

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067026.D
 Acq On : 6 May 2021 22:48
 Operator : JC/MD
 Sample : VN0507WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBL01

Quant Time: May 07 07:30:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 07:26:20 2021
 Response via : Initial Calibration

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

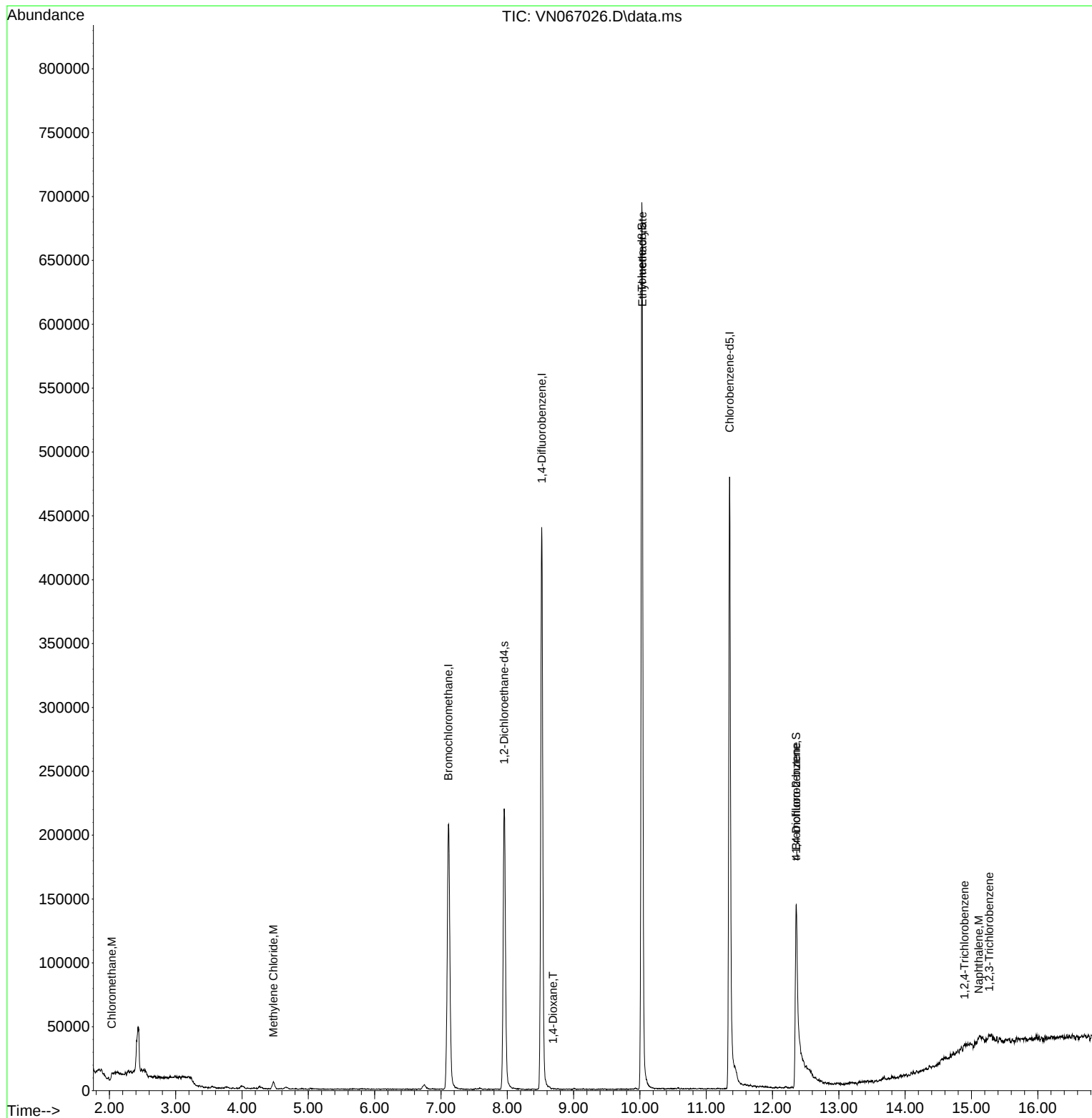
Internal Standards						
1) Bromochloromethane	7.112	128	77525	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	380722	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	296601	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	203481	29.95	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.83%	
60) 4-Bromofluorobenzene	12.355	95	75253	15.25	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	50.83%#	
63) Toluene-d8	10.030	98	485906	33.07	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	110.23%	
Target Compounds						Qvalue
3) Chloromethane	2.038	50	1893	0.23	ug/l	96
18) Methylene Chloride	4.473	84	3711	0.62	ug/l	91
45) 1,4-Dioxane	8.692	88	50	0.68	ug/l #	19
51) Ethyl methacrylate	10.038	69	1629	0.24	ug/l #	78
77) t-1,4-Dichloro-2-butene	12.355	75	40056	24.49	ug/l #	16
89) 1,2,4-Trichlorobenzene	14.895	180	956	0.26	ug/l #	13
91) Naphthalene	15.112	128	3634	0.35	ug/l #	77
92) 1,2,3-Trichlorobenzene	15.268	180	1129	0.29	ug/l	75

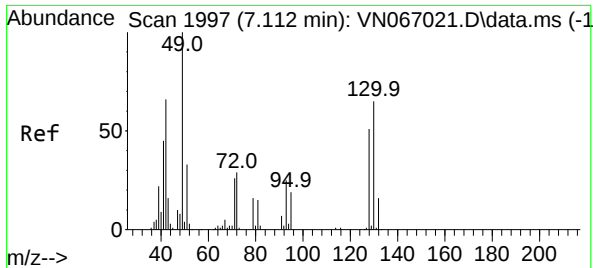
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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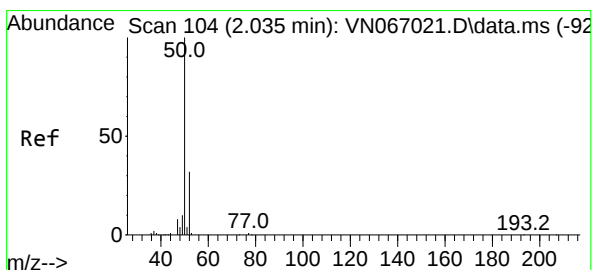
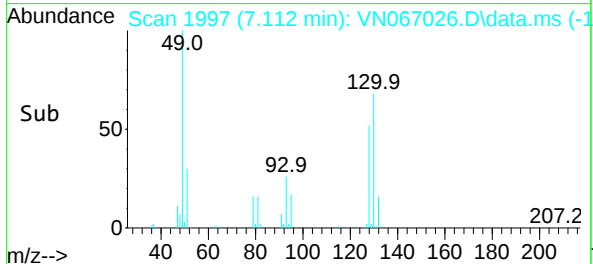
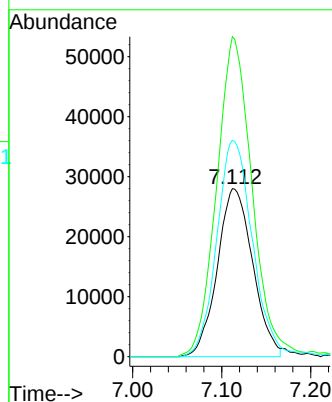
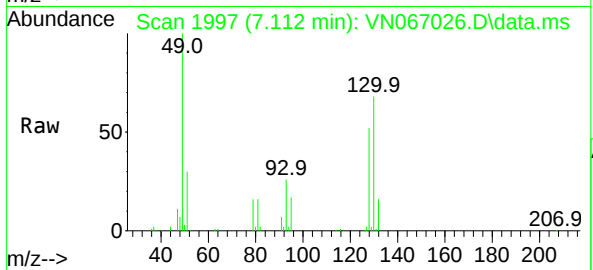




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.112 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

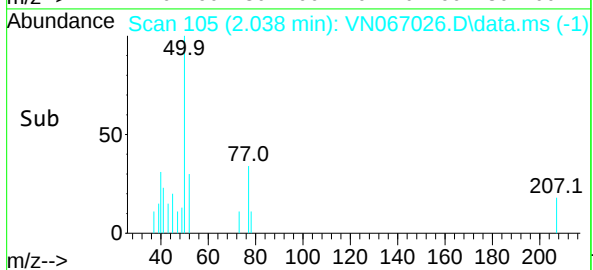
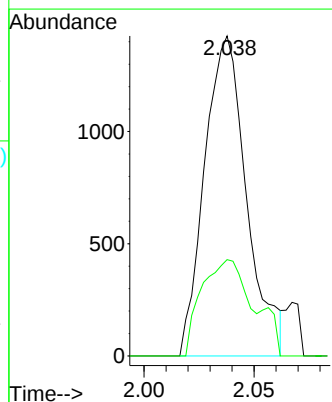
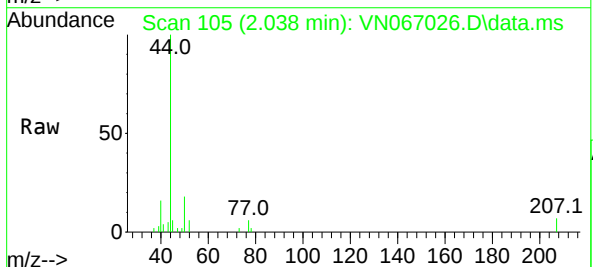
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

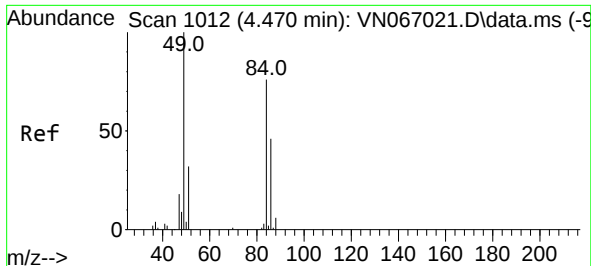
Tgt Ion:128 Resp: 77525
Ion Ratio Lower Upper
128 100
49 190.0 0.0 486.3
130 129.7 0.0 326.0



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.038 min Scan# 105
Delta R.T. 0.003 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

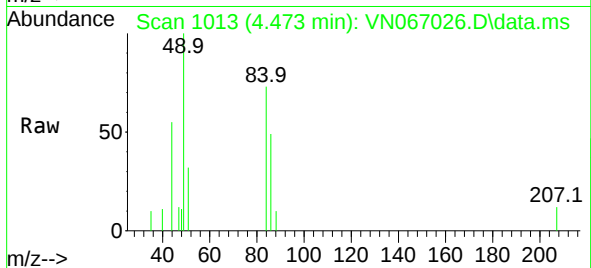
Tgt Ion: 50 Resp: 1893
Ion Ratio Lower Upper
50 100
52 30.1 25.9 38.9



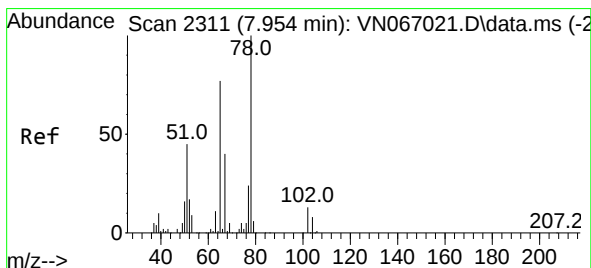
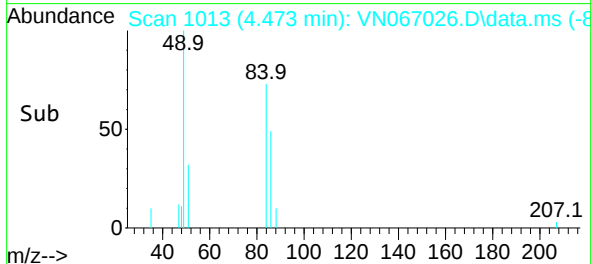
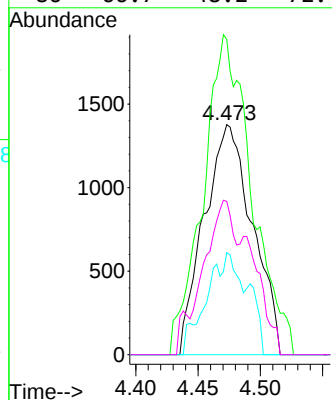


#18
Methylene Chloride
Concen: 0.62 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

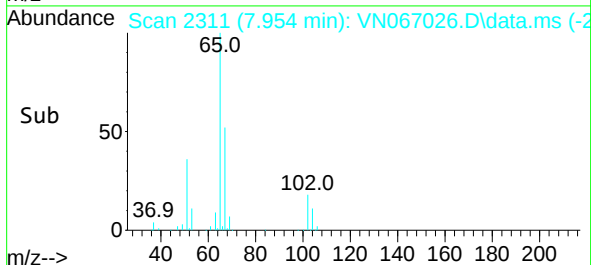
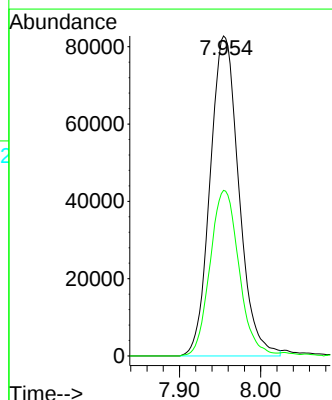
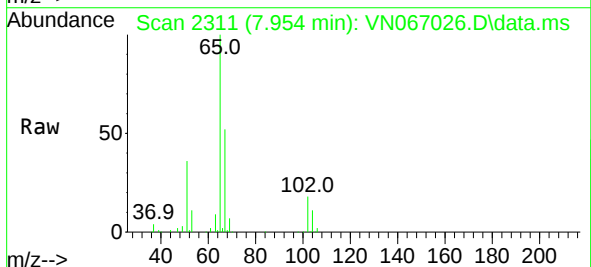


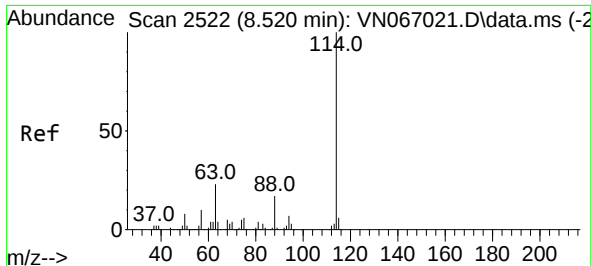
Tgt Ion:	84	Resp:	3711
Ion	Ratio	Lower	Upper
84	100		
49	119.0	105.0	157.6
51	44.4	33.3	49.9
86	66.7	48.2	72.4



#27
1,2-Dichloroethane-d4
Concen: 29.95 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

Tgt Ion:	65	Resp:	203481
Ion	Ratio	Lower	Upper
65	100		
67	52.1	41.6	62.4





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.520 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VN067026.D

Acq: 6 May 2021 22:48

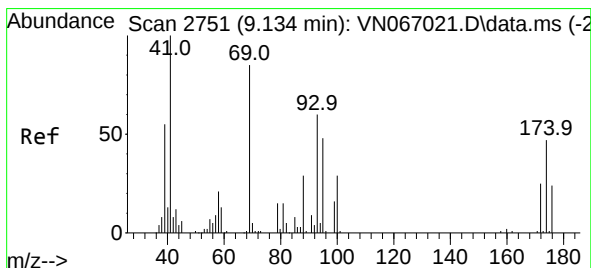
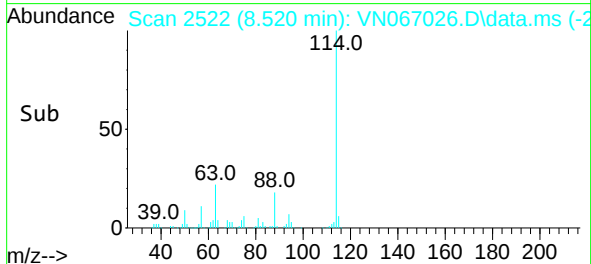
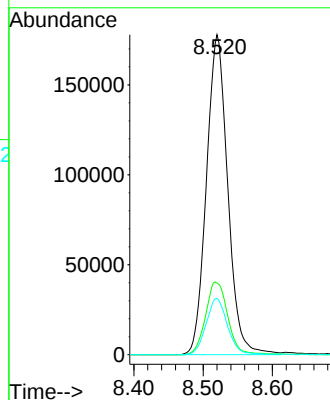
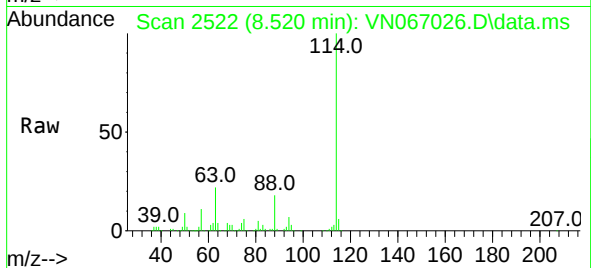
Tgt Ion: 114 Resp: 380722

Ion Ratio Lower Upper

114 100

63 23.4 18.8 28.2

88 17.6 13.8 20.6



#45

1,4-Dioxane

Concen: 0.68 ug/l

RT: 8.692 min Scan# 2586

Delta R.T. -0.442 min

Lab File: VN067026.D

Acq: 6 May 2021 22:48

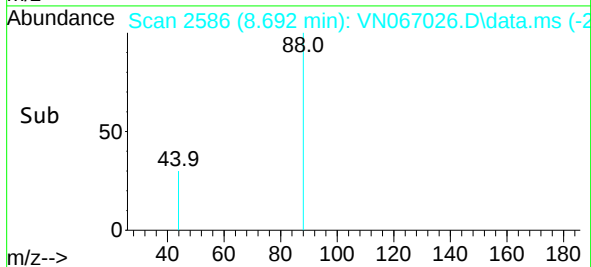
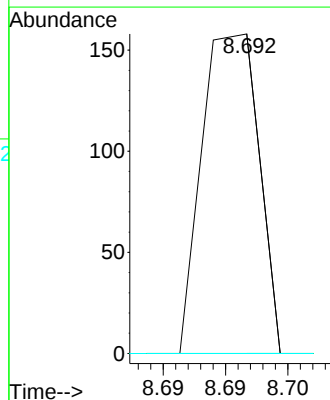
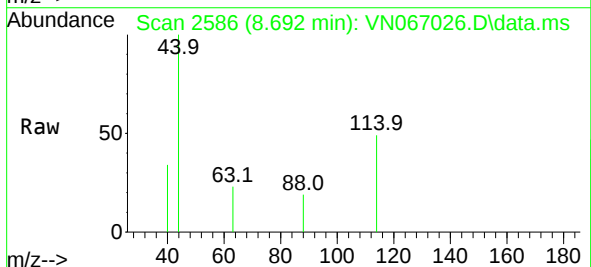
Tgt Ion: 88 Resp: 50

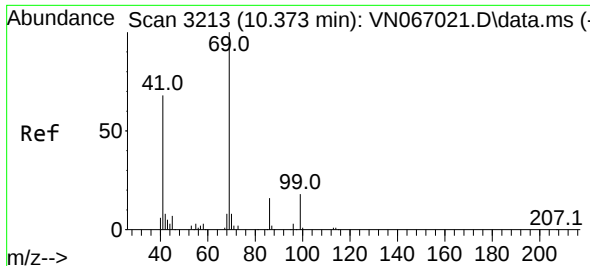
Ion Ratio Lower Upper

88 100

43 0.0 28.0 42.0#

58 0.0 62.8 94.2#

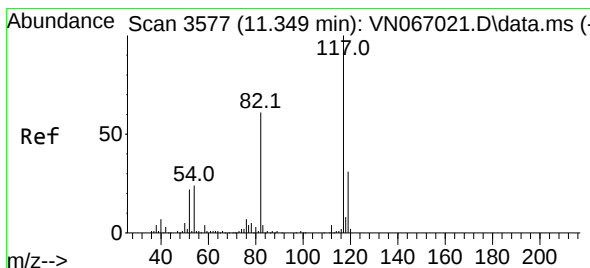
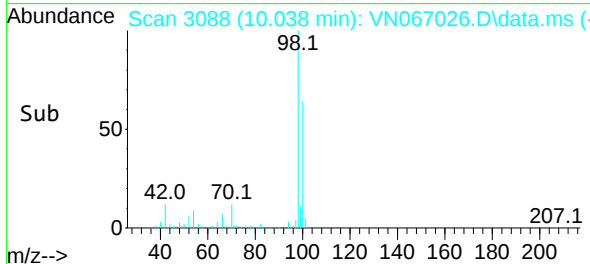
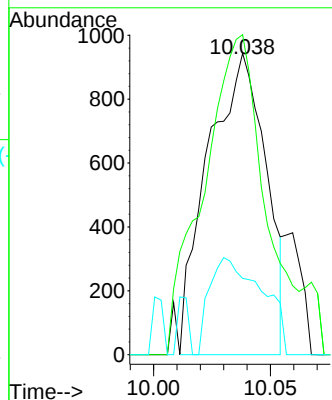
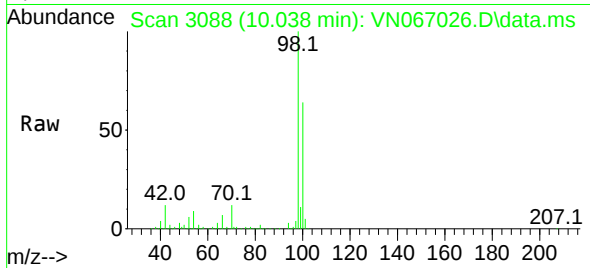




#51
Ethyl methacrylate
Concen: 0.24 ug/l
RT: 10.038 min Scan# 3088
Delta R.T. -0.335 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

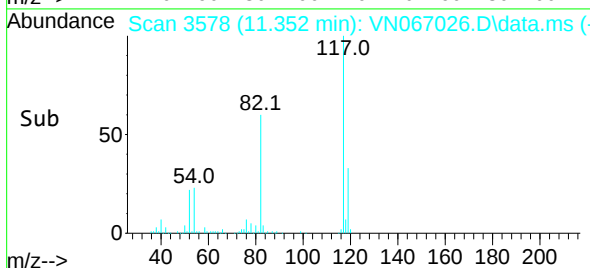
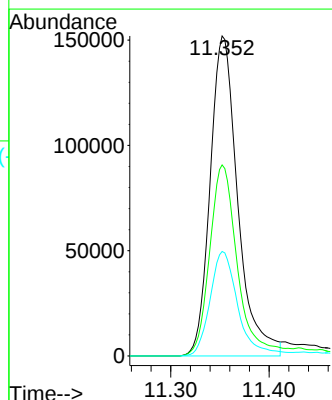
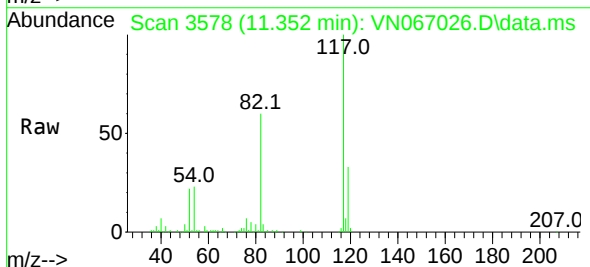
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

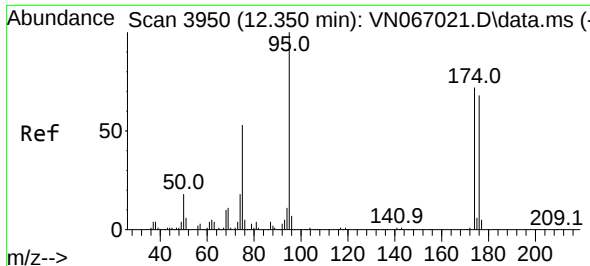
Tgt Ion: 69 Resp: 1629
Ion Ratio Lower Upper
69 100
41 75.8 33.9 101.7
39 8.2 17.3 51.9#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

Tgt Ion:117 Resp: 296601
Ion Ratio Lower Upper
117 100
82 60.0 49.3 73.9
119 33.2 25.5 38.3

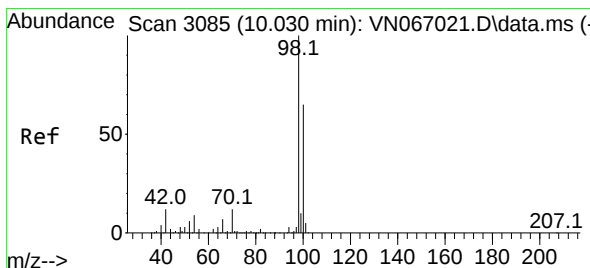
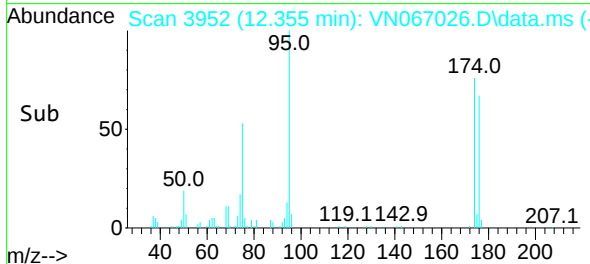
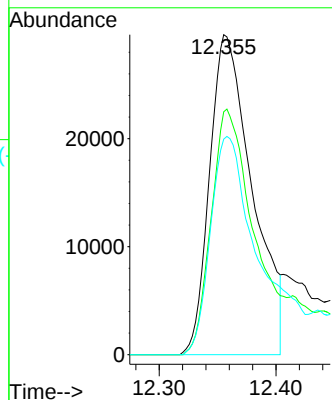
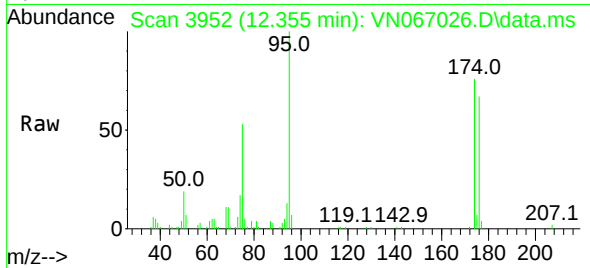




#60
4-Bromofluorobenzene
Concen: 15.25 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.005 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

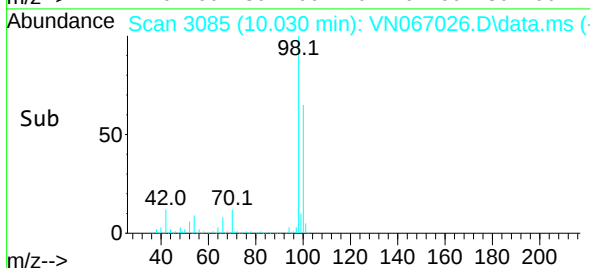
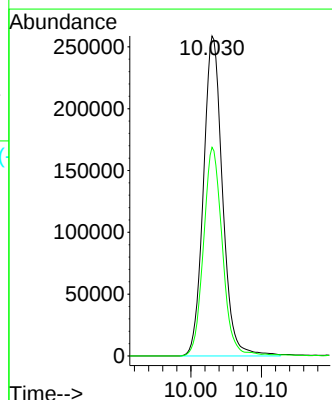
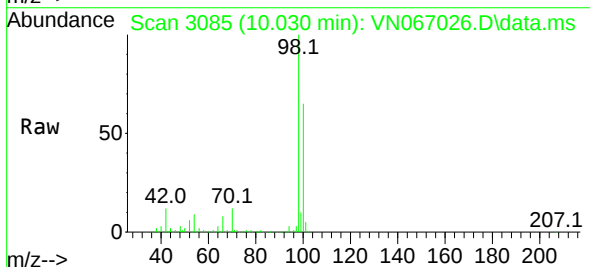
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

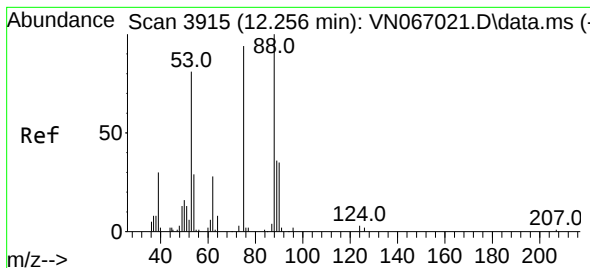
Tgt Ion: 95 Resp: 75253
Ion Ratio Lower Upper
95 100
174 77.5 57.2 85.8
176 77.3 54.5 81.7



#63
Toluene-d8
Concen: 33.07 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

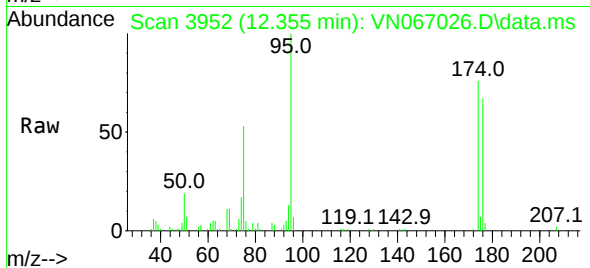
Tgt Ion: 98 Resp: 485906
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



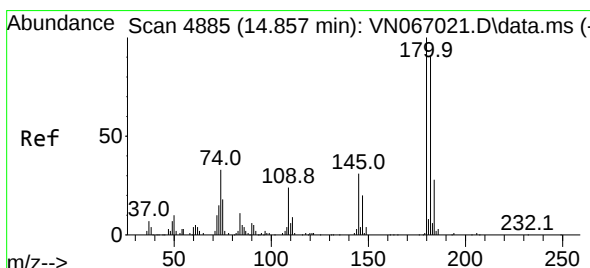
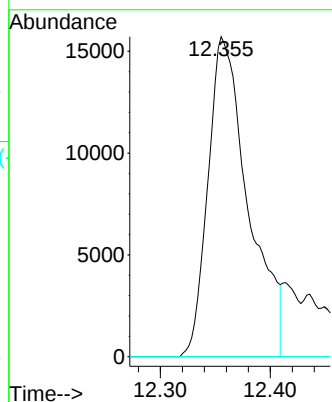
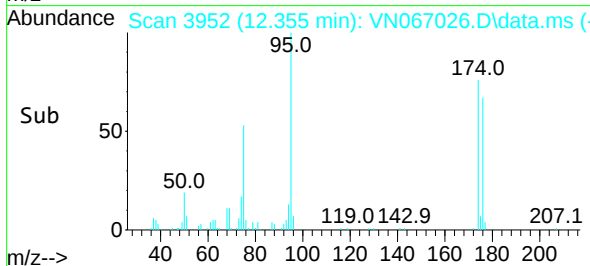


#77
t-1,4-Dichloro-2-butene
Concen: 24.49 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.099 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

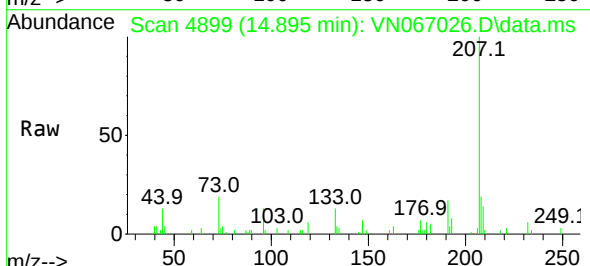
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01



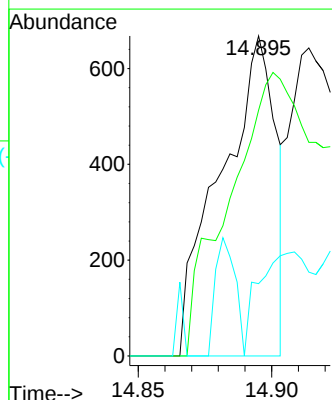
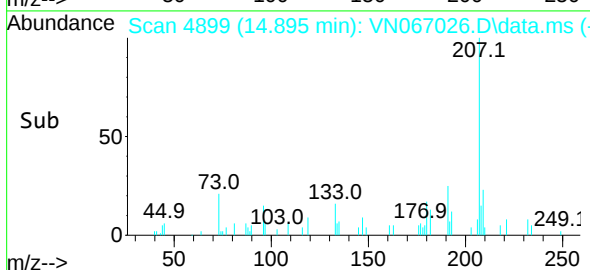
Tgt Ion: 75 Resp: 40056
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

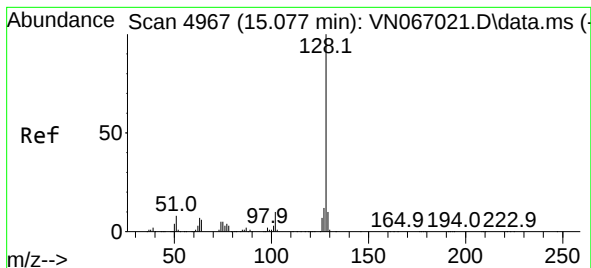


#89
1,2,4-Trichlorobenzene
Concen: 0.26 ug/l
RT: 14.895 min Scan# 4899
Delta R.T. 0.038 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48



Tgt Ion: 180 Resp: 956
Ion Ratio Lower Upper
180 100
182 0.0 78.6 117.8#
145 5.1 25.0 37.4#

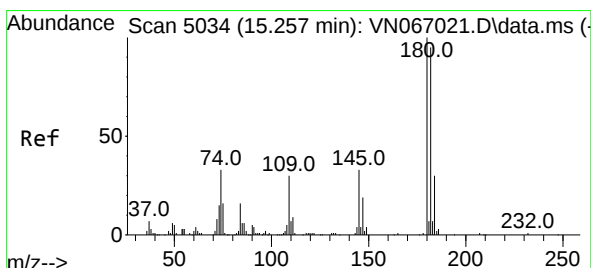
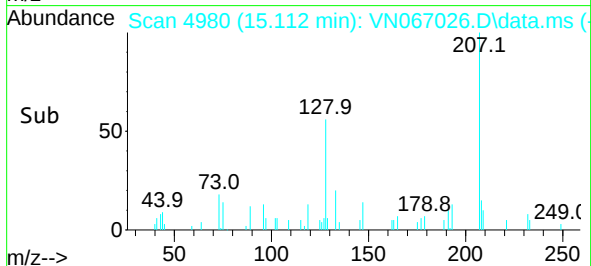
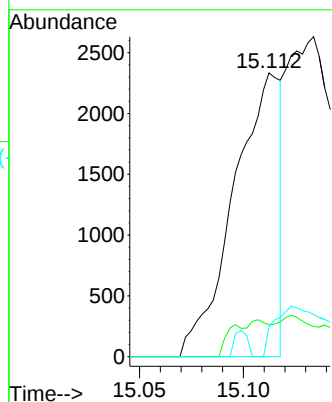
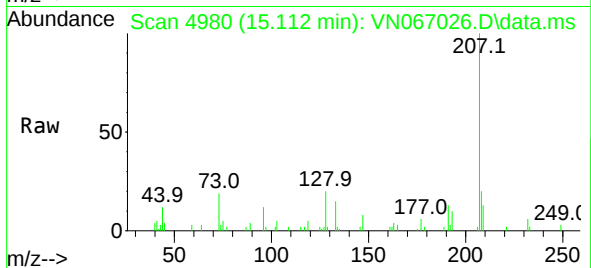




#91
Naphthalene
Concen: 0.35 ug/l
RT: 15.112 min Scan# 4980
Delta R.T. 0.035 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

Tgt Ion:128 Resp: 3634
Ion Ratio Lower Upper
128 100
127 4.6 9.8 14.6#
129 0.0 7.8 11.8#



#92
1,2,3-Trichlorobenzene
Concen: 0.29 ug/l
RT: 15.268 min Scan# 5038
Delta R.T. 0.011 min
Lab File: VN067026.D
Acq: 6 May 2021 22:48

Tgt Ion:180 Resp: 1129
Ion Ratio Lower Upper
180 100
182 119.8 0.0 184.4
145 25.0 0.0 67.6

