

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067862.D
 Acq On : 22 Jul 2021 15:03
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 07:13:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

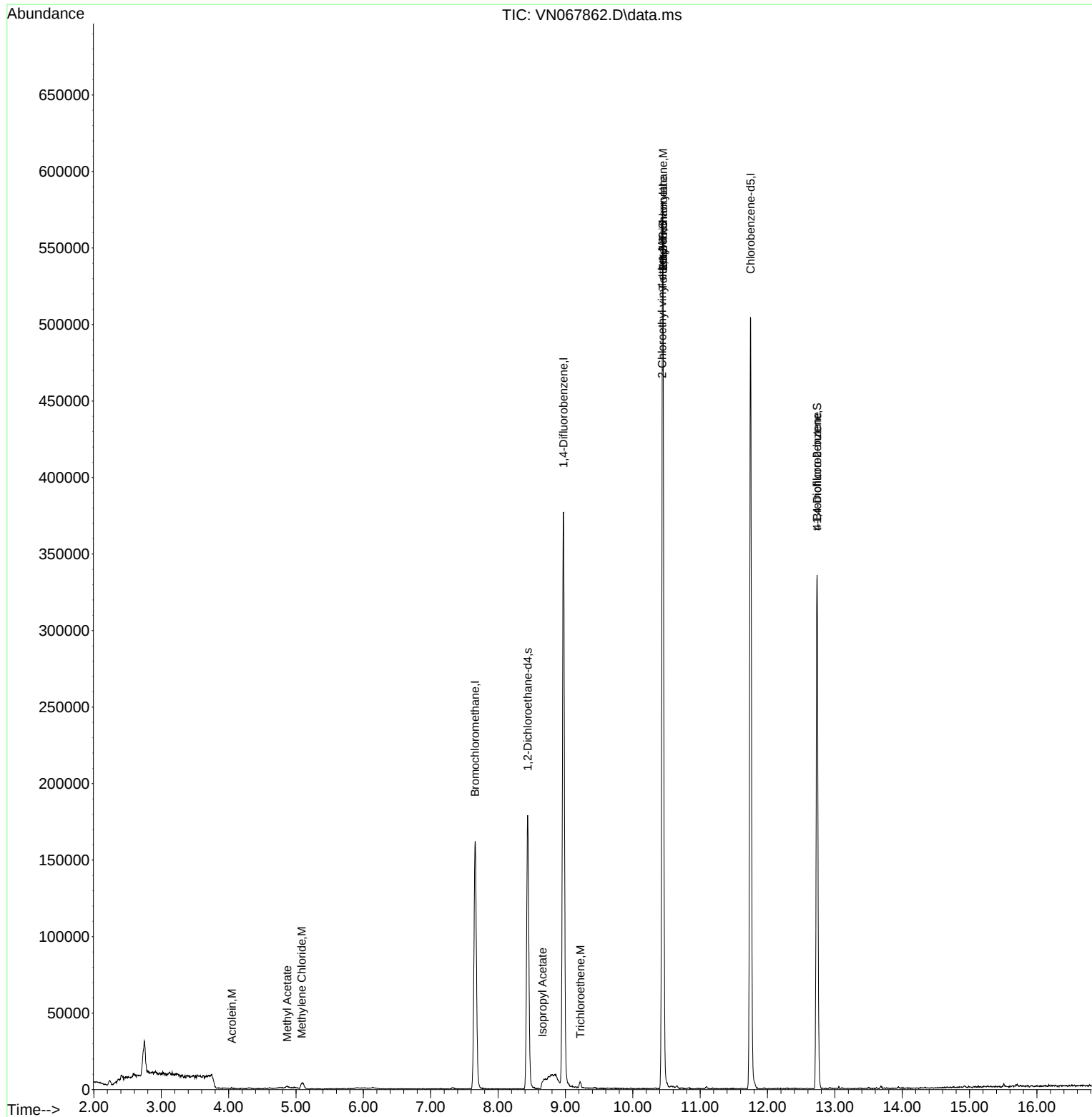
Internal Standards						
1) Bromochloromethane	7.659	128	56466	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	331752	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	294380	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	151269	33.160	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.533%#	
60) 4-Bromofluorobenzene	12.736	95	121826	25.482	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 84.933%	
63) Toluene-d8	10.446	98	409927	30.275	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.933%	
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.870	43	1108	0.296	ug/l #	51
13) Acrolein	4.049	56	204	0.521	ug/l #	45
18) Methylene Chloride	5.085	84	1953	0.515	ug/l #	51
37) Trichloroethene	9.223	130	1608	0.398	ug/l #	62
44) Isopropyl Acetate	8.660	43	2303	0.260	ug/l #	50
50) 1,1,2-Trichloroethane	10.451	97	14836	3.644	ug/l #	1
51) Ethyl methacrylate	10.451	69	1606	0.254	ug/l	91
55) 2-Chloroethyl vinyl ether	10.435	63	291	0.238	ug/l #	45
77) t-1,4-Dichloro-2-butene	12.736	75	68654	46.294	ug/l #	4

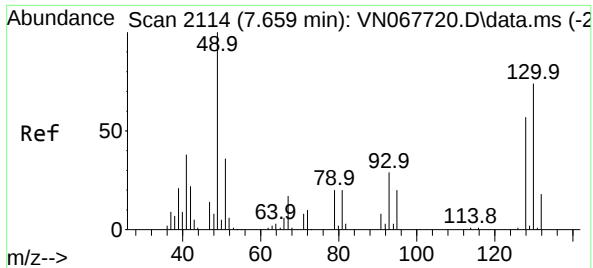
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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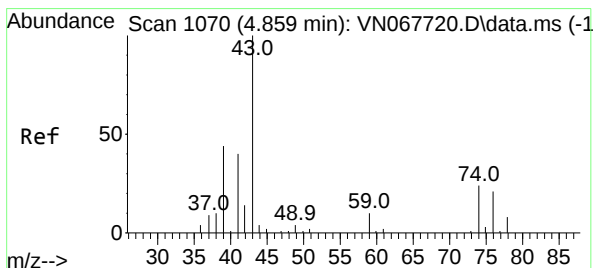
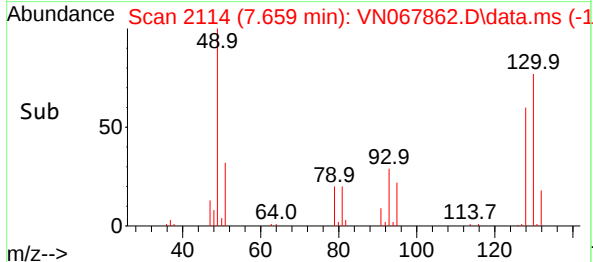
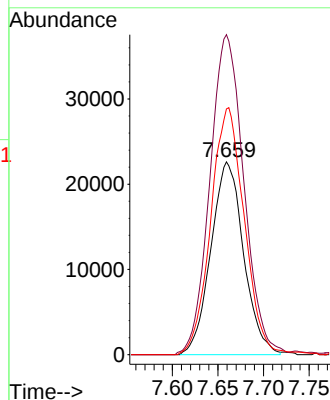
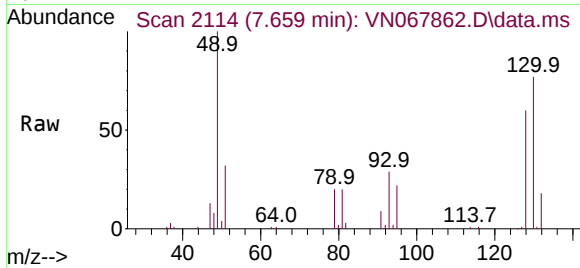




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.659 min Scan# 2114
 Delta R.T. 0.000 min
 Lab File: VN067862.D
 Acq: 22 Jul 2021 15:03

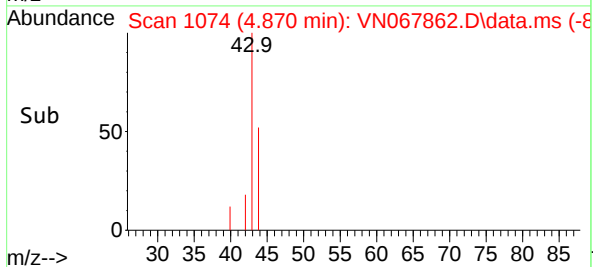
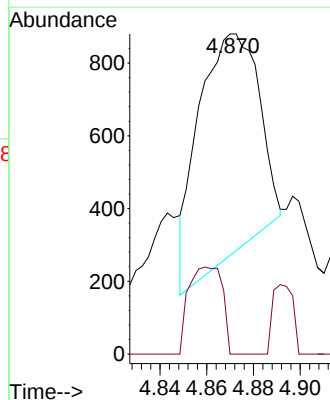
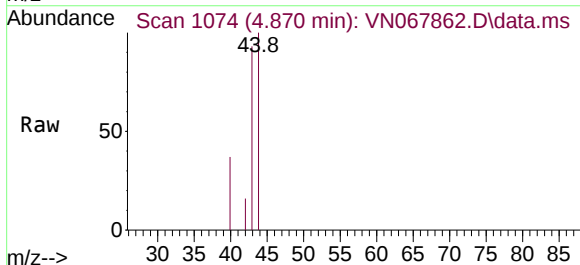
Instrument :
 MSVOA_N
 ClientSampled :

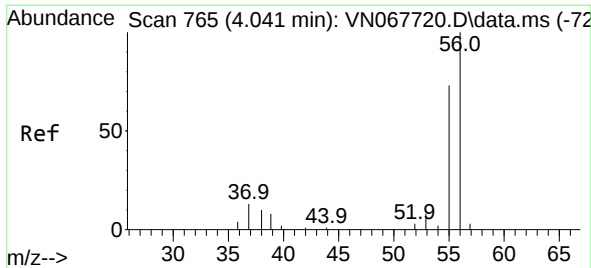
Tgt Ion:	128	Resp:	56466
Ion Ratio	Lower	Upper	
128	100		
49	171.8	0.0	433.0
130	131.4	0.0	323.8



#12
 Methyl Acetate
 Concen: 0.296 ug/l
 RT: 4.870 min Scan# 1074
 Delta R.T. 0.011 min
 Lab File: VN067862.D
 Acq: 22 Jul 2021 15:03

Tgt Ion:	43	Resp:	1108
Ion Ratio	Lower	Upper	
43	100		
74	0.0	19.8	29.6#

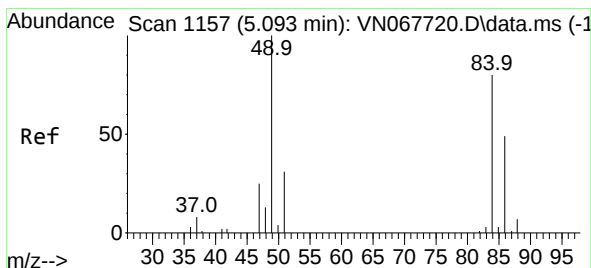
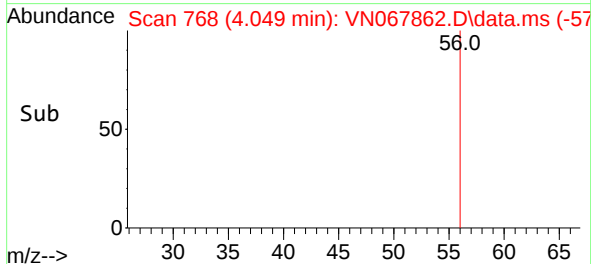
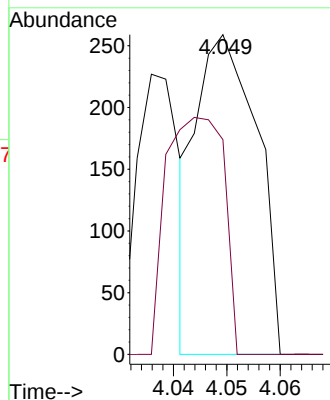
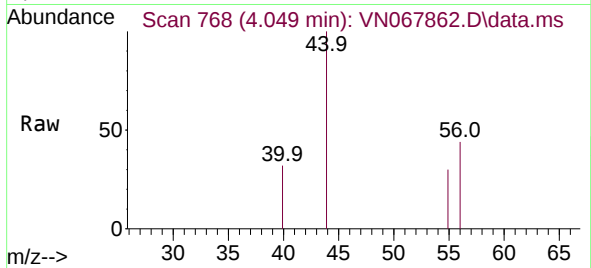




#13
Acrolein
Concen: 0.521 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

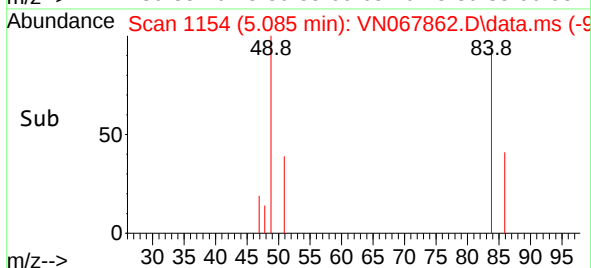
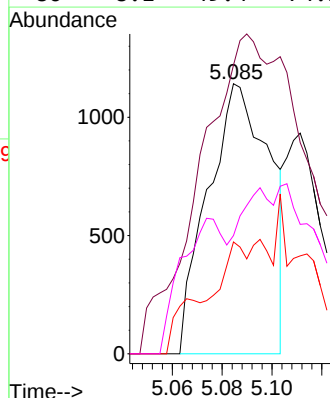
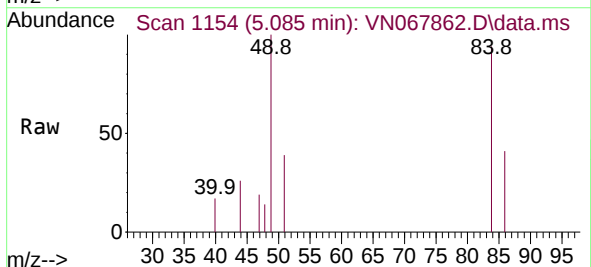
Instrument :
MSVOA_N
ClientSampled :

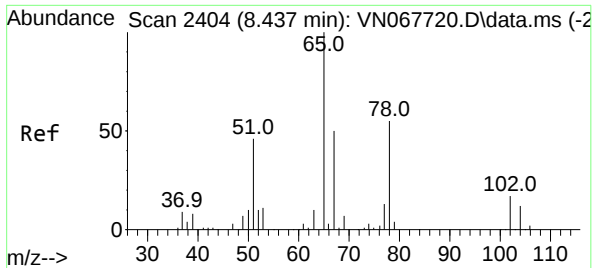
Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 71.1 0.2 0.2#



#18
Methylene Chloride
Concen: 0.515 ug/l
RT: 5.085 min Scan# 1154
Delta R.T. -0.008 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

Tgt Ion: 84 Resp: 1953
Ion Ratio Lower Upper
84 100
49 73.4 100.5 150.7#
51 23.8 30.7 46.1#
86 8.1 49.4 74.2#



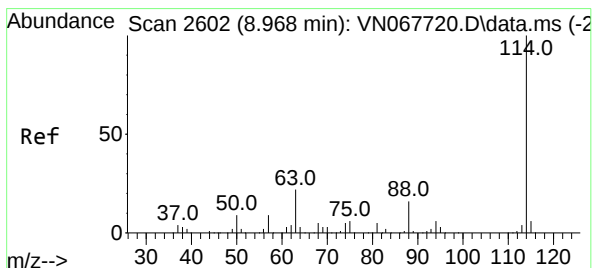
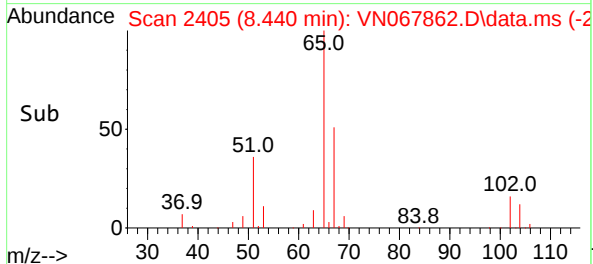
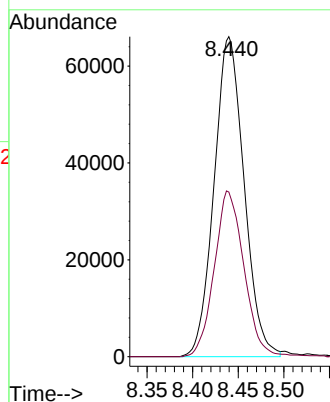
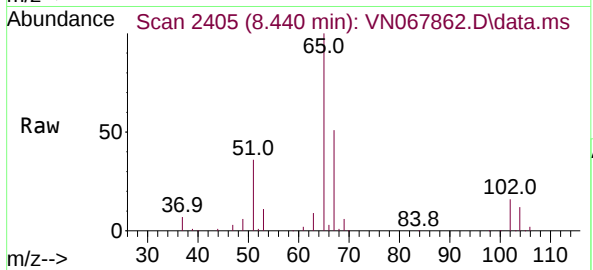


#27

1,2-Dichloroethane-d4
Concen: 33.160 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

Instrument :
MSVOA_N
ClientSampled :

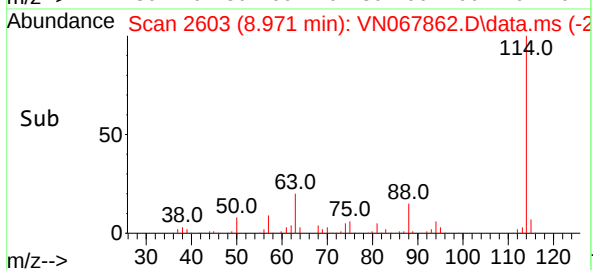
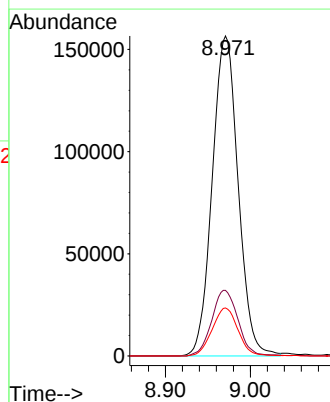
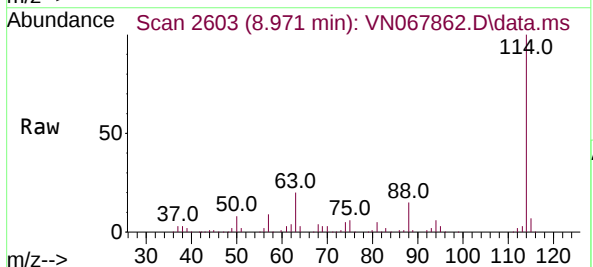
Tgt Ion: 65 Resp: 151269
Ion Ratio Lower Upper
65 100
67 51.0 40.6 60.8

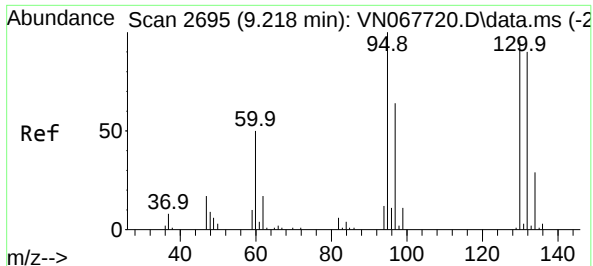


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

Tgt Ion: 114 Resp: 331752
Ion Ratio Lower Upper
114 100
63 20.7 17.2 25.8
88 15.0 12.4 18.6





#37

Trichloroethene

Concen: 0.398 ug/l

RT: 9.223 min Scan# 2697

Delta R.T. 0.005 min

Lab File: VN067862.D

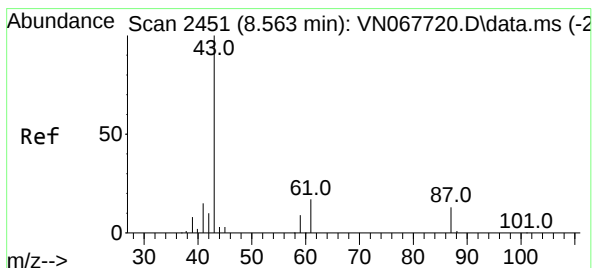
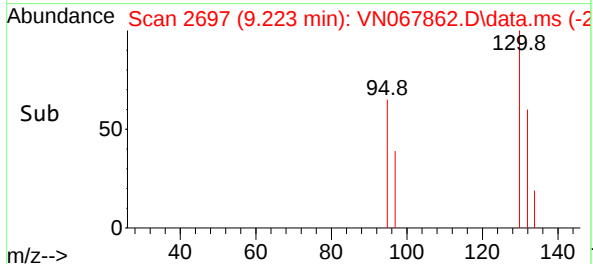
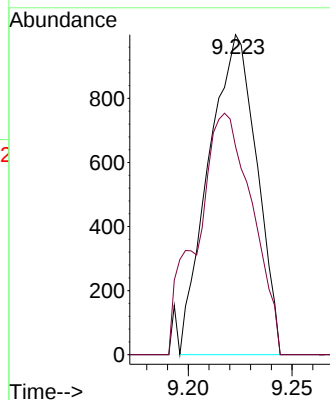
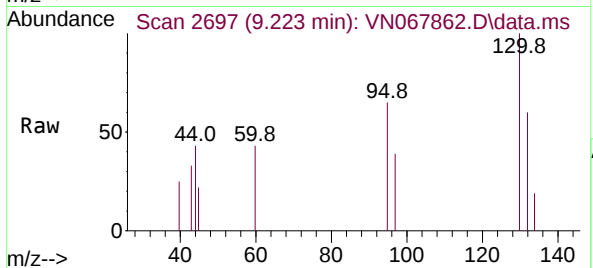
Acq: 22 Jul 2021 15:03

Tgt Ion:130 Resp: 1608

Ion Ratio Lower Upper

130 100

95 65.1 83.2 124.8#



#44

Isopropyl Acetate

Concen: 0.260 ug/l

RT: 8.660 min Scan# 2487

Delta R.T. 0.096 min

Lab File: VN067862.D

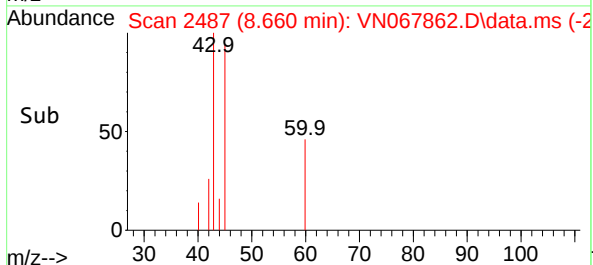
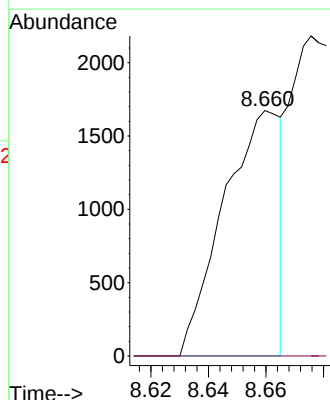
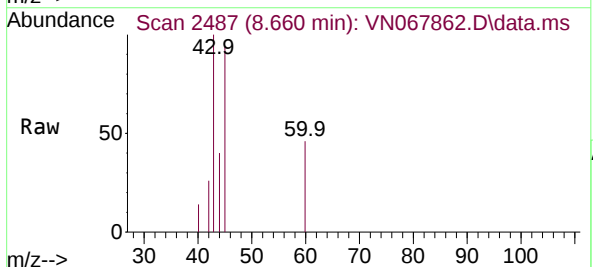
Acq: 22 Jul 2021 15:03

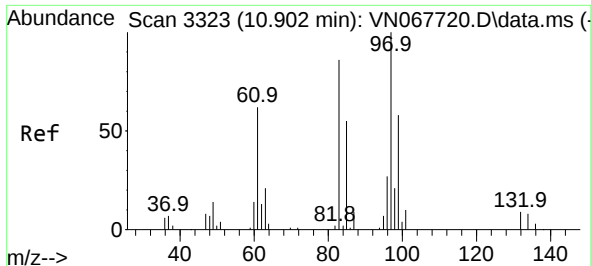
Tgt Ion: 43 Resp: 2303

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

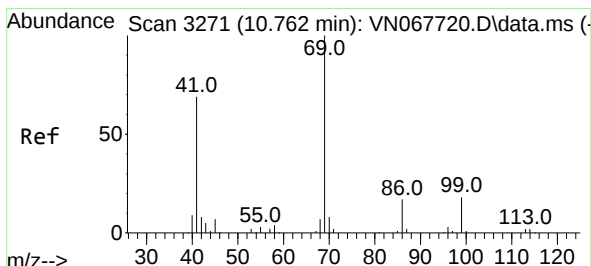
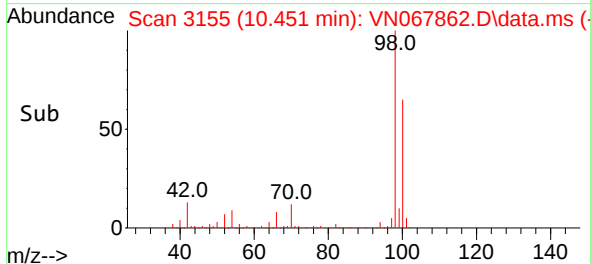
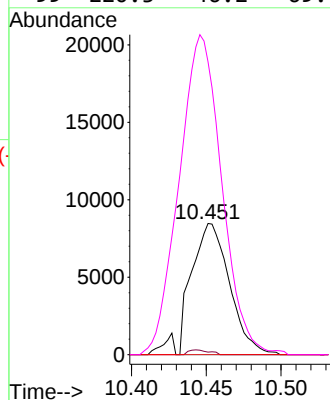
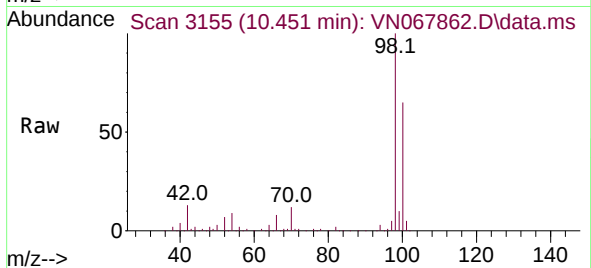




#50
1,1,2-Trichloroethane
Concen: 3.644 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.451 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

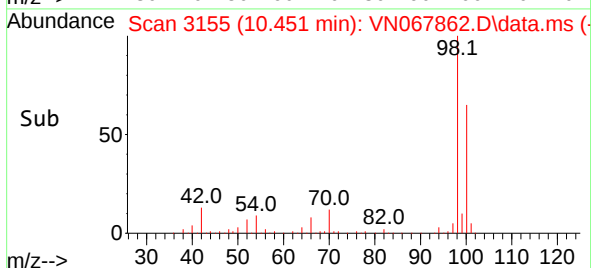
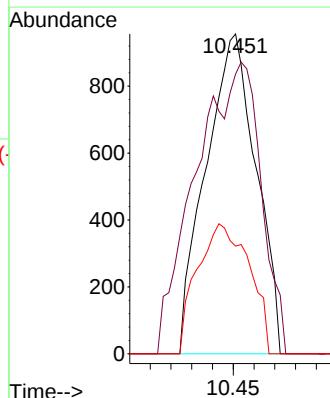
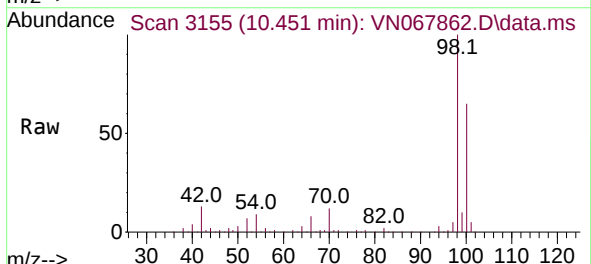
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ClientSampled :

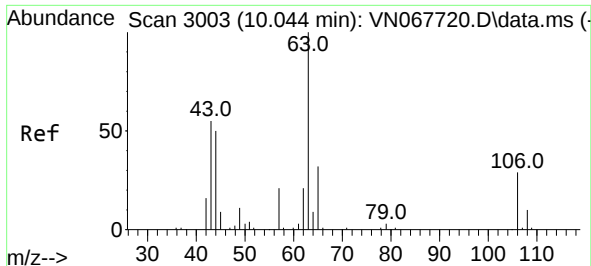
Tgt Ion:	97	Resp:	14836
Ion	Ratio	Lower	Upper
97	100		
83	2.0	69.0	103.4#
85	0.0	43.8	65.8#
99	220.3	46.2	69.4#



#51
Ethyl methacrylate
Concen: 0.254 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.311 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

Tgt Ion:	69	Resp:	1606
Ion	Ratio	Lower	Upper
69	100		
41	69.0	34.3	102.9
39	33.7	23.7	71.1

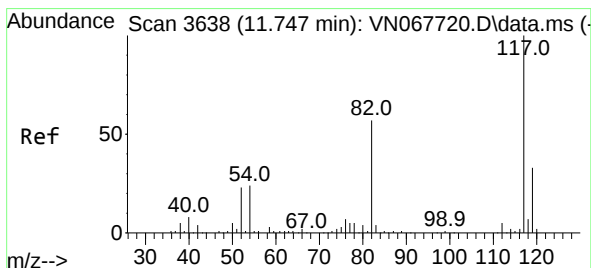
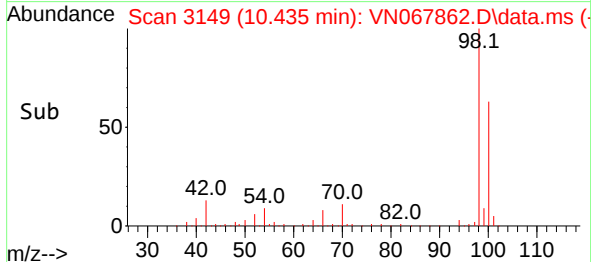
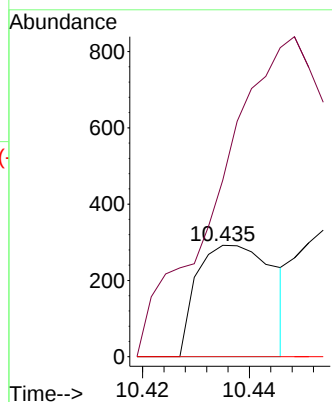
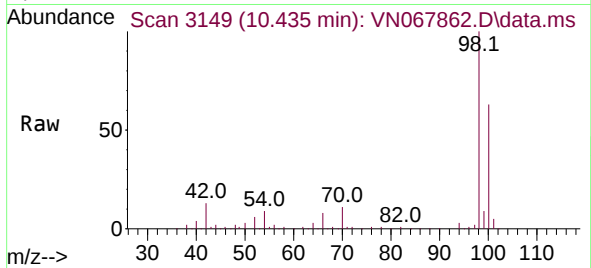




#55
2-Chloroethyl vinyl ether
Concen: 0.238 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. 0.391 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

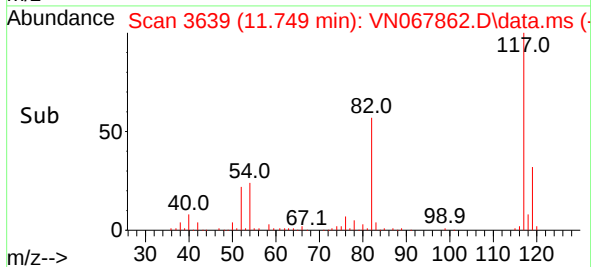
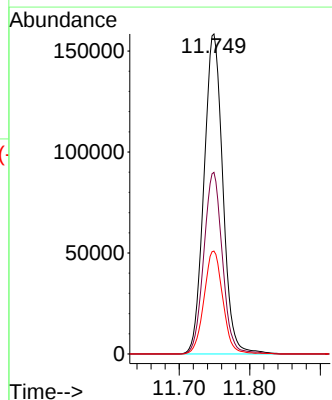
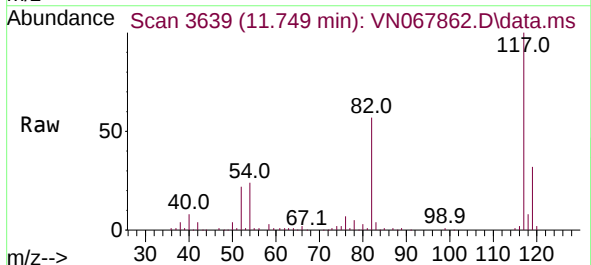
Instrument :
MSVOA_N
ClientSampled :

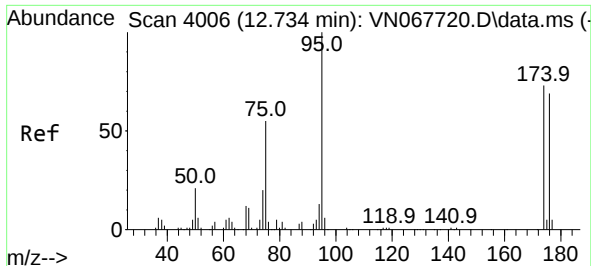
Tgt Ion: 63 Resp: 291
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#
106 0.0 22.1 33.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

Tgt Ion: 117 Resp: 294380
Ion Ratio Lower Upper
117 100
82 56.0 45.4 68.0
119 32.0 25.7 38.5

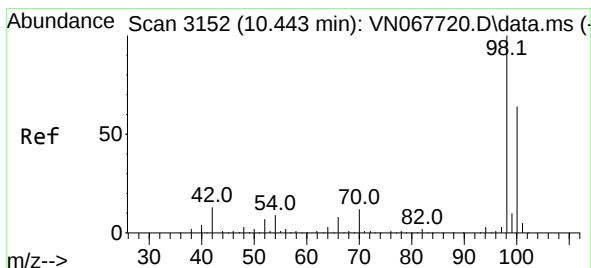
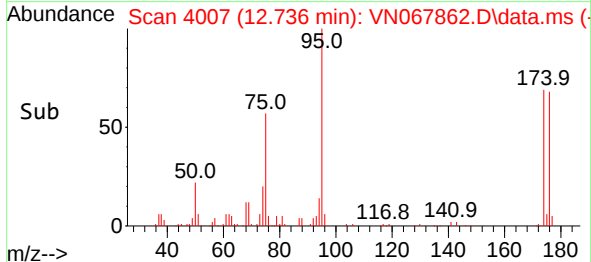
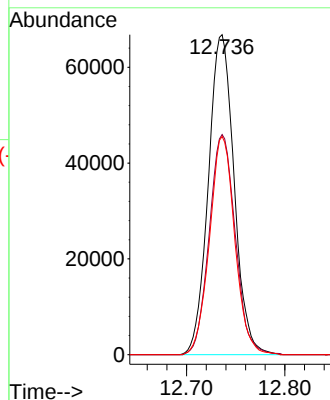
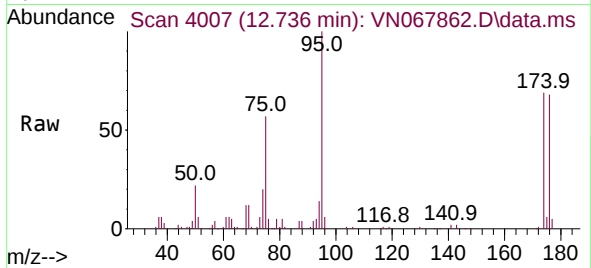




#60
4-Bromofluorobenzene
Concen: 25.482 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

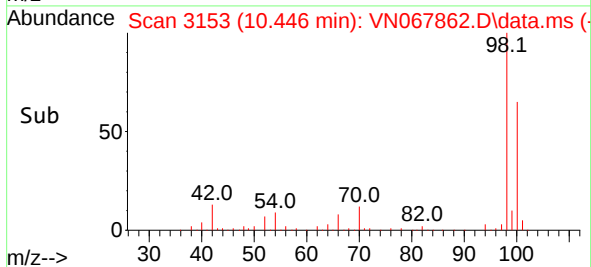
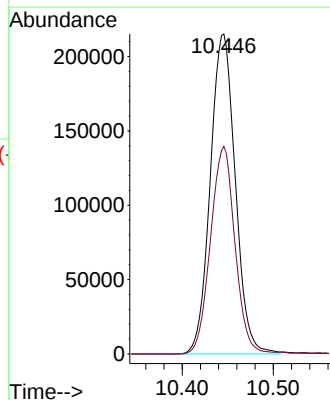
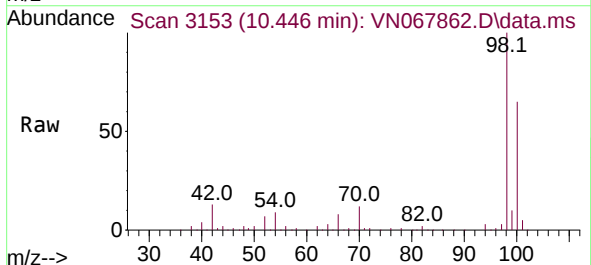
Instrument :
MSVOA_N
ClientSampleId :

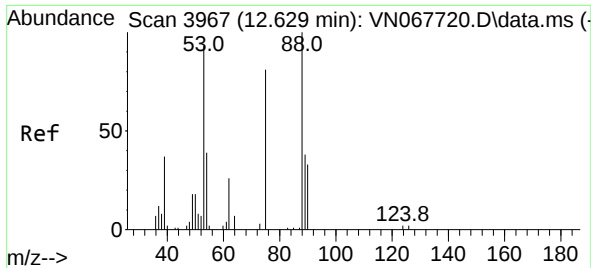
Tgt Ion: 95 Resp: 121826
Ion Ratio Lower Upper
95 100
174 69.7 57.1 85.7
176 67.0 54.6 81.8



#63
Toluene-d8
Concen: 30.275 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067862.D
Acq: 22 Jul 2021 15:03

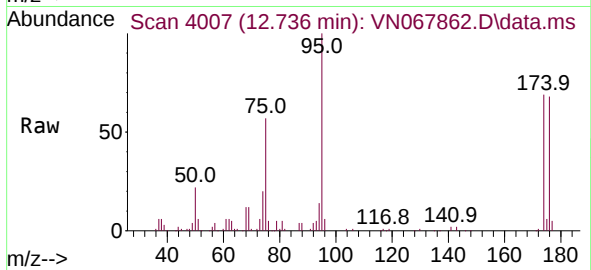
Tgt Ion: 98 Resp: 409927
Ion Ratio Lower Upper
98 100
100 63.4 51.0 76.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 46.294 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. 0.107 min
 Lab File: VN067862.D
 Acq: 22 Jul 2021 15:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68654
 Ion Ratio Lower Upper
 75 100
 53 0.0 57.0 171.0#
 89 0.0 24.7 74.1#

