

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100521\
 Data File : VN068807.D
 Acq On : 5 Oct 2021 16:28
 Operator : JC/MD
 Sample : M4049-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Oct 06 01:34:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

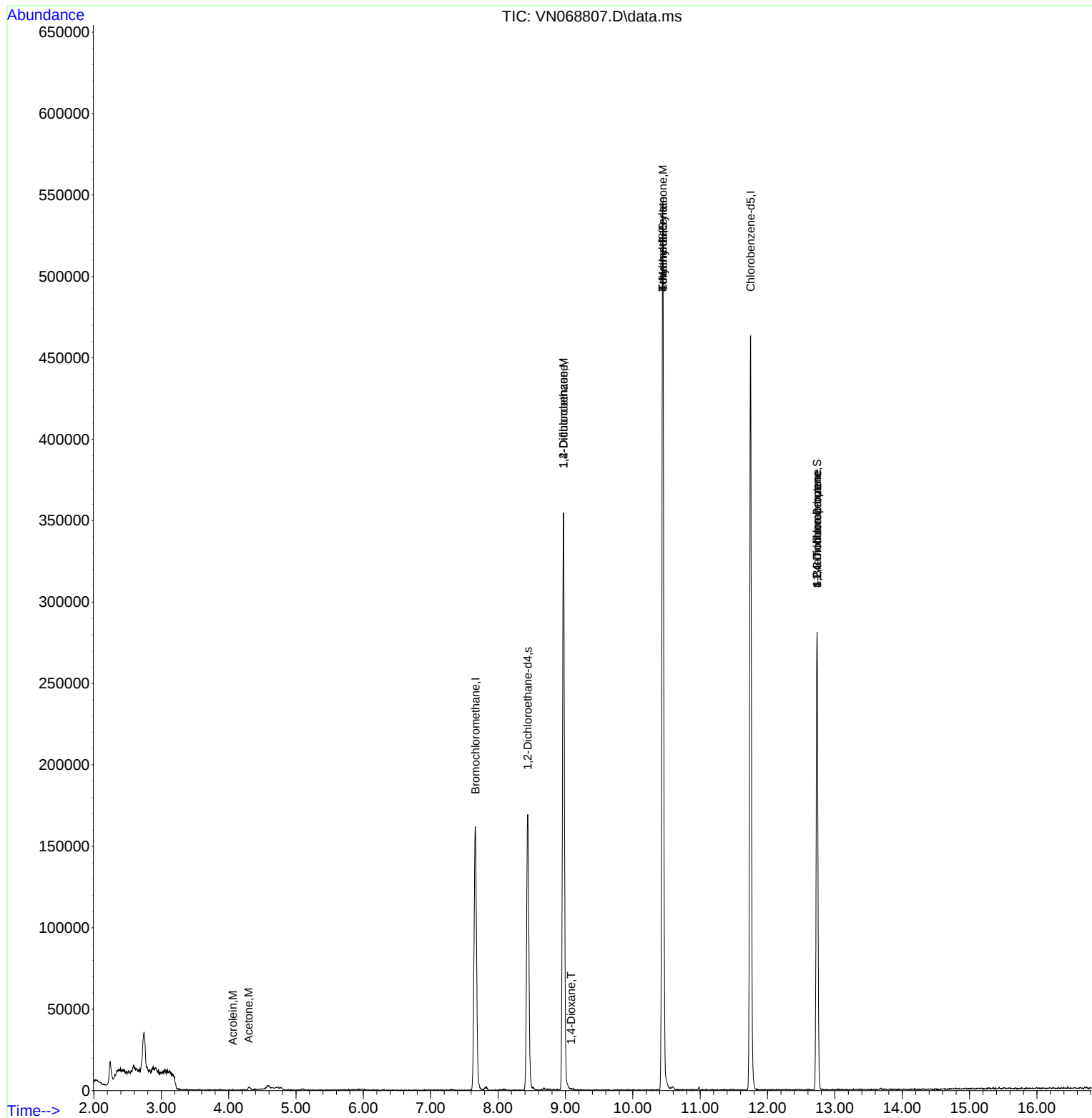
Internal Standards						
1) Bromochloromethane	7.667	128	57944	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	301136	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	259250	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	142711	31.952	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.500%
60) 4-Bromofluorobenzene	12.736	95	90273	22.289	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.300%
63) Toluene-d8	10.446	98	376427	32.124	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.067%
Target Compounds						
					Qvalue	
13) Acrolein	4.063	56	63	0.304	ug/l	89
15) Acetone	4.296	58	346	0.788	ug/l #	1
36) 1,2-Dichloroethane	8.971	62	12955	2.439	ug/l #	77
45) 1,4-Dioxane	9.083	88	86	1.365	ug/l #	28
51) Ethyl methacrylate	10.443	69	1558	0.269	ug/l	85
58) 4-Methyl-2-Pentanone	10.448	43	1679	0.384	ug/l #	1
72) 1,2,3-Trichloropropane	12.736	75	53311	13.265	ug/l	1
77) t-1,4-Dichloro-2-butene	12.736	75	53311	34.009	ug/l #	8

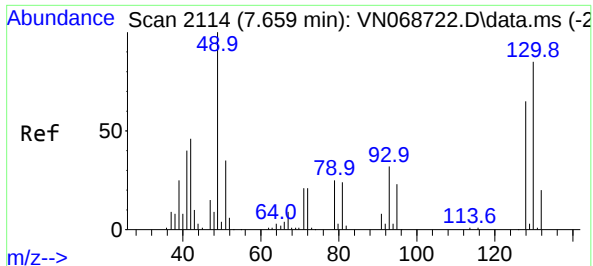
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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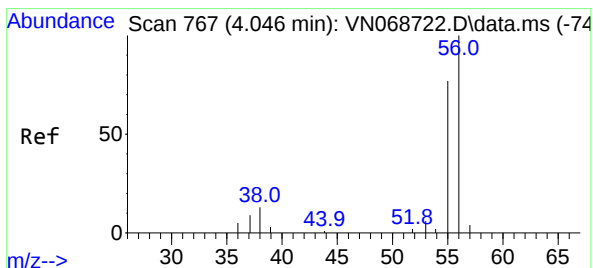
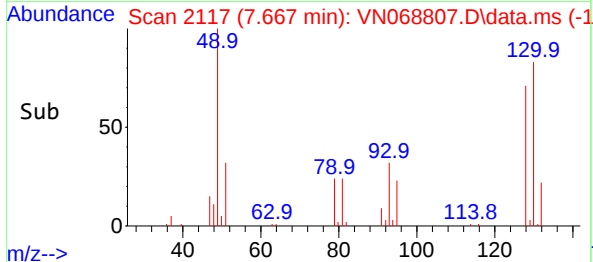
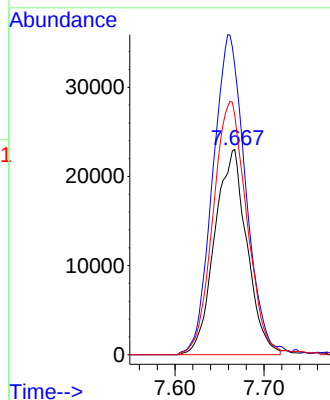
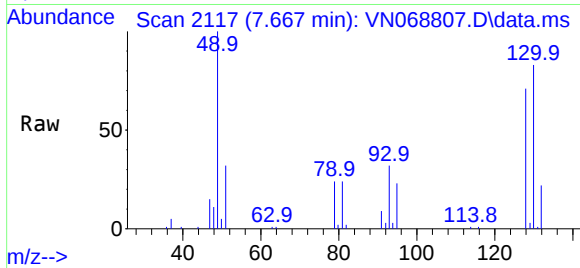




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.667 min Scan# 2117
Delta R.T. 0.008 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

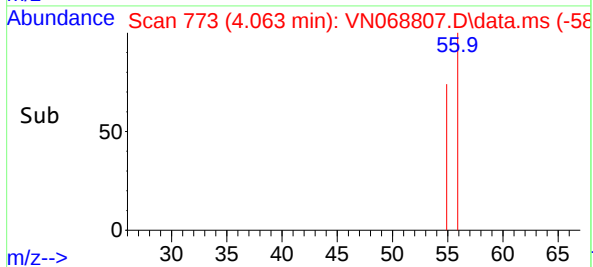
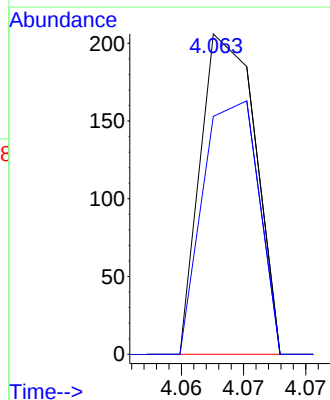
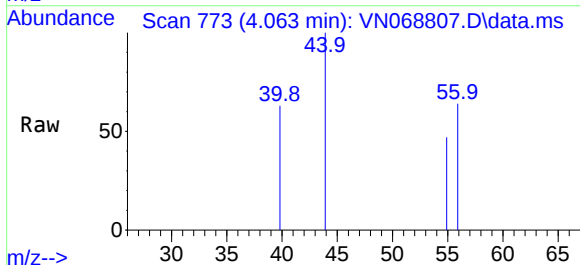
Instrument :
MSVOA_N
ClientSampled :
MW-1

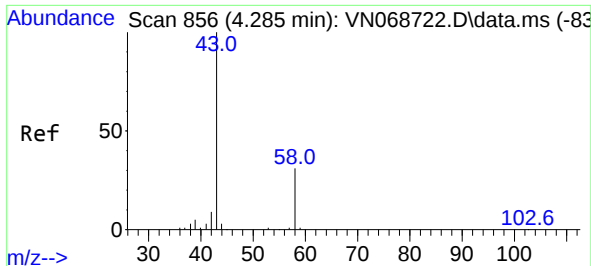
Tgt Ion:128 Resp: 57944
Ion Ratio Lower Upper
128 100
49 157.6 0.0 392.3
130 128.6 0.0 320.2



#13
Acrolein
Concen: 0.304 ug/l
RT: 4.063 min Scan# 773
Delta R.T. 0.017 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 81.0 57.6 86.4

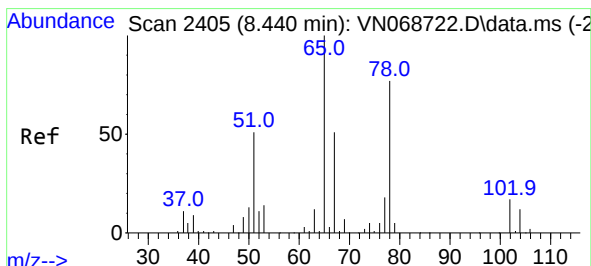
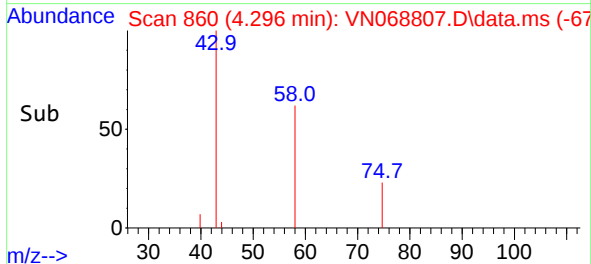
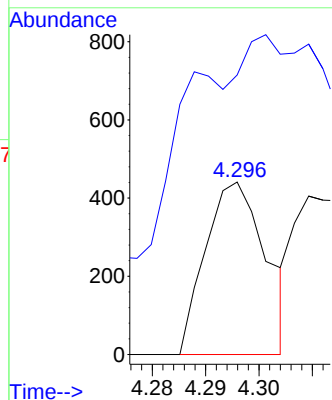
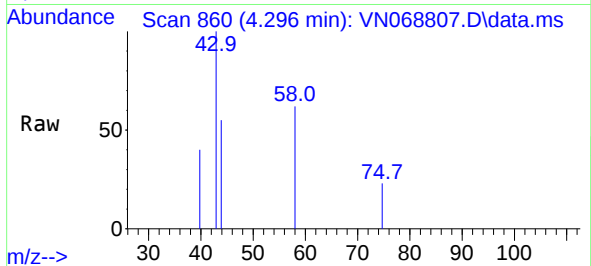




#15
Acetone
Concen: 0.788 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

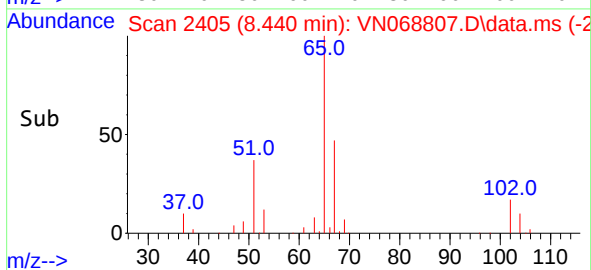
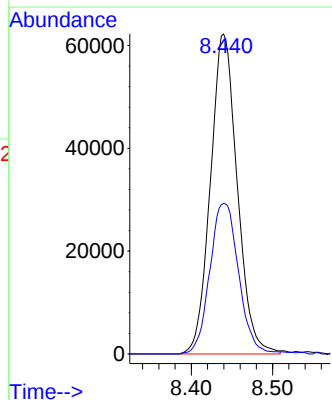
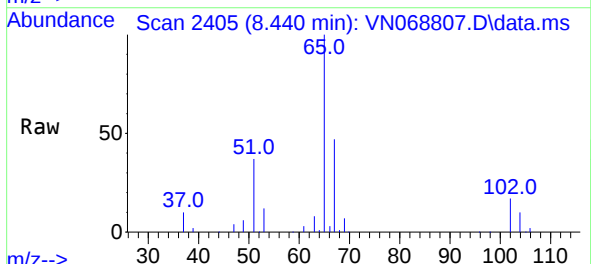
Instrument :
MSVOA_N
ClientSampled :
MW-1

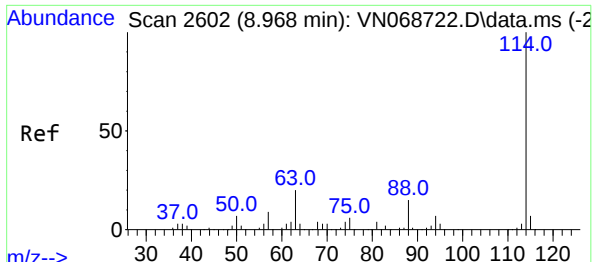
Tgt Ion: 58 Resp: 346
Ion Ratio Lower Upper
58 100
43 17.0 256.6 384.8#



#27
1,2-Dichloroethane-d4
Concen: 31.952 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Tgt Ion: 65 Resp: 142711
Ion Ratio Lower Upper
65 100
67 50.4 40.2 60.2



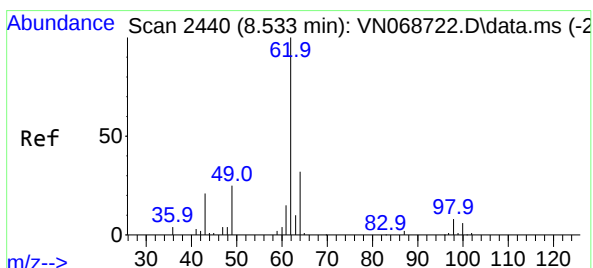
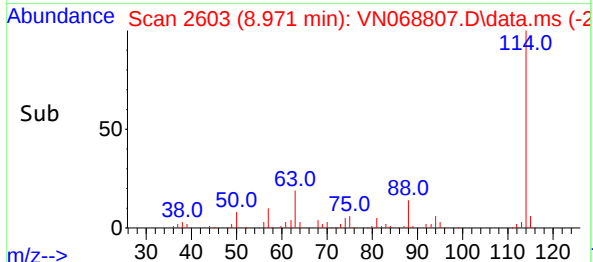
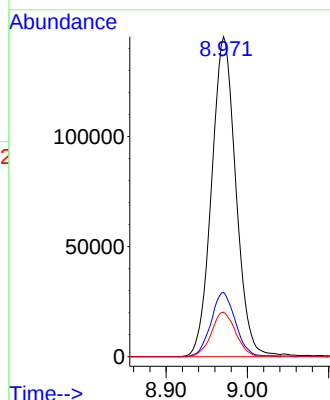
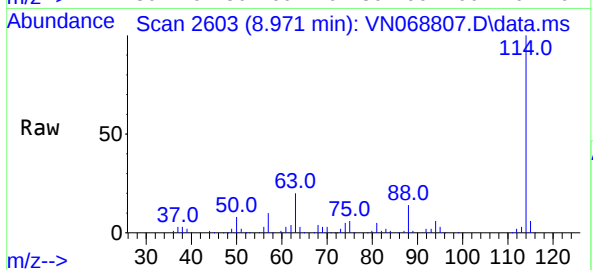


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tgt Ion:114 Resp: 301136

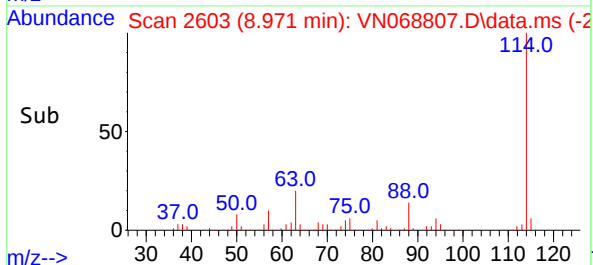
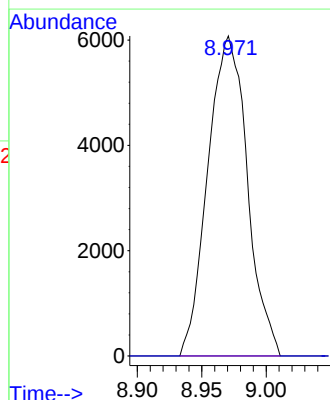
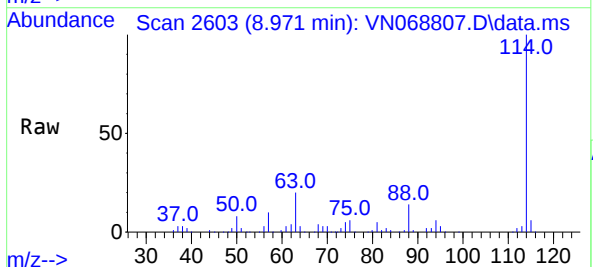
Ion	Ratio	Lower	Upper
114	100		
63	20.2	15.8	23.6
88	14.0	11.6	17.4

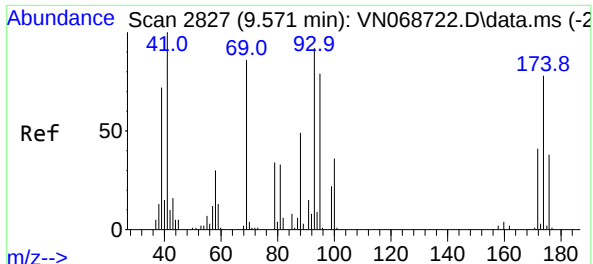


#36
1,2-Dichloroethane
Concen: 2.439 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.438 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Tgt Ion: 62 Resp: 12955

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	10.0#

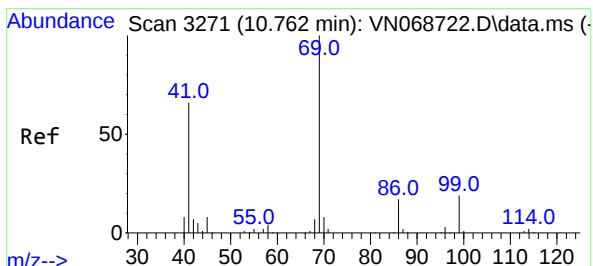
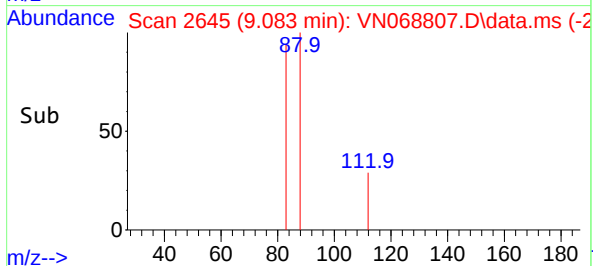
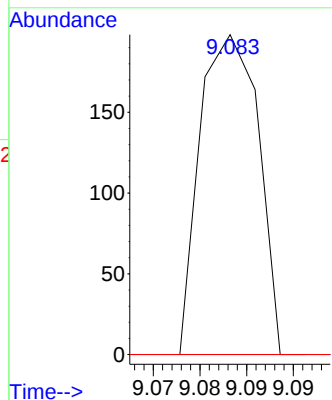
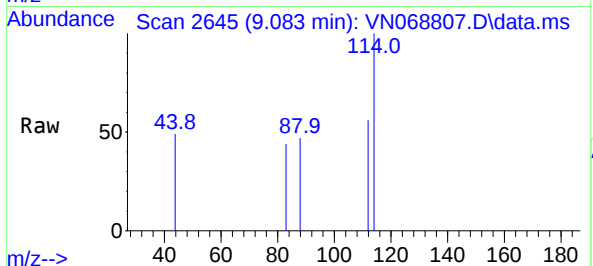




#45
1,4-Dioxane
Concen: 1.365 ug/l
RT: 9.083 min Scan# 2645
Delta R.T. -0.488 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

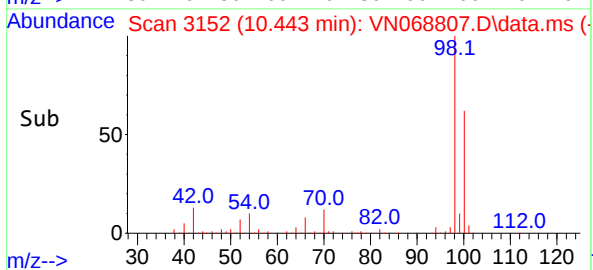
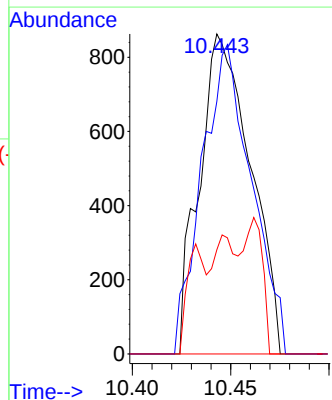
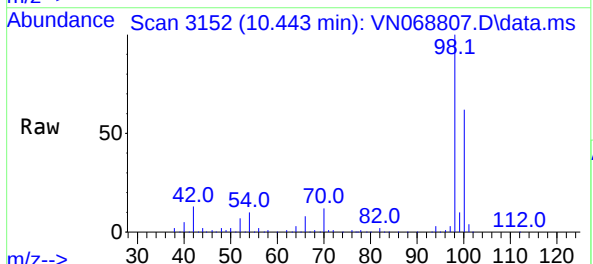
Instrument :
MSVOA_N
ClientSampleId :
MW-1

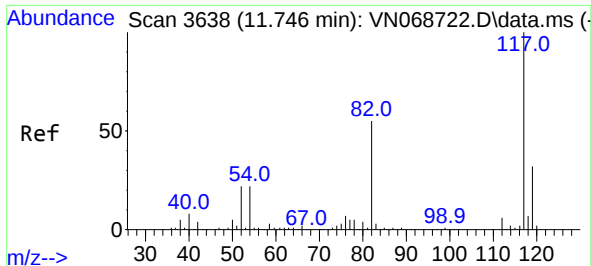
Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 0.0 25.0 37.6#
58 0.0 49.4 74.2#



#51
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.319 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Tgt Ion: 69 Resp: 1558
Ion Ratio Lower Upper
69 100
41 61.3 33.0 98.9
39 32.6 25.4 76.4

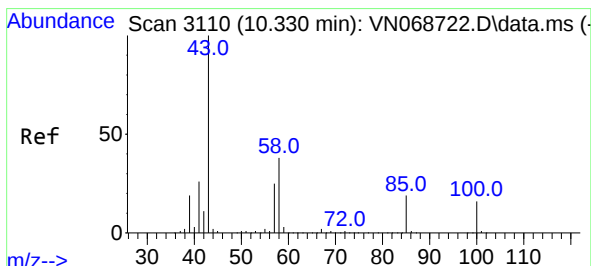
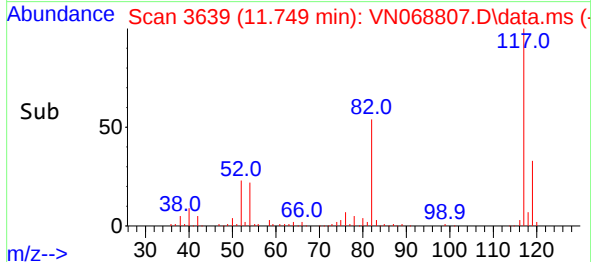
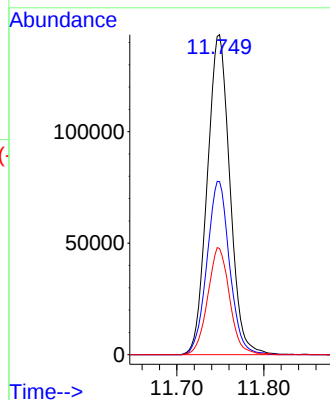
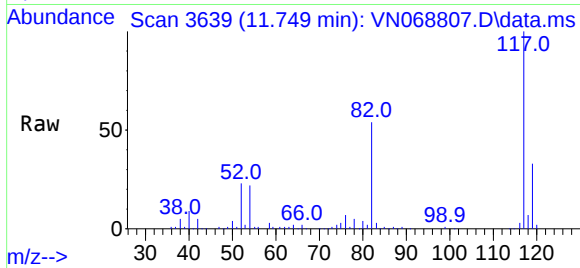




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

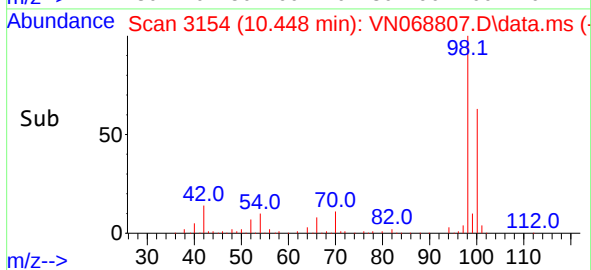
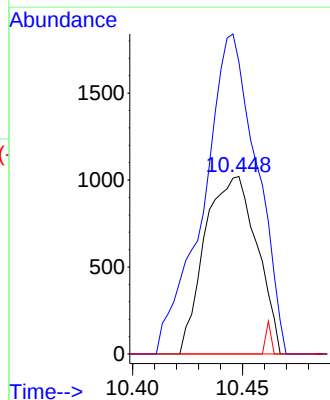
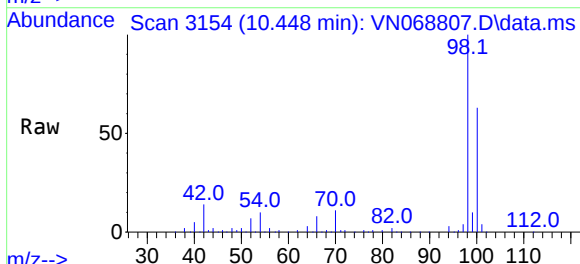
Instrument :
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ClientSampled :
MW-1

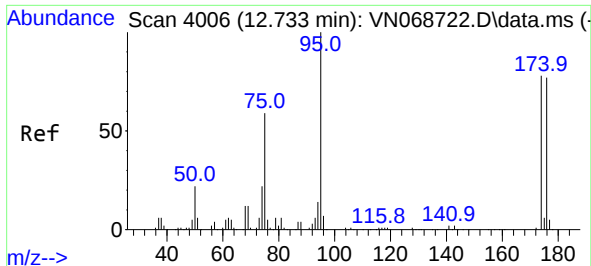
Tgt Ion:117 Resp: 259250
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 32.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.384 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.118 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Tgt Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
58 185.3 30.0 45.0#
85 0.0 15.0 22.6#

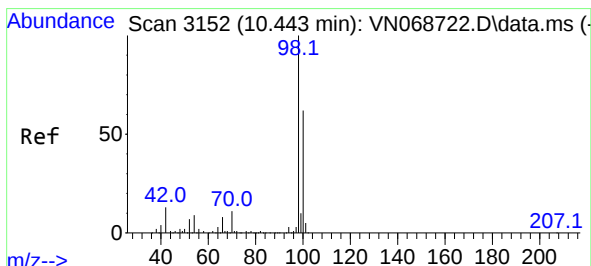
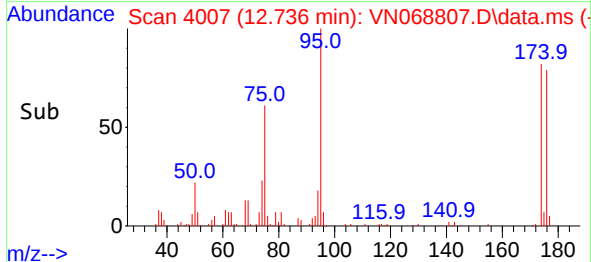
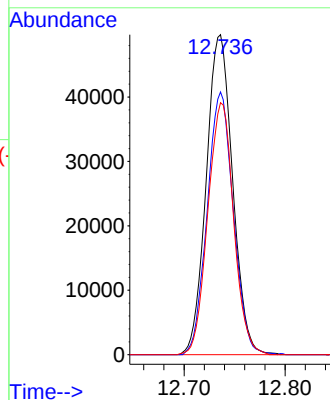
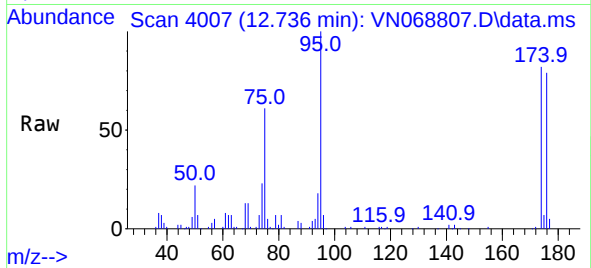




#60
4-Bromofluorobenzene
Concen: 22.289 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

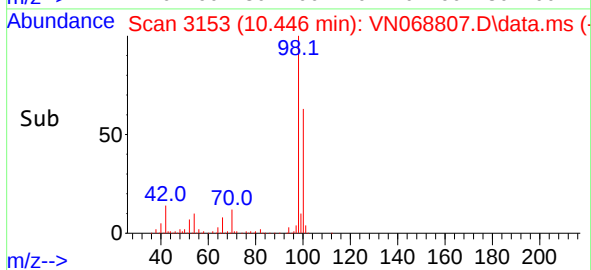
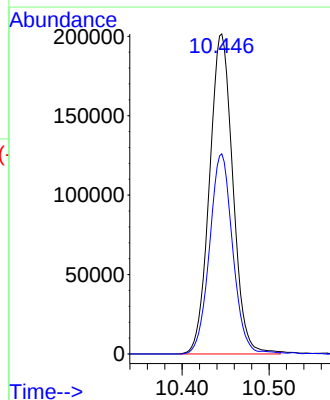
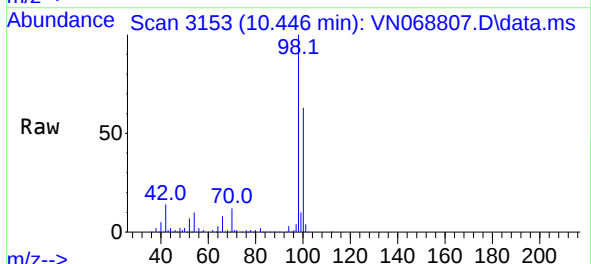
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ClientSampleId :
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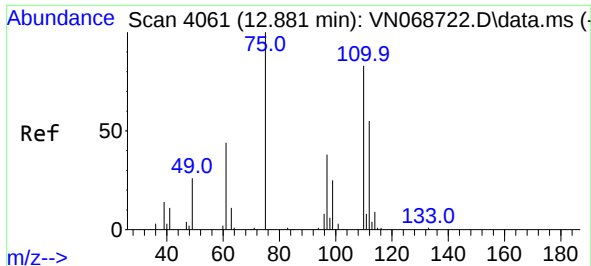
Tgt Ion: 95 Resp: 90273
Ion Ratio Lower Upper
95 100
174 81.3 62.9 94.3
176 77.1 61.0 91.4



#63
Toluene-d8
Concen: 32.124 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Tgt Ion: 98 Resp: 376427
Ion Ratio Lower Upper
98 100
100 61.4 50.6 76.0

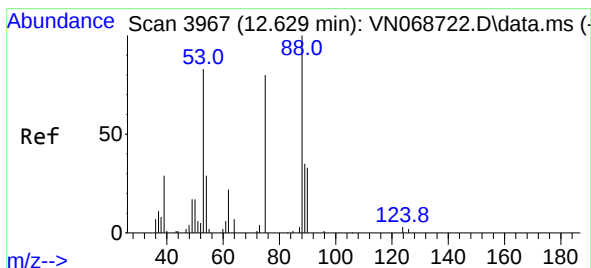
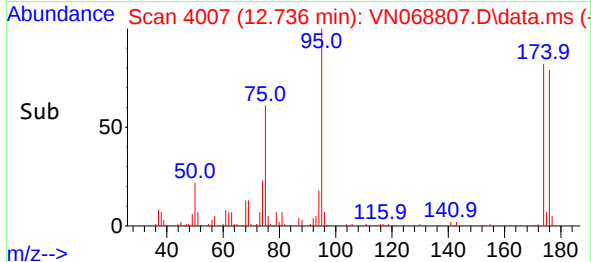
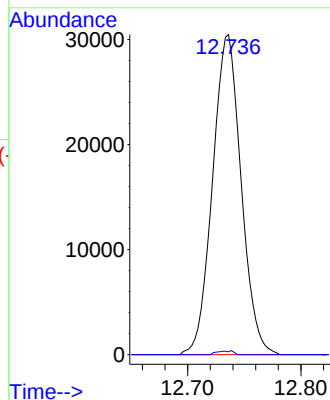
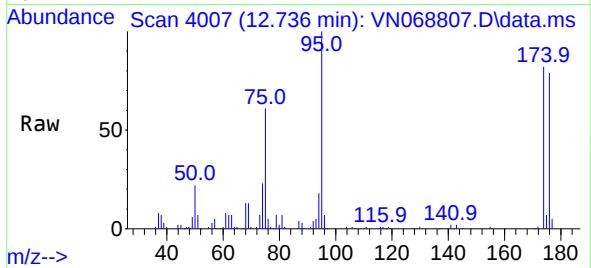




#72
1,2,3-Trichloropropane
Concen: 13.265 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tgt Ion: 75 Resp: 53311
Ion Ratio Lower Upper
75 100
77 0.2 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 34.009 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068807.D
Acq: 5 Oct 2021 16:28

Tgt Ion: 75 Resp: 53311
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

