

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067744.D
 Acq On : 14 Jul 2021 15:38
 Operator : JC/MD
 Sample : M2975-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 15 06:16:39 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)

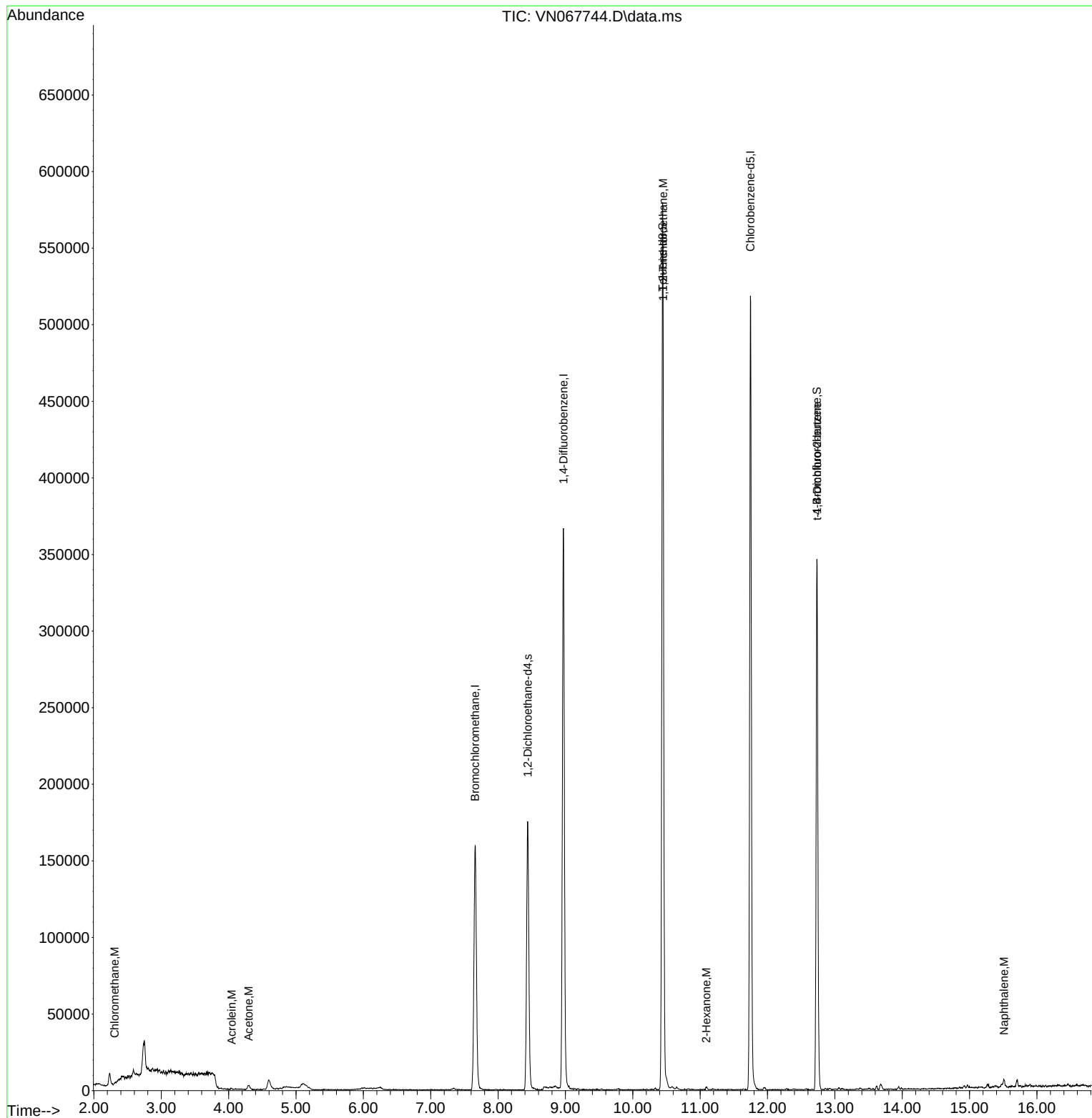
Internal Standards						
1) Bromochloromethane	7.659	128	54771	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	318028	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	291263	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	148997	33.672	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.233%#
60) 4-Bromofluorobenzene	12.734	95	119924	25.353	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.500%
63) Toluene-d8	10.443	98	404590	30.201	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.667%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	850	0.243	ug/l #	85
13) Acrolein	4.044	56	133	0.350	ug/l #	100
15) Acetone	4.296	58	563	1.424	ug/l #	68
50) 1,1,2-Trichloroethane	10.451	97	15694	4.021	ug/l #	1
59) 2-Hexanone	11.090	43	843	0.240	ug/l #	60
77) t-1,4-Dichloro-2-butene	12.736	75	70120	47.789	ug/l #	4
91) Naphthalene	15.509	128	4917	0.503	ug/l #	79

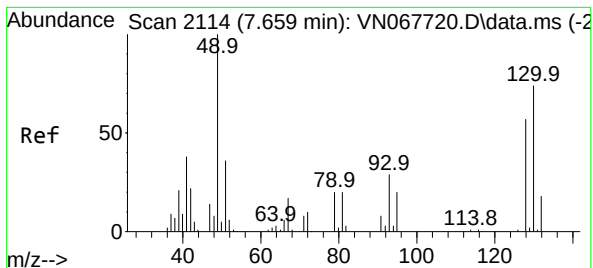
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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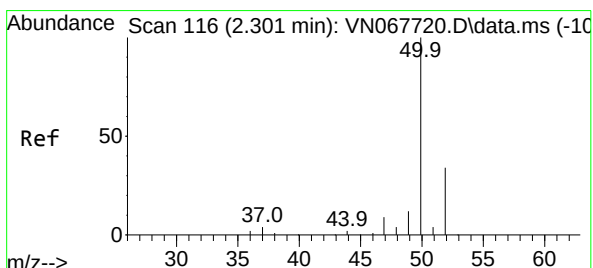
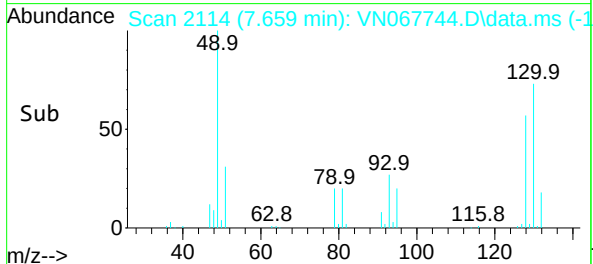
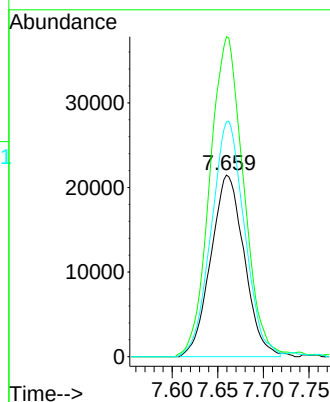
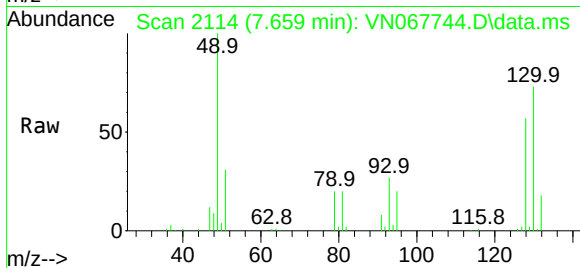


#1

Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

Instrument :
MSVOA_N
ClientSampled :

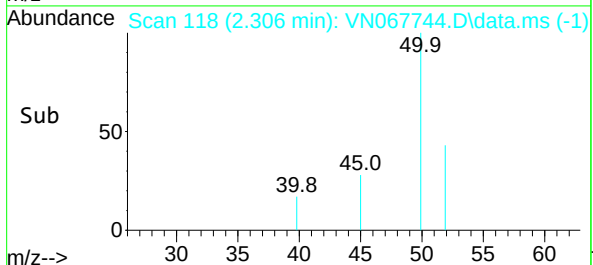
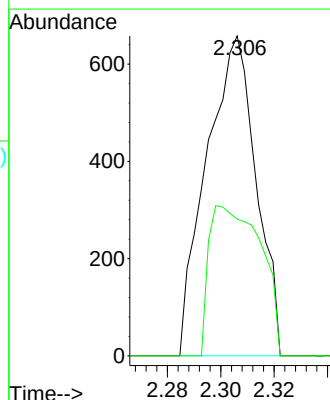
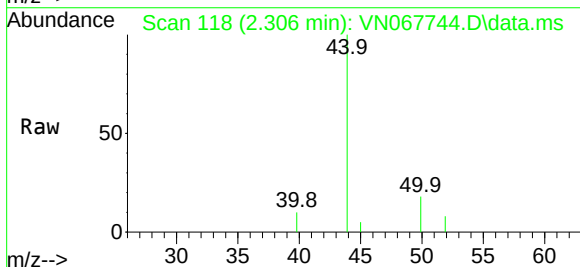
Tgt Ion:128 Resp: 54771
Ion Ratio Lower Upper
128 100
49 177.1 0.0 433.0
130 129.1 0.0 323.8

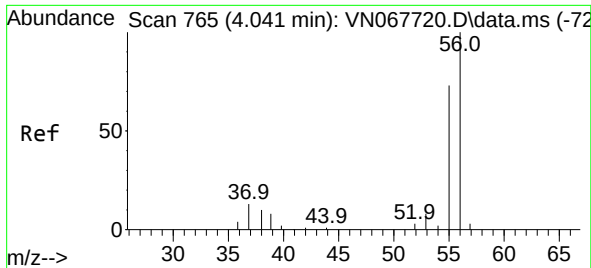


#3

Chloromethane
Concen: 0.243 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 42.7 27.2 40.8#

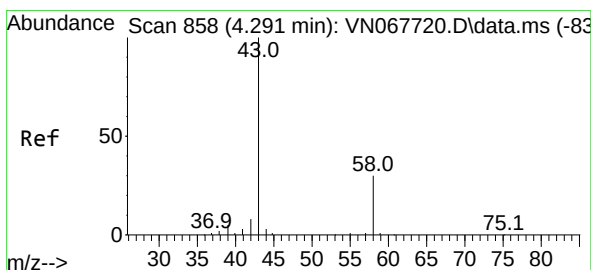
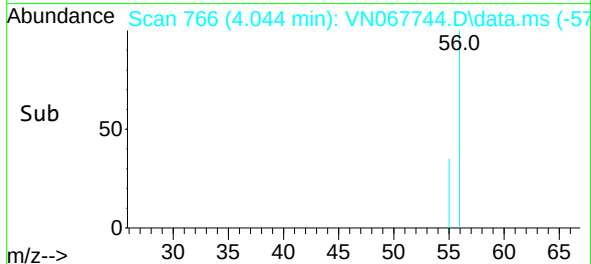
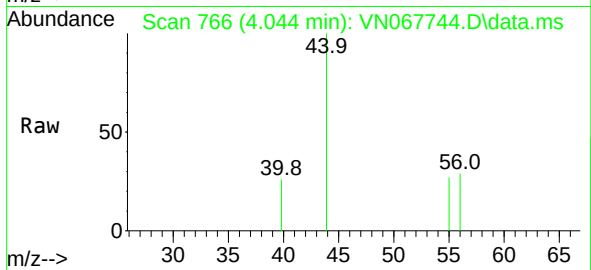




#13
Acrolein
Concen: 0.350 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

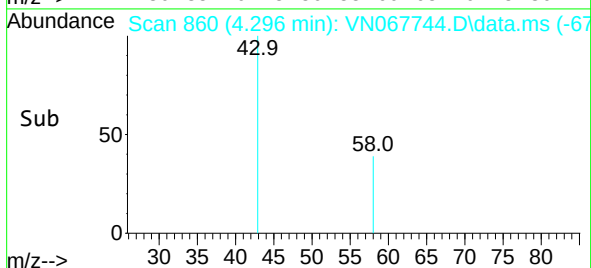
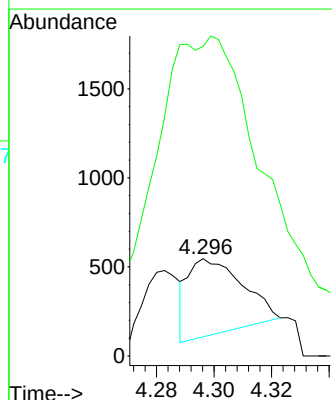
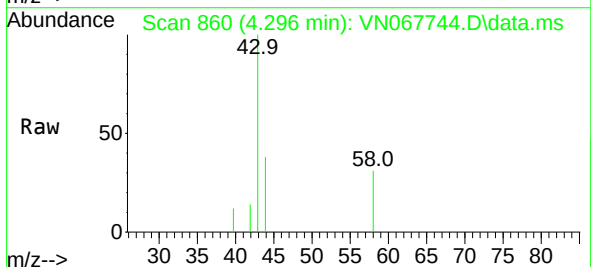
Instrument :
MSVOA_N
ClientSampled :

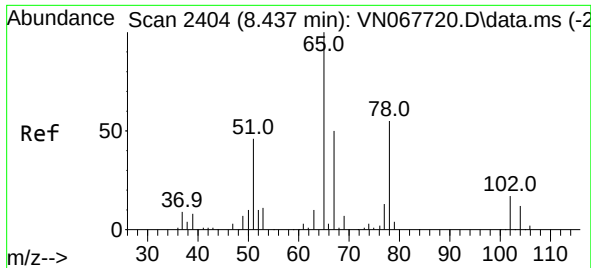
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 0.0 0.2 0.2#



#15
Acetone
Concen: 1.424 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

Tgt Ion: 58 Resp: 563
Ion Ratio Lower Upper
58 100
43 266.9 268.2 402.4#



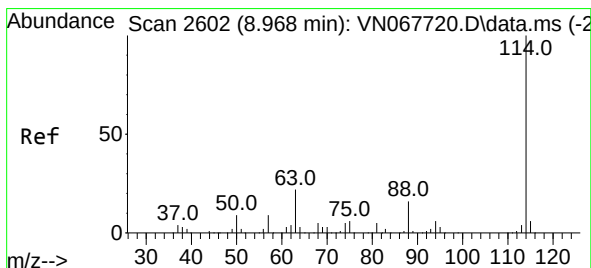
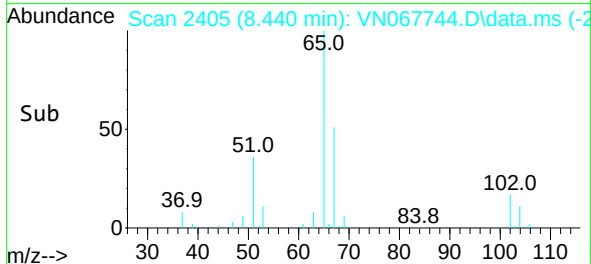
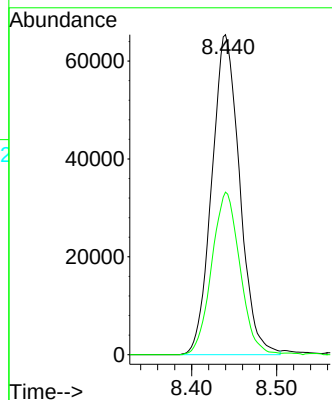
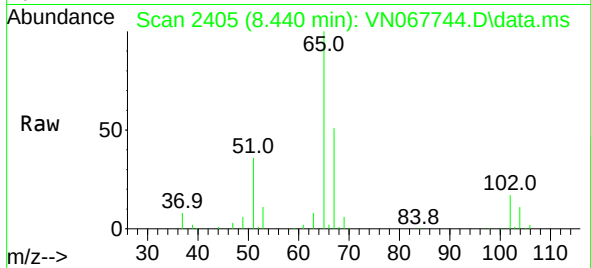


#27

1,2-Dichloroethane-d4
Concen: 33.672 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

Instrument :
MSVOA_N
ClientSampled :

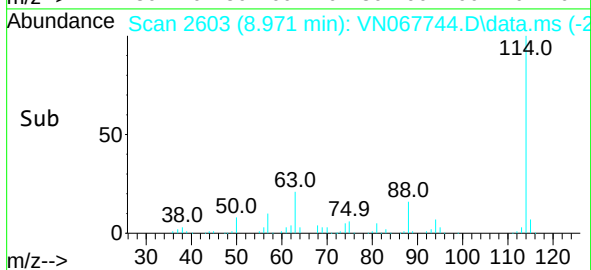
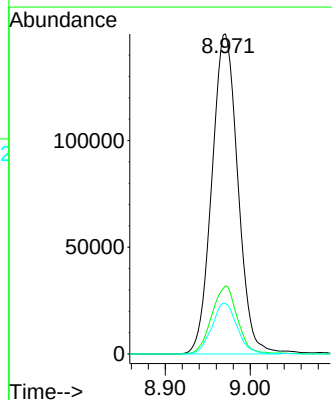
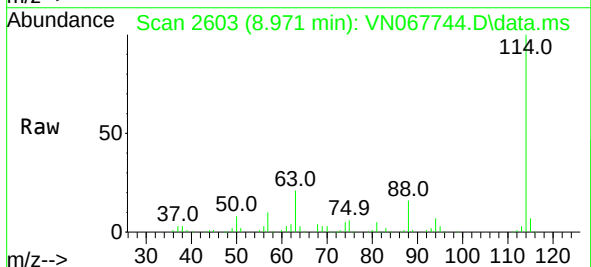
Tgt Ion: 65 Resp: 148997
Ion Ratio Lower Upper
65 100
67 51.5 40.6 60.8

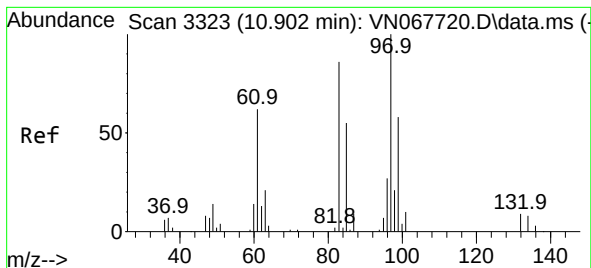


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

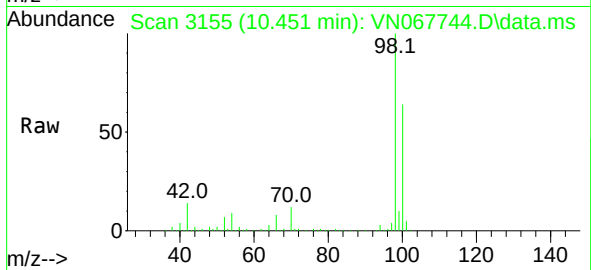
Tgt Ion: 114 Resp: 318028
Ion Ratio Lower Upper
114 100
63 21.0 17.2 25.8
88 15.4 12.4 18.6



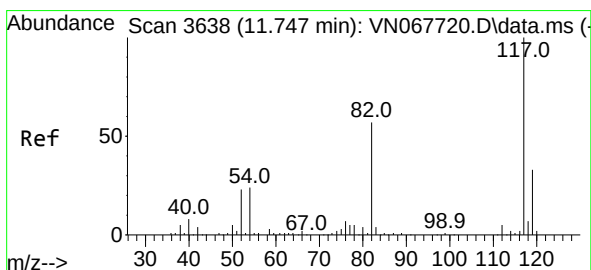
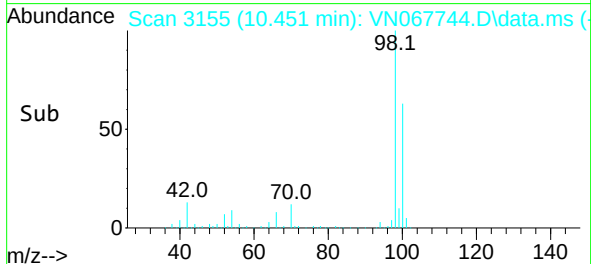
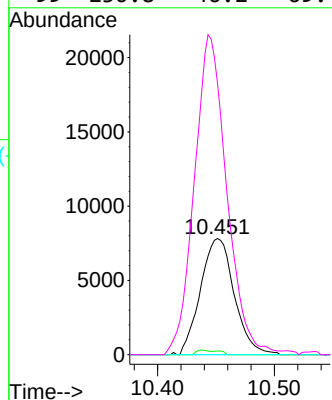


#50
1,1,2-Trichloroethane
Concen: 4.021 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.451 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

Instrument :
MSVOA_N
ClientSampled :

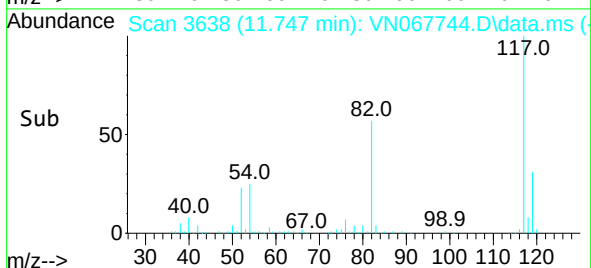
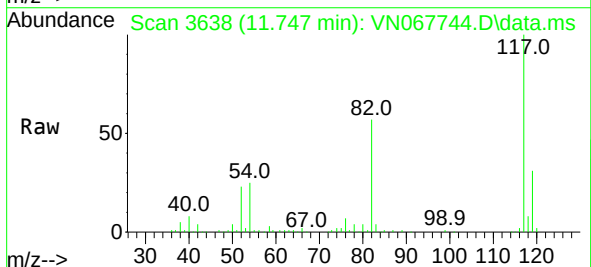
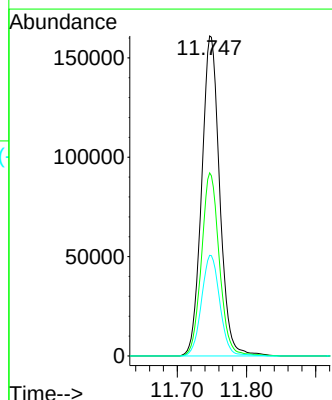


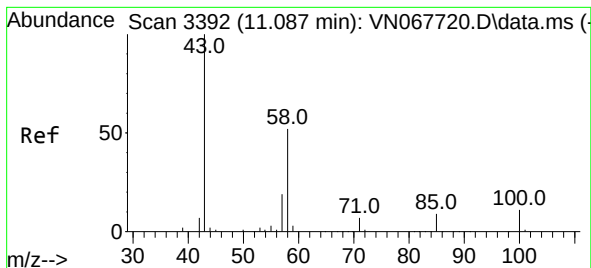
Tgt Ion:	97	Resp:	15694
Ion	Ratio	Lower	Upper
97	100		
83	3.2	69.0	103.4#
85	0.0	43.8	65.8#
99	230.8	46.2	69.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

Tgt Ion:	117	Resp:	291263
Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.0
119	32.0	25.7	38.5

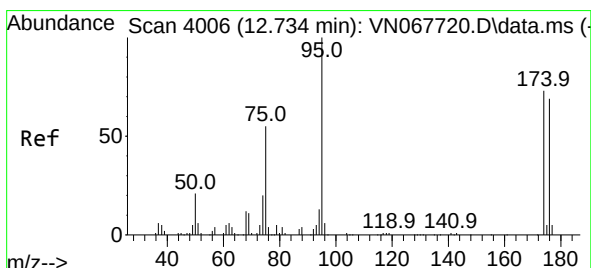
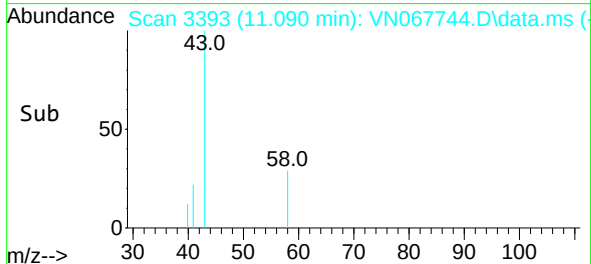
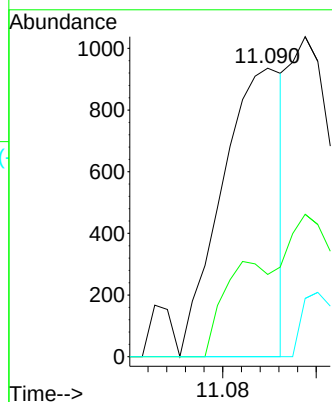
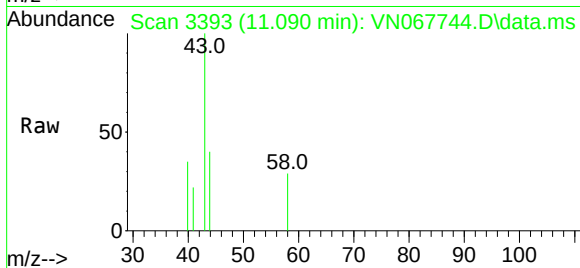




#59
2-Hexanone
Concen: 0.240 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

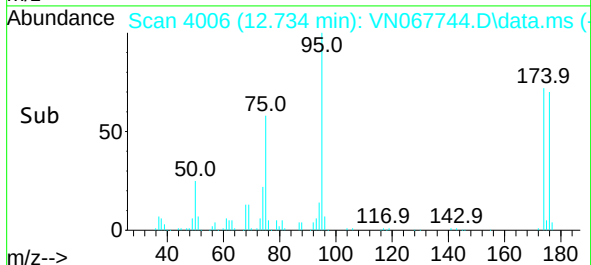
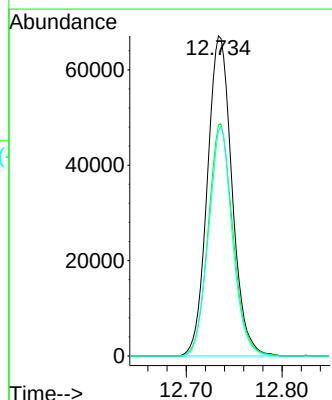
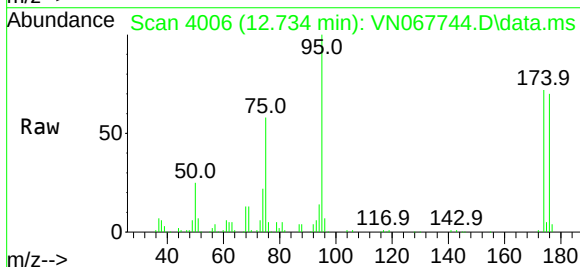
Instrument :
MSVOA_N
ClientSampleId :

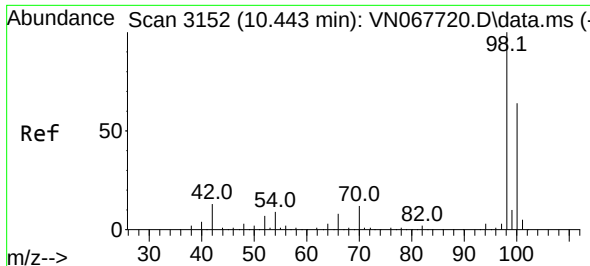
Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 24.7 41.5 62.3#
57 0.0 15.1 22.7#



#60
4-Bromofluorobenzene
Concen: 25.353 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

Tgt Ion: 95 Resp: 119924
Ion Ratio Lower Upper
95 100
174 72.7 57.1 85.7
176 69.3 54.6 81.8

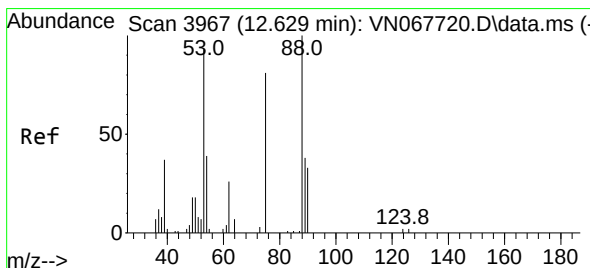
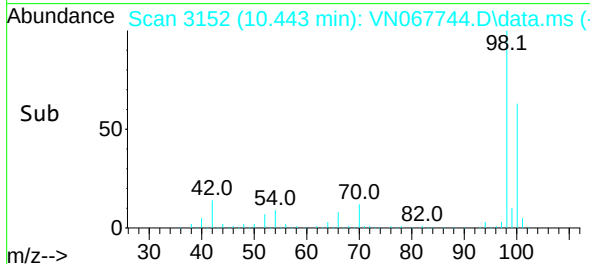
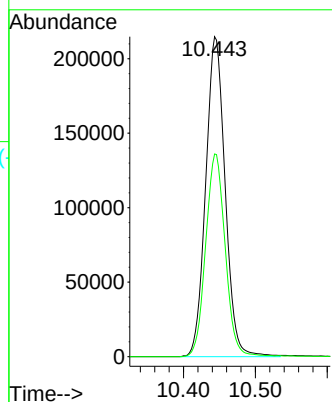
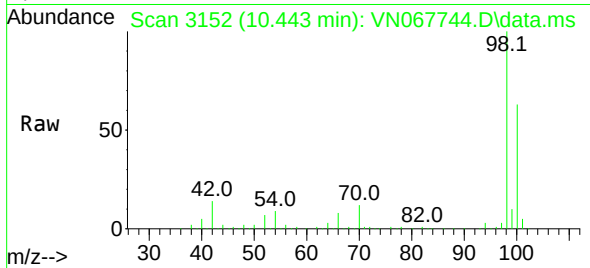




#63
Toluene-d8
Concen: 30.201 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

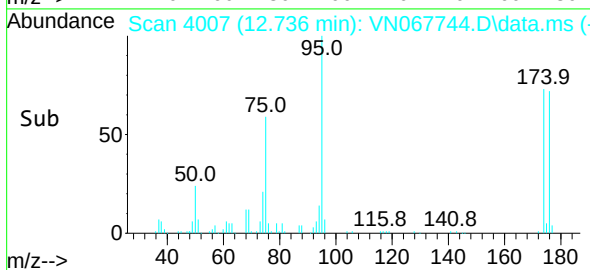
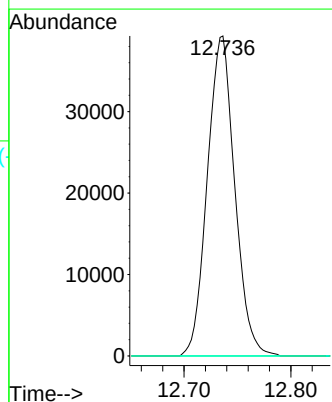
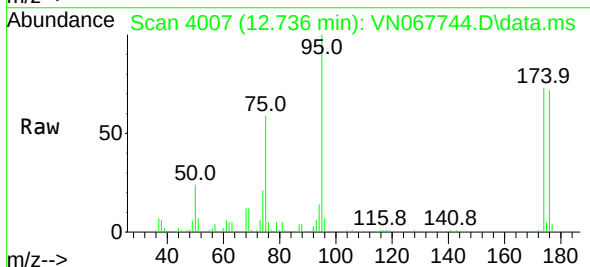
Instrument :
MSVOA_N
ClientSampled :

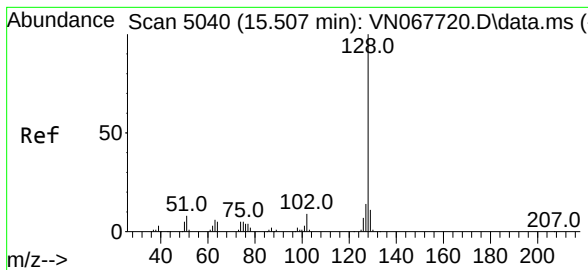
Tgt Ion: 98 Resp: 404590
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 47.789 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

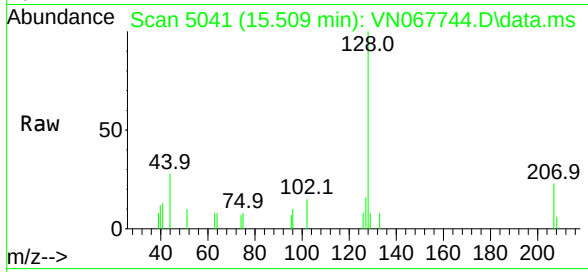
Tgt Ion: 75 Resp: 70120
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#





#91
Naphthalene
Concen: 0.503 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN067744.D
Acq: 14 Jul 2021 15:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 4917
Ion Ratio Lower Upper
128 100
127 4.1 10.9 16.3#
129 4.3 8.7 13.1#

