

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067683.D
 Acq On : 9 Jul 2021 14:15
 Operator : JC/MD
 Sample : M2975-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 10 05:18:56 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)

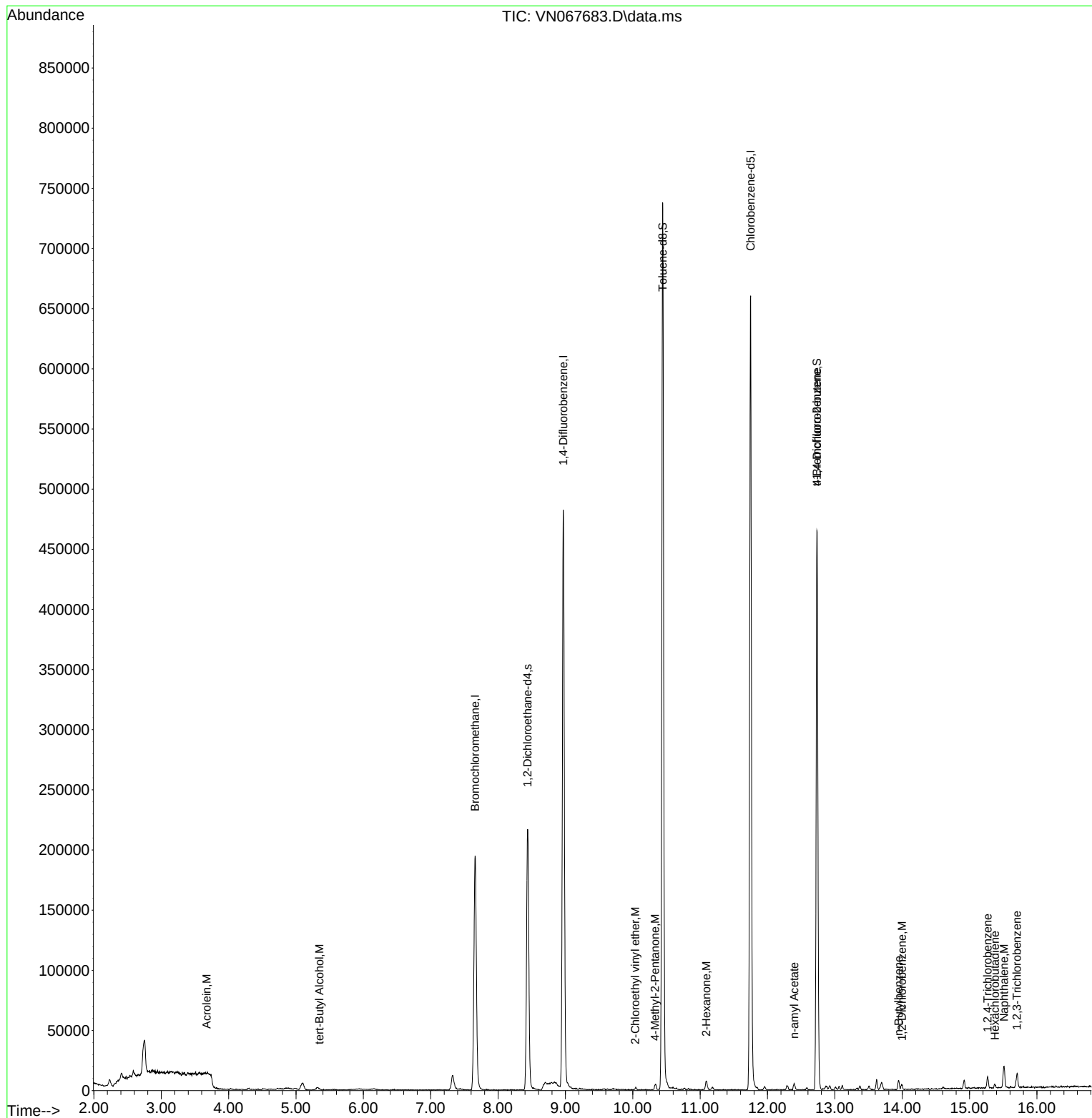
Internal Standards						
1) Bromochloromethane	7.659	128	68508	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	414680	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	379062	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	188604	34.068	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	113.567%#
60) 4-Bromofluorobenzene	12.733	95	165000	26.757	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.200%
63) Toluene-d8	10.443	98	513785	29.622	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.733%
Target Compounds						
					Qvalue	
13) Acrolein	3.674	56	131	0.217	ug/l	87
23) tert-Butyl Alcohol	5.347	59	157	0.208	ug/l #	14
47) n-amyl Acetate	12.396	43	3147	0.328	ug/l #	88
55) 2-Chloroethyl vinyl ether	10.035	63	443	0.253	ug/l #	85
58) 4-Methyl-2-Pentanone	10.330	43	1539	0.233	ug/l #	77
59) 2-Hexanone	11.089	43	6466	1.407	ug/l	91
77) t-1,4-Dichloro-2-butene	12.733	75	94094	47.162	ug/l #	6
85) n-Butylbenzene	13.948	91	4953	0.315	ug/l	72
87) 1,2-Dichlorobenzene	13.997	146	2003	0.203	ug/l	79
89) 1,2,4-Trichlorobenzene	15.268	180	3234	0.762	ug/l #	72
90) Hexachlorobutadiene	15.375	225	591	0.300	ug/l	69
91) Naphthalene	15.512	128	16565	1.267	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.702	180	2556	0.631	ug/l	38

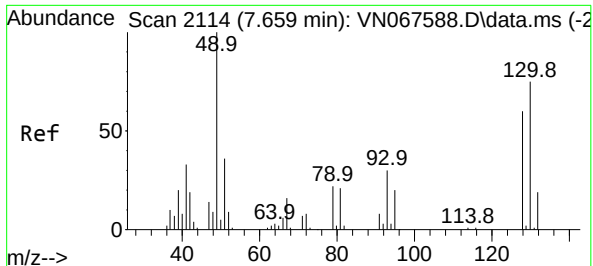
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
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MSVOA_N
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Quant Time: Jul 10 05:18:56 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
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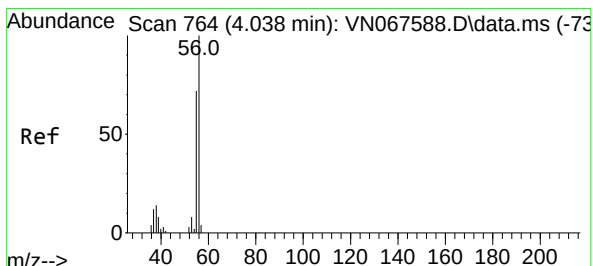
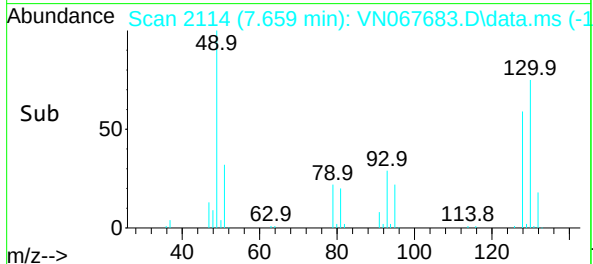
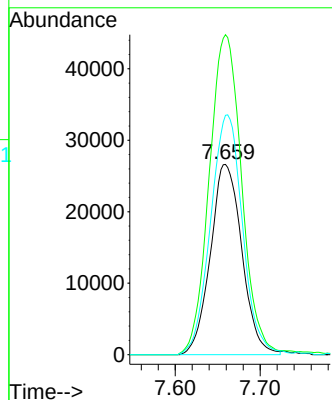
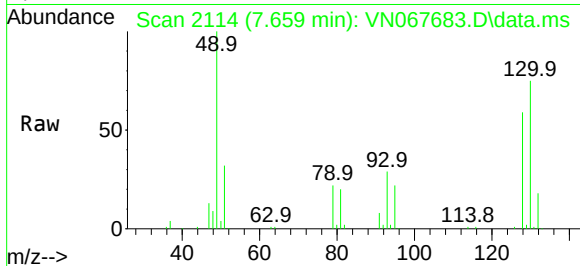




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

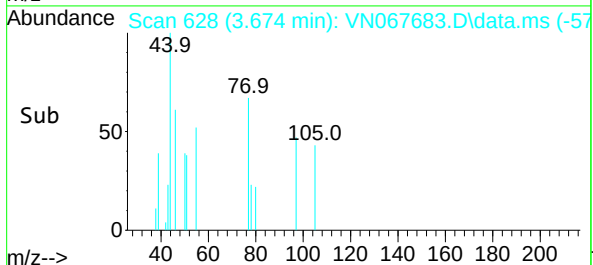
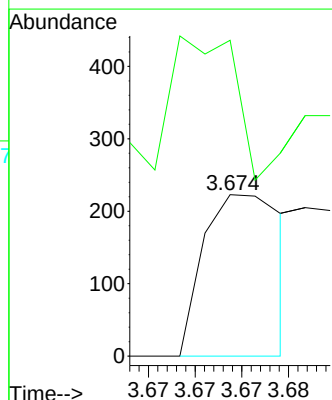
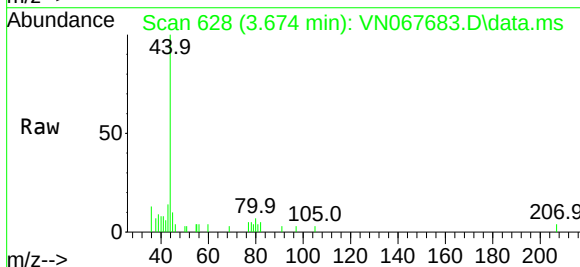
Instrument :
MSVOA_N
ClientSampleId :
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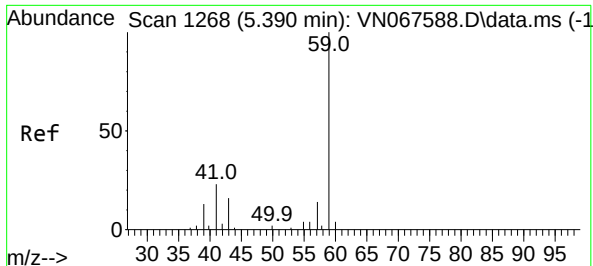
Tgt Ion:128 Resp: 68508
Ion Ratio Lower Upper
128 100
49 172.6 0.0 517.5
130 128.3 0.0 325.8



#13
Acrolein
Concen: 0.217 ug/l
RT: 3.674 min Scan# 628
Delta R.T. -0.365 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 82.4 57.5 86.3



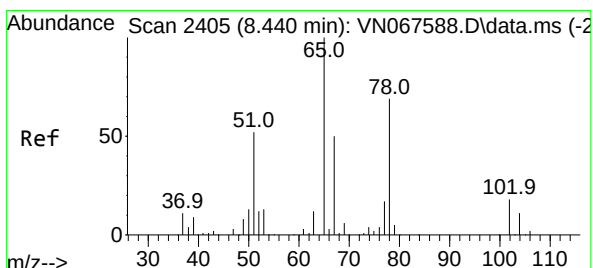
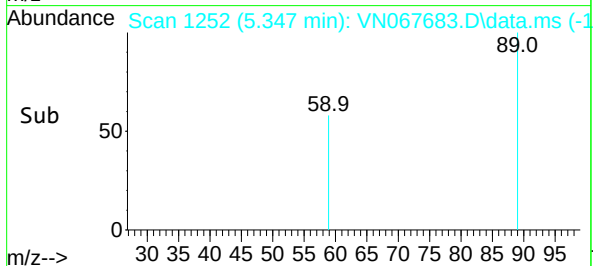
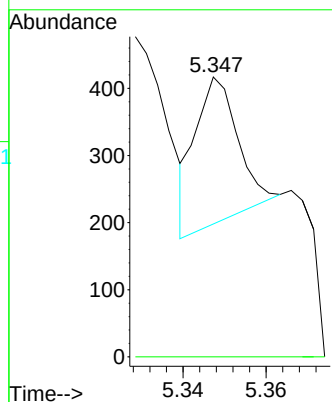
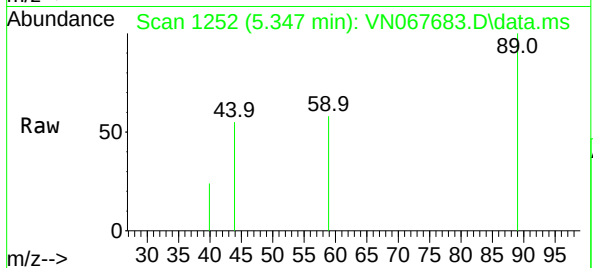


#23

tert-Butyl Alcohol
Concen: 0.208 ug/l
RT: 5.347 min Scan# 1252
Delta R.T. -0.043 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

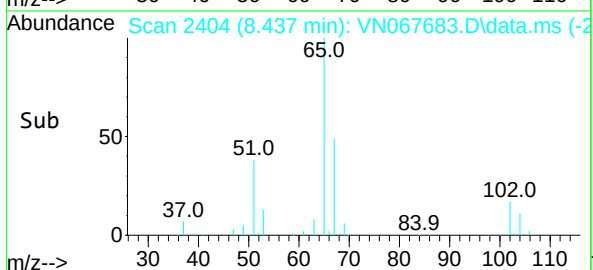
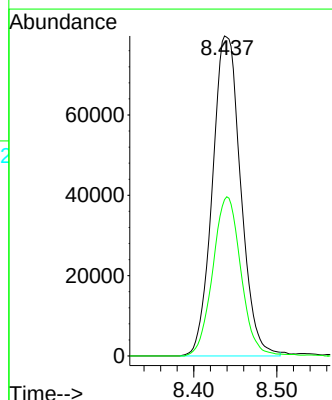
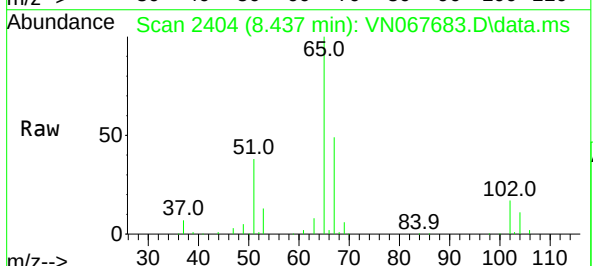
Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
52 202.5 0.1 0.1#

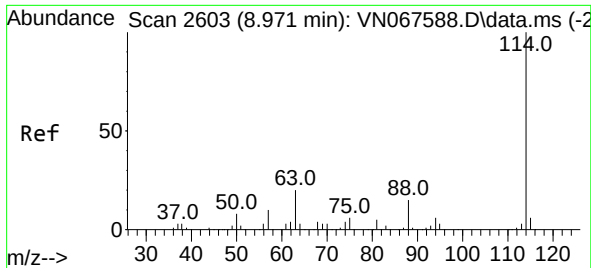


#27

1,2-Dichloroethane-d4
Concen: 34.068 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

Tgt Ion: 65 Resp: 188604
Ion Ratio Lower Upper
65 100
67 49.5 39.8 59.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.003 min

Lab File: VN067683.D

Acq: 9 Jul 2021 14:15

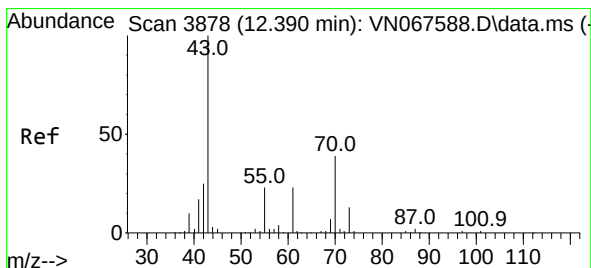
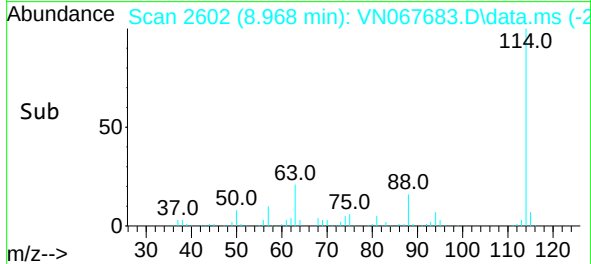
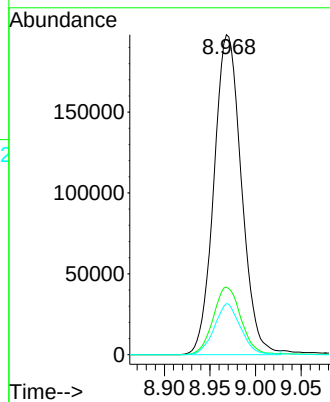
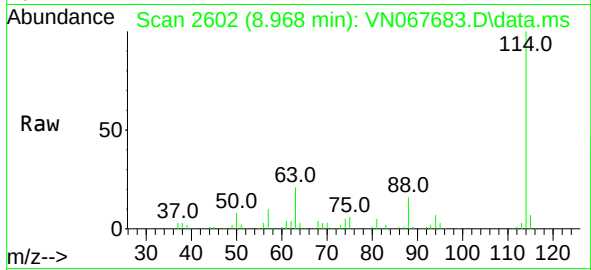
Tgt Ion:114 Resp: 414680

Ion Ratio Lower Upper

114 100

63 21.4 20.3 30.5

88 15.2 14.6 22.0



#47

n-amy1 Acetate

Concen: 0.328 ug/l

RT: 12.396 min Scan# 3880

Delta R.T. 0.005 min

Lab File: VN067683.D

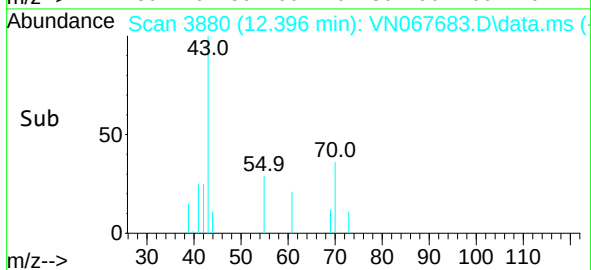
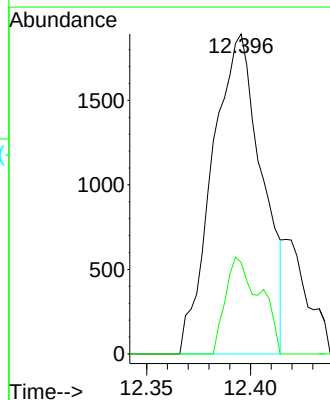
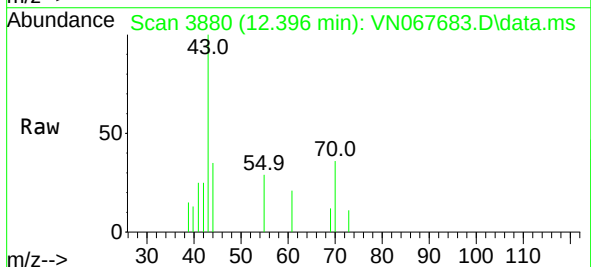
Acq: 9 Jul 2021 14:15

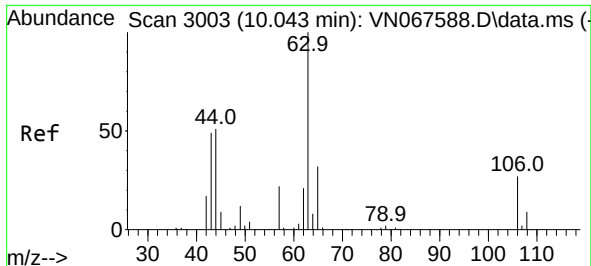
Tgt Ion: 43 Resp: 3147

Ion Ratio Lower Upper

43 100

55 16.4 17.6 26.4#

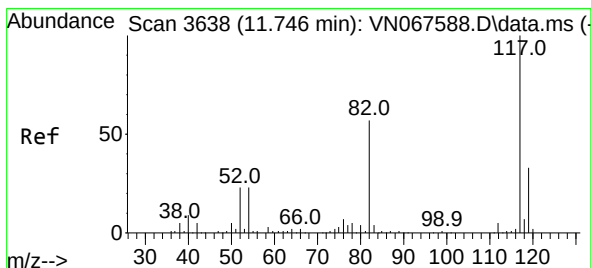
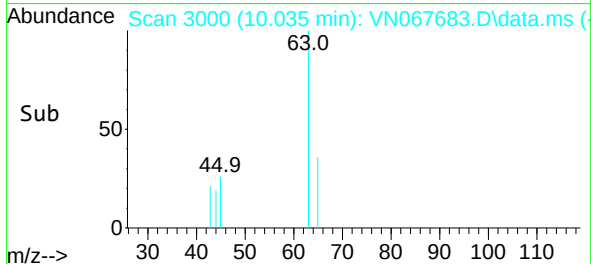
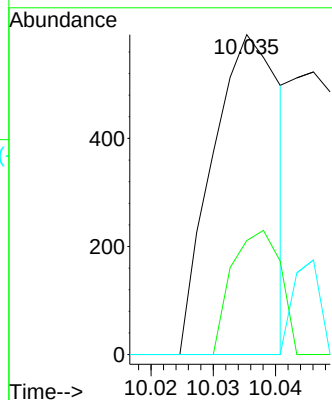
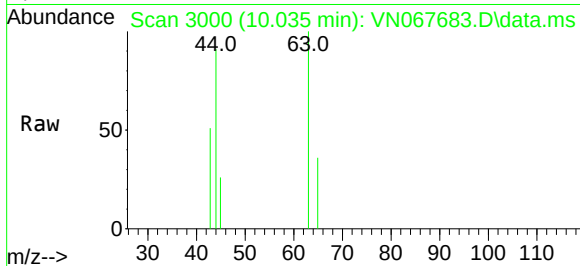




#55
2-Chloroethyl vinyl ether
Concen: 0.253 ug/l
RT: 10.035 min Scan# 3000
Delta R.T. -0.008 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

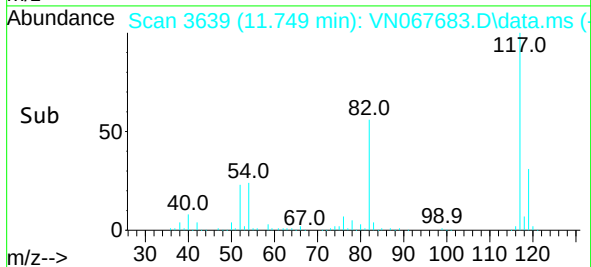
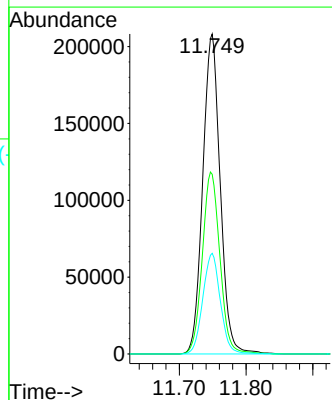
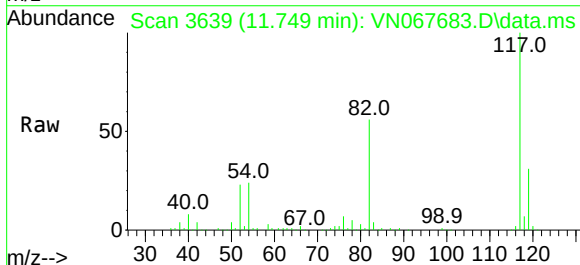
Instrument :
MSVOA_N
ClientSampled :
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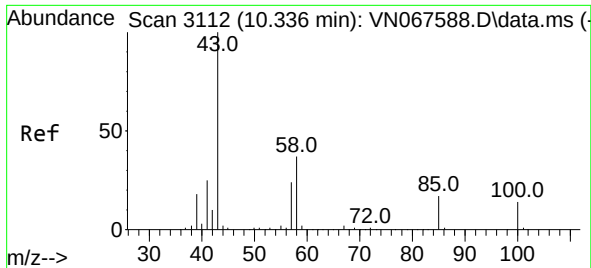
Tgt Ion: 63 Resp: 443
Ion Ratio Lower Upper
63 100
65 28.2 25.6 38.4
106 11.7 20.0 30.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

Tgt Ion: 117 Resp: 379062
Ion Ratio Lower Upper
117 100
82 57.3 52.5 78.7
119 31.4 25.8 38.8

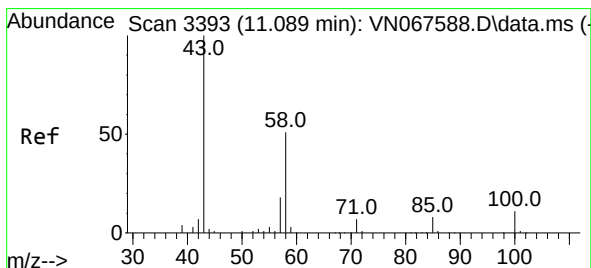
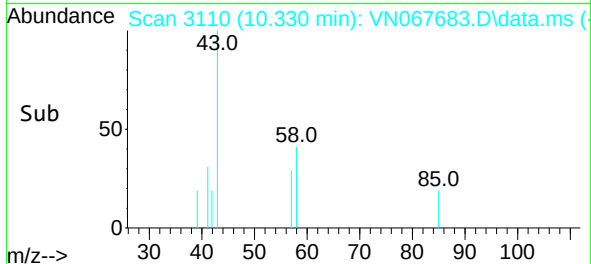
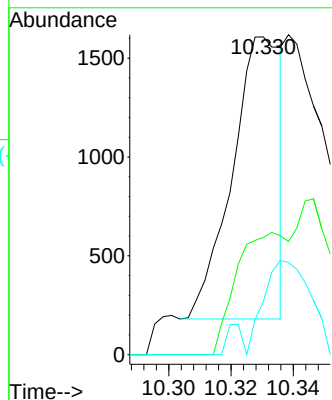
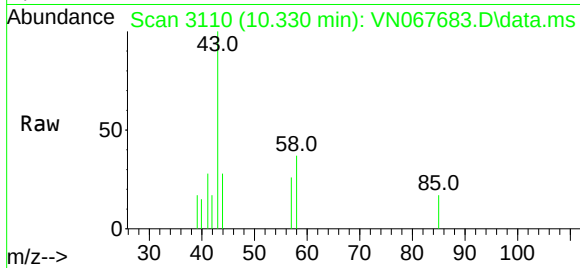




#58
4-Methyl-2-Pentanone
Concen: 0.233 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.005 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

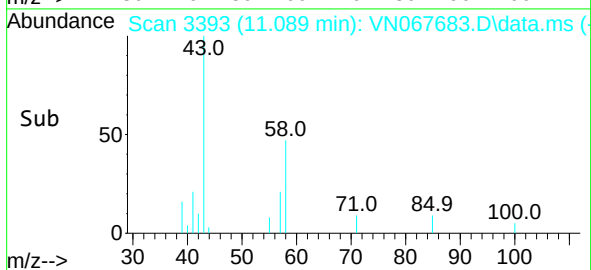
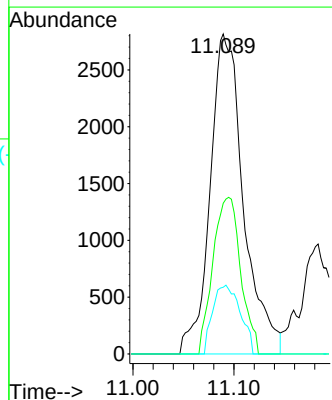
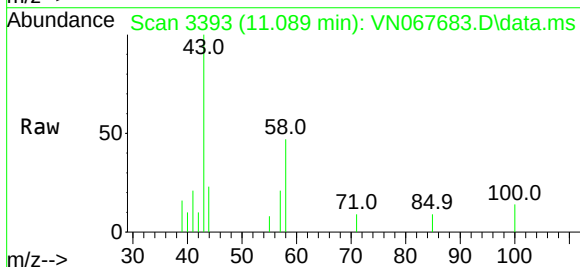
Instrument :
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ClientSampled :
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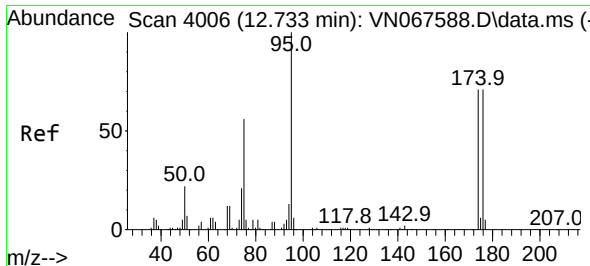
Tgt Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
58 46.3 29.0 43.4#
85 32.0 13.2 19.8#



#59
2-Hexanone
Concen: 1.407 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

Tgt Ion: 43 Resp: 6466
Ion Ratio Lower Upper
43 100
58 40.6 39.4 59.0
57 17.7 14.4 21.6

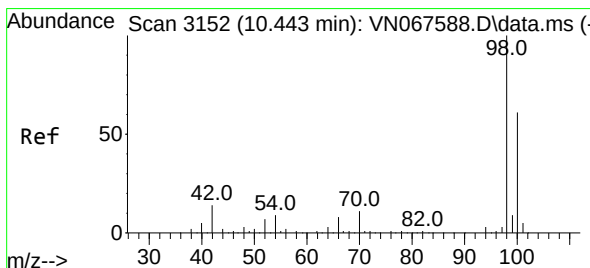
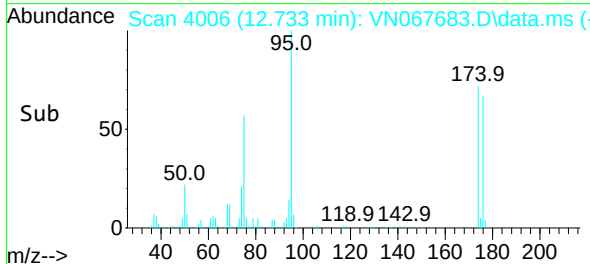
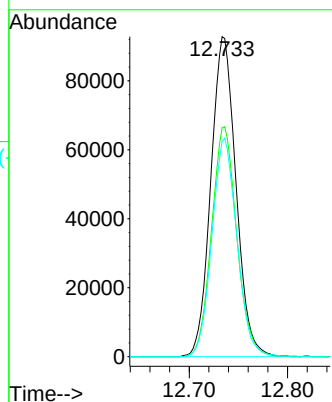
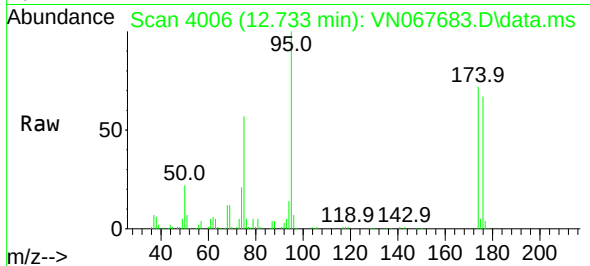




#60
4-Bromofluorobenzene
Concen: 26.757 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

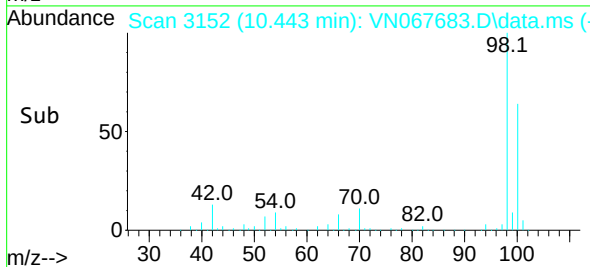
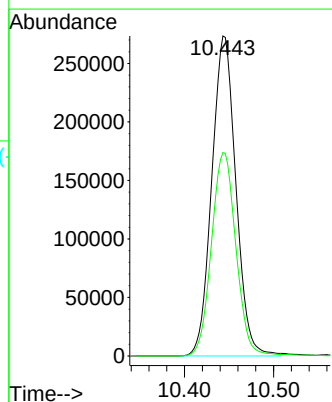
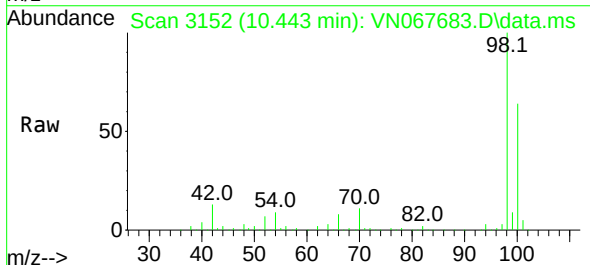
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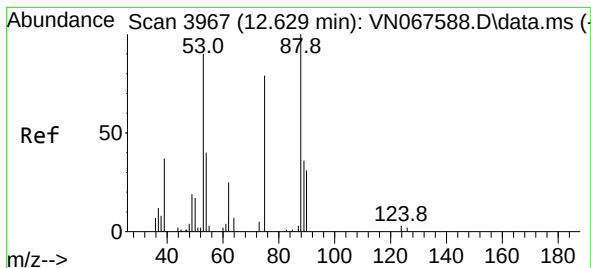
Tgt Ion: 95 Resp: 165000
Ion Ratio Lower Upper
95 100
174 71.9 47.7 71.5#
176 68.0 45.7 68.5



#63
Toluene-d8
Concen: 29.622 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

Tgt Ion: 98 Resp: 513785
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8

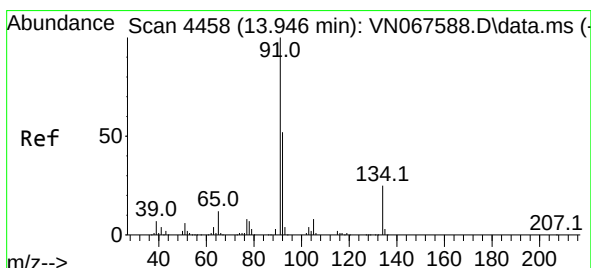
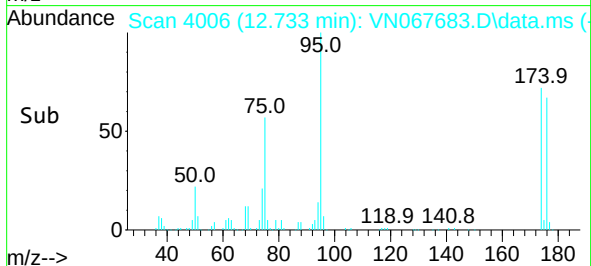
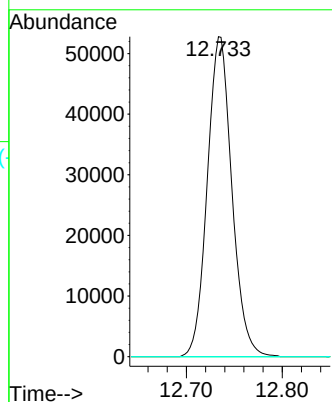
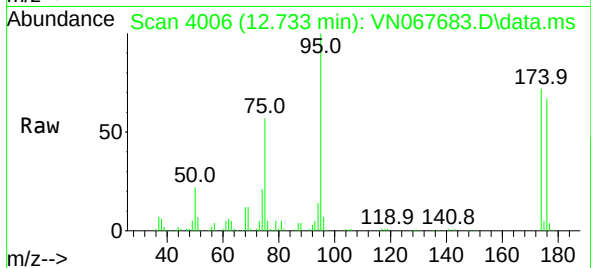




#77
t-1,4-Dichloro-2-butene
Concen: 47.162 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

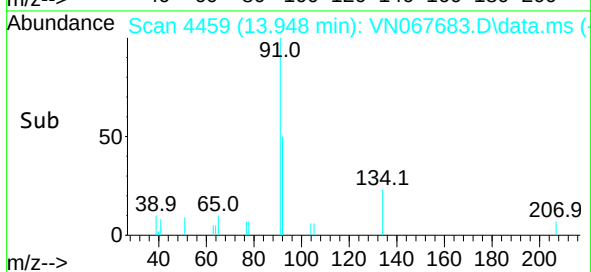
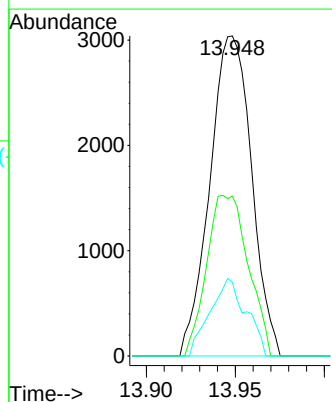
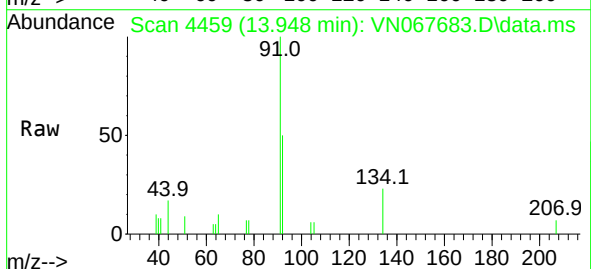
Instrument :
MSVOA_N
ClientSampleId :
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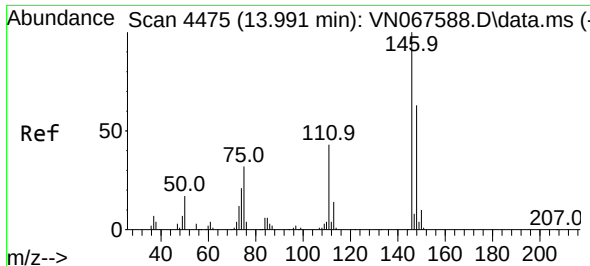
Tgt Ion: 75 Resp: 94094
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#



#85
n-Butylbenzene
Concen: 0.315 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.003 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

Tgt Ion: 91 Resp: 4953
Ion Ratio Lower Upper
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92 27.2 0.0 103.0
134 16.7 0.0 43.6

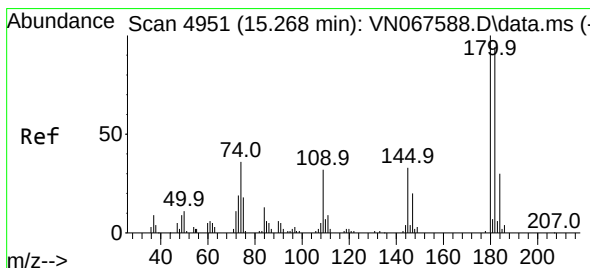
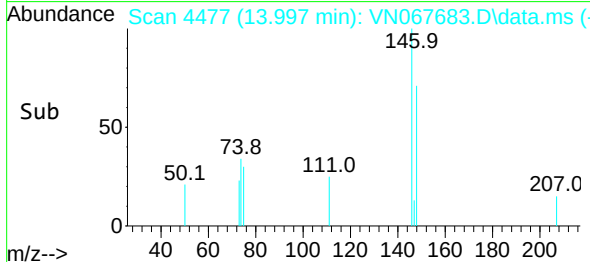
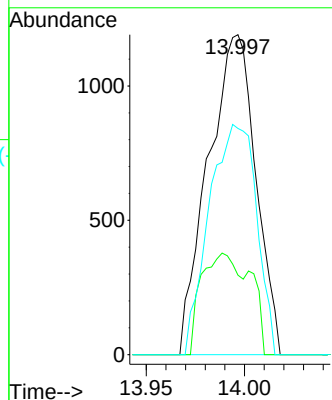
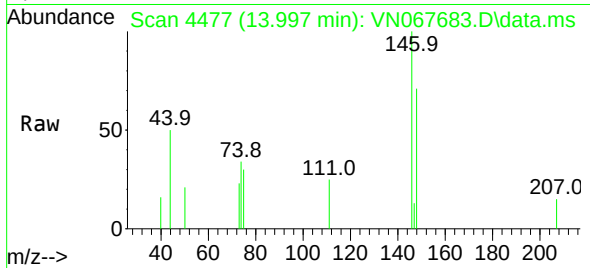




#87
1,2-Dichlorobenzene
Concen: 0.203 ug/l
RT: 13.997 min Scan# 4477
Delta R.T. 0.005 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

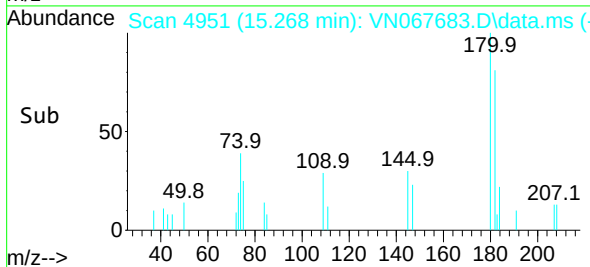
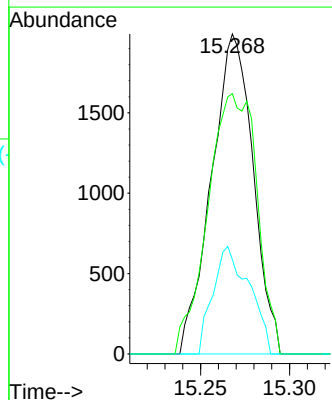
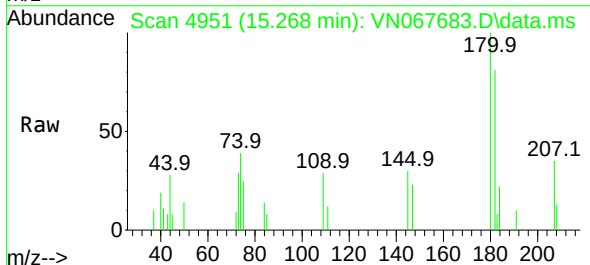
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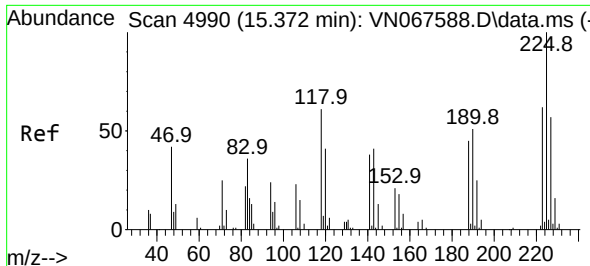
Tgt Ion:146 Resp: 2003
Ion Ratio Lower Upper
146 100
111 25.6 25.0 75.0
148 71.5 32.0 96.0



#89
1,2,4-Trichlorobenzene
Concen: 0.762 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.000 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

Tgt Ion:180 Resp: 3234
Ion Ratio Lower Upper
180 100
182 67.2 75.9 113.9#
145 21.2 28.8 43.2#

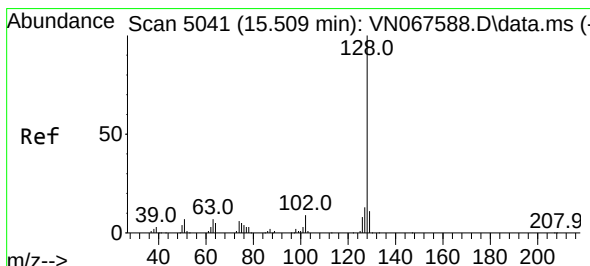
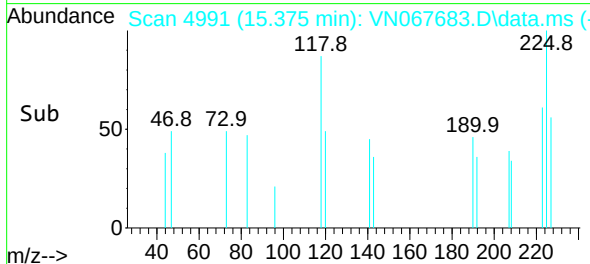
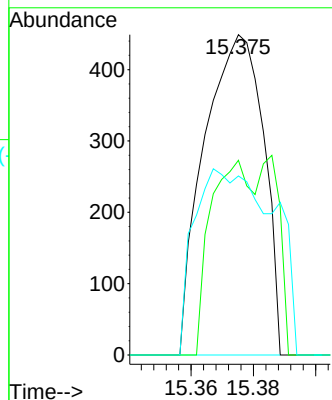
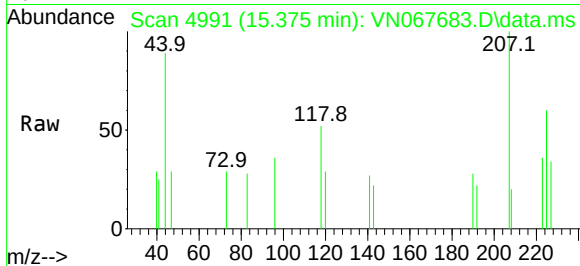




#90
Hexachlorobutadiene
Concen: 0.300 ug/l
RT: 15.375 min Scan# 4991
Delta R.T. 0.003 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

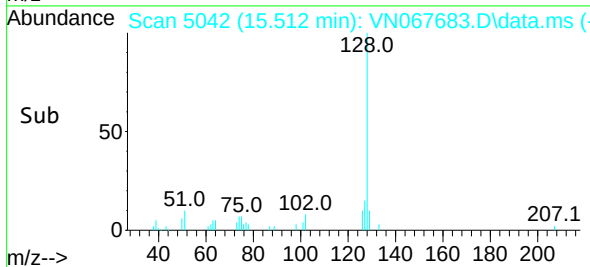
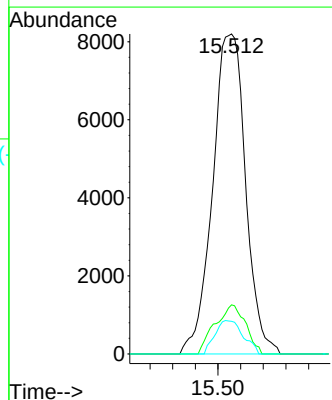
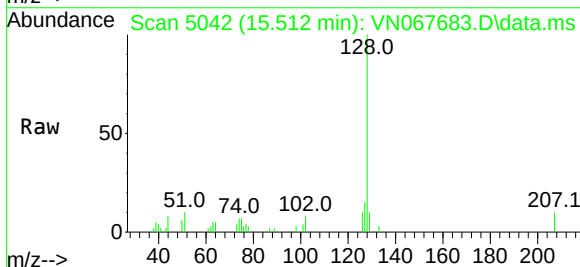
Instrument :
MSVOA_N
ClientSampleId :
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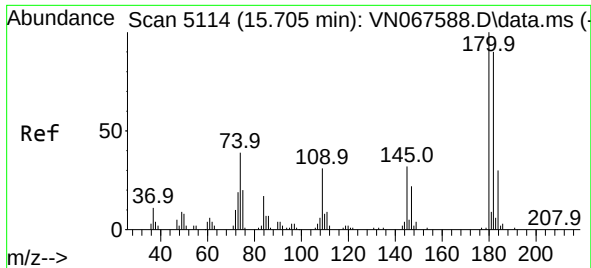
Tgt Ion:225 Resp: 591
Ion Ratio Lower Upper
225 100
223 44.5 0.0 129.6
227 36.9 0.0 131.2



#91
Naphthalene
Concen: 1.267 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067683.D
Acq: 9 Jul 2021 14:15

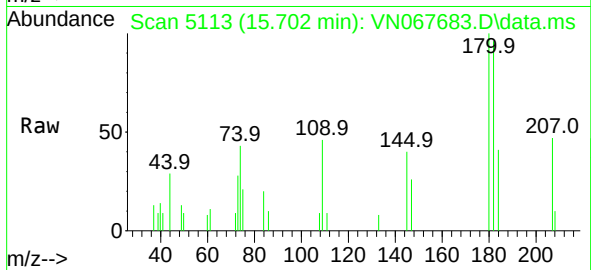
Tgt Ion:128 Resp: 16565
Ion Ratio Lower Upper
128 100
127 14.2 10.1 15.1
129 8.9 8.9 13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.631 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.003 min
 Lab File: VN067683.D
 Acq: 9 Jul 2021 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK



Tgt Ion:180 Resp: 2556

Ion	Ratio	Lower	Upper
180	100		
182	171.4	0.0	184.6
145	31.6	0.0	76.0

