

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065508.D
 Acq On : 14 Jan 2021 14:42
 Operator : JC/MD
 Sample : M1143-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

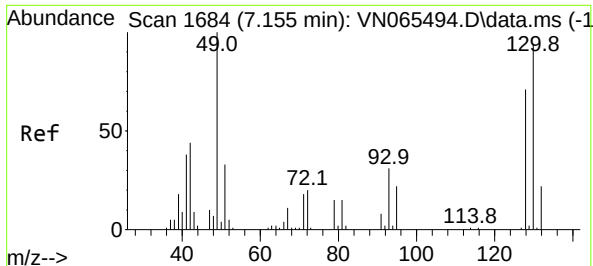
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 15 04:14:18 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	40515	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	209935	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	187256	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.994	65	79281	31.32	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.40%
60) 4-Bromofluorobenzene	12.376	95	68075	24.00	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.00%
63) Toluene-d8	10.061	98	249368	30.42	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.40%
Target Compounds						
					Qvalue	
15) Acetone	3.801	58	571	1.88	ug/l #	23
36) 1,2-Dichloroethane	8.553	62	5916	1.95	ug/l #	74
50) 1,1,2-Trichloroethane	10.068	97	8334	3.57	ug/l #	1
56) Bromoform	12.376	173	413	0.20	ug/l #	1
58) 4-Methyl-2-Pentanone	10.061	43	935	0.38	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	31931	11.20	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	31931	31.86	ug/l #	14

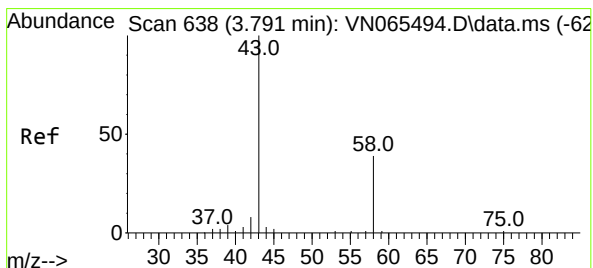
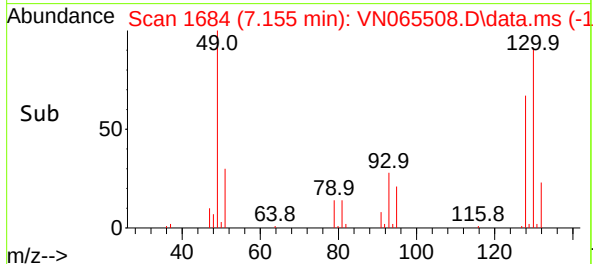
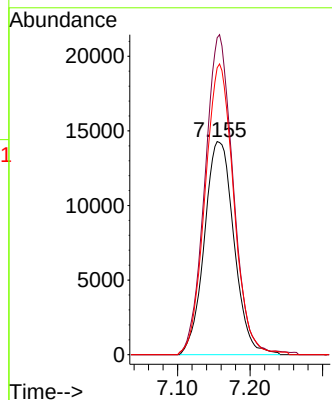
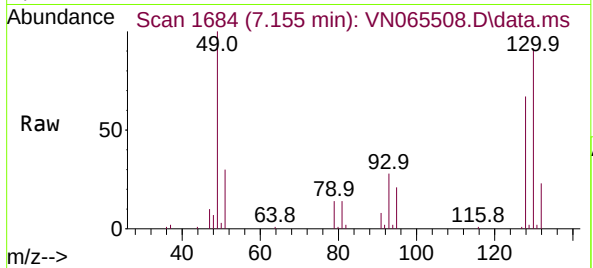
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.155 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

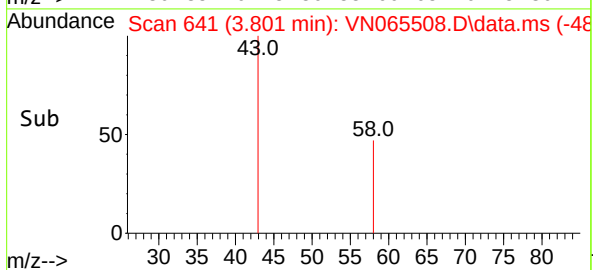
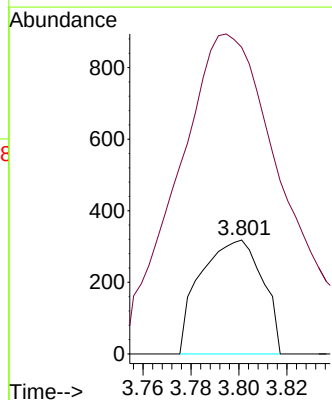
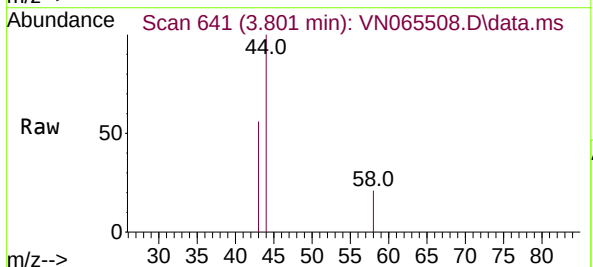
Instrument :
MSVOA_N
ClientSampleId :

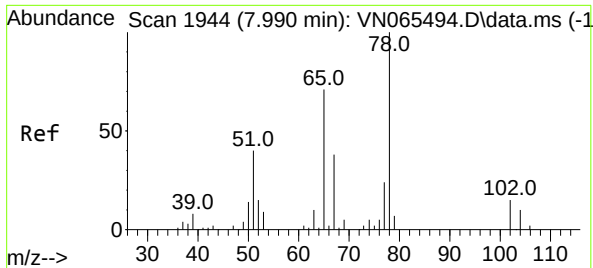
Tgt Ion:128 Resp: 40515
Ion Ratio Lower Upper
128 100
49 142.7 0.0 355.0
130 131.9 0.0 325.5



#15
Acetone
Concen: 1.88 ug/l
RT: 3.801 min Scan# 641
Delta R.T. 0.010 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

Tgt Ion: 58 Resp: 571
Ion Ratio Lower Upper
58 100
43 117.6 203.4 305.0#





#27

1,2-Dichloroethane-d4

Concen: 31.32 ug/l

RT: 7.994 min Scan# 1945

Delta R.T. 0.003 min

Lab File: VN065508.D

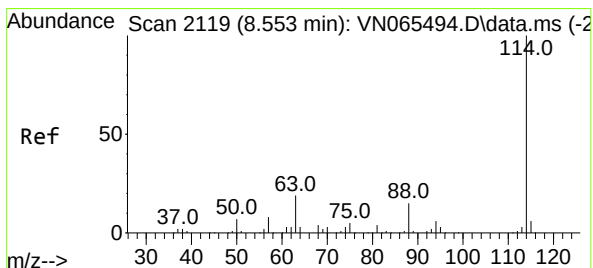
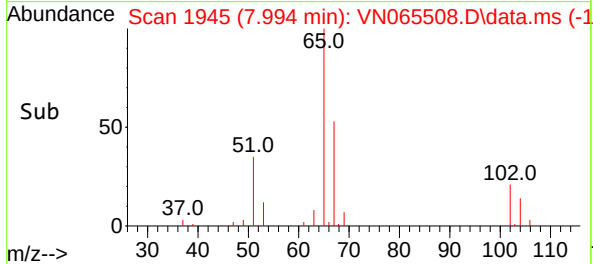
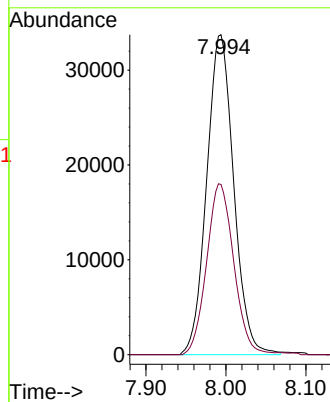
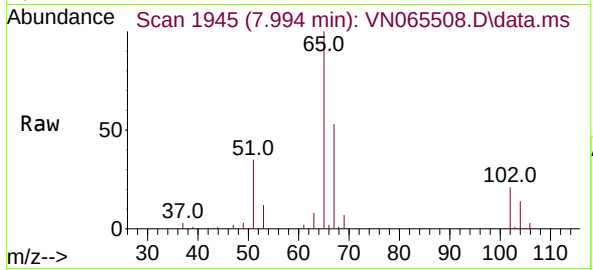
Acq: 14 Jan 2021 14:42

Tgt Ion: 65 Resp: 79281

Ion Ratio Lower Upper

65 100

67 53.6 42.8 64.2



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.000 min

Lab File: VN065508.D

Acq: 14 Jan 2021 14:42

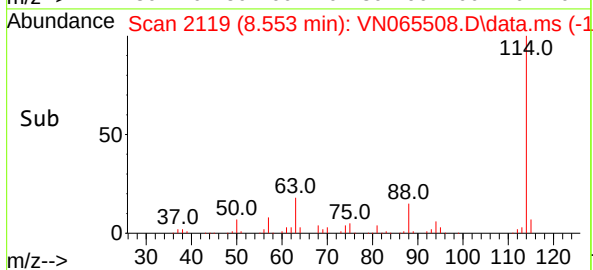
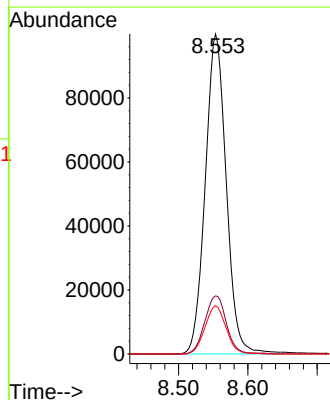
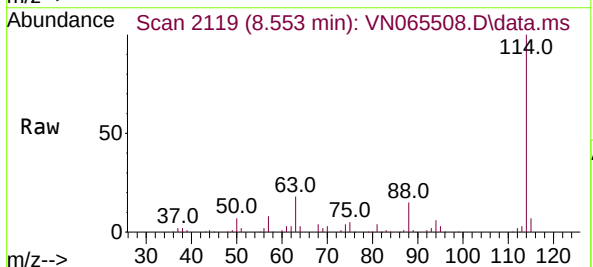
Tgt Ion: 114 Resp: 209935

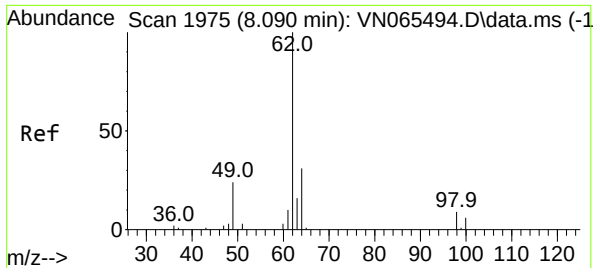
Ion Ratio Lower Upper

114 100

63 18.6 14.7 22.1

88 15.0 11.7 17.5

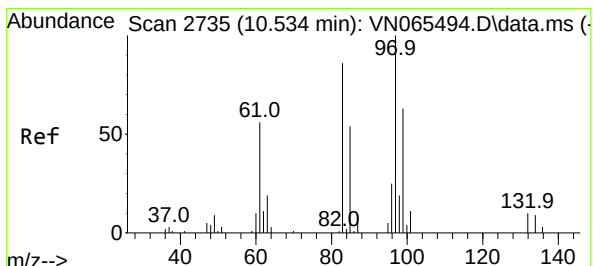
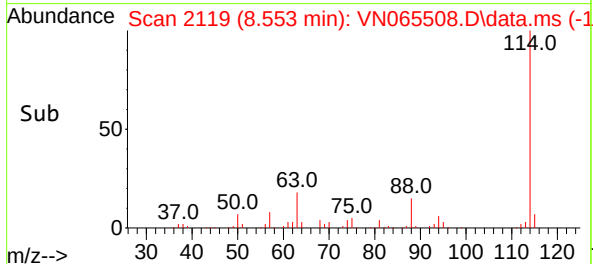
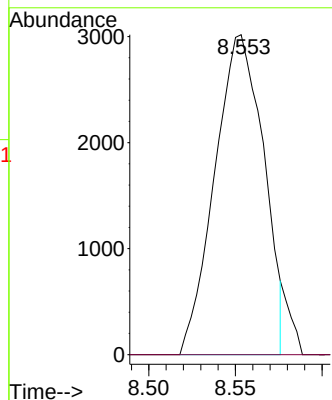
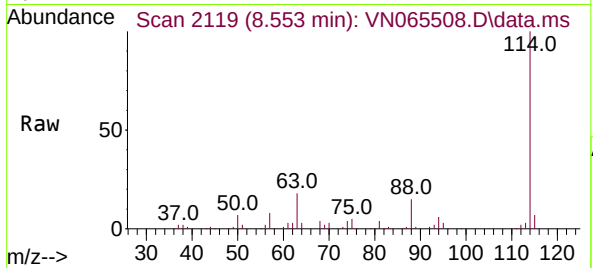




#36
1,2-Dichloroethane
Concen: 1.95 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.463 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

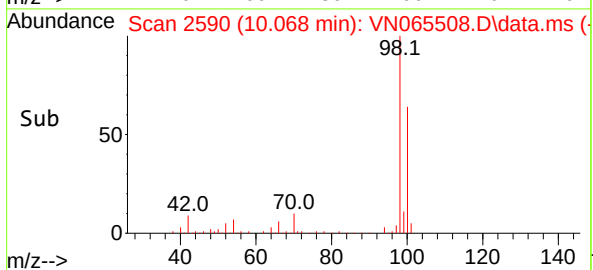
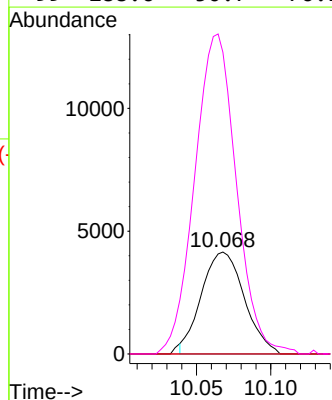
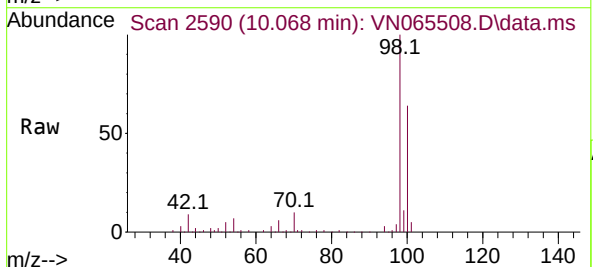
Instrument :
MSVOA_N
ClientSampled :

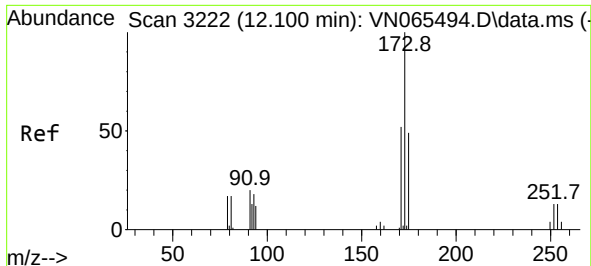
Tgt Ion: 62 Resp: 5916
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#50
1,1,2-Trichloroethane
Concen: 3.57 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.466 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

Tgt Ion: 97 Resp: 8334
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 288.6 50.7 76.1#

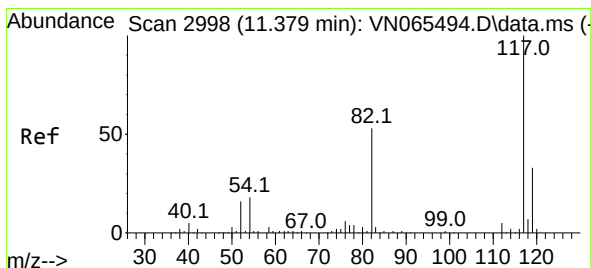
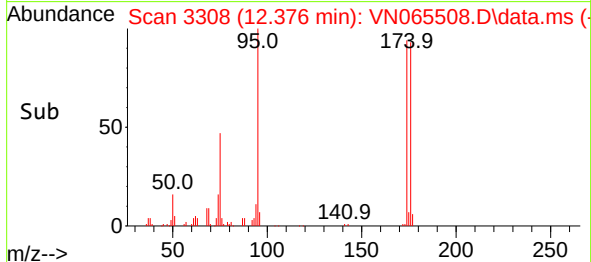
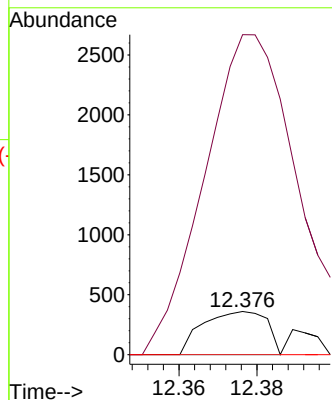
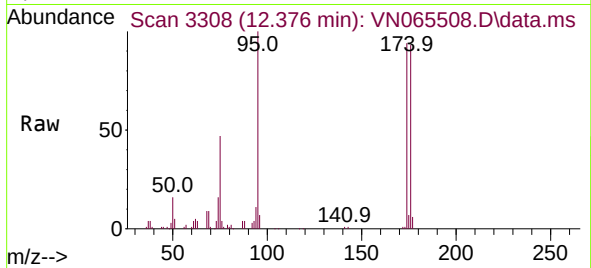




#56
Bromoform
Concen: 0.20 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.277 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

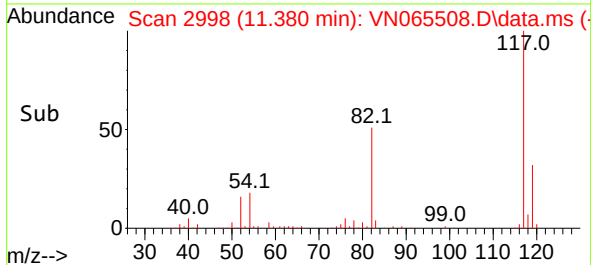
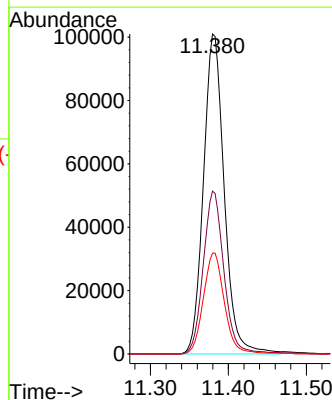
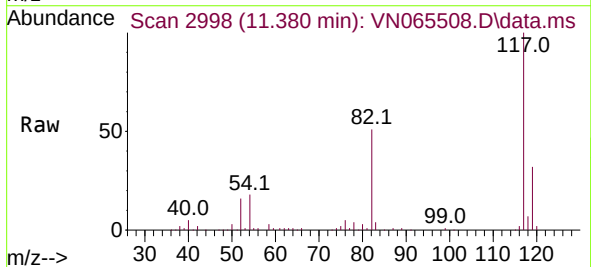
Instrument :
MSVOA_N
ClientSampled :

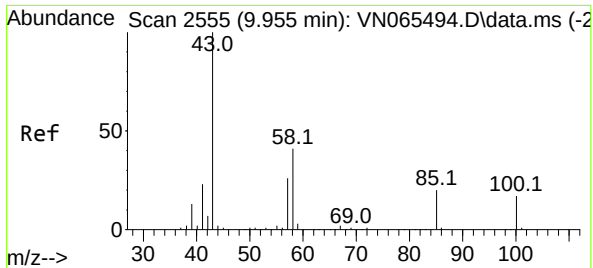
Tgt Ion:173 Resp: 413
Ion Ratio Lower Upper
173 100
175 1122.3 38.2 57.4#
254 0.0 9.8 14.8#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.001 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

Tgt Ion:117 Resp: 187256
Ion Ratio Lower Upper
117 100
82 50.5 41.3 61.9
119 31.8 25.7 38.5

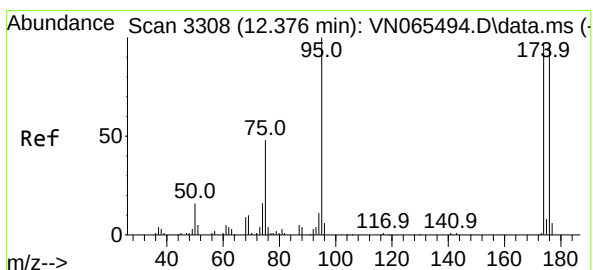
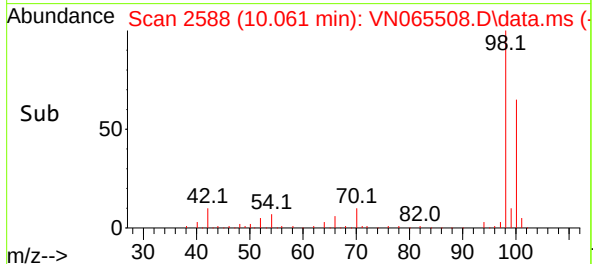
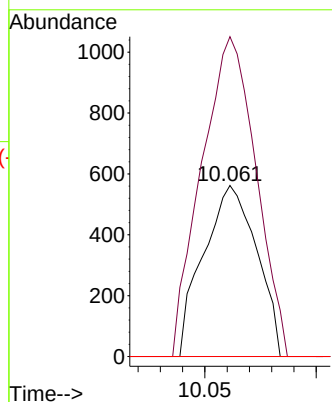
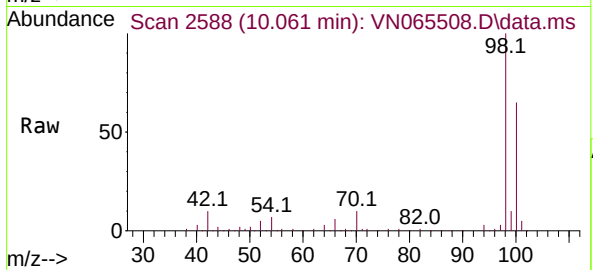




#58
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.106 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

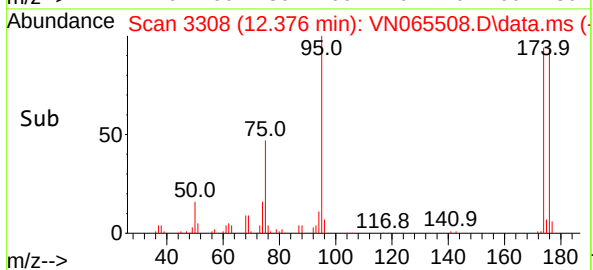
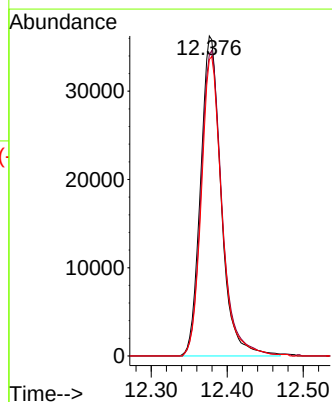
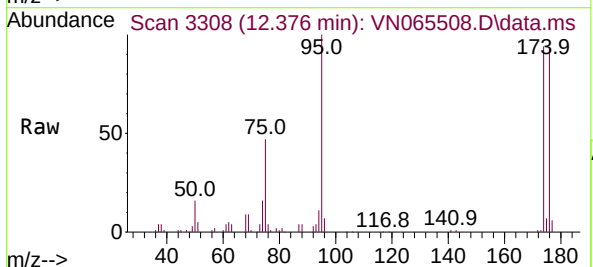
Instrument :
MSVOA_N
ClientSampled :

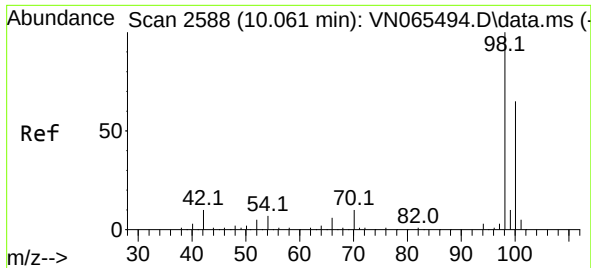
Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
58 191.2 32.7 49.1#
85 0.0 16.0 24.0#



#60
4-Bromofluorobenzene
Concen: 24.00 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

Tgt Ion: 95 Resp: 68075
Ion Ratio Lower Upper
95 100
174 97.5 77.0 115.6
176 93.6 75.8 113.6

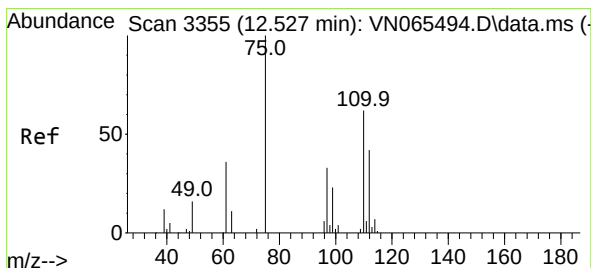
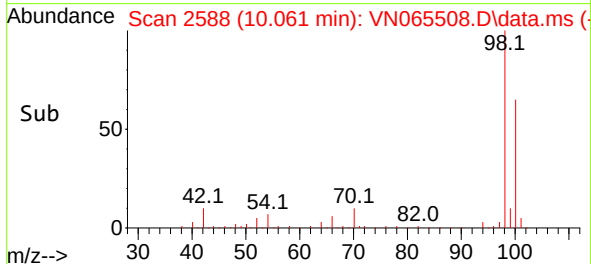
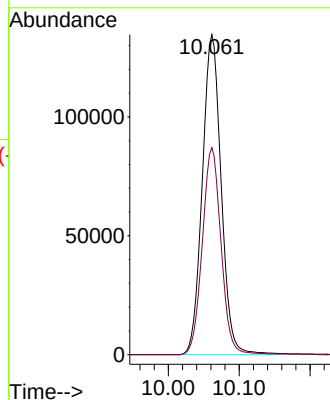
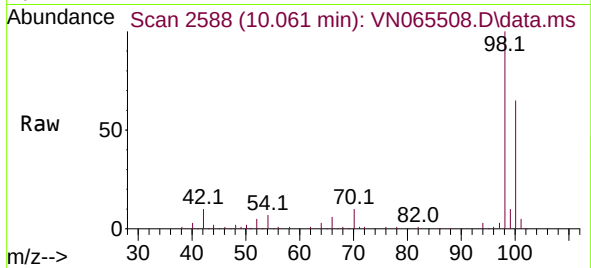




#63
Toluene-d8
Concen: 30.42 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

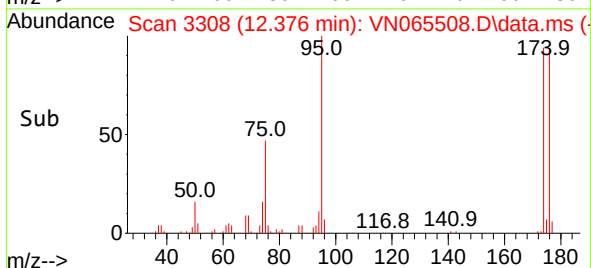
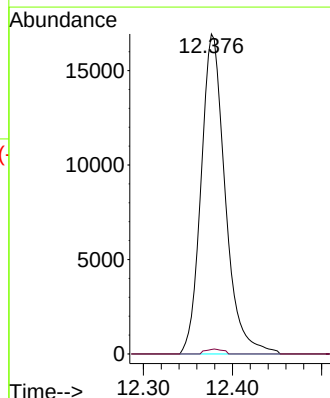
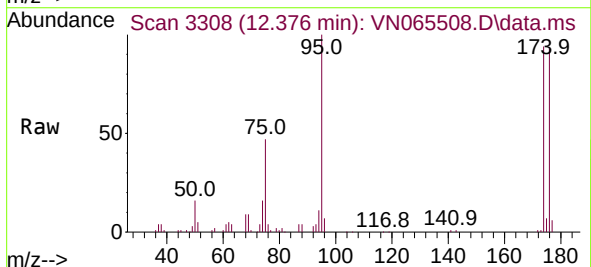
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ClientSampled :

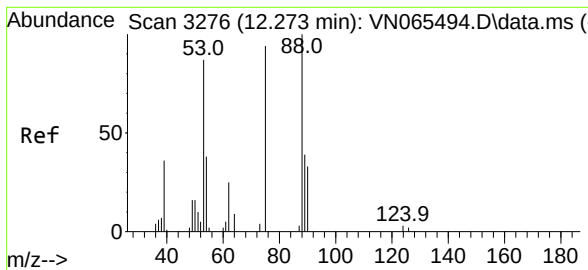
Tgt Ion: 98 Resp: 249368
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#72
1,2,3-Trichloropropane
Concen: 11.20 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065508.D
Acq: 14 Jan 2021 14:42

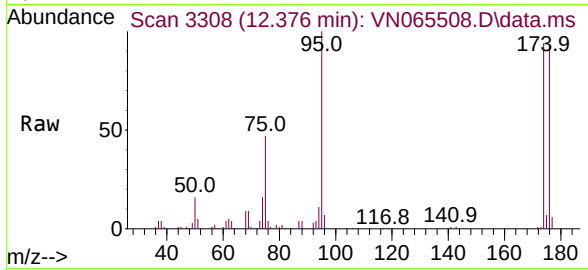
Tgt Ion: 75 Resp: 31931
Ion Ratio Lower Upper
75 100
77 1.1 0.0 366.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 31.86 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065508.D
 Acq: 14 Jan 2021 14:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 31931
 Ion Ratio Lower Upper
 75 100
 53 0.0 44.9 134.5#
 89 0.0 21.3 64.0#

