

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065511.D
 Acq On : 14 Jan 2021 15:57
 Operator : JC/MD
 Sample : M1137-01 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 15 04:14:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

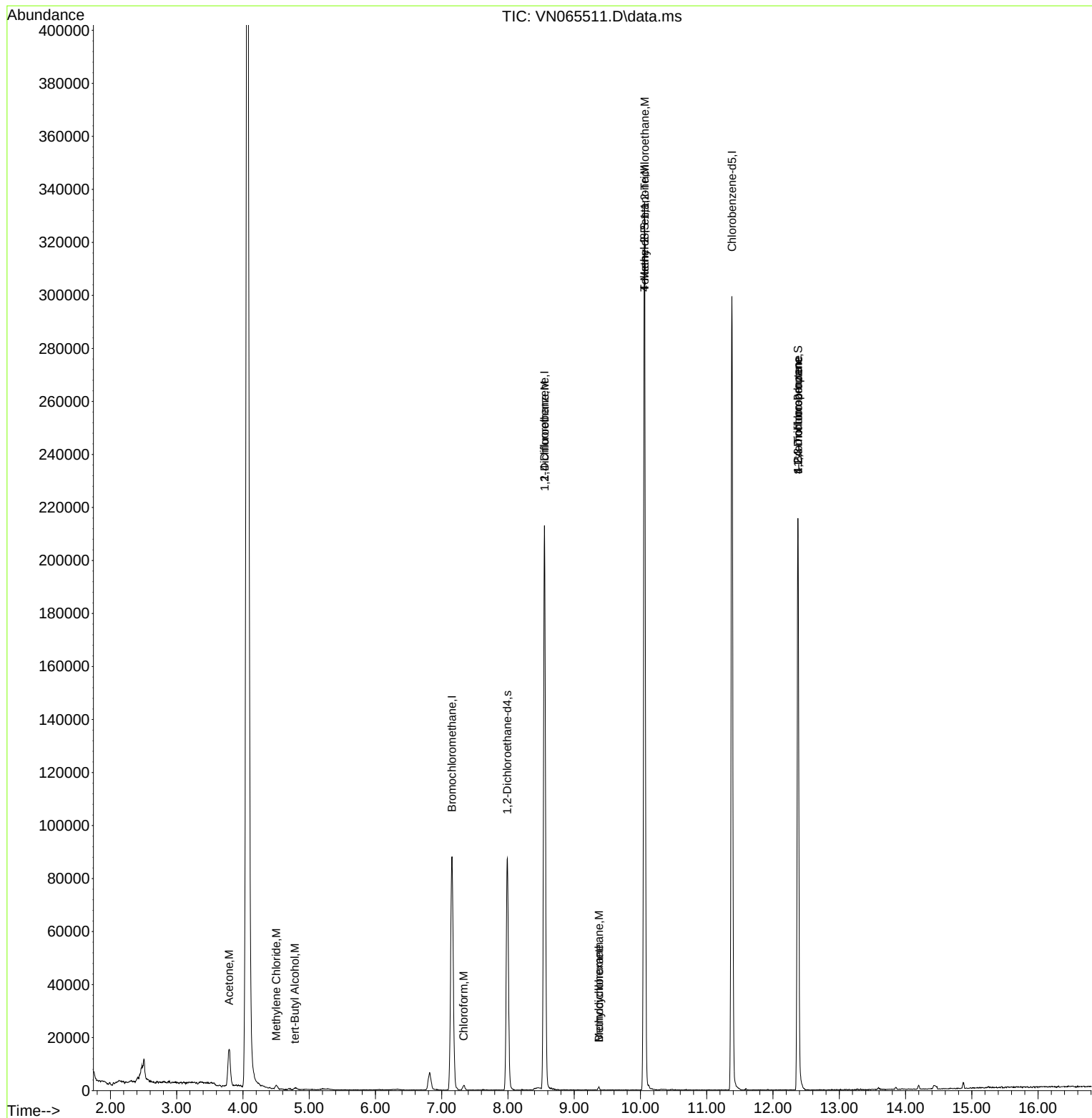
Internal Standards						
1) Bromochloromethane	7.155	128	39747	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	206479	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	190471	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	76238	30.70	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.33%
60) 4-Bromofluorobenzene	12.376	95	77363	26.82	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.40%
63) Toluene-d8	10.061	98	244179	29.29	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.63%
Target Compounds						
						Qvalue
15) Acetone	3.791	58	8580	28.85	ug/l	95
18) Methylene Chloride	4.502	84	1267	0.53	ug/l	87
23) tert-Butyl Alcohol	4.782	59	796	2.66	ug/l #	100
25) Chloroform	7.331	83	1313	0.33	ug/l	96
36) 1,2-Dichloroethane	8.553	62	5760	1.93	ug/l #	74
38) Methylcyclohexane	9.373	83	694	0.20	ug/l #	19
41) Bromodichloromethane	9.373	83	694	0.23	ug/l #	96
50) 1,1,2-Trichloroethane	10.065	97	8695	3.78	ug/l #	1
58) 4-Methyl-2-Pentanone	10.061	43	1016	0.40	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	35876	12.37	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	35876	35.19	ug/l #	14

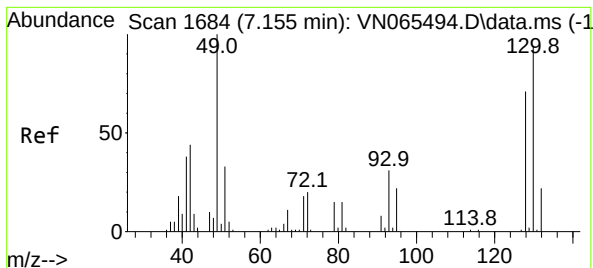
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jan 14 04:12:08 2021
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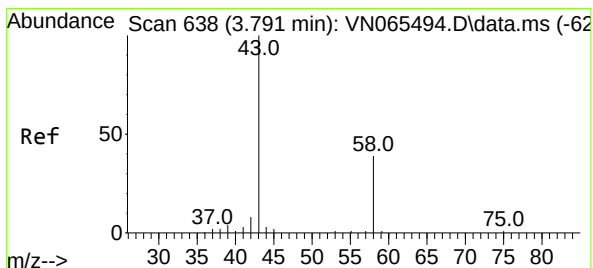
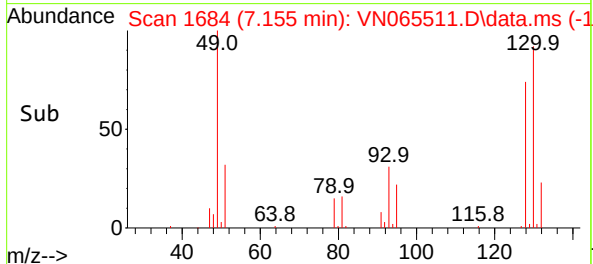
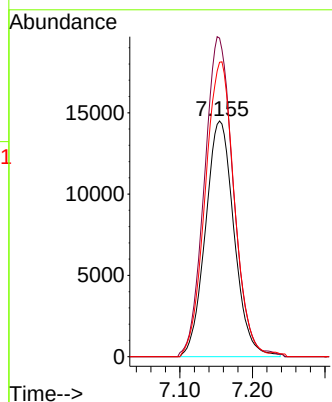
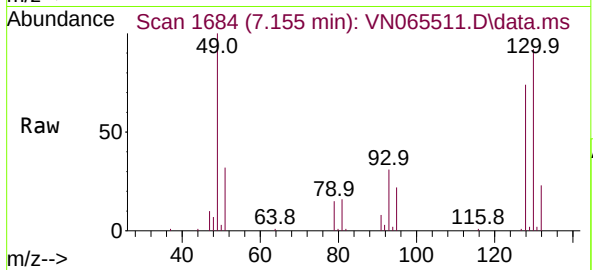




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.155 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

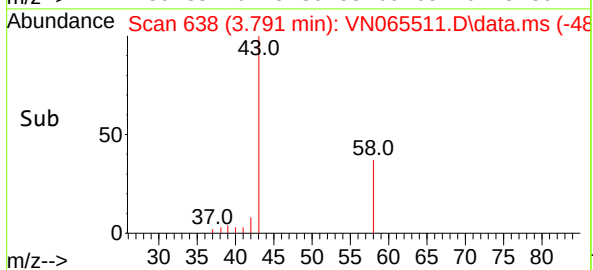
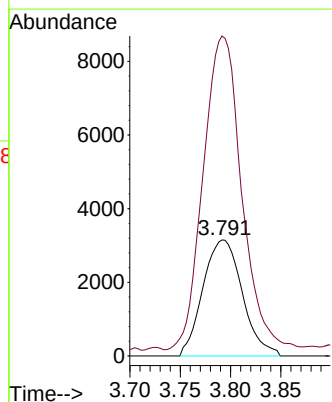
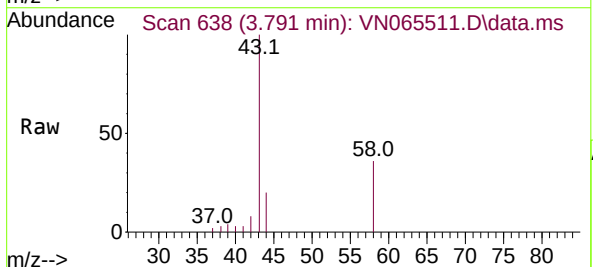
Instrument :
MSVOA_N
ClientSampleId :

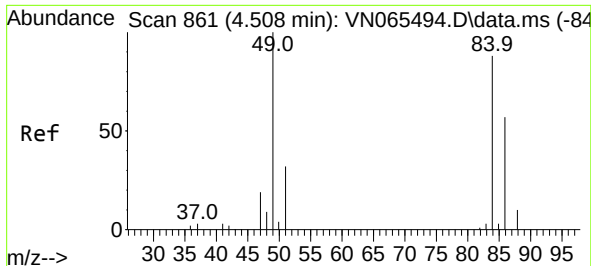
Tgt Ion:128 Resp: 39747
Ion Ratio Lower Upper
128 100
49 136.6 0.0 355.0
130 127.1 0.0 325.5



#15
Acetone
Concen: 28.85 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

Tgt Ion: 58 Resp: 8580
Ion Ratio Lower Upper
58 100
43 263.4 203.4 305.0





#18

Methylene Chloride

Concen: 0.53 ug/l

RT: 4.502 min Scan# 859

Delta R.T. -0.006 min

Lab File: VN065511.D

Acq: 14 Jan 2021 15:57

Tgt Ion: 84 Resp: 1267

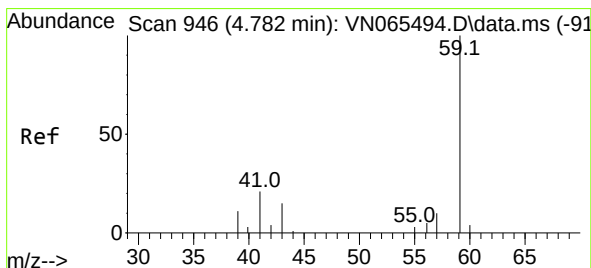
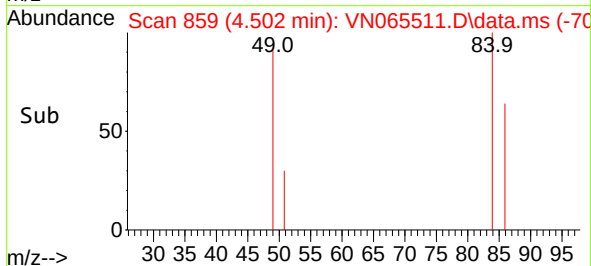
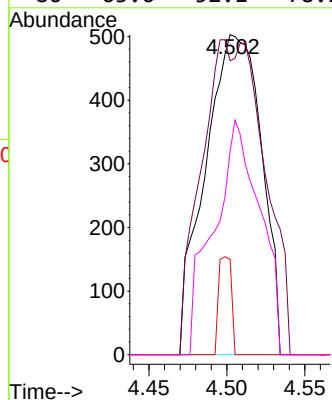
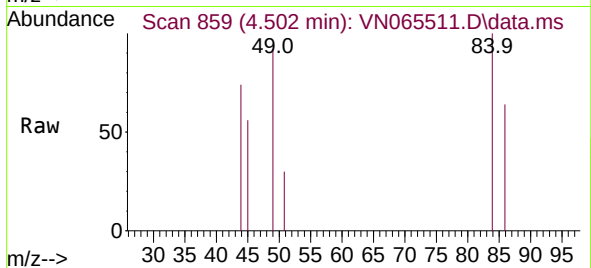
Ion Ratio Lower Upper

84 100

49 91.8 91.3 136.9

51 29.8 28.8 43.2

86 63.6 52.1 78.1



#23

tert-Butyl Alcohol

Concen: 2.66 ug/l

RT: 4.782 min Scan# 946

Delta R.T. 0.000 min

Lab File: VN065511.D

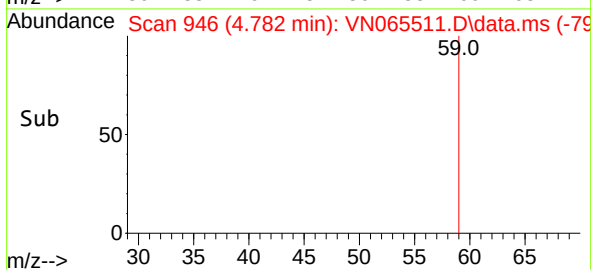
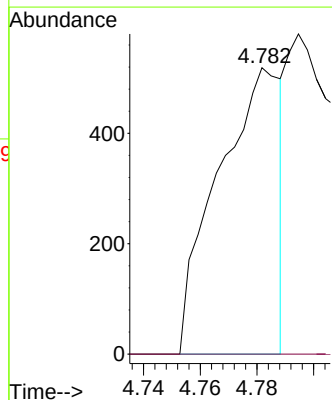
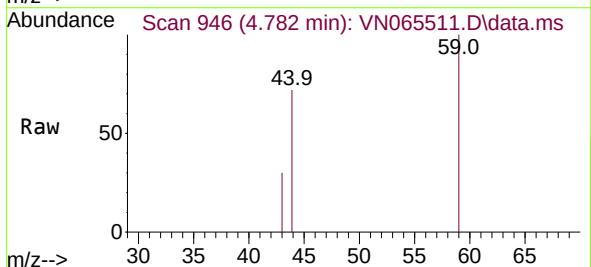
Acq: 14 Jan 2021 15:57

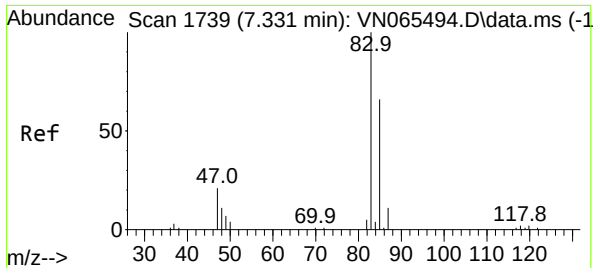
Tgt Ion: 59 Resp: 796

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

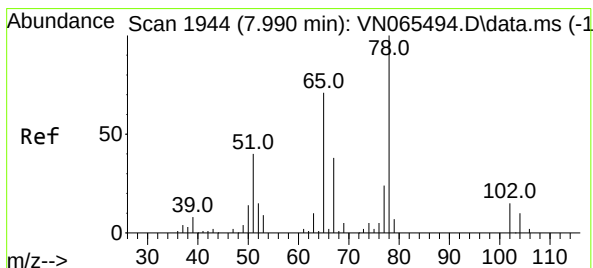
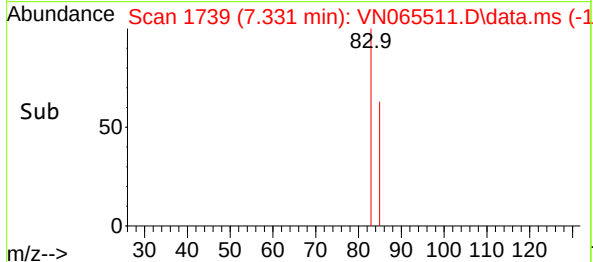
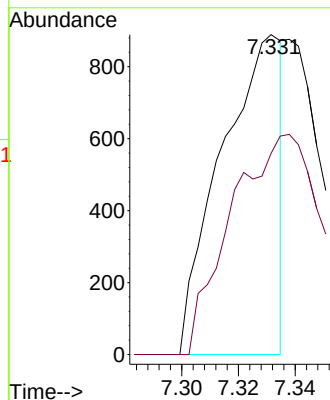
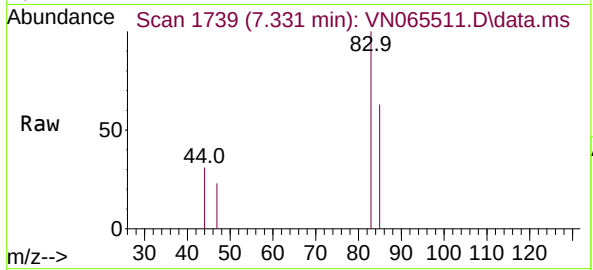




#25
Chloroform
Concen: 0.33 ug/l
RT: 7.331 min Scan# 1739
Delta R.T. 0.000 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

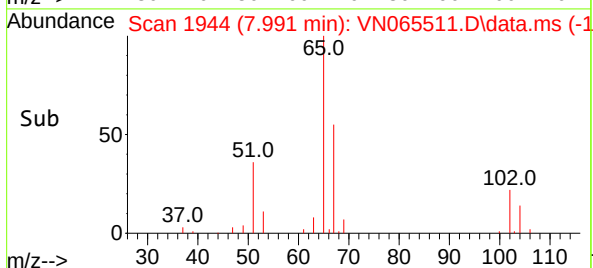
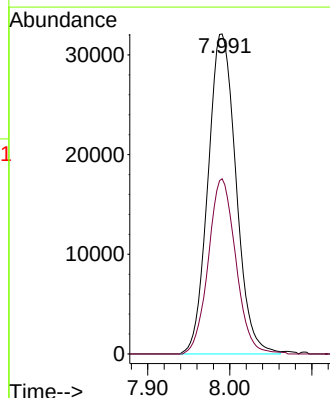
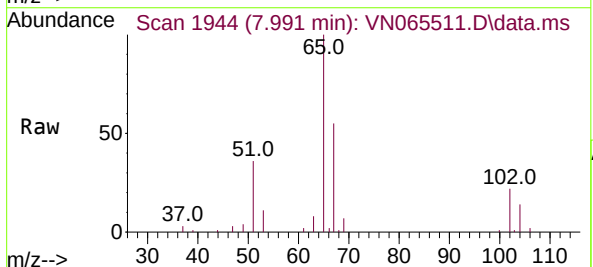
Instrument :
MSVOA_N
ClientSampled :

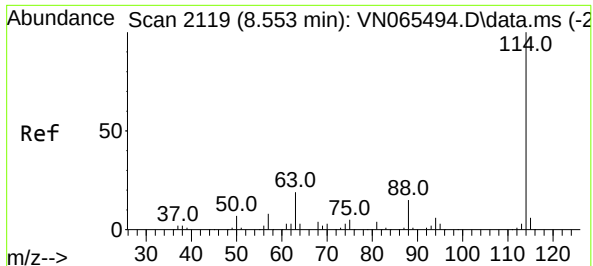
Tgt Ion: 83 Resp: 1313
Ion Ratio Lower Upper
83 100
85 62.9 53.0 79.4



#27
1,2-Dichloroethane-d4
Concen: 30.70 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

Tgt Ion: 65 Resp: 76238
Ion Ratio Lower Upper
65 100
67 53.6 42.8 64.2





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. -0.003 min

Lab File: VN065511.D

Acq: 14 Jan 2021 15:57

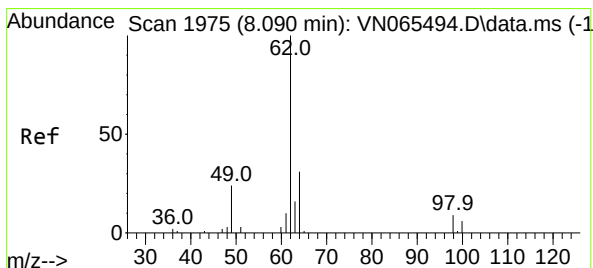
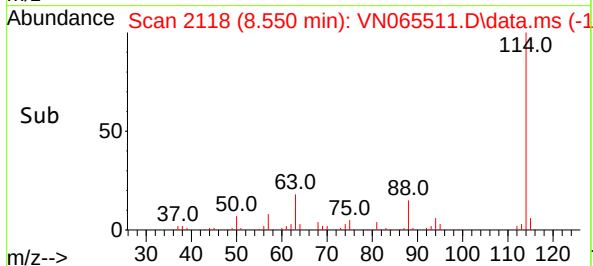
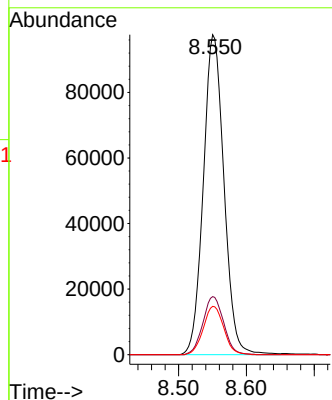
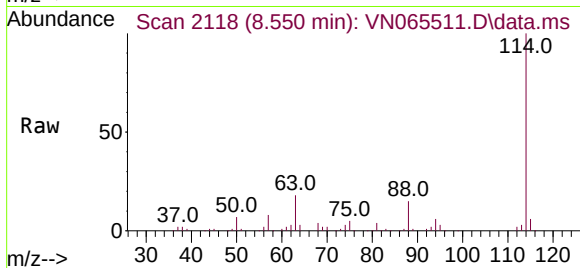
Tgt Ion:114 Resp: 206479

Ion Ratio Lower Upper

114 100

63 18.2 14.7 22.1

88 15.0 11.7 17.5



#36

1,2-Dichloroethane

Concen: 1.93 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.463 min

Lab File: VN065511.D

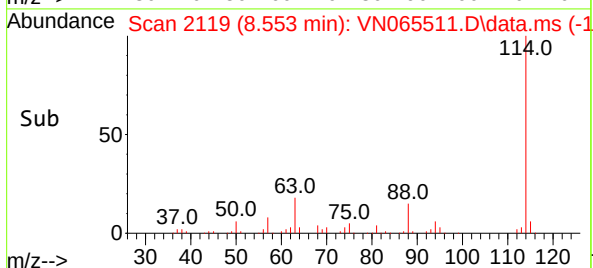
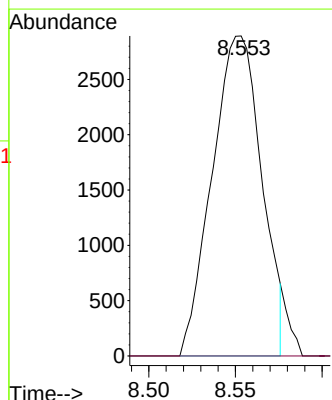
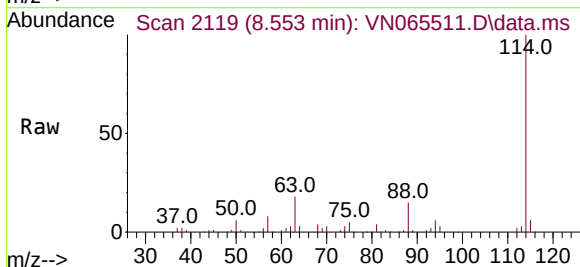
Acq: 14 Jan 2021 15:57

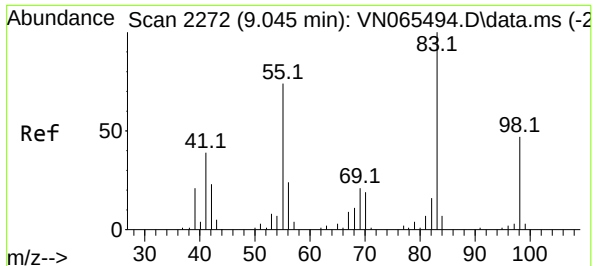
Tgt Ion: 62 Resp: 5760

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#





#38

Methylcyclohexane

Concen: 0.20 ug/l

RT: 9.373 min Scan# 2374

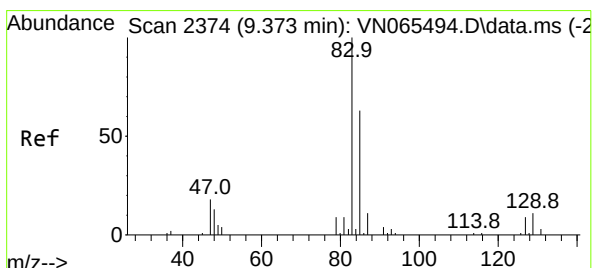
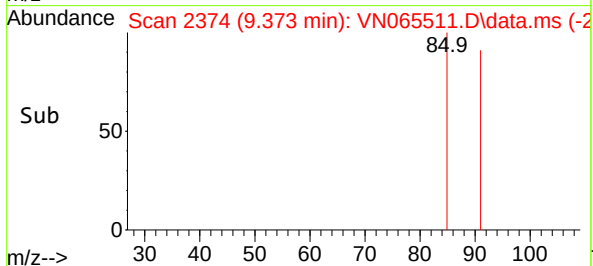
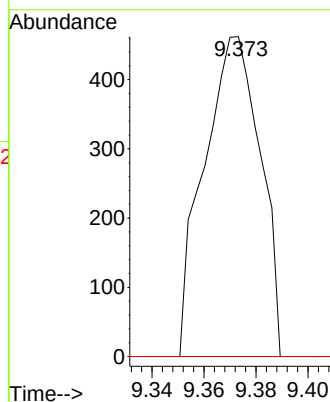
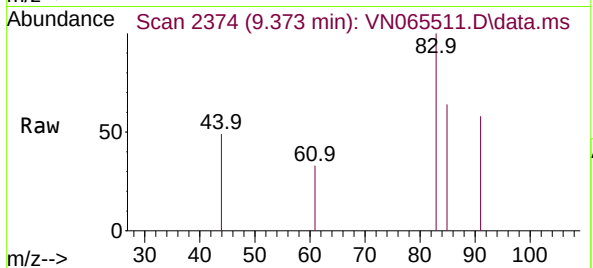
Delta R.T. 0.328 min

Lab File: VN065511.D

Acq: 14 Jan 2021 15:57

Tgt Ion:	83	Resp:	694
Ion	Ratio	Lower	Upper
83	100		
55	0.0	37.2	111.6#
98	0.0	23.8	71.4#

Instrument :
MSVOA_N
ClientSampleId :



#41

Bromodichloromethane

Concen: 0.23 ug/l

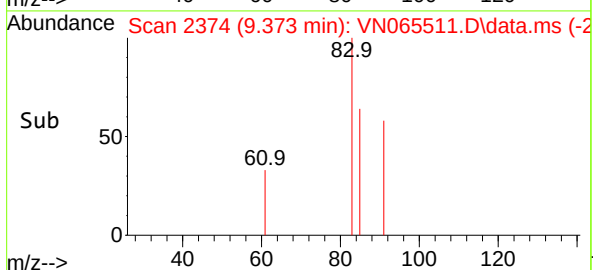
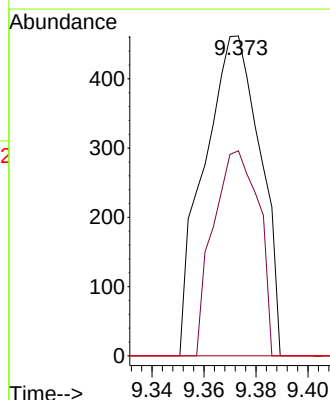
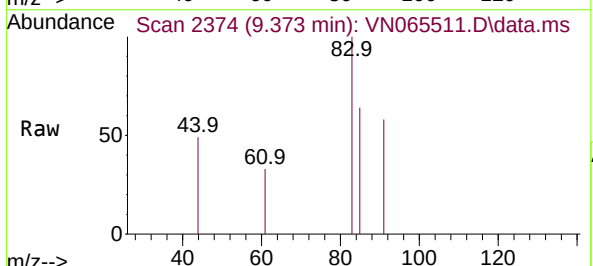
RT: 9.373 min Scan# 2374

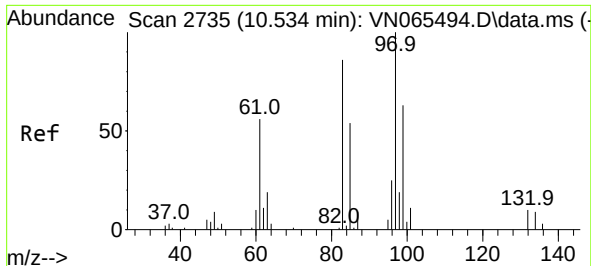
Delta R.T. 0.000 min

Lab File: VN065511.D

Acq: 14 Jan 2021 15:57

Tgt Ion:	83	Resp:	694
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1
127	0.0	7.5	11.3#

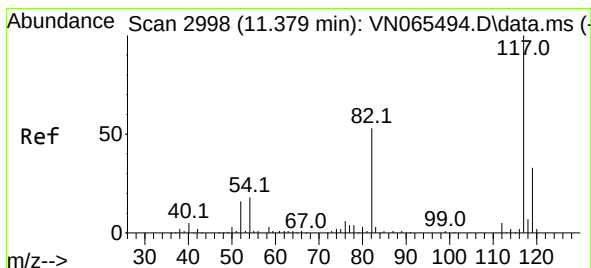
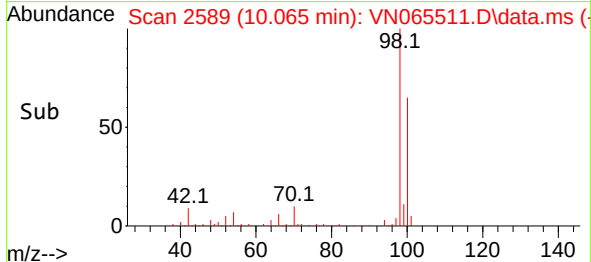
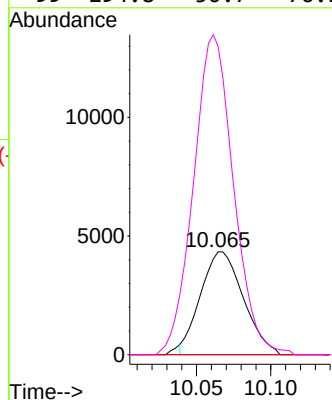
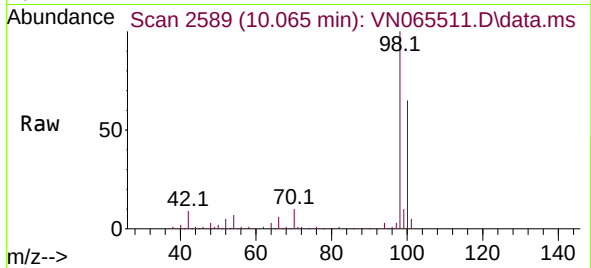




#50
1,1,2-Trichloroethane
Concen: 3.78 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. -0.469 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

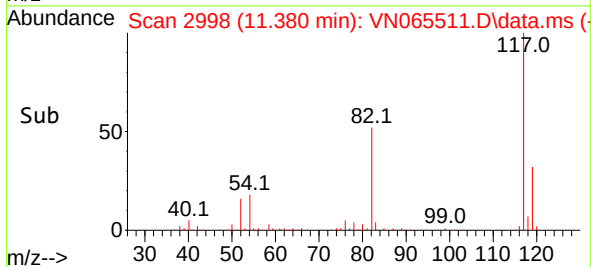
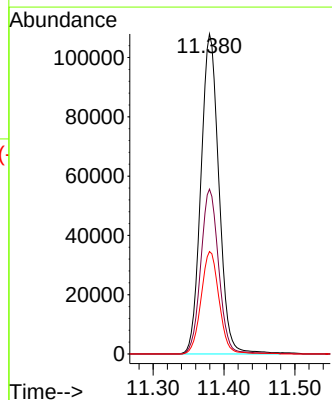
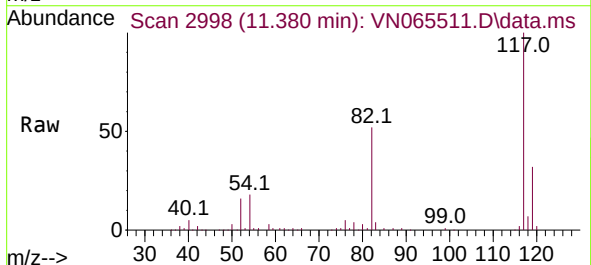
Instrument :
MSVOA_N
ClientSampleId :

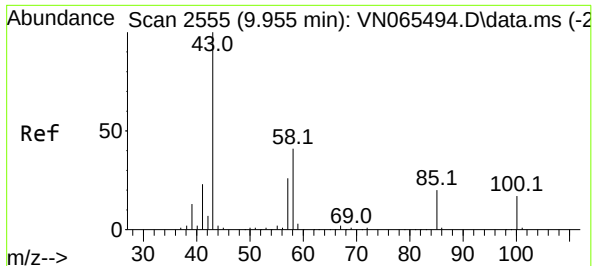
Tgt Ion: 97 Resp: 8695
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 294.8 50.7 76.1#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.001 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

Tgt Ion: 117 Resp: 190471
Ion Ratio Lower Upper
117 100
82 51.1 41.3 61.9
119 31.8 25.7 38.5

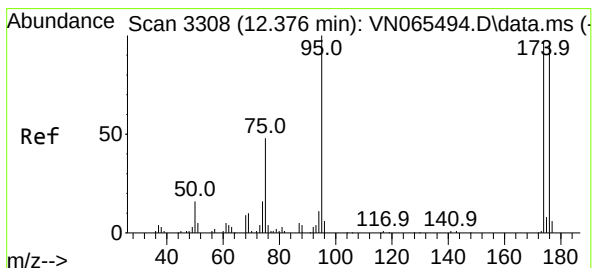
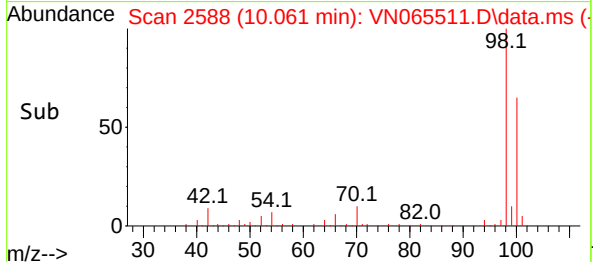
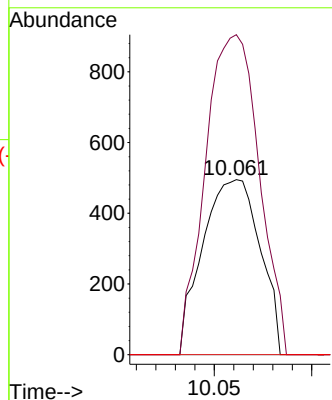
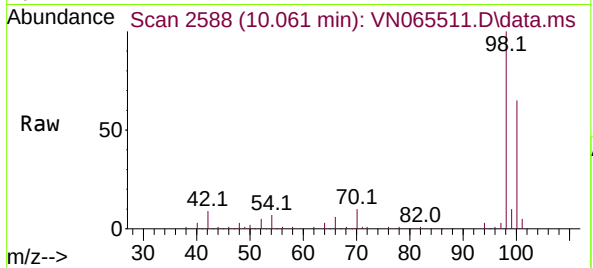




#58
4-Methyl-2-Pentanone
Concen: 0.40 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.106 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

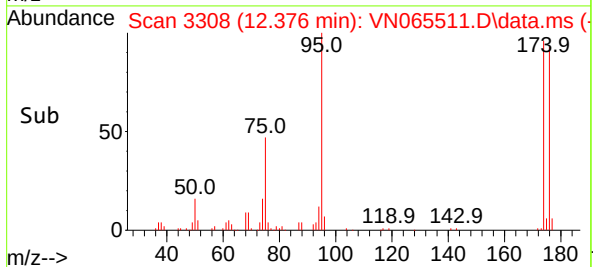
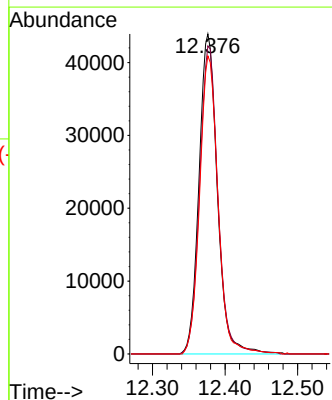
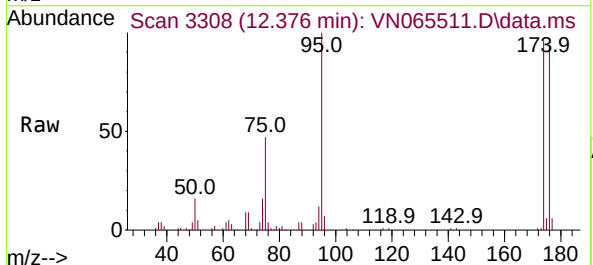
Instrument :
MSVOA_N
ClientSampled :

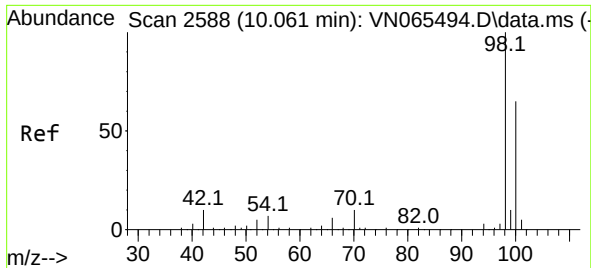
Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 171.3 32.7 49.1#
85 0.0 16.0 24.0#



#60
4-Bromofluorobenzene
Concen: 26.82 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

Tgt Ion: 95 Resp: 77363
Ion Ratio Lower Upper
95 100
174 96.3 77.0 115.6
176 92.8 75.8 113.6

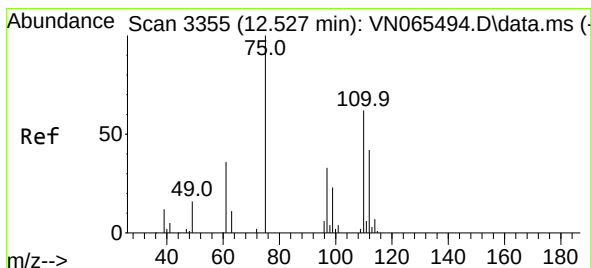
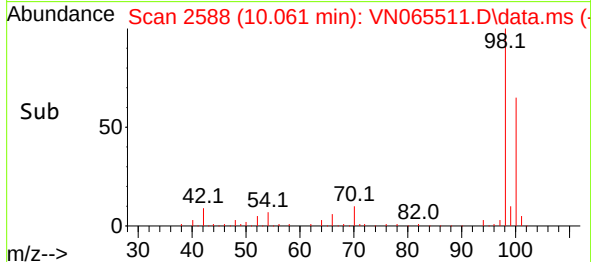
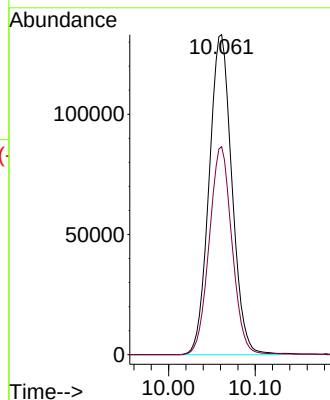
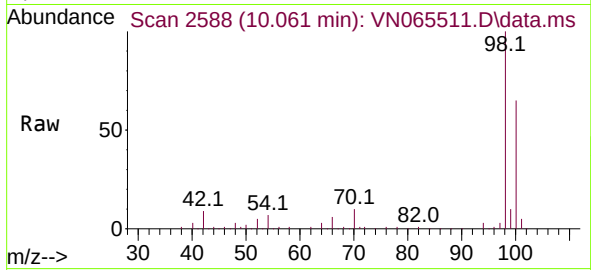




#63
Toluene-d8
Concen: 29.29 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

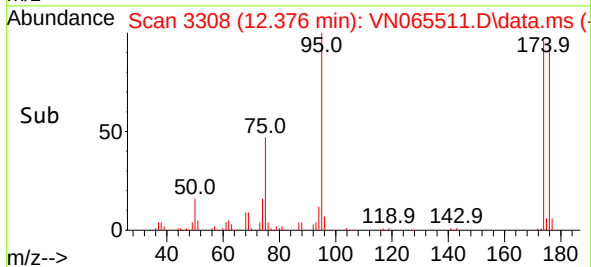
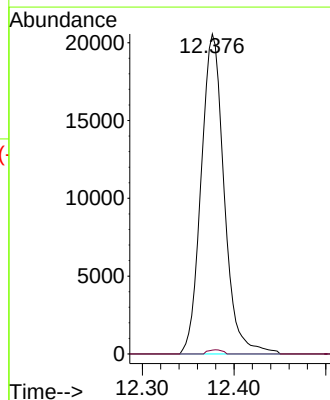
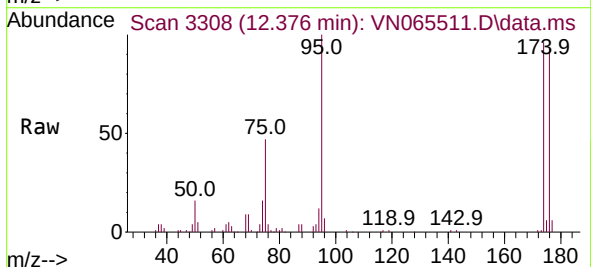
Instrument :
MSVOA_N
ClientSampleId :

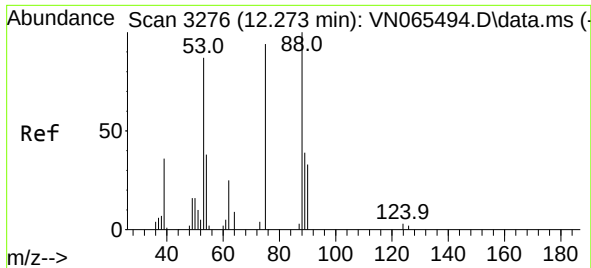
Tgt Ion: 98 Resp: 244179
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#72
1,2,3-Trichloropropane
Concen: 12.37 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065511.D
Acq: 14 Jan 2021 15:57

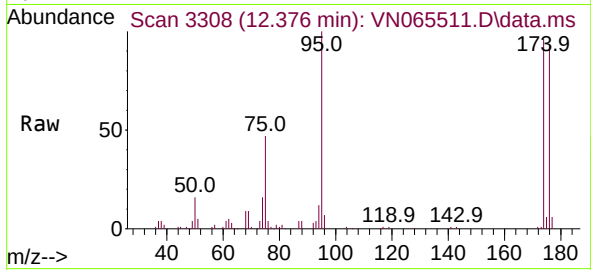
Tgt Ion: 75 Resp: 35876
Ion Ratio Lower Upper
75 100
77 0.8 0.0 366.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 35.19 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065511.D
 Acq: 14 Jan 2021 15:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 35876
 Ion Ratio Lower Upper
 75 100
 53 0.0 44.9 134.5#
 89 0.0 21.3 64.0#

