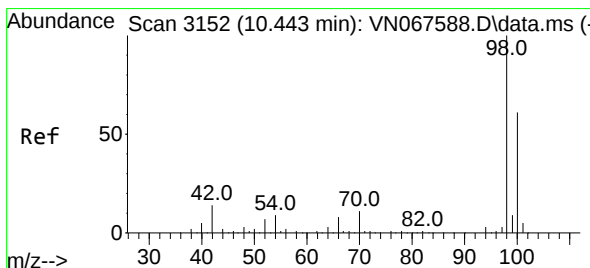
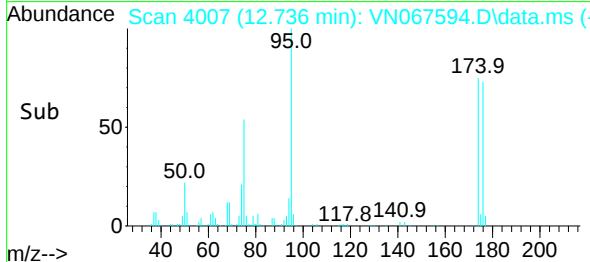
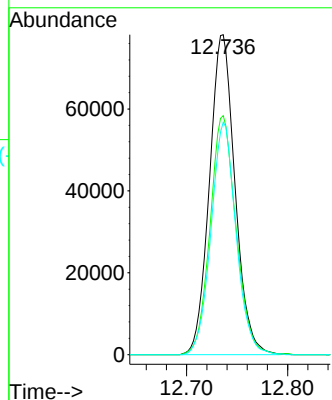
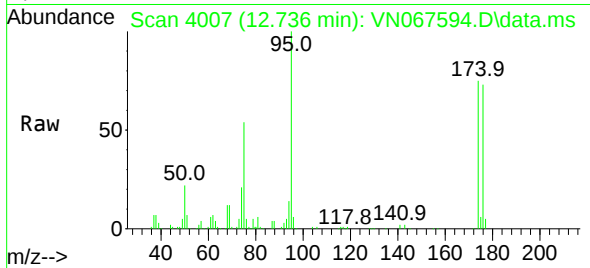




#60
4-Bromofluorobenzene
Concen: 25.741 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

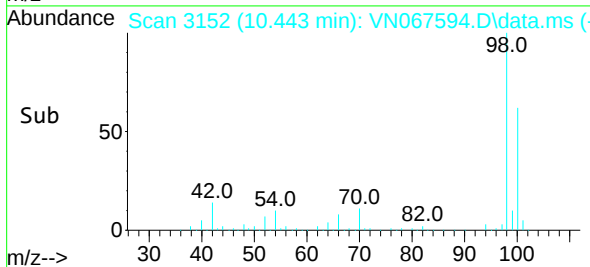
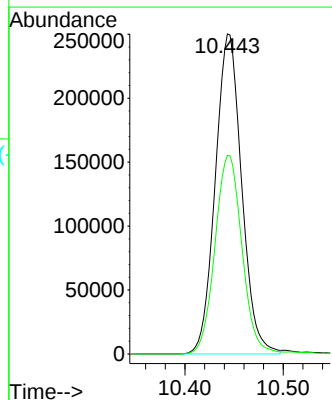
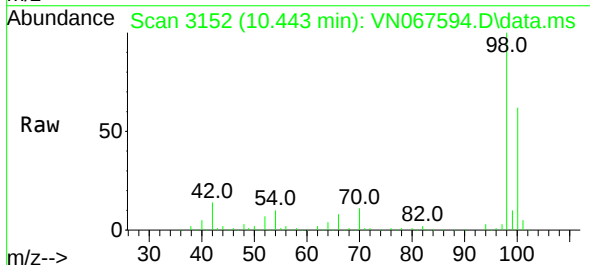
Instrument :
MSVOA_N
ClientSampled :

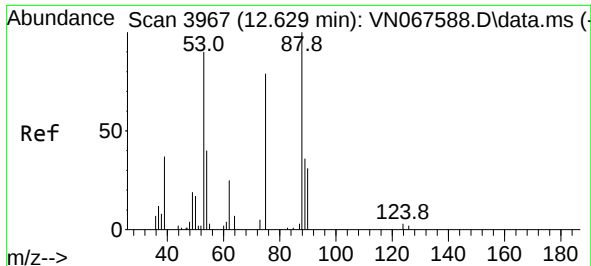
Tgt Ion: 95 Resp: 137156
Ion Ratio Lower Upper
95 100
174 75.9 47.7 71.5#
176 71.3 45.7 68.5#



#63
Toluene-d8
Concen: 31.142 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

Tgt Ion: 98 Resp: 466727
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8

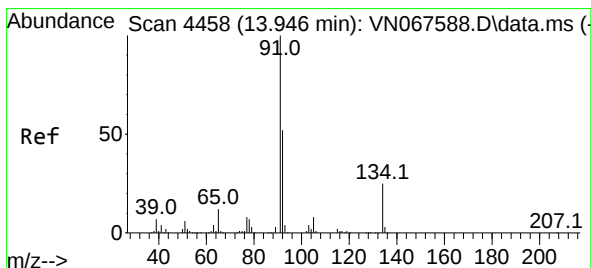
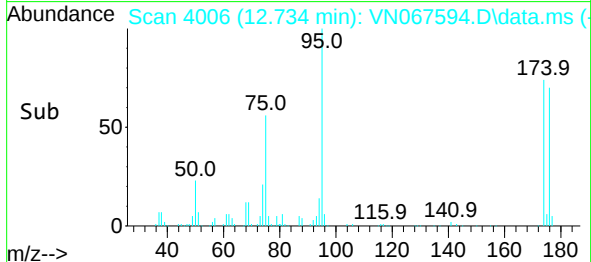
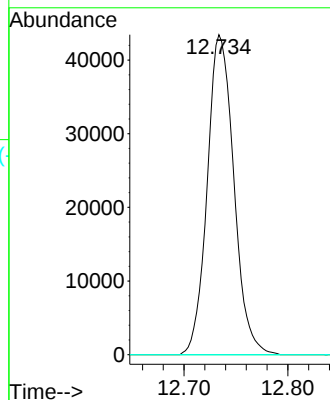
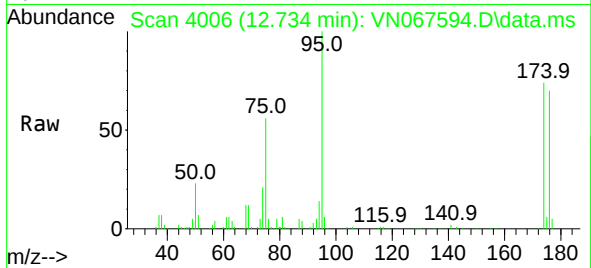




#77
t-1,4-Dichloro-2-butene
Concen: 44.881 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

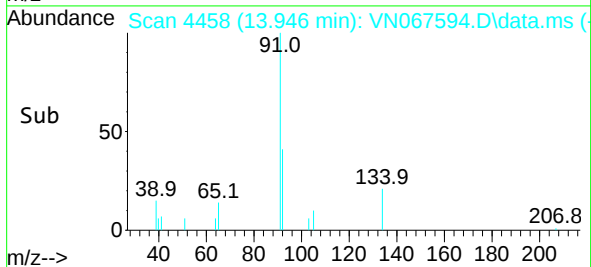
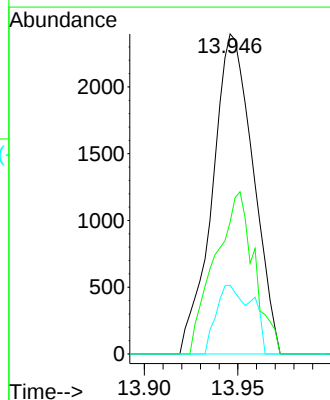
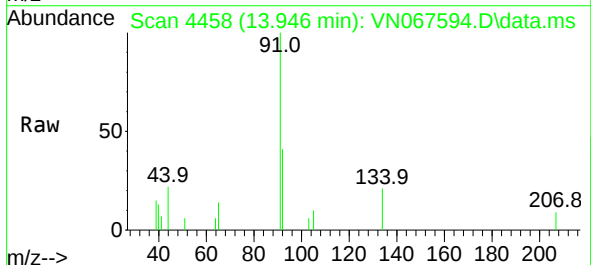
Instrument :
MSVOA_N
ClientSampled :

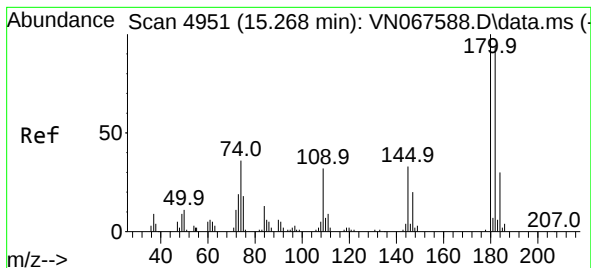
Tgt Ion: 75 Resp: 77373
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#



#85
n-Butylbenzene
Concen: 0.267 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.000 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

Tgt Ion: 91 Resp: 3633
Ion Ratio Lower Upper
91 100
92 48.7 0.0 103.0
134 13.8 0.0 43.6

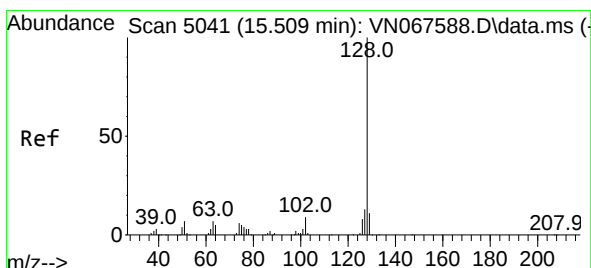
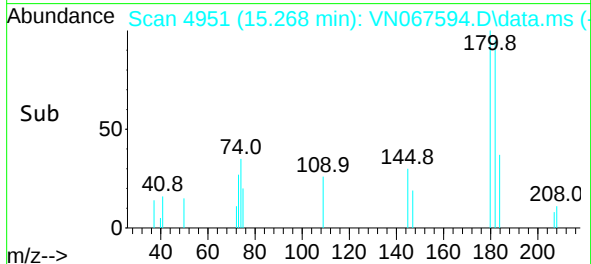
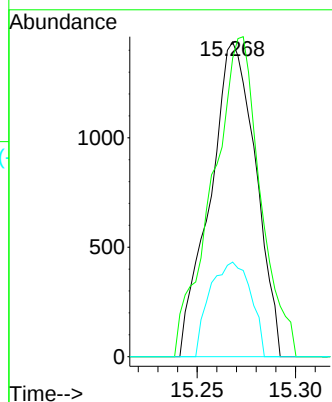
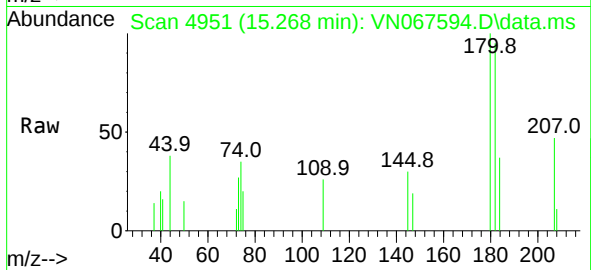




#89
1,2,4-Trichlorobenzene
Concen: 0.630 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.000 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

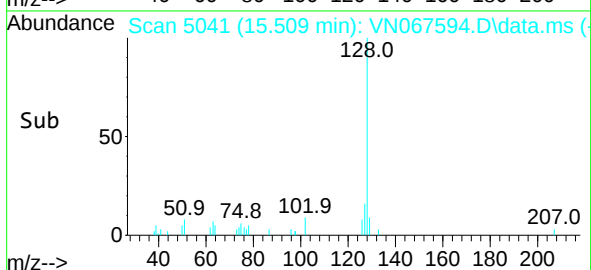
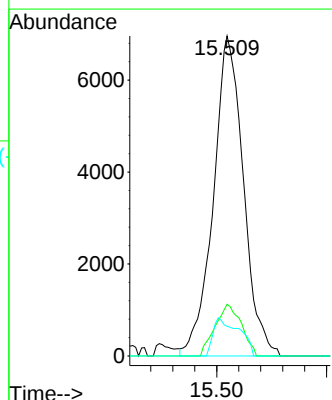
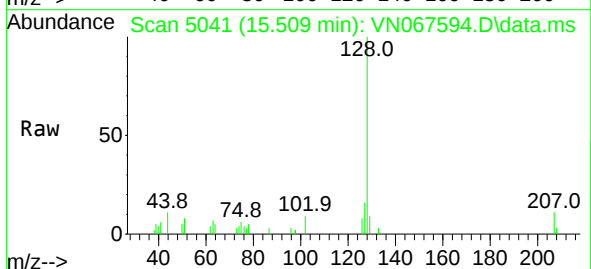
Instrument :
MSVOA_N
ClientSampled :

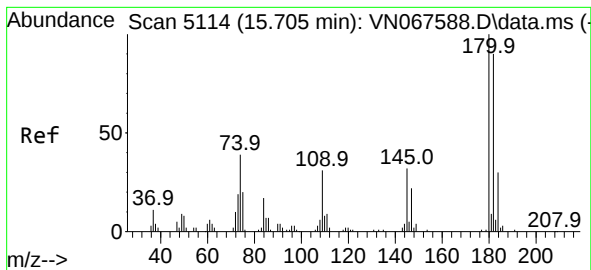
Tgt Ion:180 Resp: 2309
Ion Ratio Lower Upper
180 100
182 107.2 75.9 113.9
145 27.1 28.8 43.2#



#91
Naphthalene
Concen: 1.170 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067594.D
Acq: 1 Jul 2021 13:53

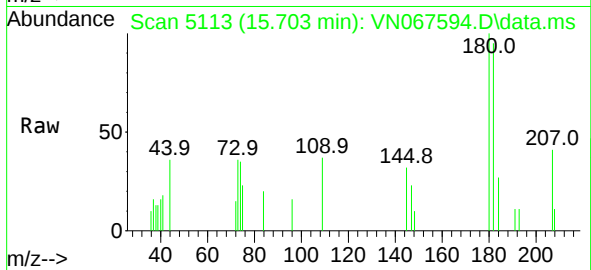
Tgt Ion:128 Resp: 13220
Ion Ratio Lower Upper
128 100
127 14.1 10.1 15.1
129 6.7 8.9 13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.736 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. -0.003 min
 Lab File: VN067594.D
 Acq: 1 Jul 2021 13:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2573

Ion	Ratio	Lower	Upper
180	100		
182	114.3	0.0	184.6
145	12.4	0.0	76.0

