

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067743.D
 Acq On : 14 Jul 2021 15:14
 Operator : JC/MD
 Sample : M2975-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 15 06:16:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

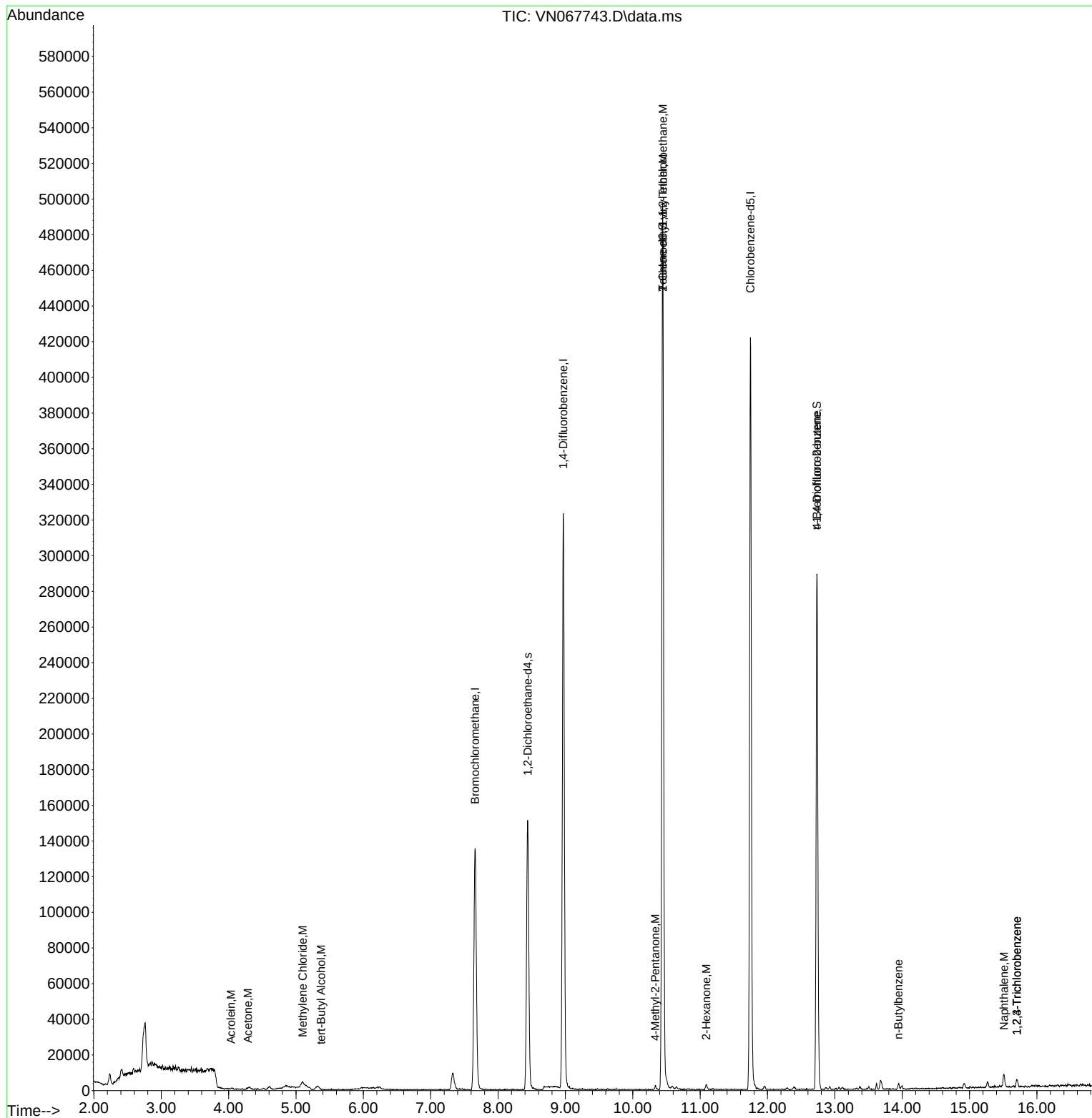
Internal Standards						
1) Bromochloromethane	7.659	128	47001	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	278773	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	241444	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	129054	33.987	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	113.300%#
60) 4-Bromofluorobenzene	12.734	95	102002	26.013	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.700%
63) Toluene-d8	10.443	98	343515	30.933	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.100%
Target Compounds						
					Qvalue	
13) Acrolein	4.036	56	234	0.718	ug/l #	83
15) Acetone	4.285	58	83	0.245	ug/l #	1
18) Methylene Chloride	5.098	84	1324	0.420	ug/l #	62
23) tert-Butyl Alcohol	5.372	59	114	0.226	ug/l #	100
50) 1,1,2-Trichloroethane	10.449	97	13761	4.022	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.446	63	236	0.229	ug/l #	1
58) 4-Methyl-2-Pentanone	10.333	43	1572	0.379	ug/l #	69
59) 2-Hexanone	11.090	43	1413	0.486	ug/l #	83
77) t-1,4-Dichloro-2-butene	12.734	75	59463	48.888	ug/l #	4
85) n-Butylbenzene	13.943	91	2182	0.211	ug/l	83
89) 1,2,4-Trichlorobenzene	15.703	180	1510	0.529	ug/l	95
91) Naphthalene	15.512	128	6881	0.849	ug/l #	79
92) 1,2,3-Trichlorobenzene	15.703	180	1510	0.552	ug/l	93

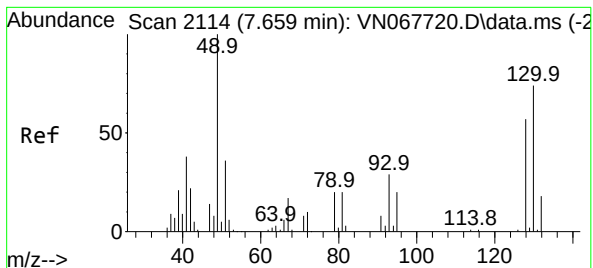
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
Data File : VN067743.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: Jul 15 06:16:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 14 01:19:19 2021
Response via : Initial Calibration



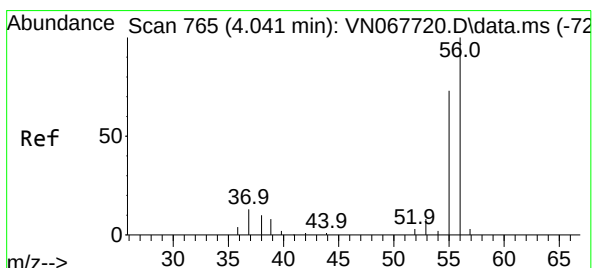
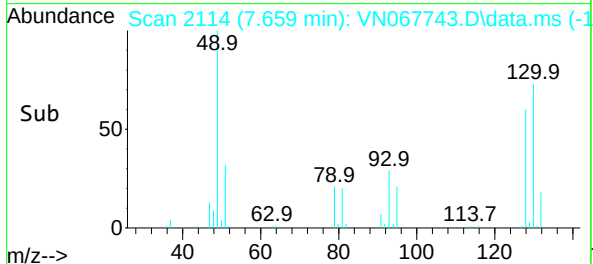
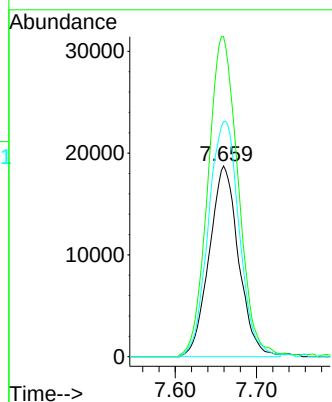
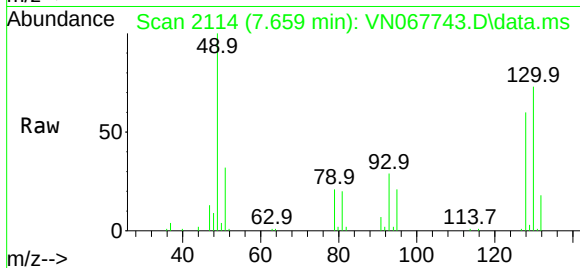


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.659 min Scan# 2114
 Delta R.T. 0.000 min
 Lab File: VN067743.D
 Acq: 14 Jul 2021 15:14

Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

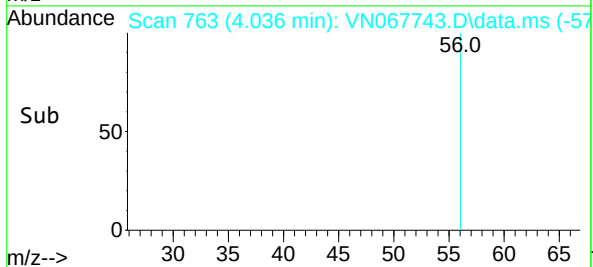
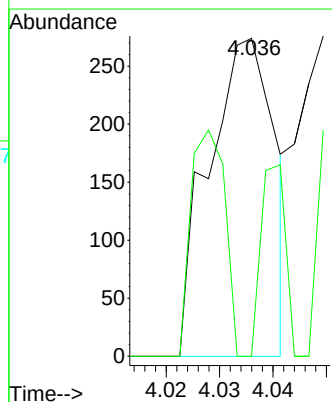
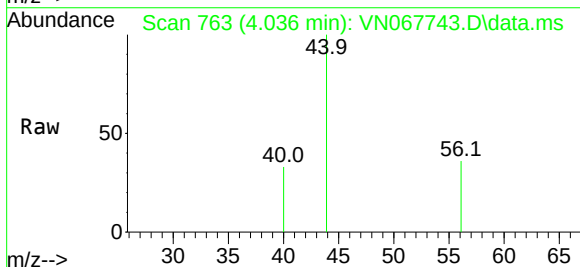
Tgt Ion:128 Resp: 47001
 Ion Ratio Lower Upper
 128 100
 49 172.9 0.0 433.0
 130 130.4 0.0 323.8

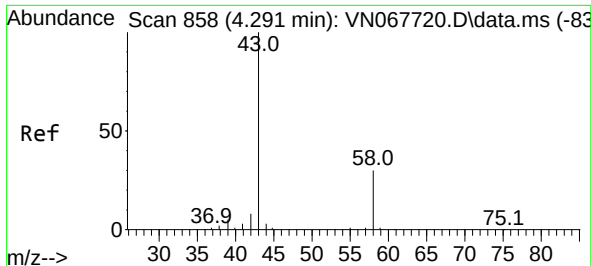


#13

Acrolein
 Concen: 0.718 ug/l
 RT: 4.036 min Scan# 763
 Delta R.T. -0.005 min
 Lab File: VN067743.D
 Acq: 14 Jul 2021 15:14

Tgt Ion: 56 Resp: 234
 Ion Ratio Lower Upper
 56 100
 55 22.2 0.2 0.2#

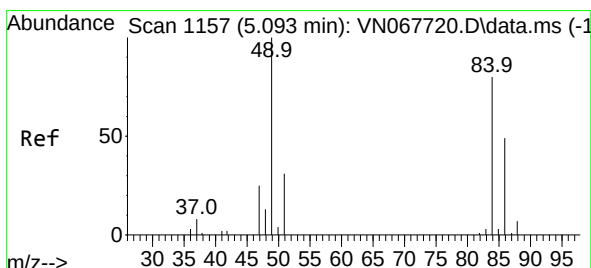
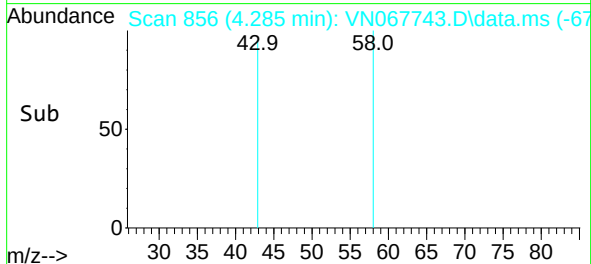
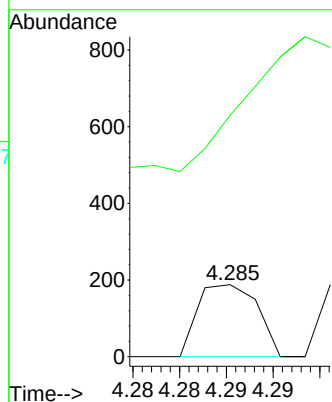
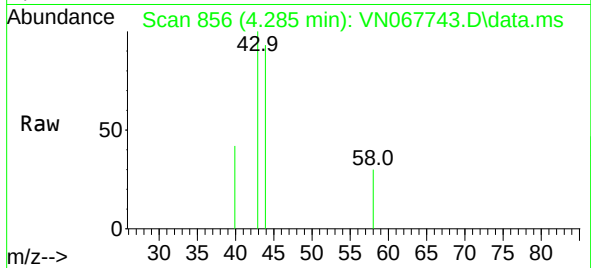




#15
Acetone
Concen: 0.245 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.005 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

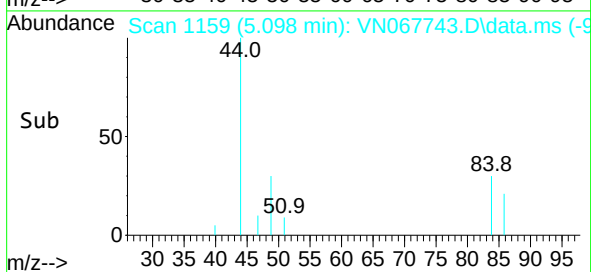
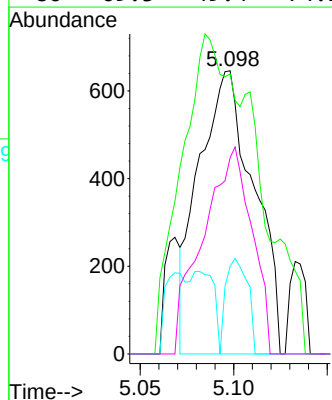
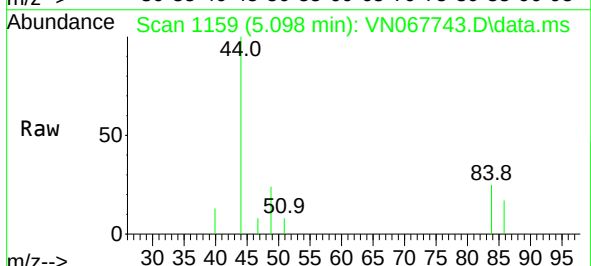
Instrument :
MSVOA_N
ClientSampled :
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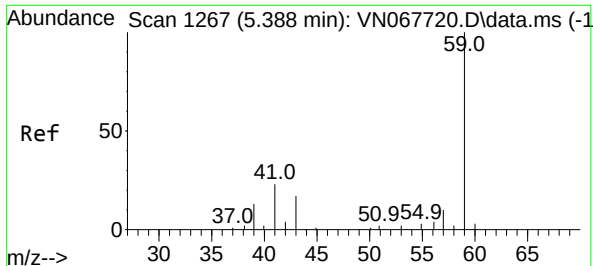
Tgt Ion: 58 Resp: 83
Ion Ratio Lower Upper
58 100
43 78.2 268.2 402.4#



#18
Methylene Chloride
Concen: 0.420 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

Tgt Ion: 84 Resp: 1324
Ion Ratio Lower Upper
84 100
49 58.4 100.5 150.7#
51 31.0 30.7 46.1
86 69.3 49.4 74.2



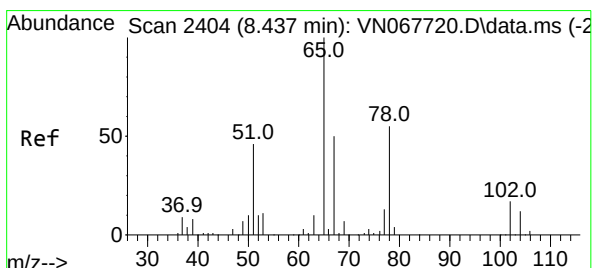
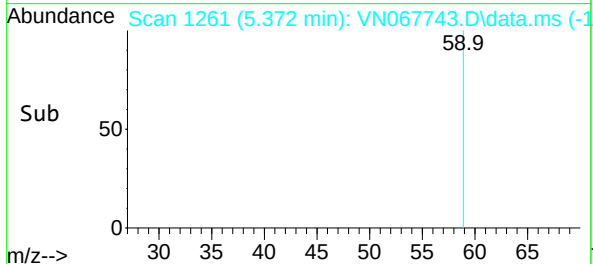
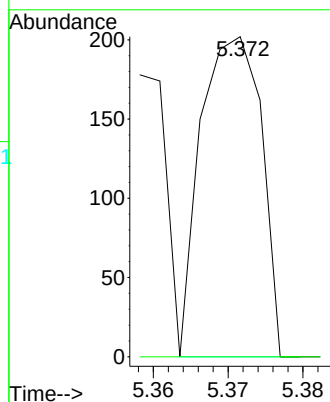
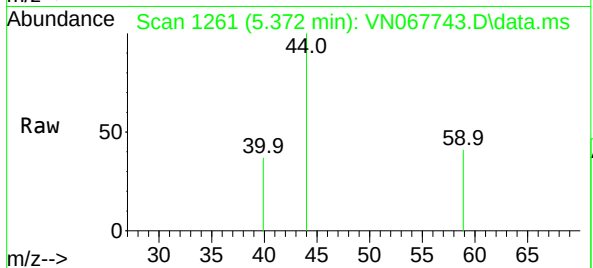


#23

tert-Butyl Alcohol
Concen: 0.226 ug/l
RT: 5.372 min Scan# 1261
Delta R.T. -0.016 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

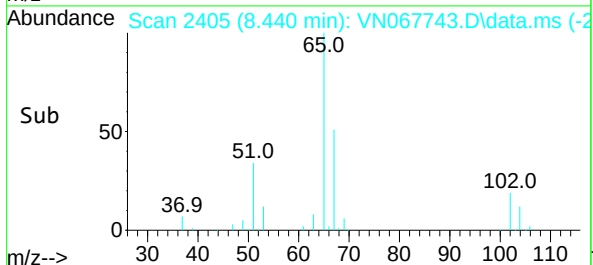
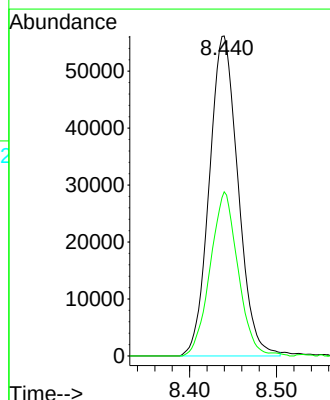
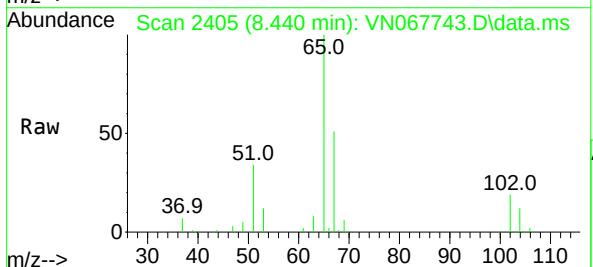
Tgt Ion: 59 Resp: 114
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

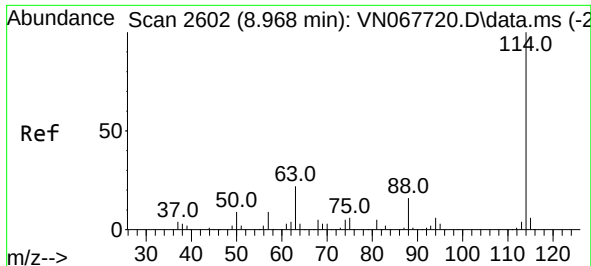


#27

1,2-Dichloroethane-d4
Concen: 33.987 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

Tgt Ion: 65 Resp: 129054
Ion Ratio Lower Upper
65 100
67 49.3 40.6 60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN067743.D

Acq: 14 Jul 2021 15:14

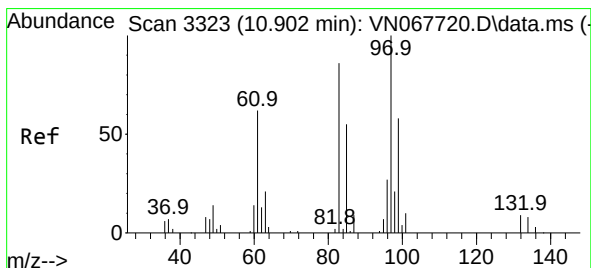
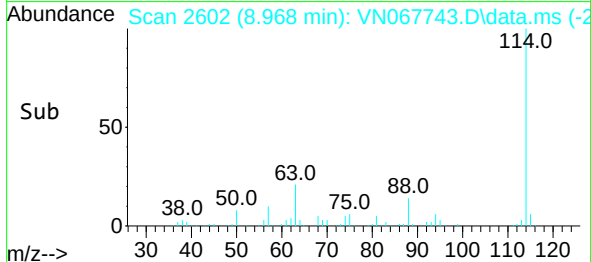
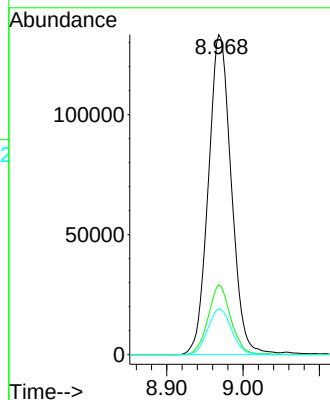
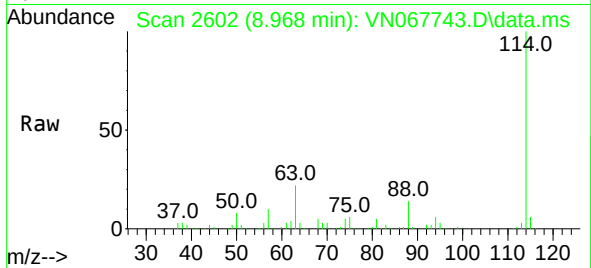
Tgt Ion:114 Resp: 278773

Ion Ratio Lower Upper

114 100

63 21.4 17.2 25.8

88 14.8 12.4 18.6



#50

1,1,2-Trichloroethane

Concen: 4.022 ug/l

RT: 10.449 min Scan# 3154

Delta R.T. -0.453 min

Lab File: VN067743.D

Acq: 14 Jul 2021 15:14

Tgt Ion: 97 Resp: 13761

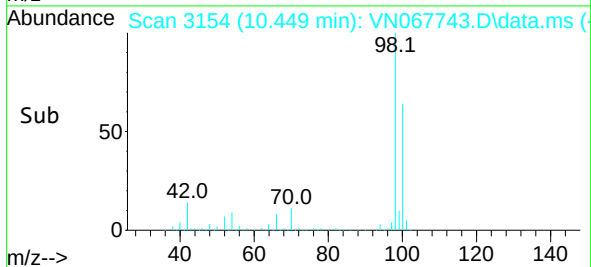
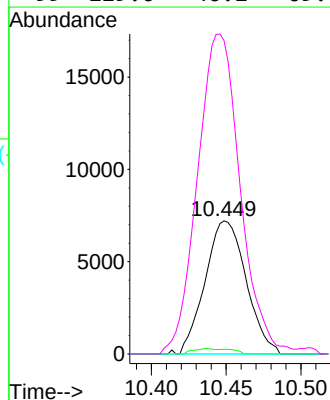
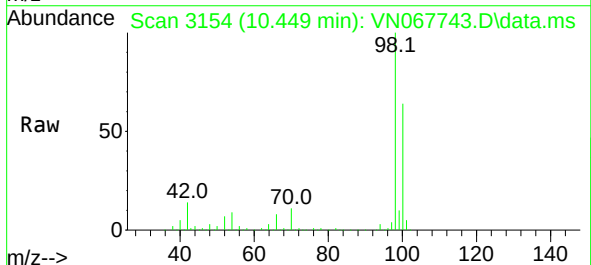
Ion Ratio Lower Upper

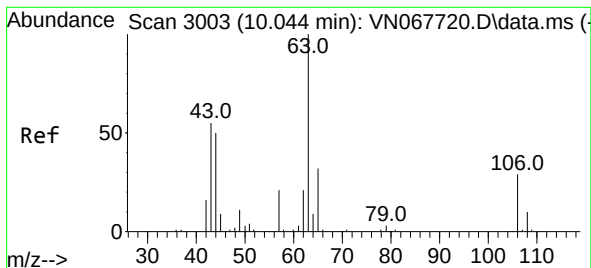
97 100

83 3.5 69.0 103.4#

85 0.0 43.8 65.8#

99 229.6 46.2 69.4#

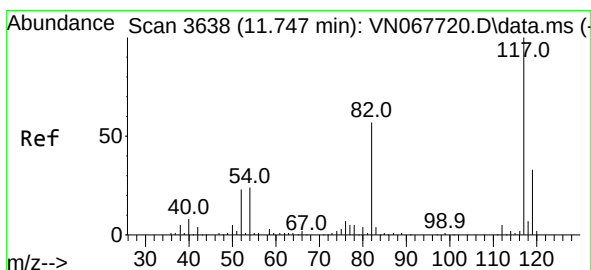
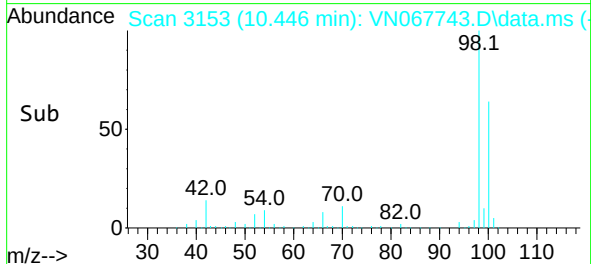
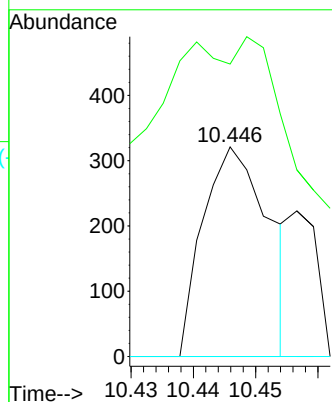
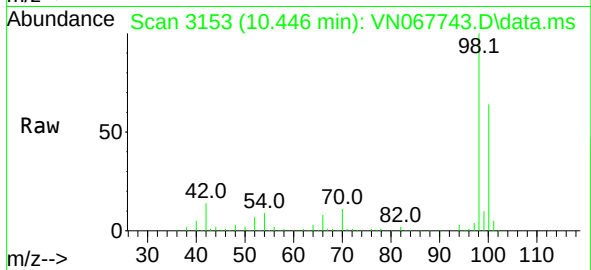




#55
2-Chloroethyl vinyl ether
Concen: 0.229 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.402 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

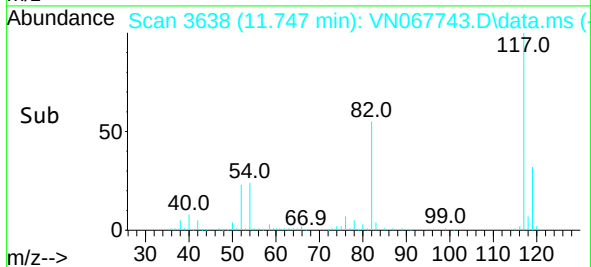
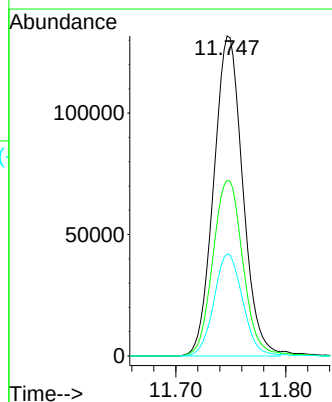
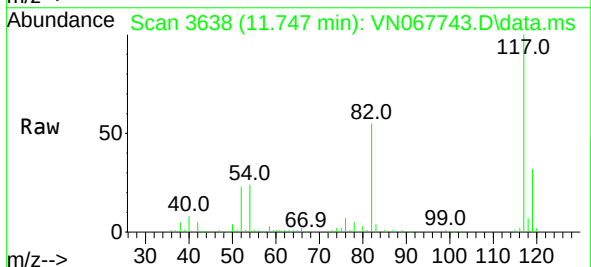
Instrument :
MSVOA_N
ClientSampled :
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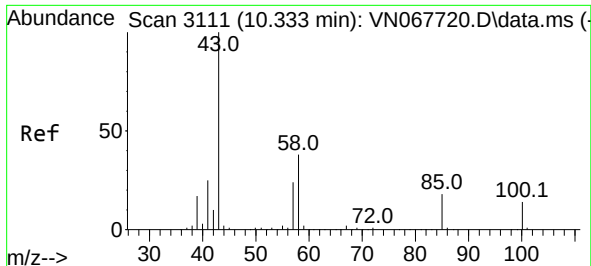
Tgt Ion: 63 Resp: 236
Ion Ratio Lower Upper
63 100
65 248.3 25.5 38.3#
106 0.0 22.1 33.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

Tgt Ion: 117 Resp: 241444
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 31.5 25.7 38.5

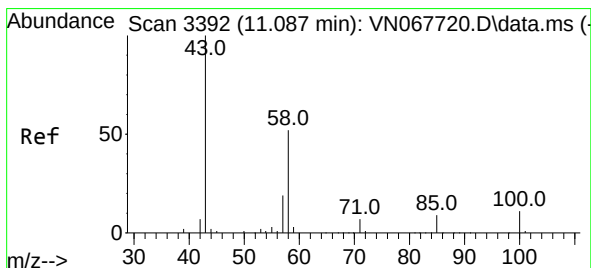
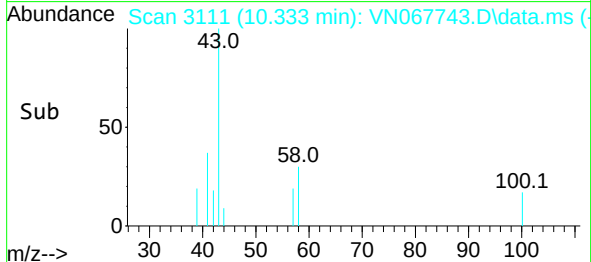
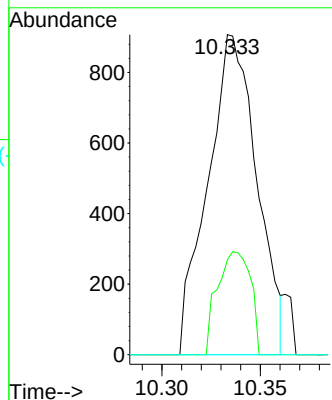
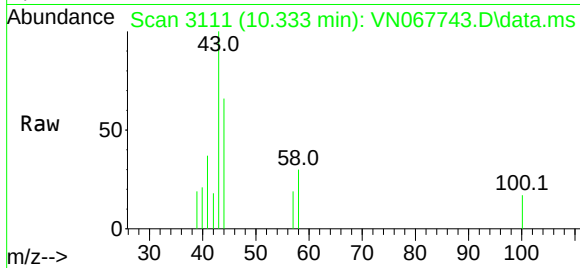




#58
4-Methyl-2-Pentanone
Concen: 0.379 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

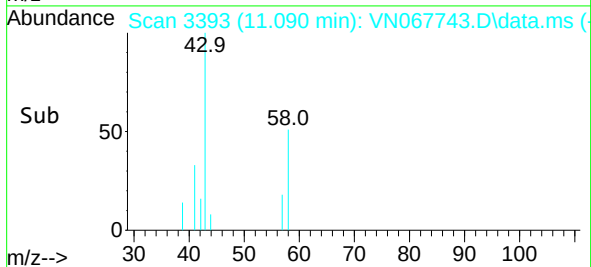
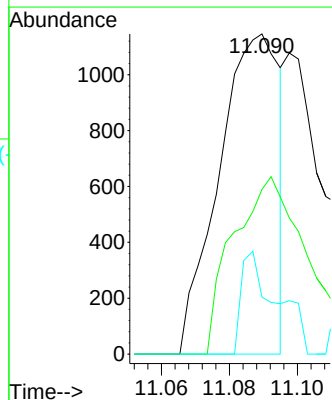
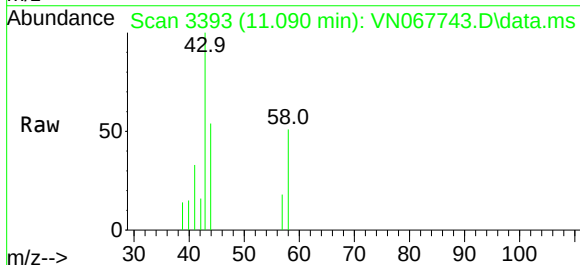
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MSVOA_N
ClientSampled :
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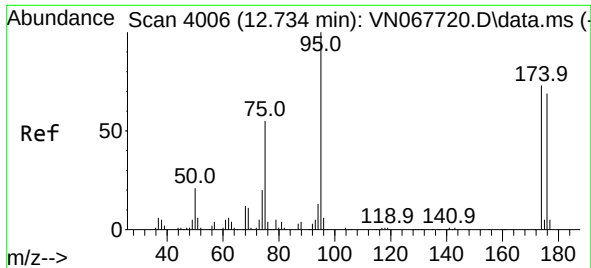
Tgt Ion:	43	Resp:	1572
Ion	Ratio	Lower	Upper
43	100		
58	21.7	29.9	44.9#
85	0.0	14.1	21.1#



#59
2-Hexanone
Concen: 0.486 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

Tgt Ion:	43	Resp:	1413
Ion	Ratio	Lower	Upper
43	100		
58	66.1	41.5	62.3#
57	14.5	15.1	22.7#

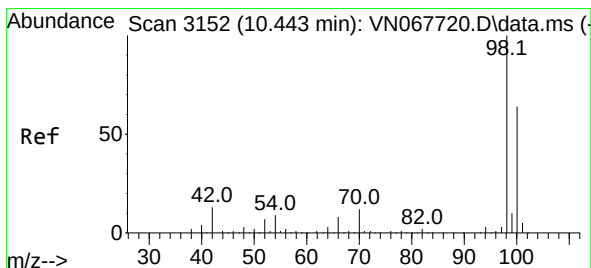
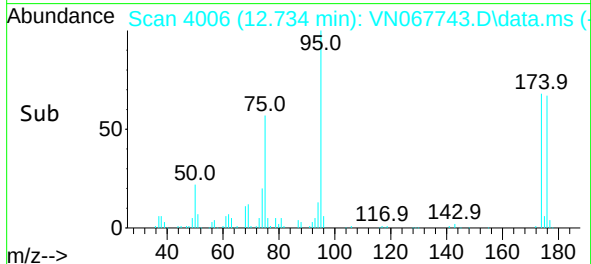
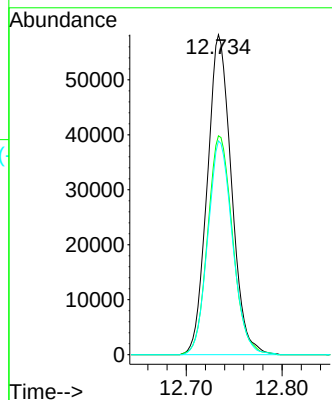
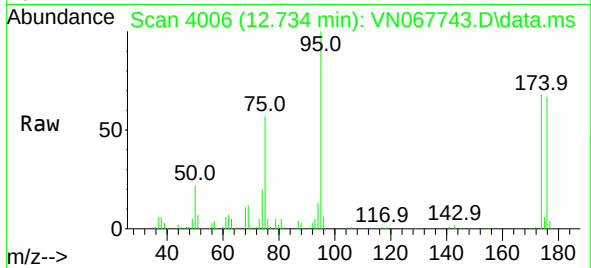




#60
4-Bromofluorobenzene
Concen: 26.013 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

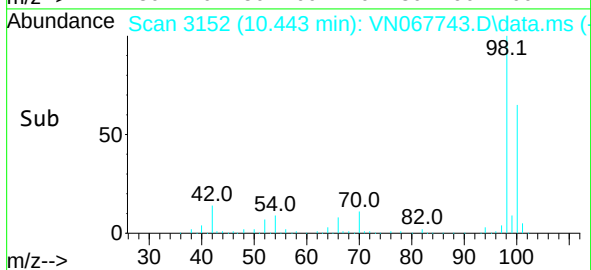
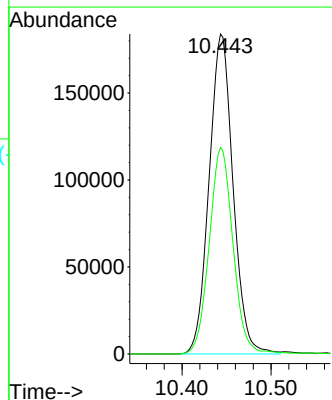
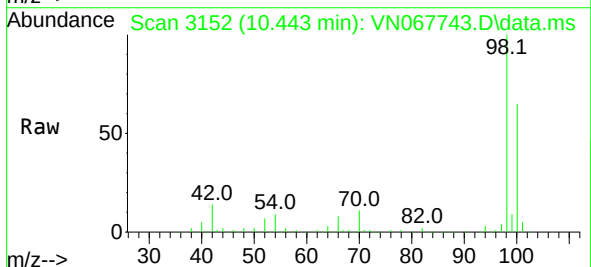
Instrument :
MSVOA_N
ClientSampleId :
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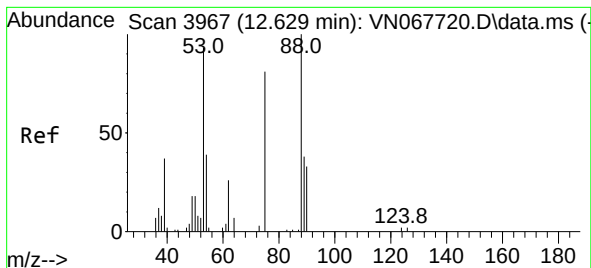
Tgt Ion: 95 Resp: 102002
Ion Ratio Lower Upper
95 100
174 70.7 57.1 85.7
176 68.3 54.6 81.8



#63
Toluene-d8
Concen: 30.933 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

Tgt Ion: 98 Resp: 343515
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4

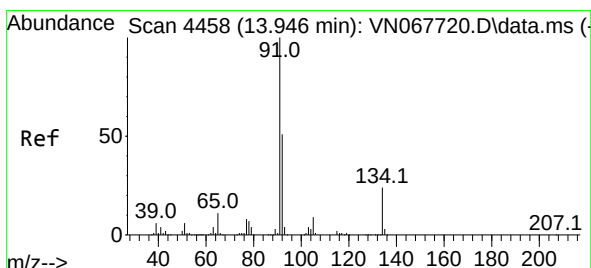
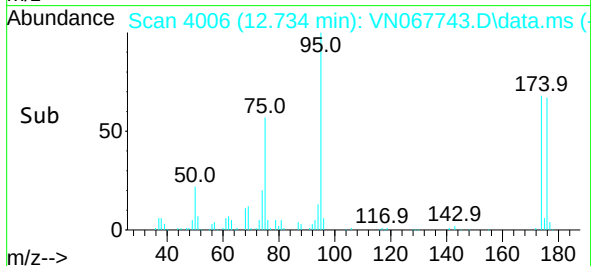
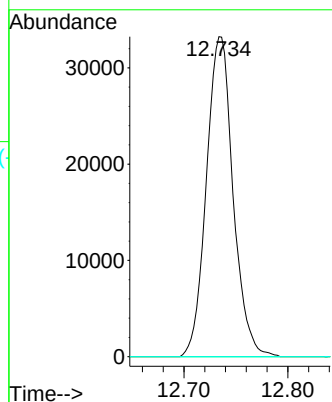
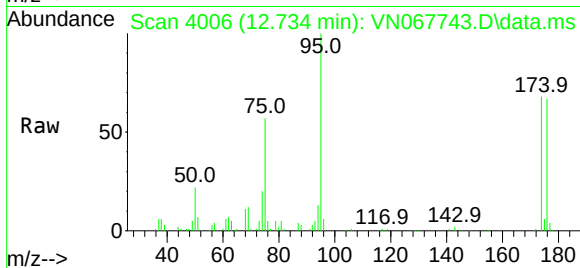




#77
t-1,4-Dichloro-2-butene
Concen: 48.888 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

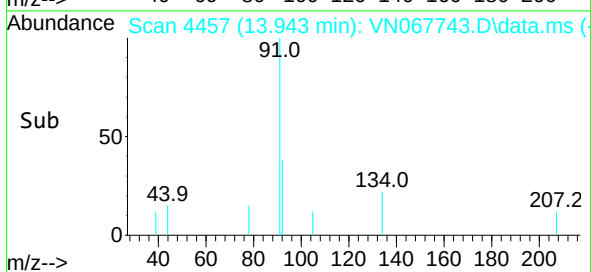
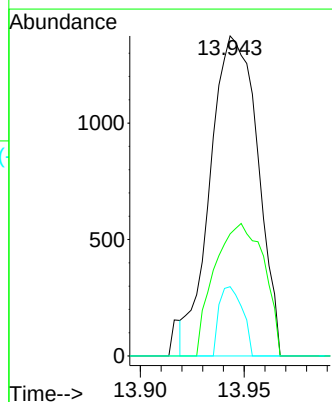
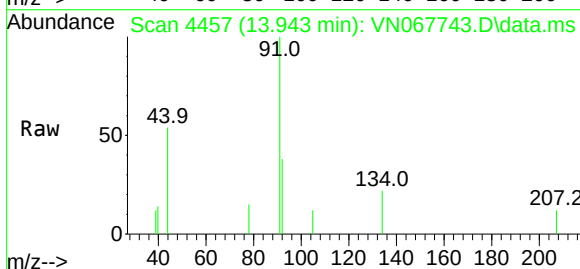
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ClientSampleId :
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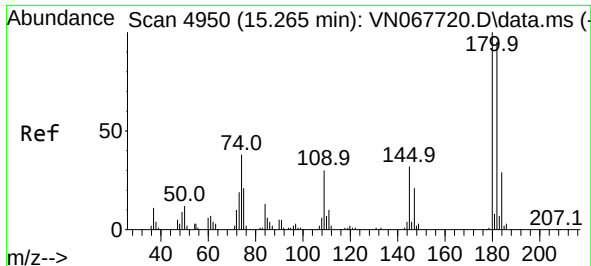
Tgt Ion: 75 Resp: 59463
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#



#85
n-Butylbenzene
Concen: 0.211 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

Tgt Ion: 91 Resp: 2182
Ion Ratio Lower Upper
91 100
92 43.1 0.0 102.6
134 10.6 0.0 48.6

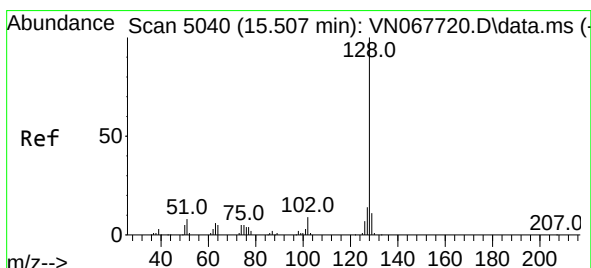
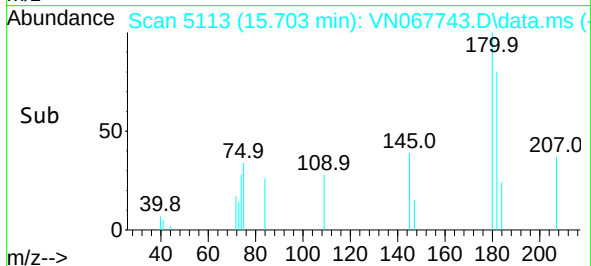
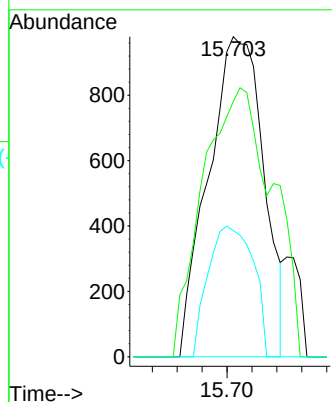
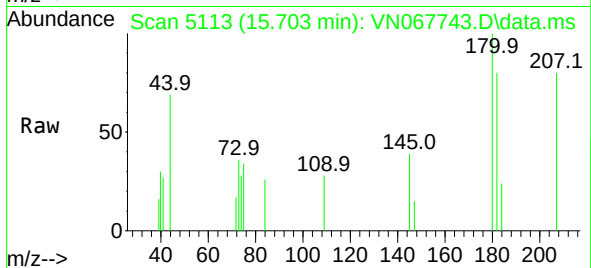




#89
1,2,4-Trichlorobenzene
Concen: 0.529 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.437 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

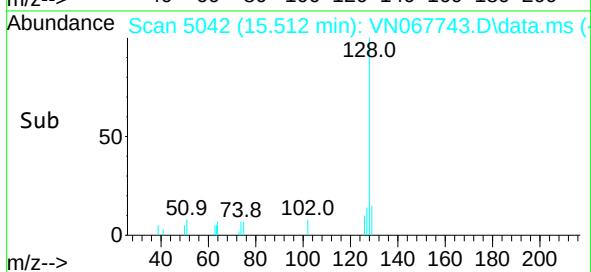
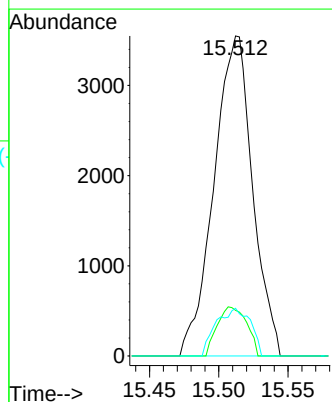
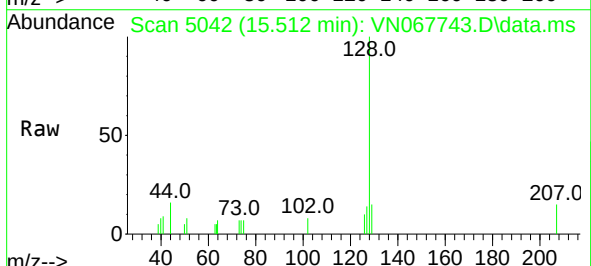
Instrument :
MSVOA_N
ClientSampleId :
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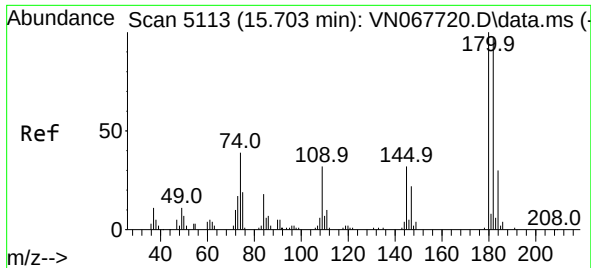
Tgt Ion:180 Resp: 1510
Ion Ratio Lower Upper
180 100
182 87.0 74.5 111.7
145 33.2 25.4 38.0



#91
Naphthalene
Concen: 0.849 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN067743.D
Acq: 14 Jul 2021 15:14

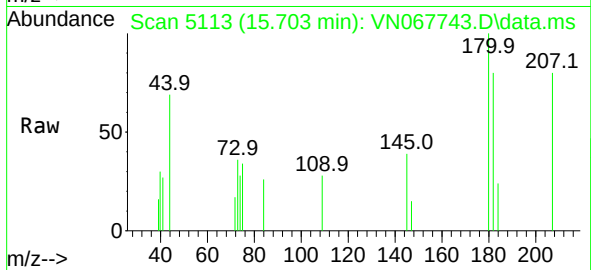
Tgt Ion:128 Resp: 6881
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 8.6 8.7 13.1#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.552 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. -0.000 min
 Lab File: VN067743.D
 Acq: 14 Jul 2021 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK



Tgt Ion:	180	Resp:	1510
Ion	Ratio	Lower	Upper
180	100		
182	87.0	0.0	190.8
145	33.2	0.0	68.2

