

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
 Data File : VN065395.D
 Acq On : 6 Jan 2021 12:59
 Operator : JC/MD
 Sample : M1018-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jan 07 01:17:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 21 13:17:58 2020
 Response via : Initial Calibration

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

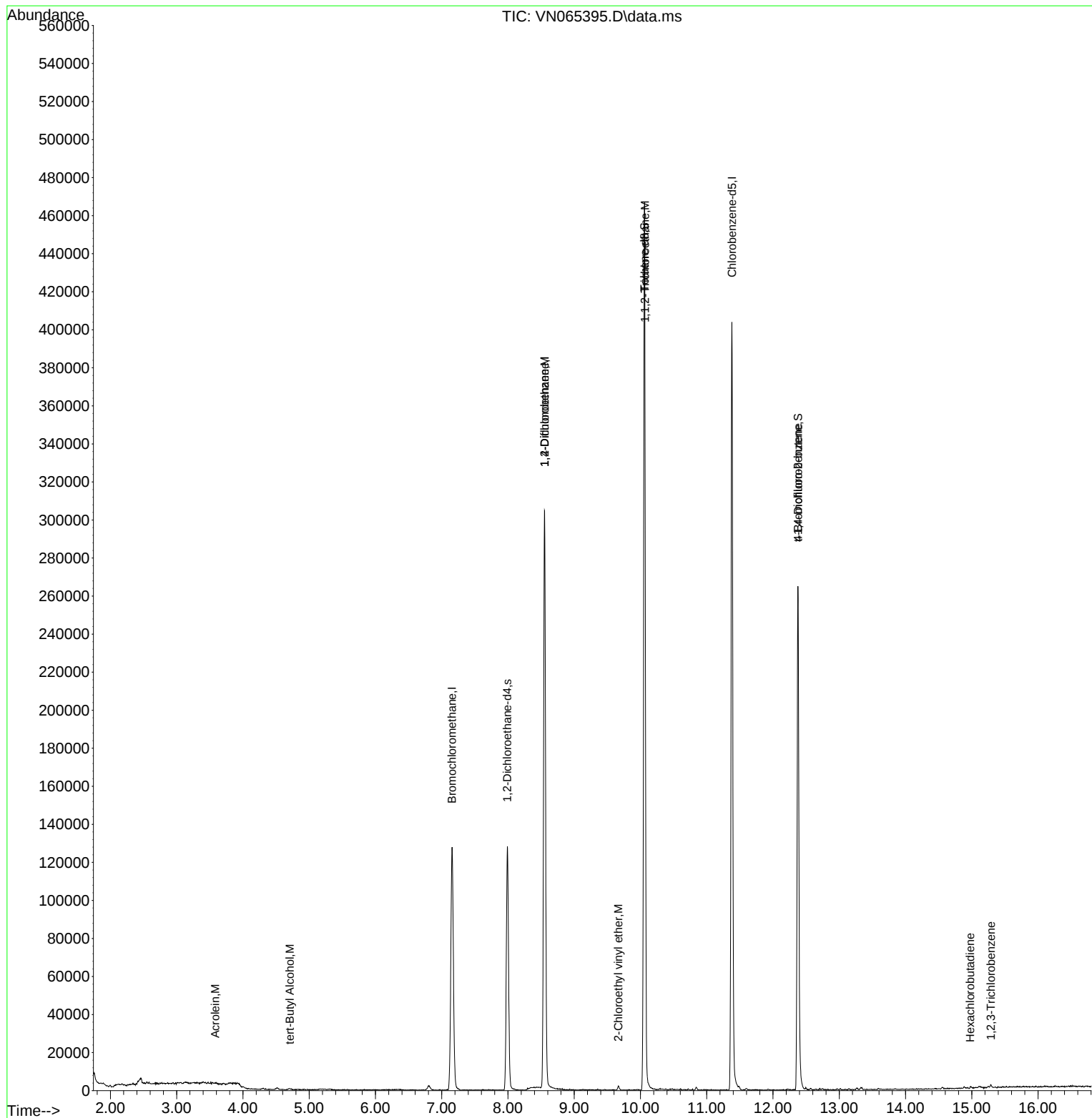
Internal Standards						
1) Bromochloromethane	7.155	128	53968	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	291370	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	257579	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	110975	28.34	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.47%
60) 4-Bromofluorobenzene	12.376	95	98060	23.94	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.80%
63) Toluene-d8	10.061	98	343474	30.06	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.20%
Target Compounds						
					Qvalue	
13) Acrolein	3.582	56	214	0.53	ug/l #	1
23) tert-Butyl Alcohol	4.708	59	178	0.30	ug/l #	100
36) 1,2-Dichloroethane	8.553	62	8113	1.73	ug/l #	80
50) 1,1,2-Trichloroethane	10.068	97	12171	3.87	ug/l #	1
55) 2-Chloroethyl vinyl ether	9.666	63	1184	0.49	ug/l #	86
77) t-1,4-Dichloro-2-butene	12.376	75	47694	29.61	ug/l #	9
90) Hexachlorobutadiene	14.978	225	459	0.21	ug/l	52
92) 1,2,3-Trichlorobenzene	15.289	180	865	0.28	ug/l	80

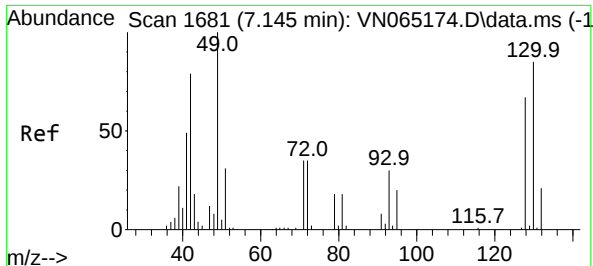
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 21 13:17:58 2020
Response via : Initial Calibration

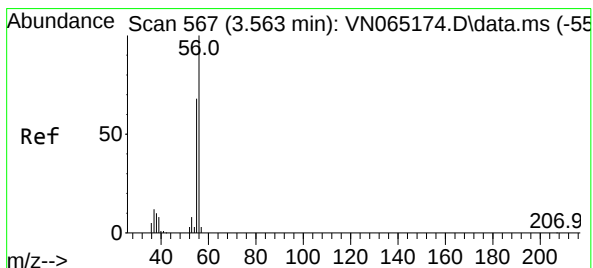
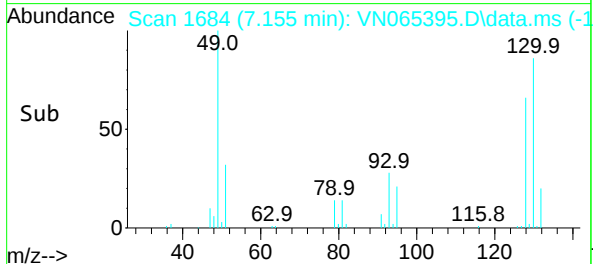
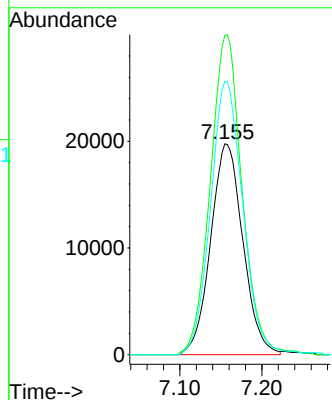
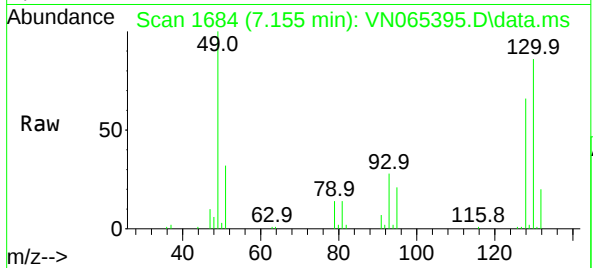




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.155 min Scan# 1684
Delta R.T. 0.010 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

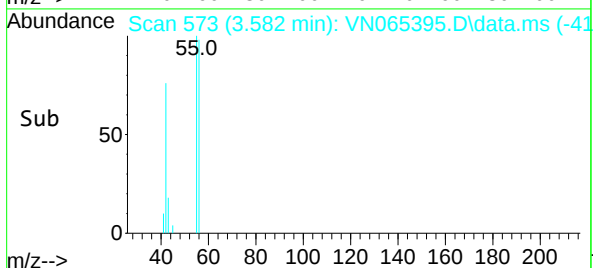
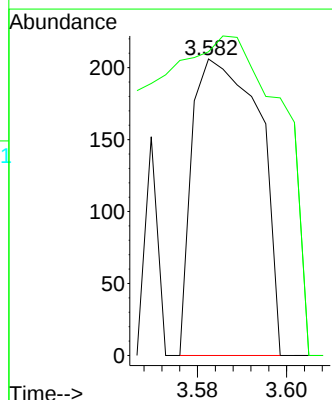
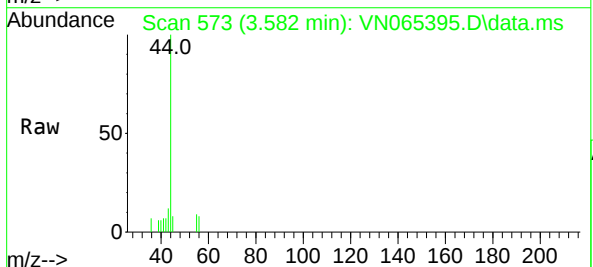
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

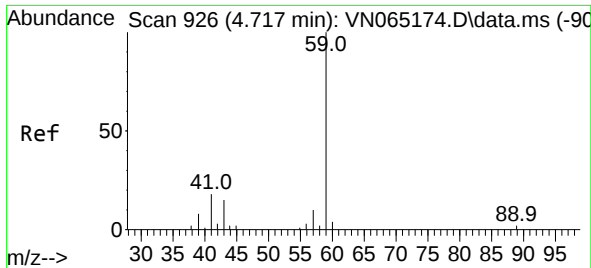
Tgt Ion:128 Resp: 53968
Ion Ratio Lower Upper
128 100
49 149.7 0.0 475.5
130 130.4 0.0 315.3



#13
Acrolein
Concen: 0.53 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.019 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

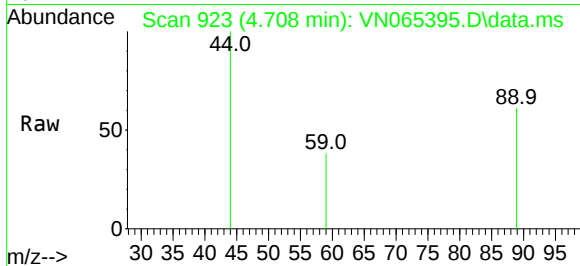
Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 212.1 58.2 87.2#



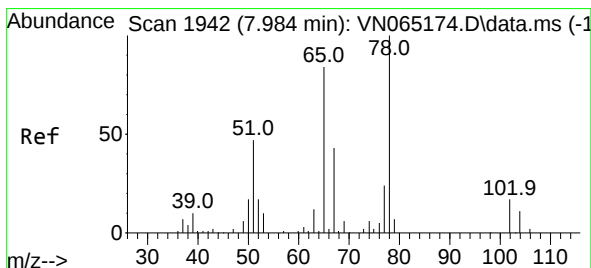
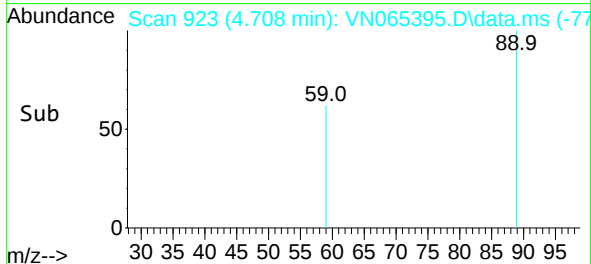
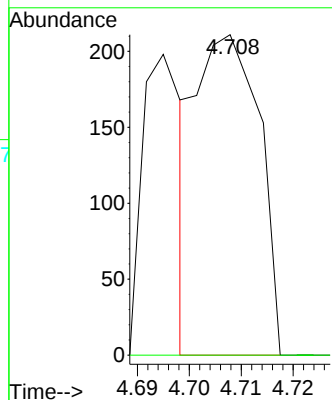


#23
tert-Butyl Alcohol
Concen: 0.30 ug/l
RT: 4.708 min Scan# 923
Delta R.T. -0.010 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

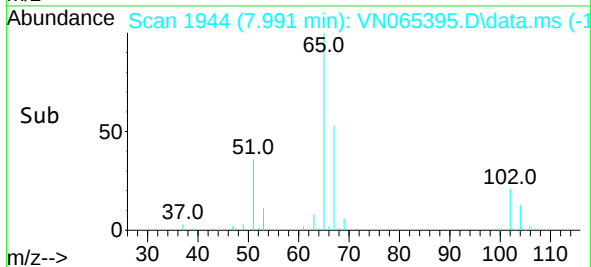
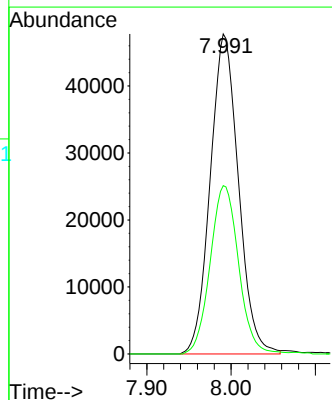
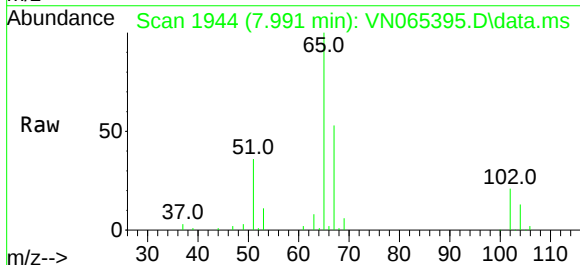


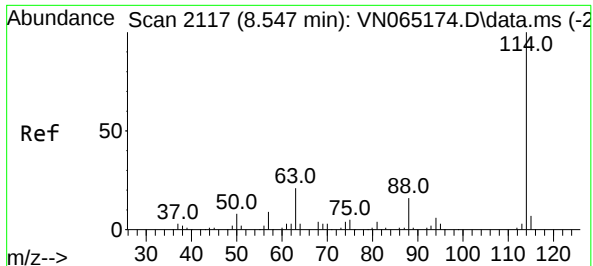
Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.34 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

Tgt Ion: 65 Resp: 110975
Ion Ratio Lower Upper
65 100
67 53.0 41.1 61.7

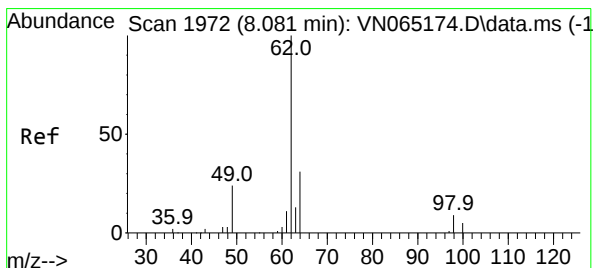
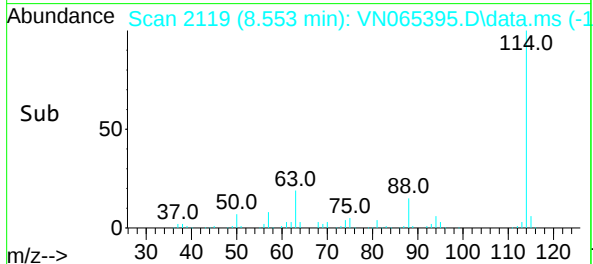
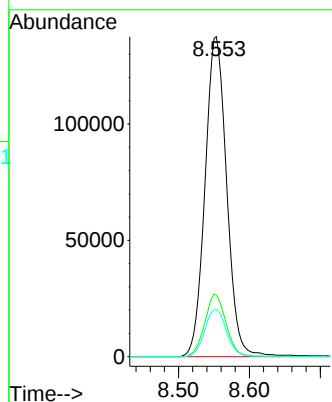
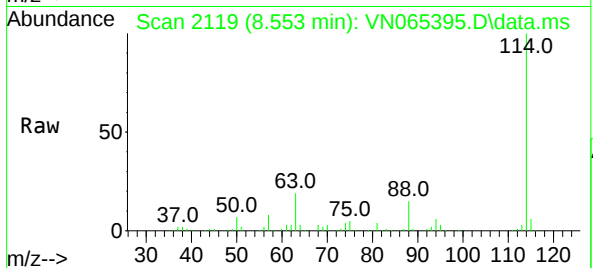




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

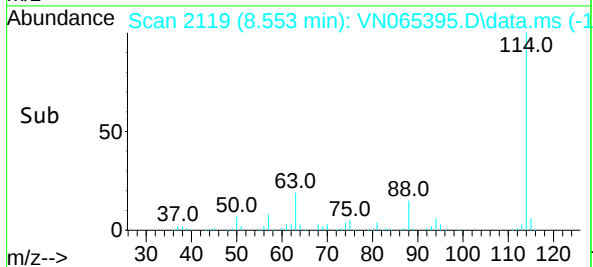
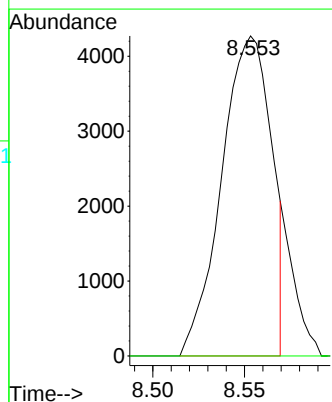
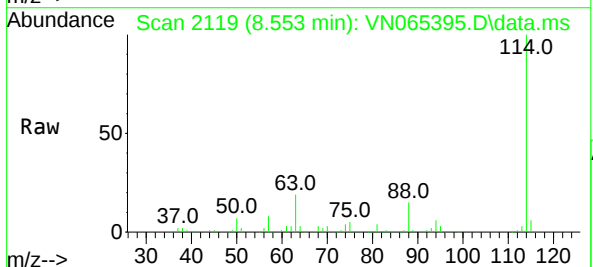
Instrument :
MSVOA_N
ClientSampleId :
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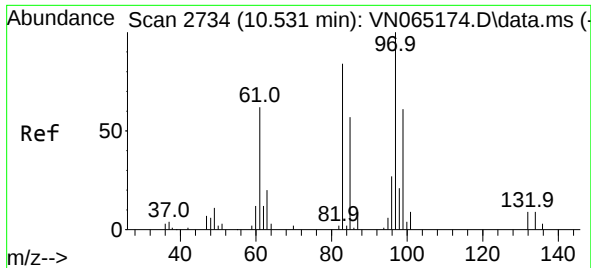
Tgt Ion:114 Resp: 291370
Ion Ratio Lower Upper
114 100
63 19.1 18.5 27.7
88 14.9 13.0 19.6



#36
1,2-Dichloroethane
Concen: 1.73 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.473 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

Tgt Ion: 62 Resp: 8113
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#

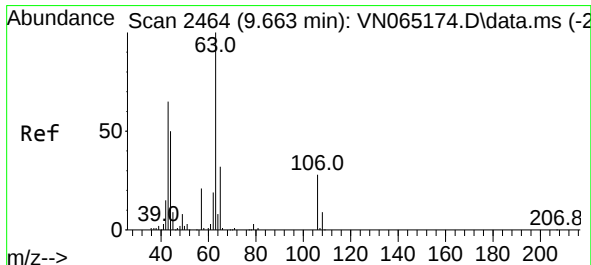
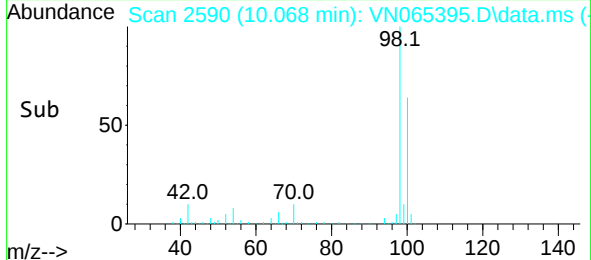
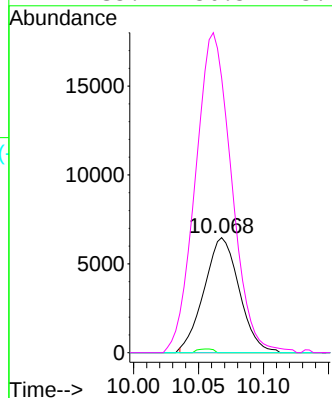
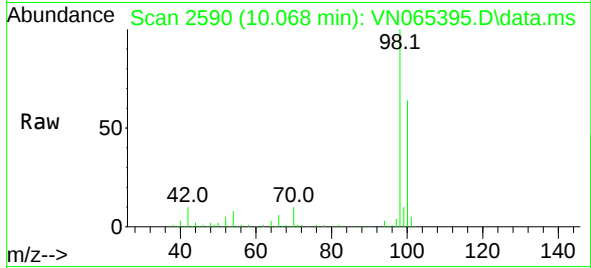




#50
1,1,2-Trichloroethane
Concen: 3.87 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.463 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

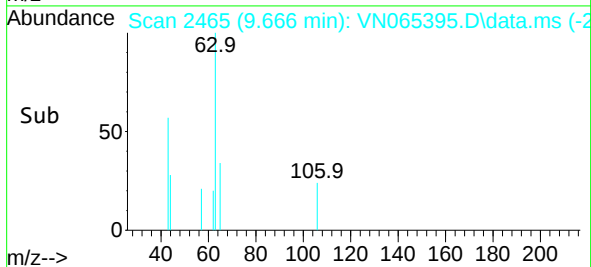
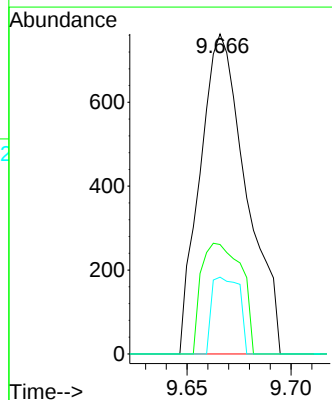
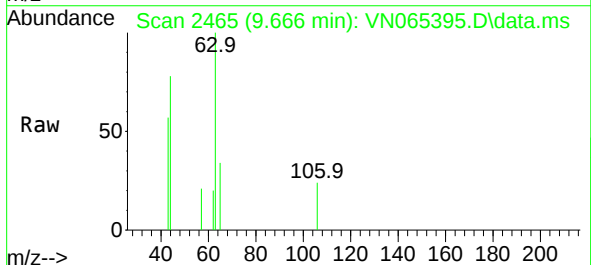
Instrument :
MSVOA_N
ClientSampleId :
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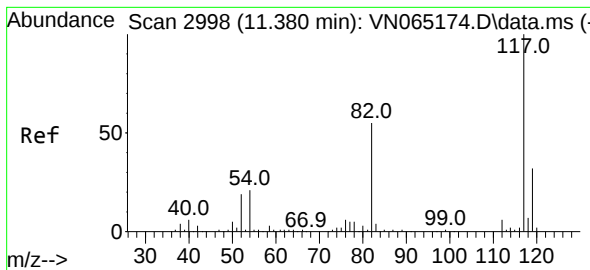
Tgt Ion: 97	Resp: 12171
Ion Ratio	Lower Upper
97 100	
83 0.0	74.2 111.4#
85 0.0	44.8 67.2#
99 235.2	50.5 75.7#



#55
2-Chloroethyl vinyl ether
Concen: 0.49 ug/l
RT: 9.666 min Scan# 2465
Delta R.T. 0.003 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

Tgt Ion: 63	Resp: 1184
Ion Ratio	Lower Upper
63 100	
65 29.7	25.7 38.5
106 11.5	19.9 29.9#

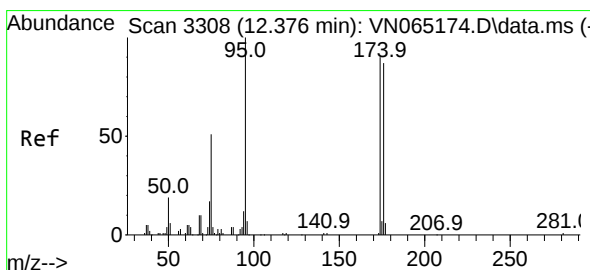
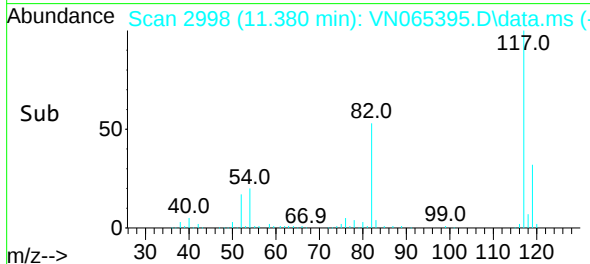
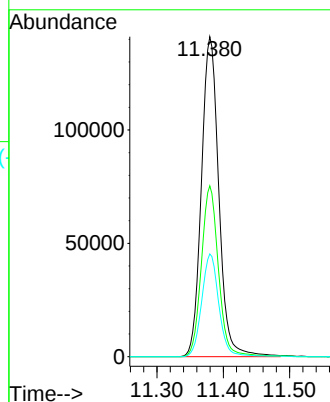
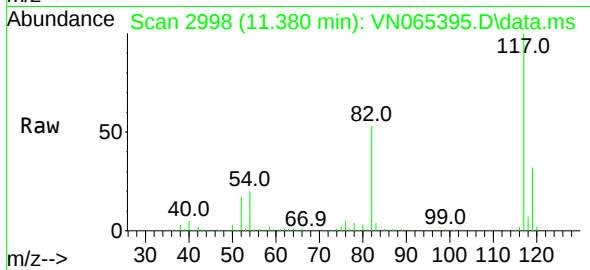




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

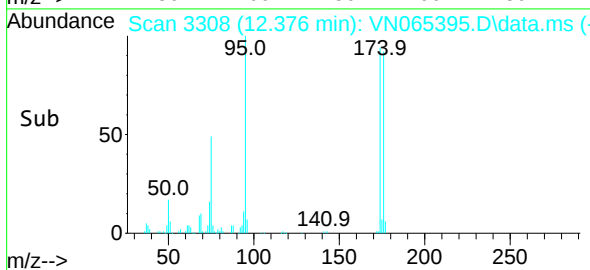
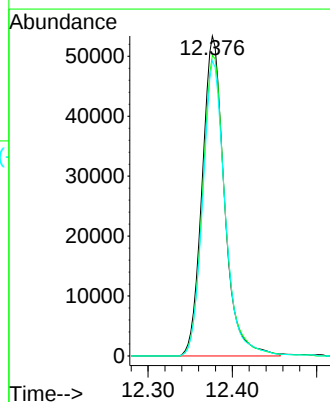
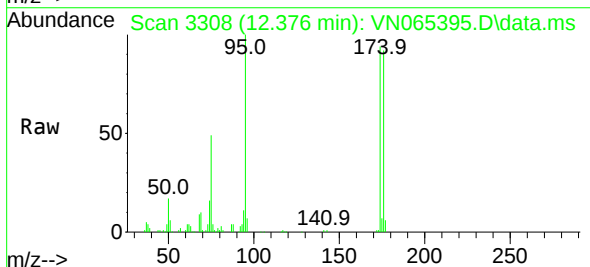
Instrument :
MSVOA_N
ClientSampleId :
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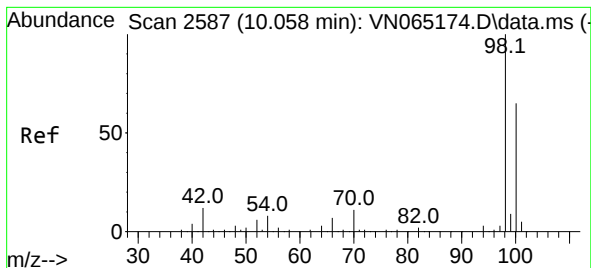
Tgt Ion:117 Resp: 257579
Ion Ratio Lower Upper
117 100
82 52.1 47.8 71.8
119 31.6 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 23.94 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

Tgt Ion: 95 Resp: 98060
Ion Ratio Lower Upper
95 100
174 95.2 56.4 84.6#
176 92.8 53.3 79.9#





#63

Toluene-d8

Concen: 30.06 ug/l

RT: 10.061 min Scan# 2588

Delta R.T. 0.003 min

Lab File: VN065395.D

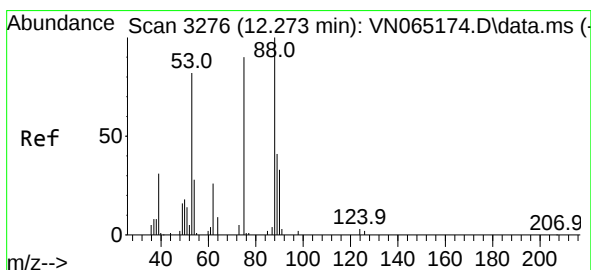
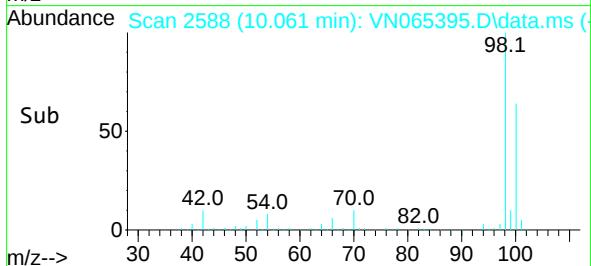
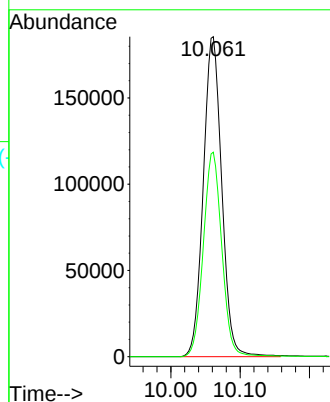
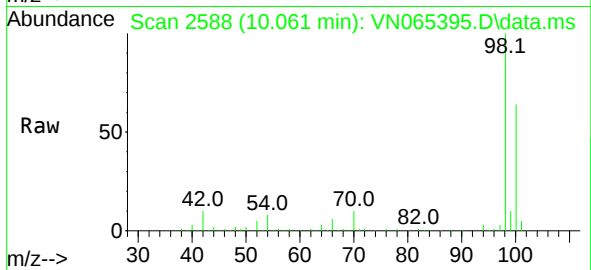
Acq: 6 Jan 2021 12:59

Tgt Ion: 98 Resp: 343474

Ion Ratio Lower Upper

98 100

100 63.9 49.4 74.2



#77

t-1,4-Dichloro-2-butene

Concen: 29.61 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.103 min

Lab File: VN065395.D

Acq: 6 Jan 2021 12:59

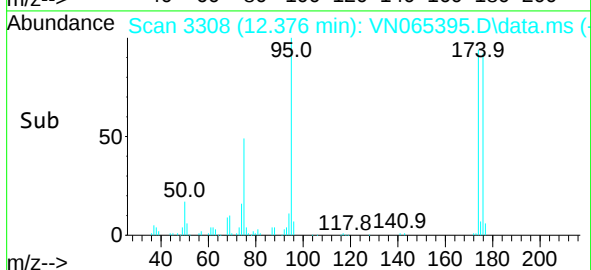
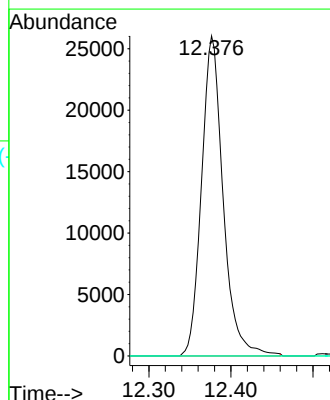
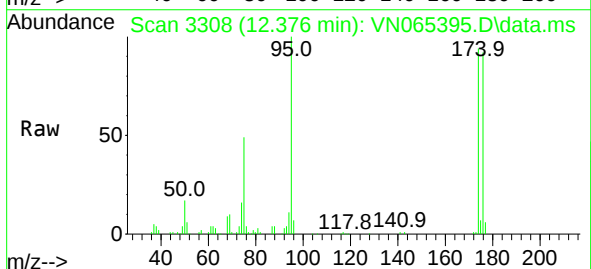
Tgt Ion: 75 Resp: 47694

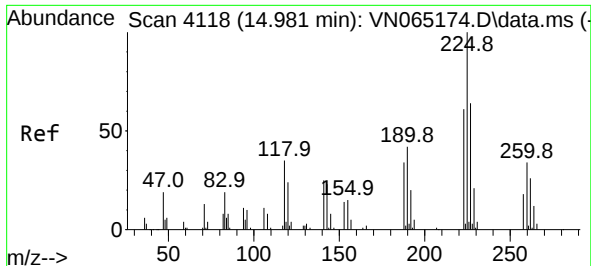
Ion Ratio Lower Upper

75 100

53 0.0 50.3 150.9#

89 0.0 23.3 69.8#

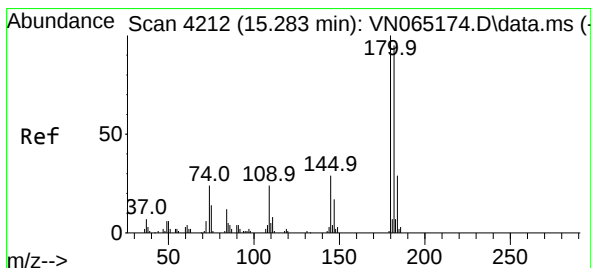
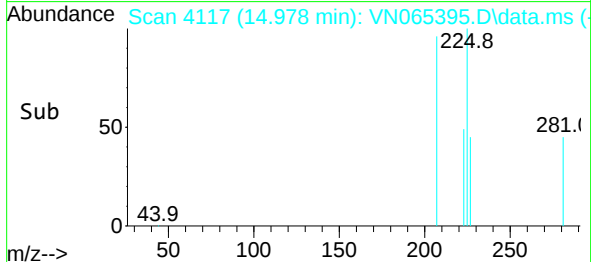
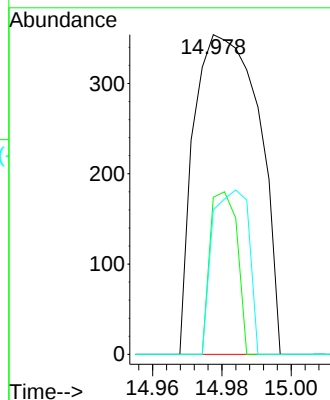
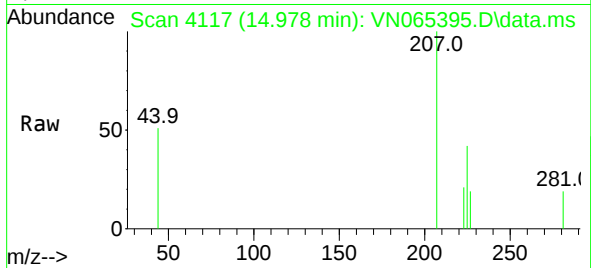




#90
Hexachlorobutadiene
Concen: 0.21 ug/l
RT: 14.978 min Scan# 4117
Delta R.T. -0.003 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion:225 Resp: 459
Ion Ratio Lower Upper
225 100
223 21.1 0.0 125.4
227 28.8 0.0 122.0



#92
1,2,3-Trichlorobenzene
Concen: 0.28 ug/l
RT: 15.289 min Scan# 4214
Delta R.T. 0.006 min
Lab File: VN065395.D
Acq: 6 Jan 2021 12:59

Tgt Ion:180 Resp: 865
Ion Ratio Lower Upper
180 100
182 79.1 0.0 186.0
145 14.3 0.0 69.6

