

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
 Data File : VN065396.D
 Acq On : 6 Jan 2021 13:23
 Operator : JC/MD
 Sample : M1018-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Jan 07 01:18:01 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)

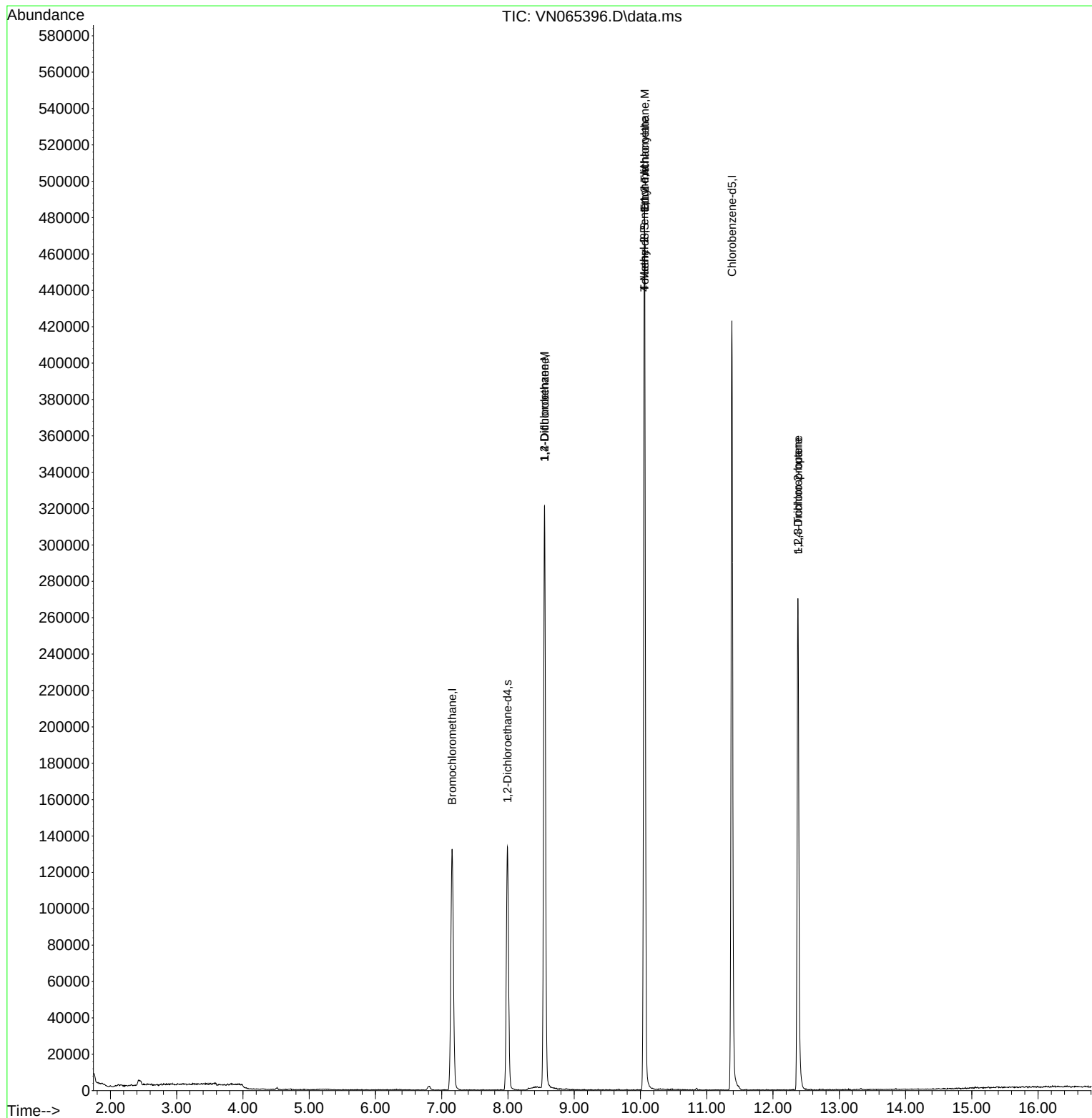
Internal Standards						
1) Bromochloromethane	7.158	128	57079	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	8.553	114	304661	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	266751	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.994	65	117712	28.42	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.73%
60) 4-Bromofluorobenzene	12.505	95	254	0.06	ug/l	0.13
Spiked Amount	30.000	Range	63 - 112	Recovery	=	0.20%#
63) Toluene-d8	10.061	98	358674	30.32	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.07%
Target Compounds						
						Qvalue
36) 1,2-Dichloroethane	8.550	62	8226	1.67	ug/l #	80
50) 1,1,2-Trichloroethane	10.065	97	11899	3.62	ug/l #	1
51) Ethyl methacrylate	10.065	69	1121	0.22	ug/l	88
58) 4-Methyl-2-Pentanone	10.058	43	1886	0.46	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	48472	11.42	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	48448	29.05	ug/l #	9

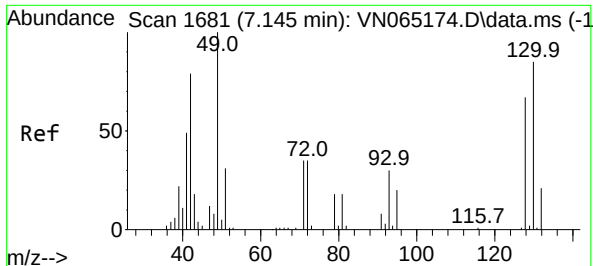
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 07 01:18:01 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

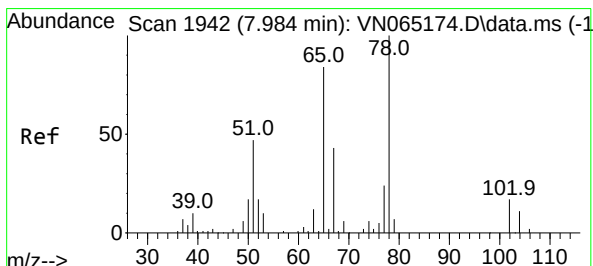
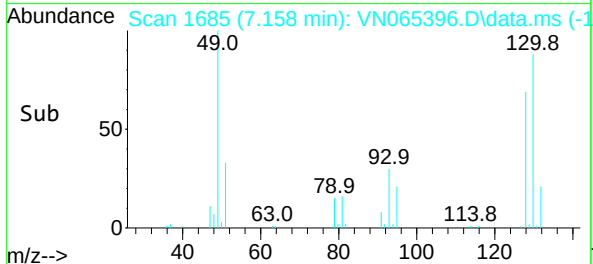
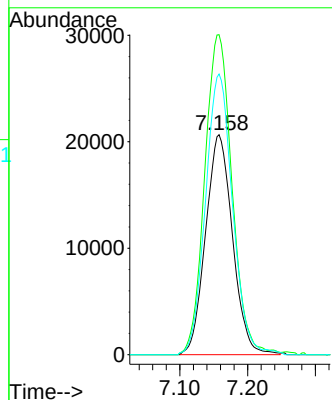
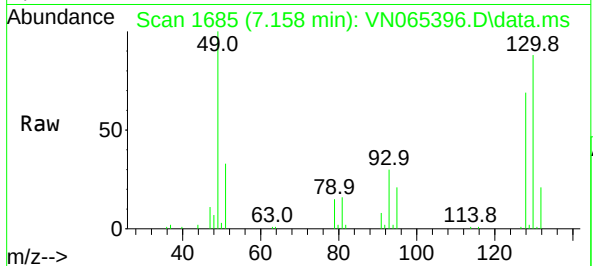




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.158 min Scan# 1685
Delta R.T. 0.013 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

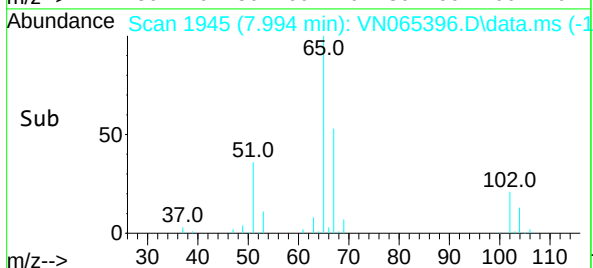
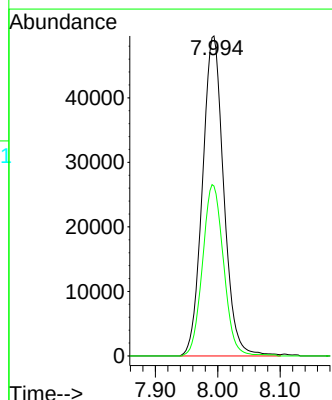
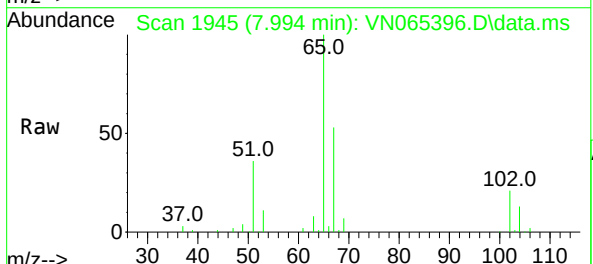
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MSVOA_N
ClientSampleId :
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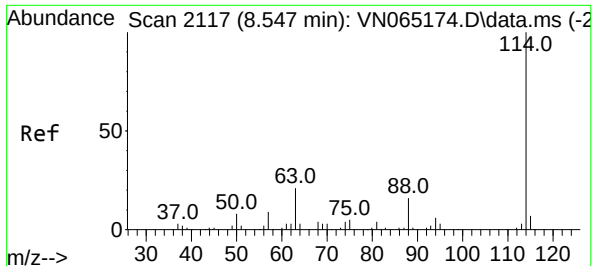
Tgt Ion:128 Resp: 57079
Ion Ratio Lower Upper
128 100
49 146.6 0.0 475.5
130 127.4 0.0 315.3



#27
1,2-Dichloroethane-d4
Concen: 28.42 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.010 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

Tgt Ion: 65 Resp: 117712
Ion Ratio Lower Upper
65 100
67 52.6 41.1 61.7

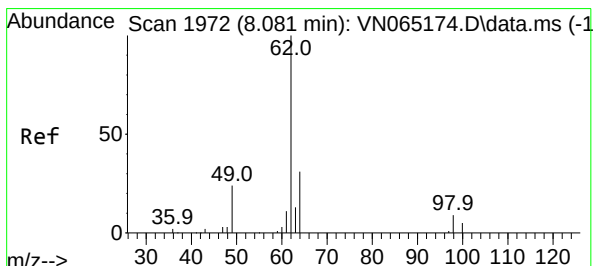
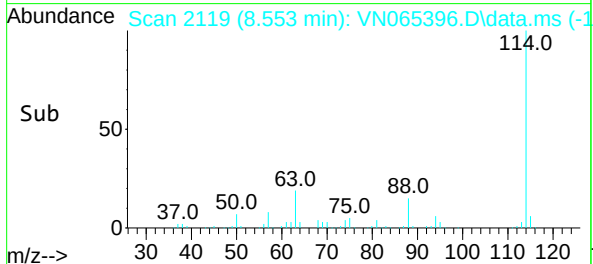
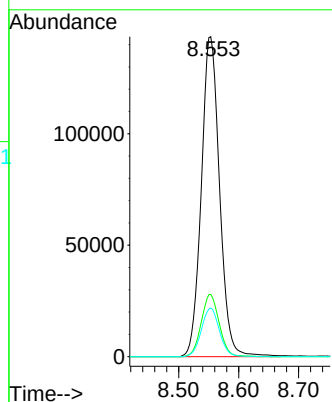
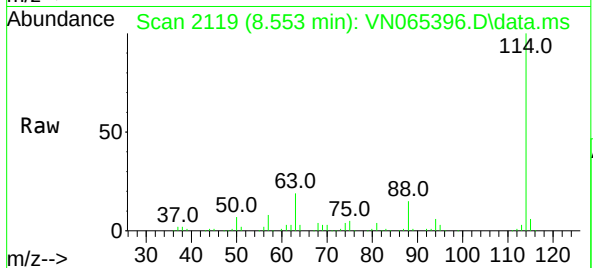




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

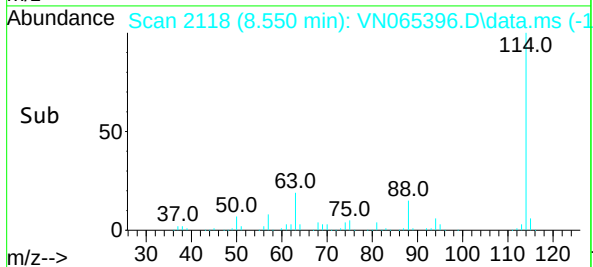
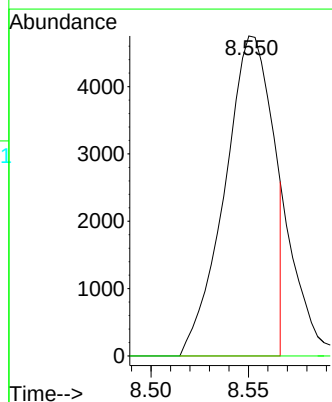
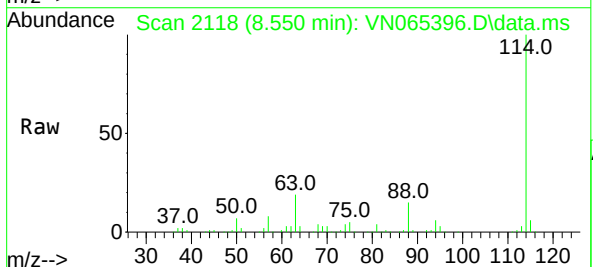
Instrument :
MSVOA_N
ClientSampleId :
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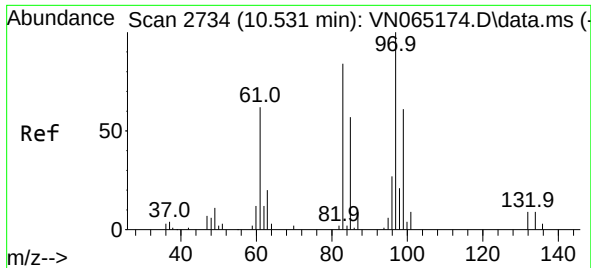
Tgt Ion:114 Resp: 304661
Ion Ratio Lower Upper
114 100
63 19.1 18.5 27.7
88 15.0 13.0 19.6



#36
1,2-Dichloroethane
Concen: 1.67 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.469 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

Tgt Ion: 62 Resp: 8226
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#

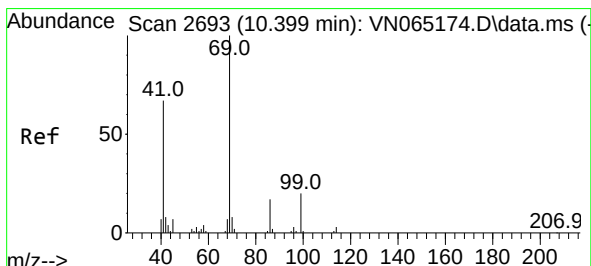
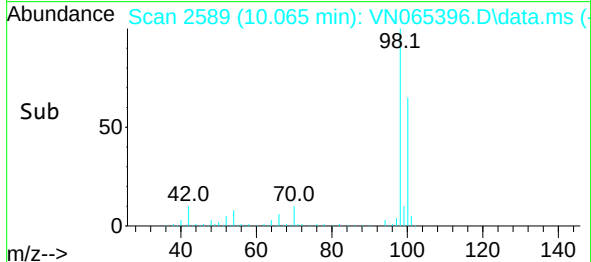
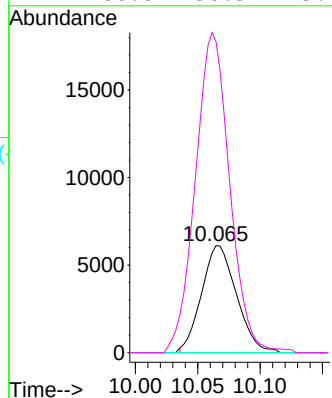
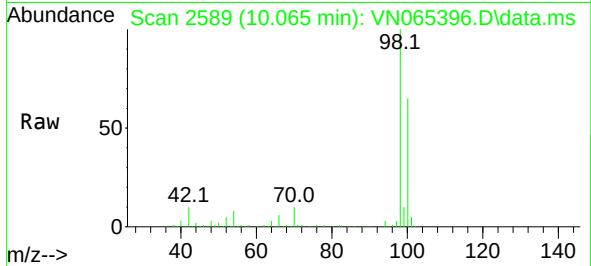




#50
1,1,2-Trichloroethane
Concen: 3.62 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. -0.466 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

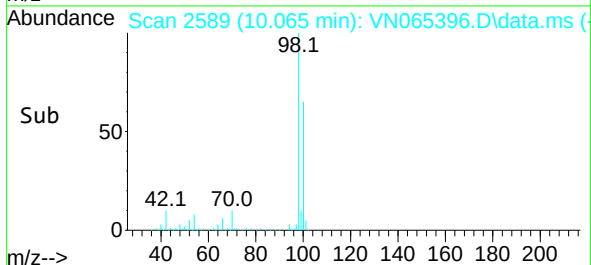
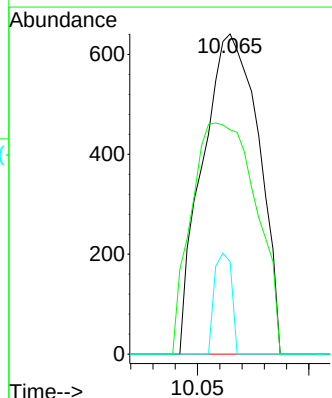
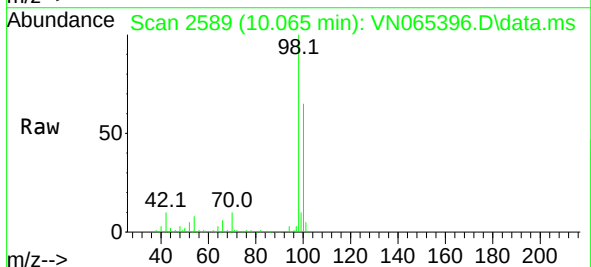
Instrument :
MSVOA_N
ClientSampled :
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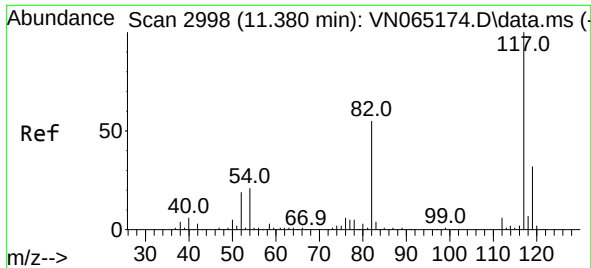
Tgt Ion: 97 Resp: 11899
Ion Ratio Lower Upper
97 100
83 0.0 74.2 111.4#
85 0.0 44.8 67.2#
99 286.8 50.5 75.7#



#51
Ethyl methacrylate
Concen: 0.22 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. -0.334 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

Tgt Ion: 69 Resp: 1121
Ion Ratio Lower Upper
69 100
41 70.0 35.4 106.1
39 28.9 24.1 72.2

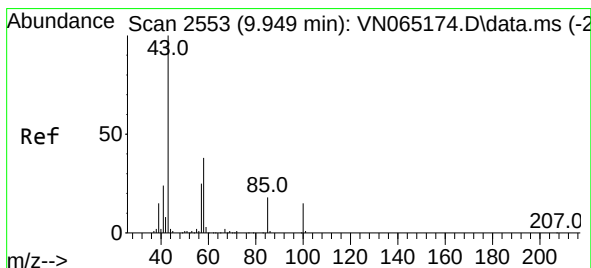
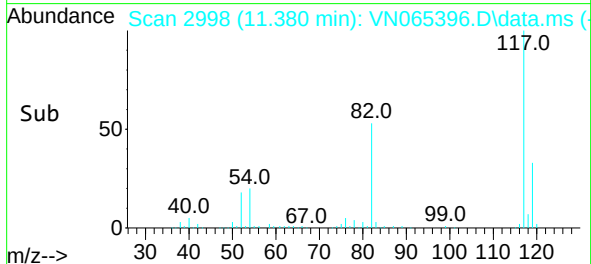
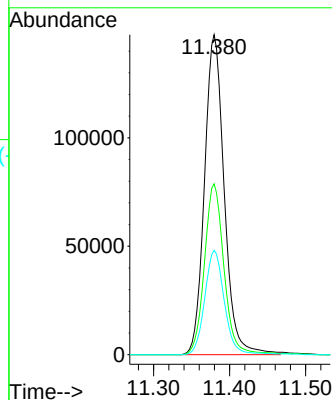
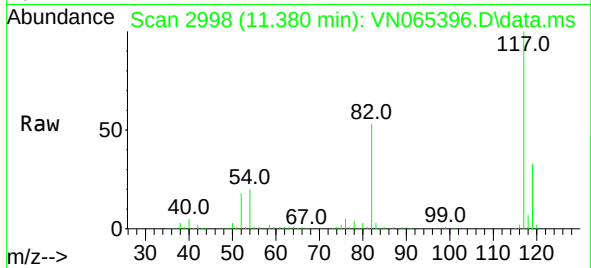




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.000 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

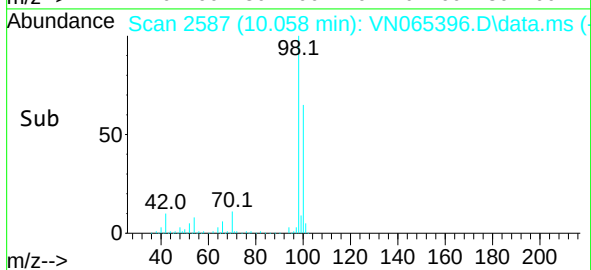
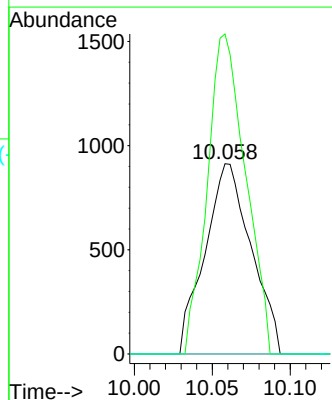
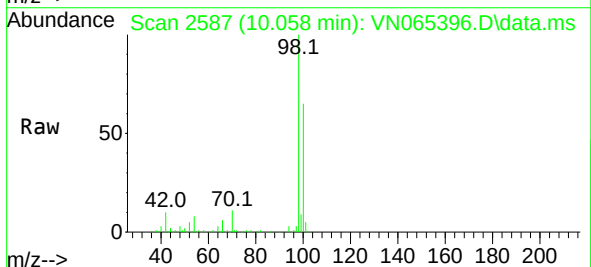
Instrument :
MSVOA_N
ClientSampled :
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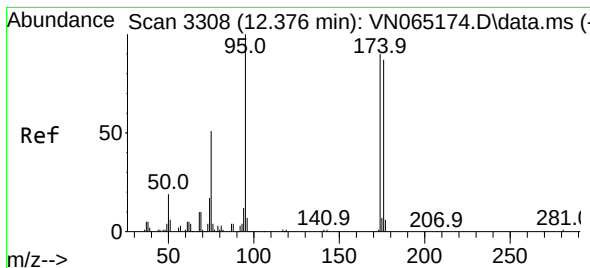
Tgt Ion:117 Resp: 266751
Ion Ratio Lower Upper
117 100
82 52.9 47.8 71.8
119 32.3 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.109 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
58 138.8 28.8 43.2#
85 0.0 12.3 18.5#

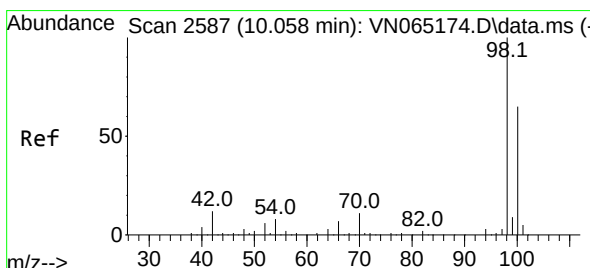
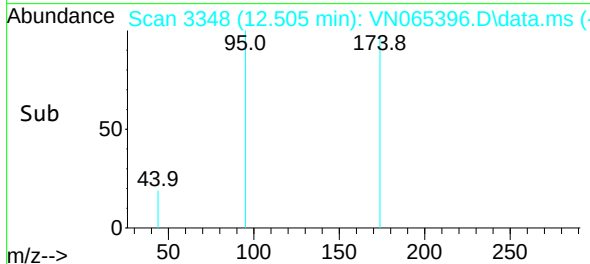
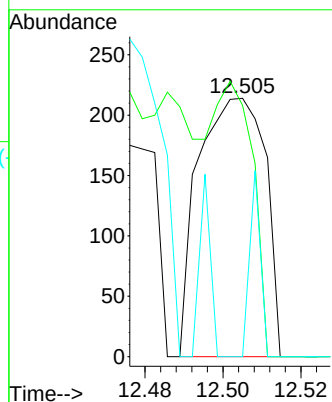
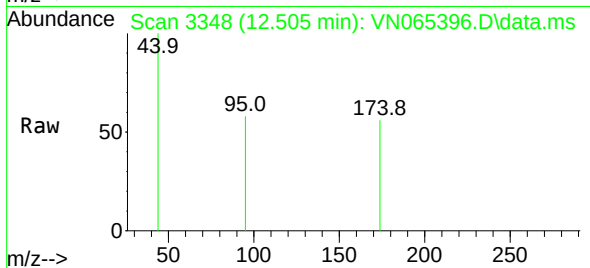




#60
4-Bromofluorobenzene
Concen: 0.06 ug/l
RT: 12.505 min Scan# 3348
Delta R.T. 0.129 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

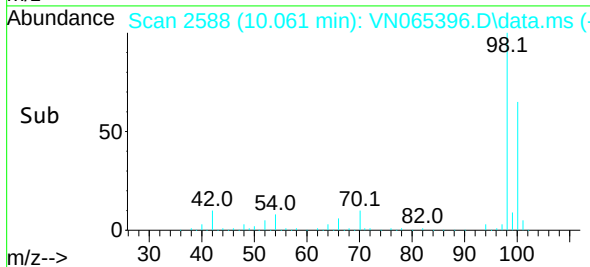
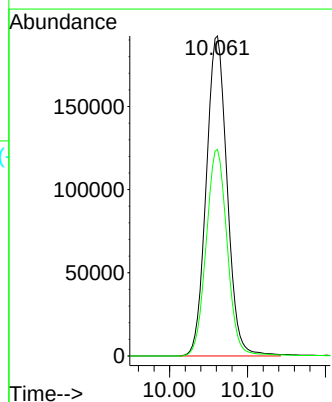
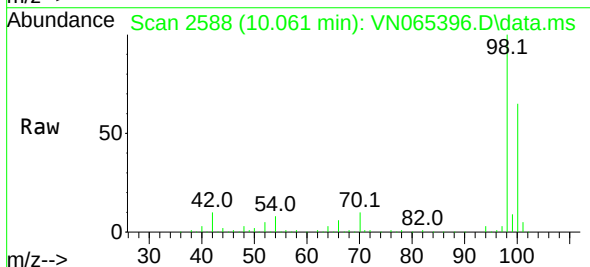
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ClientSampleId :
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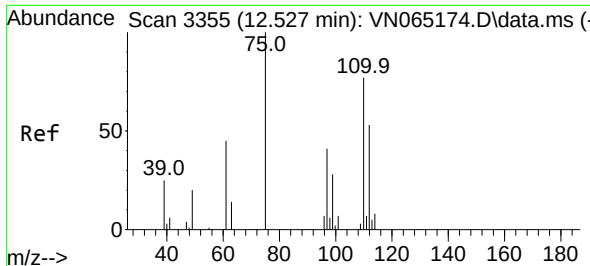
Tgt Ion: 95 Resp: 254
Ion Ratio Lower Upper
95 100
174 61.0 56.4 84.6
176 55.5 53.3 79.9



#63
Toluene-d8
Concen: 30.32 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

Tgt Ion: 98 Resp: 358674
Ion Ratio Lower Upper
98 100
100 64.9 49.4 74.2

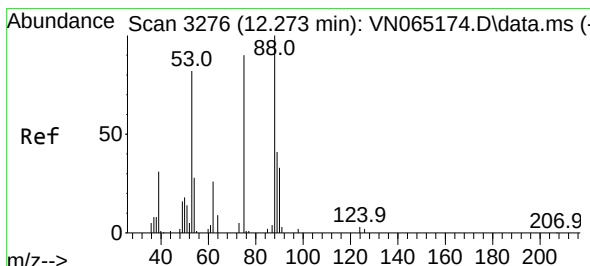
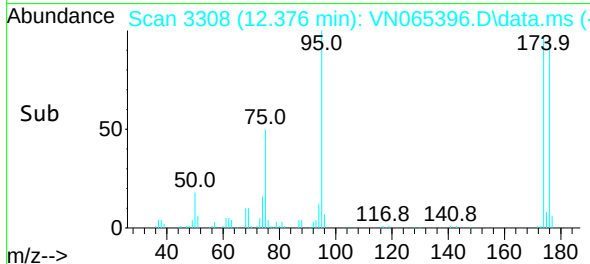
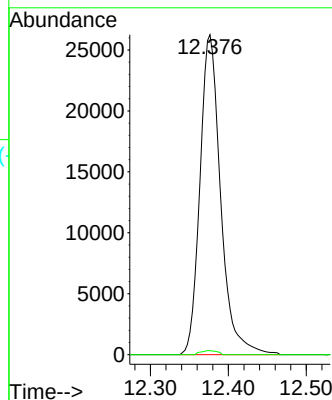
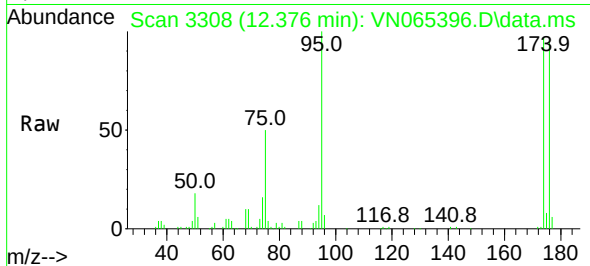




#72
1,2,3-Trichloropropane
Concen: 11.42 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

Instrument :
MSVOA_N
ClientSampled :
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Tgt Ion: 75 Resp: 48472
Ion Ratio Lower Upper
75 100
77 1.0 0.0 379.4



#77
t-1,4-Dichloro-2-butene
Concen: 29.05 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065396.D
Acq: 6 Jan 2021 13:23

Tgt Ion: 75 Resp: 48448
Ion Ratio Lower Upper
75 100
53 0.0 50.3 150.9#
89 0.0 23.3 69.8#

