

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021021\
 Data File : VN065800.D
 Acq On : 10 Feb 2021 16:57
 Operator : JC/MD
 Sample : VN0210WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VN0210WBL02

Quant Time: Feb 11 01:33:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

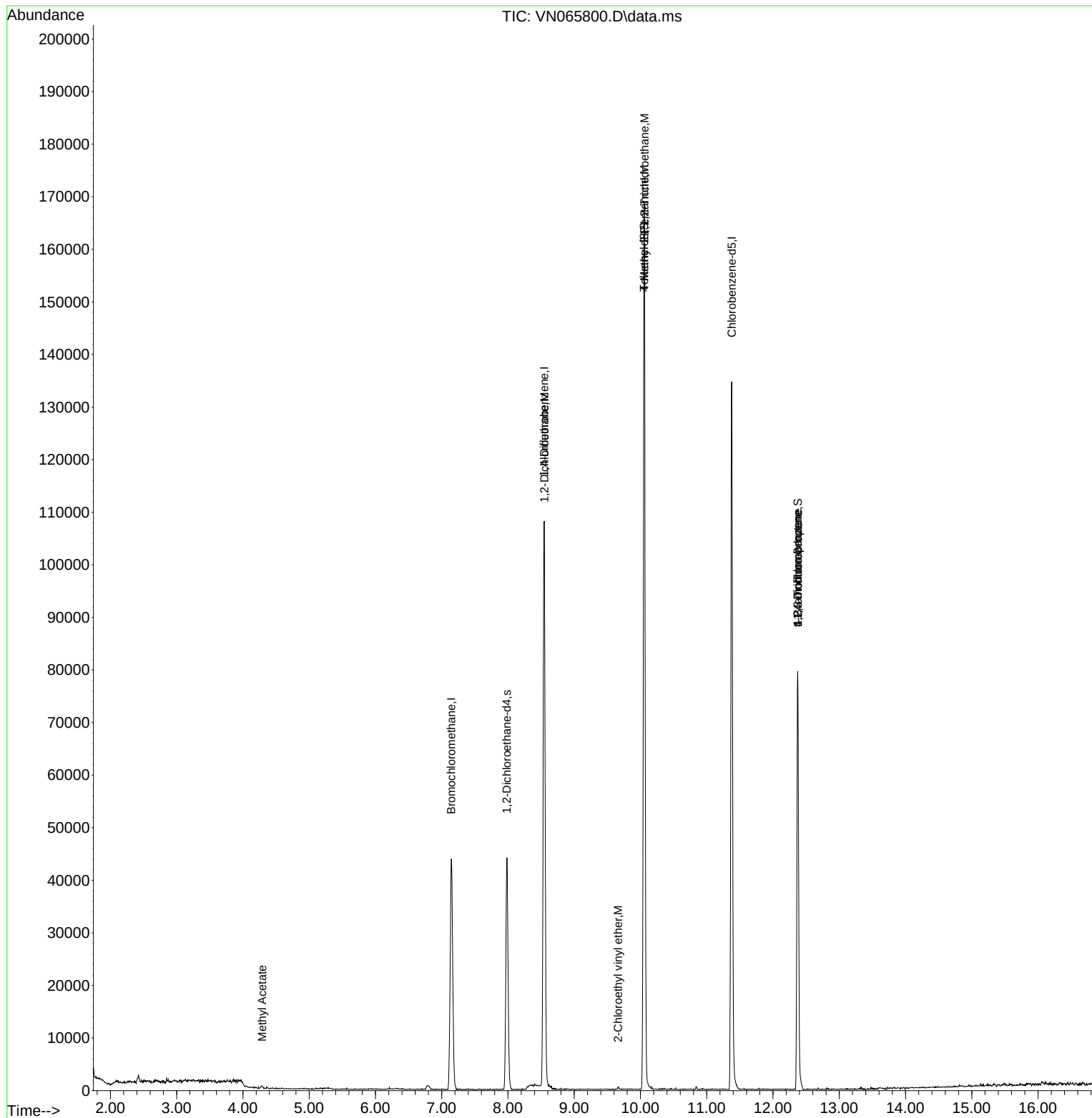
Internal Standards						
1) Bromochloromethane	7.145	128	18810	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	103847	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	86733	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	37184	28.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.00%
60) 4-Bromofluorobenzene	12.373	95	34262	24.28	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.93%
63) Toluene-d8	10.055	98	125669	30.14	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.47%
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.290	43	394	0.30	ug/l #	50
36) 1,2-Dichloroethane	8.550	62	3029	1.95	ug/l #	74
50) 1,1,2-Trichloroethane	10.061	97	4282	3.67	ug/l #	1
55) 2-Chloroethyl vinyl ether	9.663	63	172	0.21	ug/l #	44
58) 4-Methyl-2-Pentanone	10.058	43	399	0.28	ug/l #	1
72) 1,2,3-Trichloropropane	12.373	75	15125	10.41	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.373	75	15125	26.66	ug/l #	14

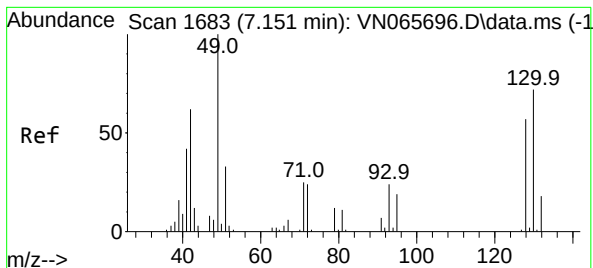
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 03 14:50:04 2021
Response via : Initial Calibration

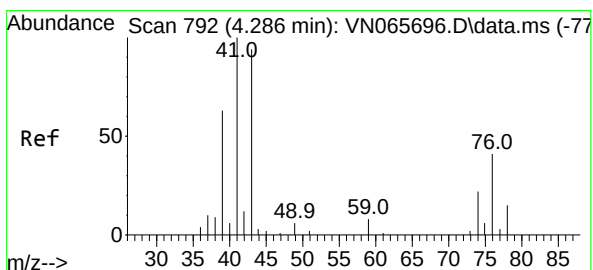
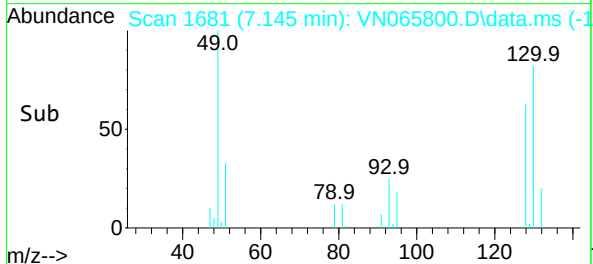
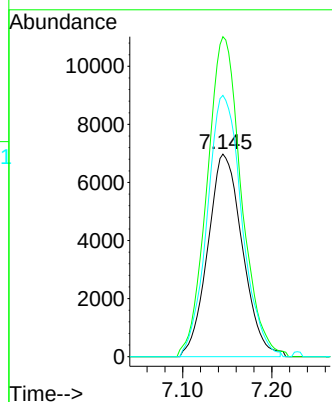
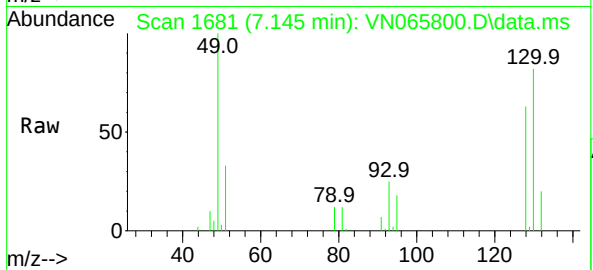




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.145 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

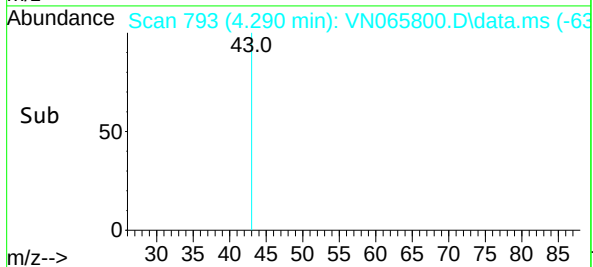
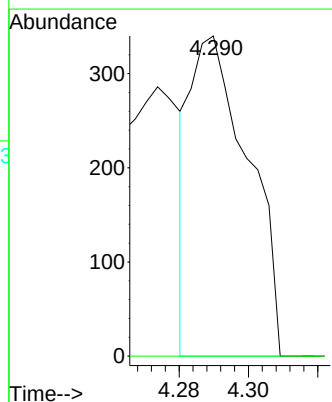
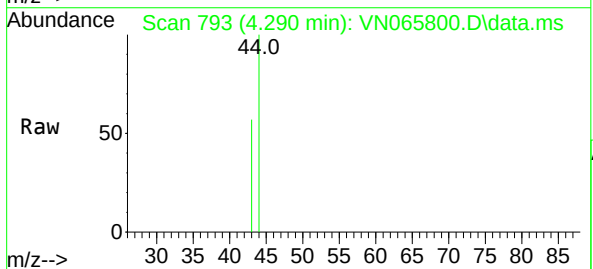
Instrument :
MSVOA_D
ClientSampleId :
VN0210WBL02

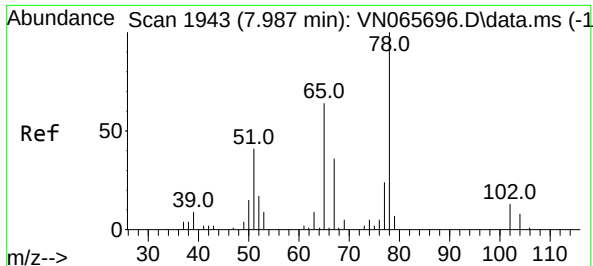
Tgt Ion:128 Resp: 18810
Ion Ratio Lower Upper
128 100
49 156.7 0.0 355.0
130 129.6 0.0 325.5



#12
Methyl Acetate
Concen: 0.30 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.003 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



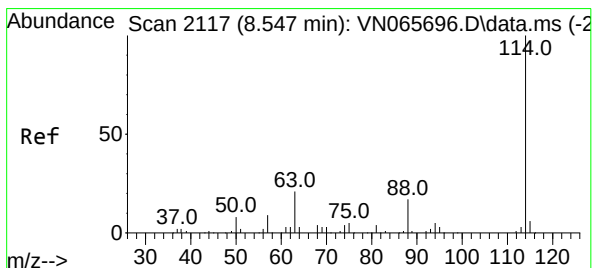
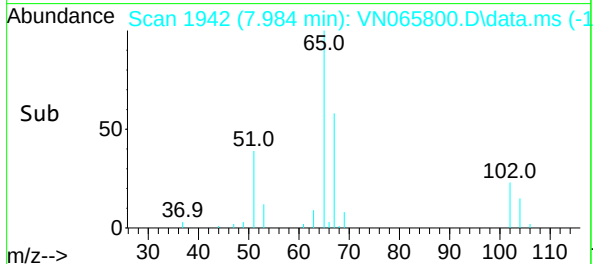
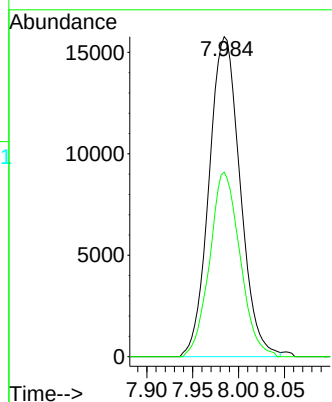
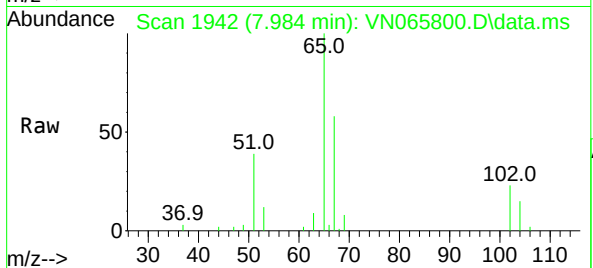


#27

1,2-Dichloroethane-d4
Concen: 28.50 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

Instrument :
MSVOA_D
ClientSampleId :
VN0210WBL02

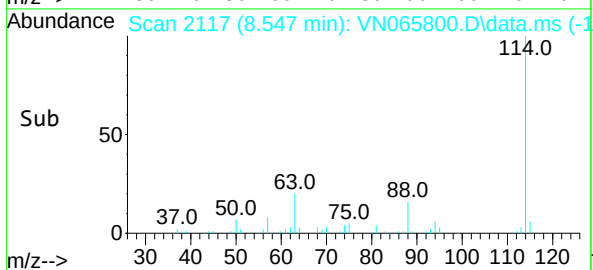
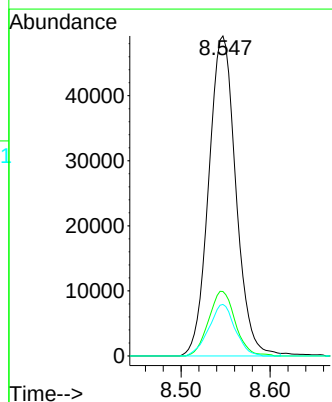
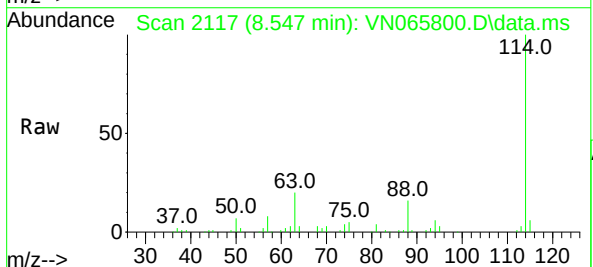
Tgt Ion: 65 Resp: 37184
Ion Ratio Lower Upper
65 100
67 56.2 42.8 64.2

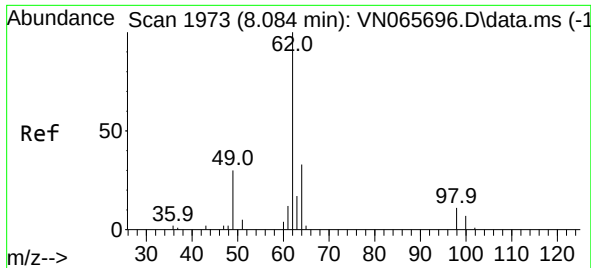


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

Tgt Ion: 114 Resp: 103847
Ion Ratio Lower Upper
114 100
63 19.9 14.7 22.1
88 15.6 11.7 17.5

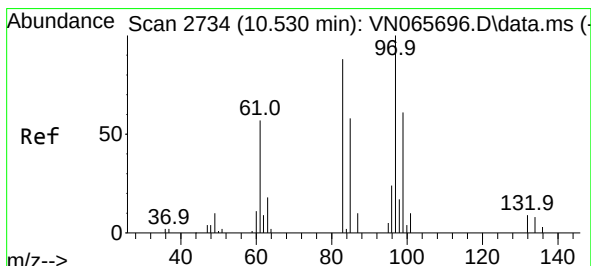
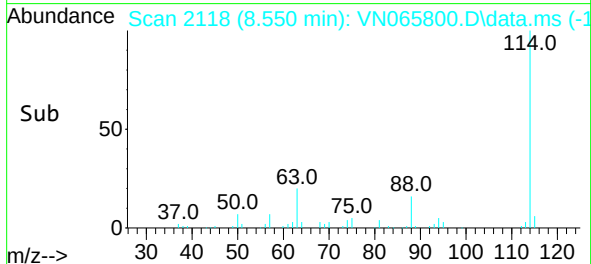
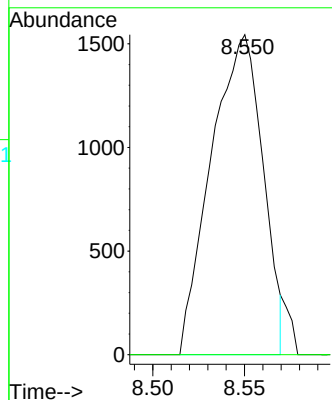
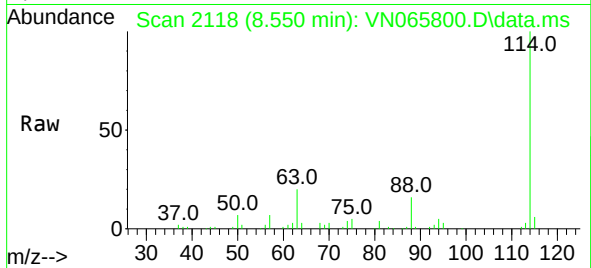




#36
 1,2-Dichloroethane
 Concen: 1.95 ug/l
 RT: 8.550 min Scan# 2118
 Delta R.T. 0.466 min
 Lab File: VN065800.D
 Acq: 10 Feb 2021 16:57

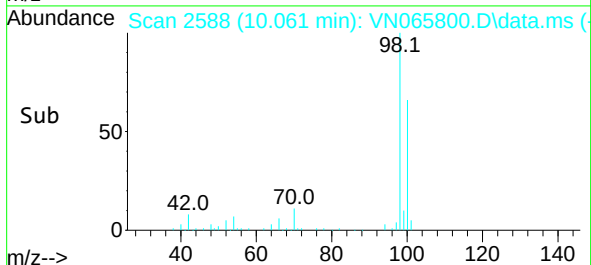
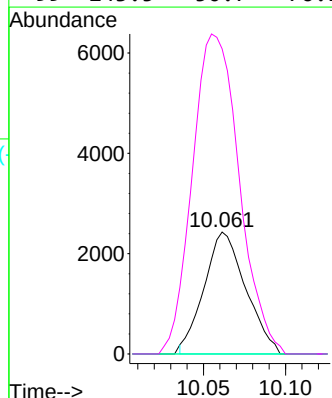
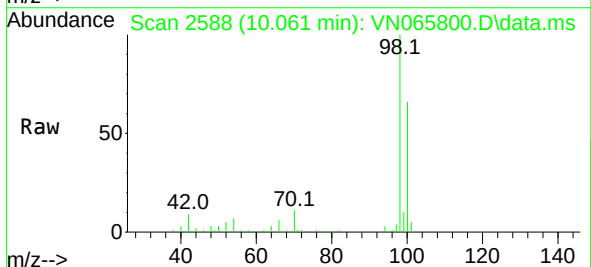
Instrument :
 MSVOA_D
 ClientSampleId :
 VN0210WBL02

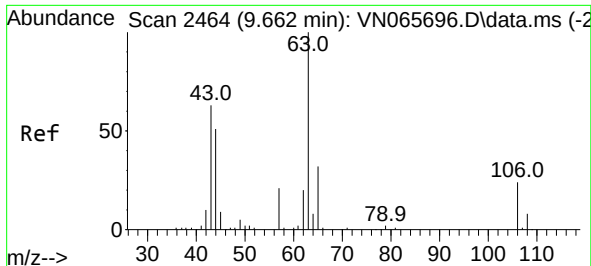
Tgt Ion: 62 Resp: 3029
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.2#



#50
 1,1,2-Trichloroethane
 Concen: 3.67 ug/l
 RT: 10.061 min Scan# 2588
 Delta R.T. -0.469 min
 Lab File: VN065800.D
 Acq: 10 Feb 2021 16:57

Tgt Ion: 97 Resp: 4282
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.4 102.6#
 85 0.0 42.8 64.2#
 99 243.5 50.7 76.1#

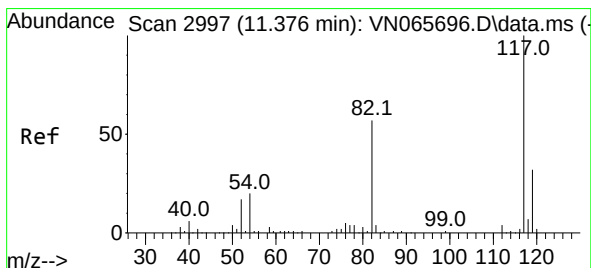
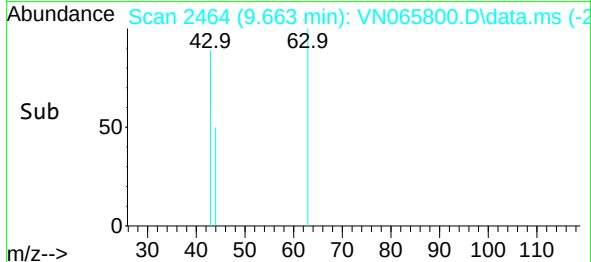
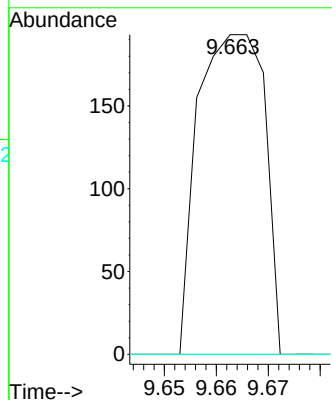
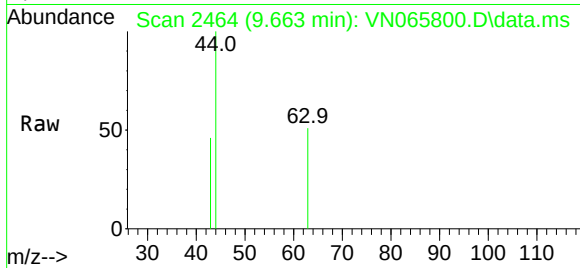




#55
2-Chloroethyl vinyl ether
Concen: 0.21 ug/l
RT: 9.663 min Scan# 2464
Delta R.T. 0.000 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

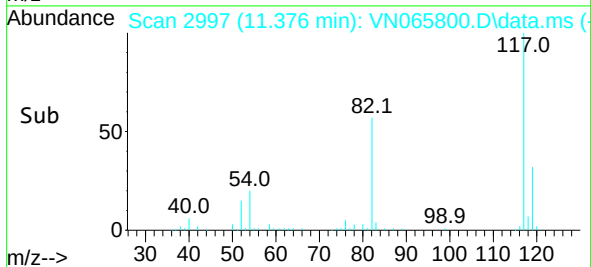
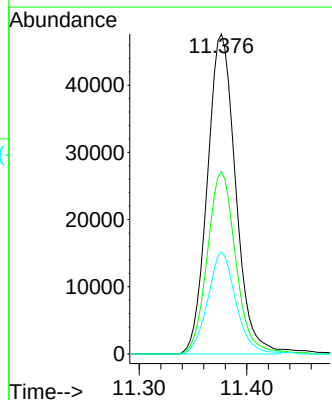
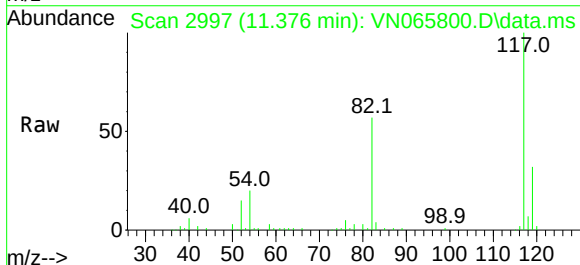
Instrument :
MSVOA_D
ClientSampleId :
VN0210WBL02

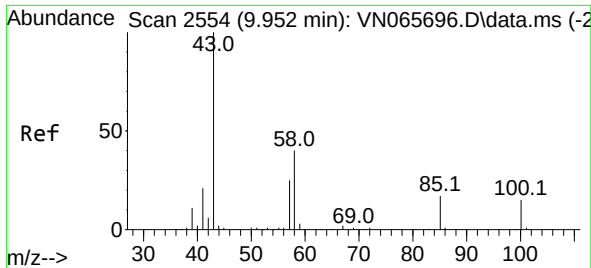
Tgt Ion:	63	Resp:	172
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.7	38.5#
106	0.0	23.1	34.7#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

Tgt Ion:	117	Resp:	86733
Ion	Ratio	Lower	Upper
117	100		
82	57.4	41.3	61.9
119	31.7	25.7	38.5

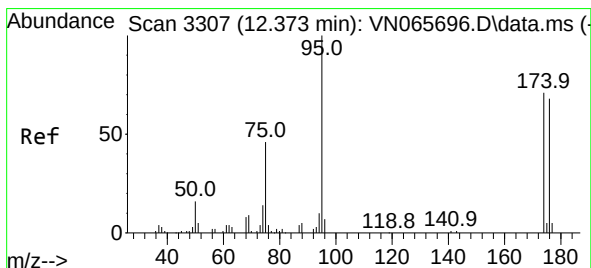
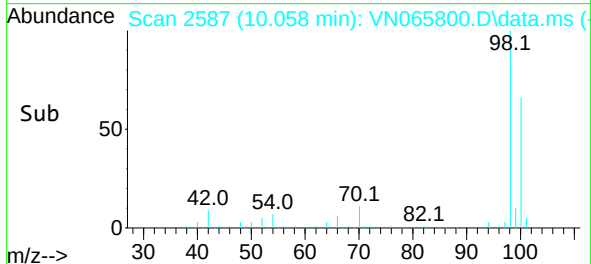
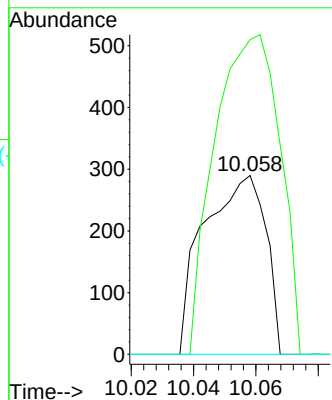
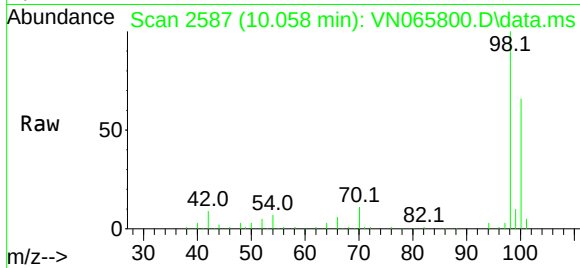




#58
4-Methyl-2-Pentanone
Concen: 0.28 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.106 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

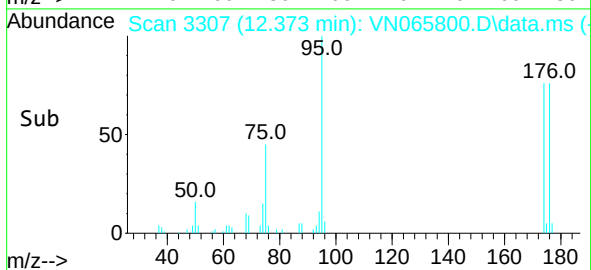
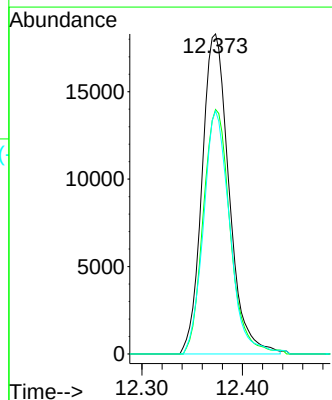
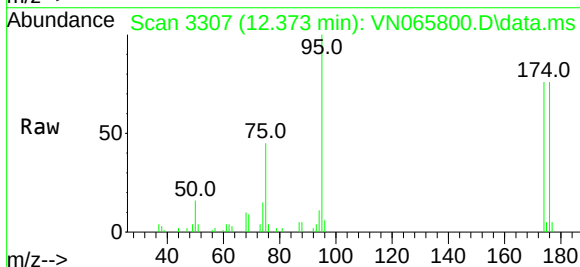
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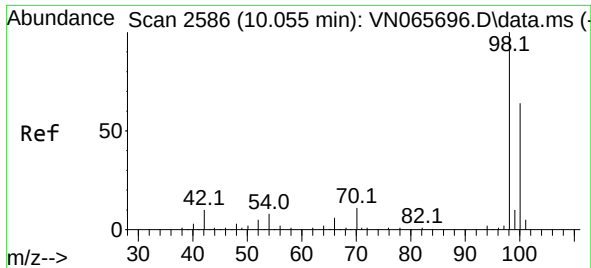
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
58 188.7 32.7 49.1#
85 0.0 16.0 24.0#



#60
4-Bromofluorobenzene
Concen: 24.28 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

Tgt Ion: 95 Resp: 34262
Ion Ratio Lower Upper
95 100
174 75.8 77.0 115.6#
176 73.6 75.8 113.6#

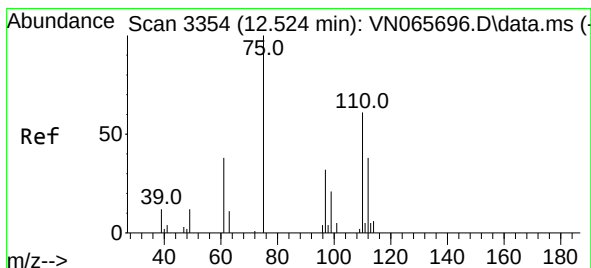
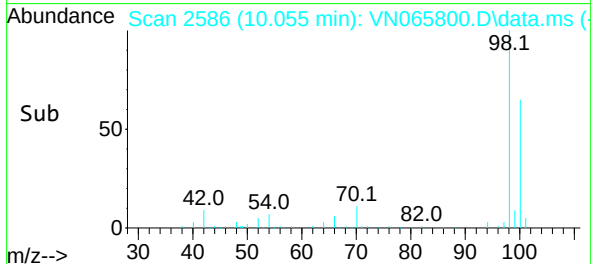
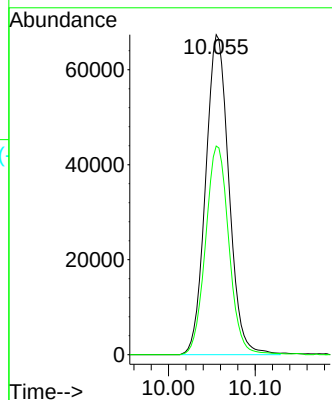
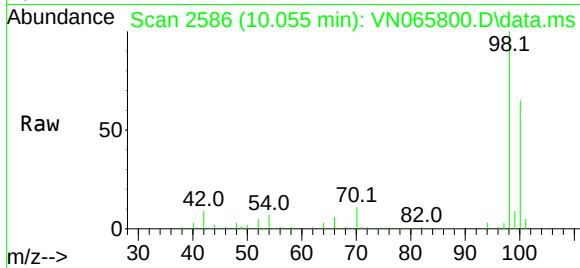




#63
Toluene-d8
Concen: 30.14 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. 0.000 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

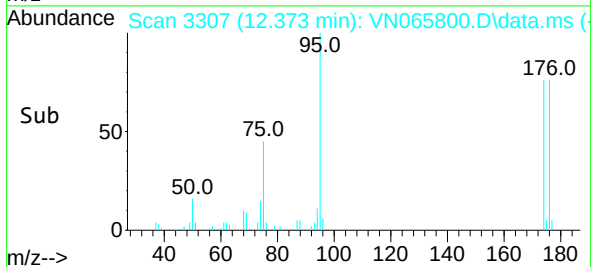
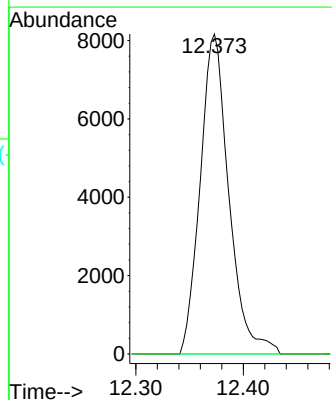
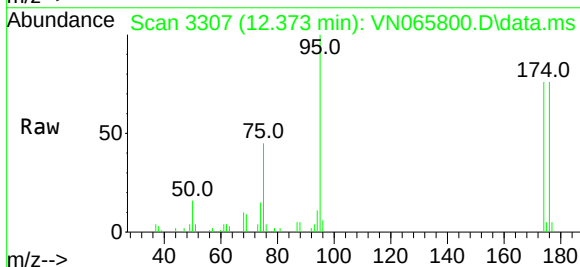
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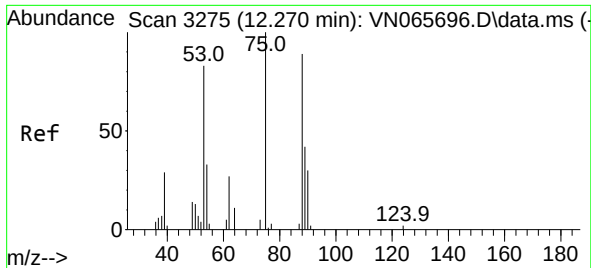
Tgt Ion: 98 Resp: 125669
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#72
1,2,3-Trichloropropane
Concen: 10.41 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

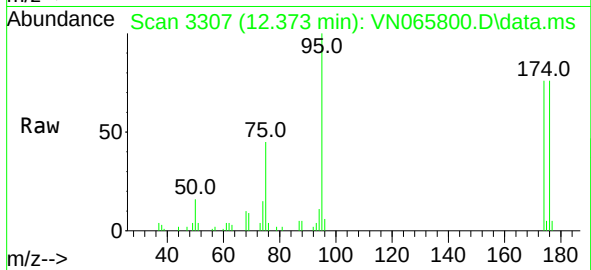
Tgt Ion: 75 Resp: 15125
Ion Ratio Lower Upper
75 100
77 0.0 0.0 366.4





#77
t-1,4-Dichloro-2-butene
Concen: 26.66 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065800.D
Acq: 10 Feb 2021 16:57

Instrument :
MSVOA_D
ClientSampleId :
VN0210WBL02



Tgt Ion:	75	Resp:	15125
Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.9	134.5#
89	0.0	21.3	64.0#

