

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067745.D
 Acq On : 14 Jul 2021 16:03
 Operator : JC/MD
 Sample : M2975-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 15 06:16:53 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)

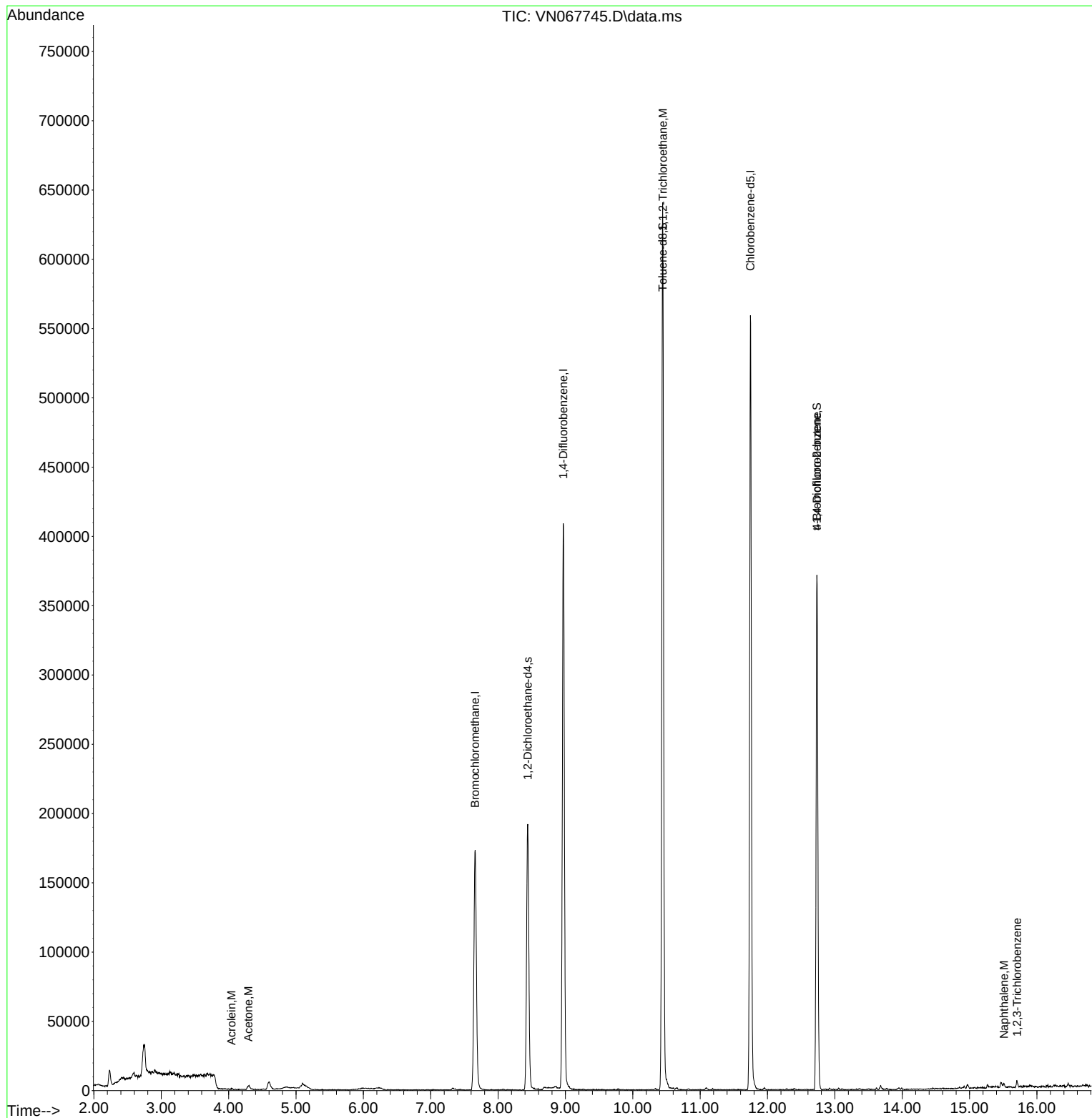
Internal Standards						
1) Bromochloromethane	7.657	128	61438	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	357735	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	317686	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	165325	33.308	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.033%#
60) 4-Bromofluorobenzene	12.734	95	132712	25.723	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.733%
63) Toluene-d8	10.443	98	446457	30.554	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.833%
Target Compounds						
					Qvalue	
13) Acrolein	4.041	56	221	0.519	ug/l #	47
15) Acetone	4.293	58	309	0.697	ug/l	86
50) 1,1,2-Trichloroethane	10.449	97	16772	3.820	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.734	75	75467	47.155	ug/l #	4
91) Naphthalene	15.509	128	3125	0.293	ug/l #	78
92) 1,2,3-Trichlorobenzene	15.705	180	864	0.240	ug/l	58

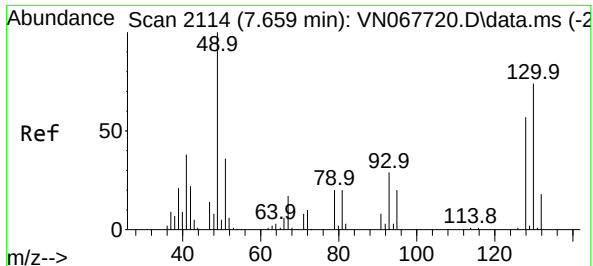
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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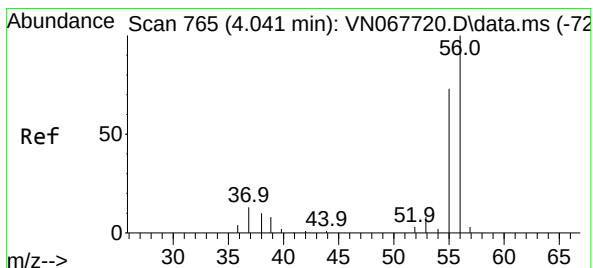
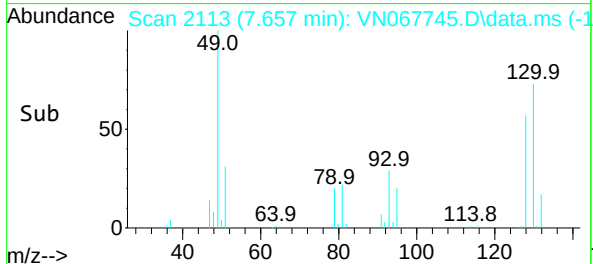
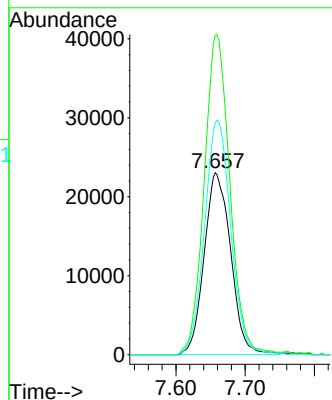
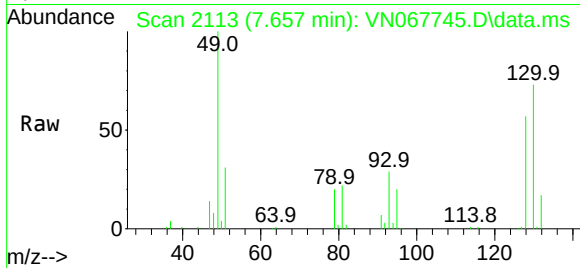




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 2113
Delta R.T. -0.002 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

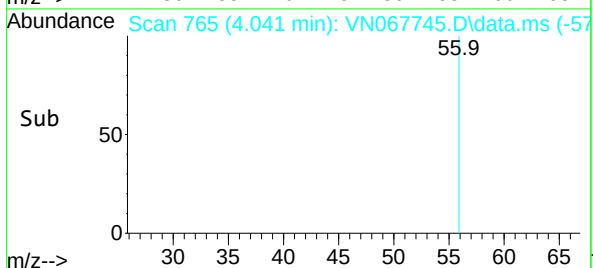
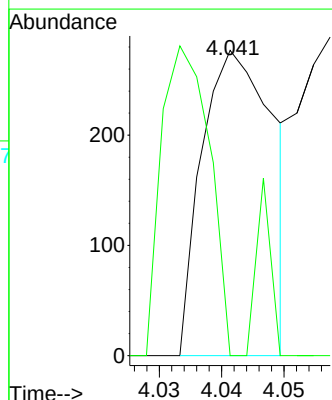
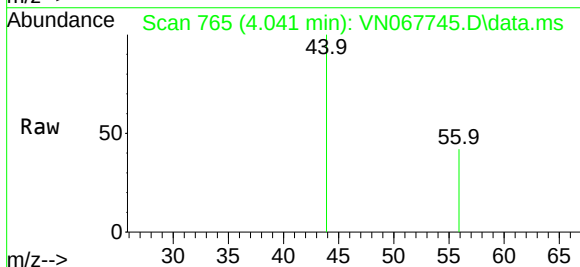
Instrument :
MSVOA_N
ClientSampleId :

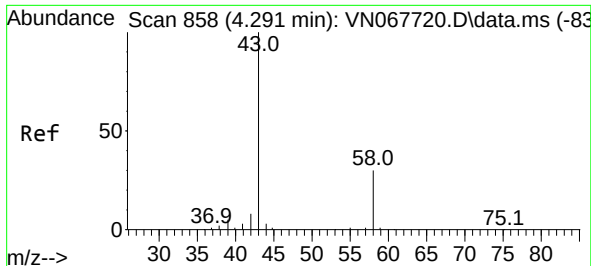
Tgt Ion:128 Resp: 61438
Ion Ratio Lower Upper
128 100
49 169.7 0.0 433.0
130 126.4 0.0 323.8



#13
Acrolein
Concen: 0.519 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 67.9 0.2 0.2#

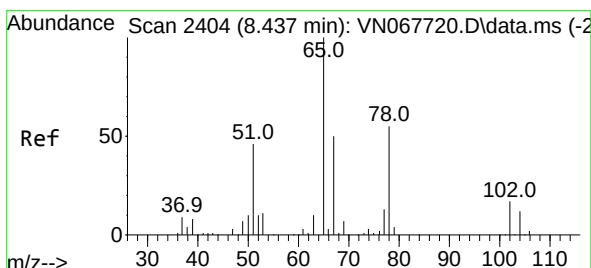
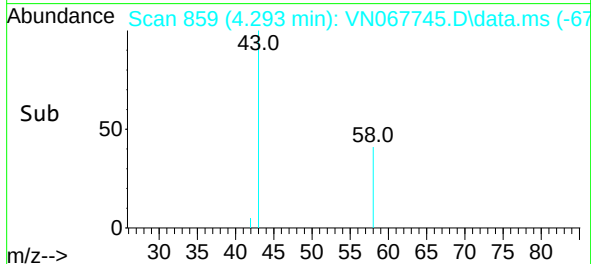
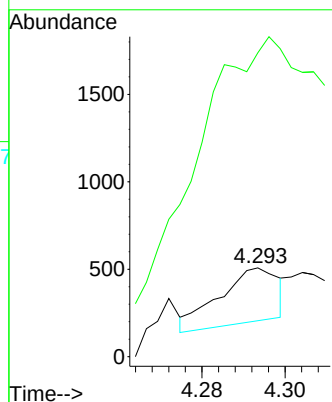
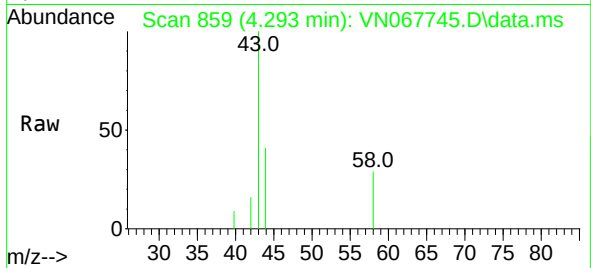




#15
Acetone
Concen: 0.697 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

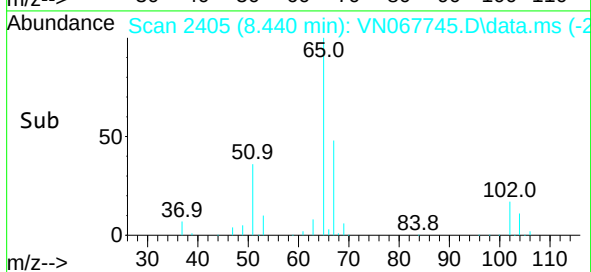
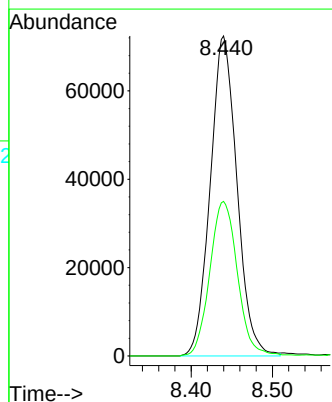
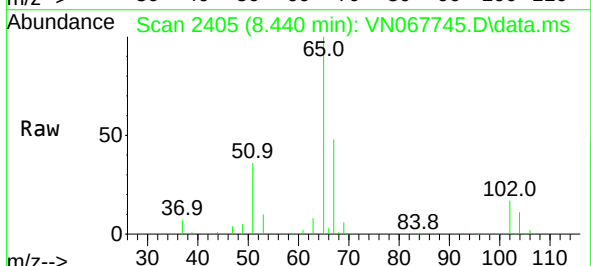
Instrument :
MSVOA_N
ClientSampleId :

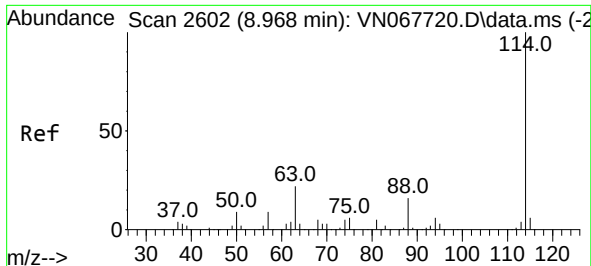
Tgt Ion: 58 Resp: 309
Ion Ratio Lower Upper
58 100
43 306.7 268.2 402.4



#27
1,2-Dichloroethane-d4
Concen: 33.308 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

Tgt Ion: 65 Resp: 165325
Ion Ratio Lower Upper
65 100
67 49.7 40.6 60.8

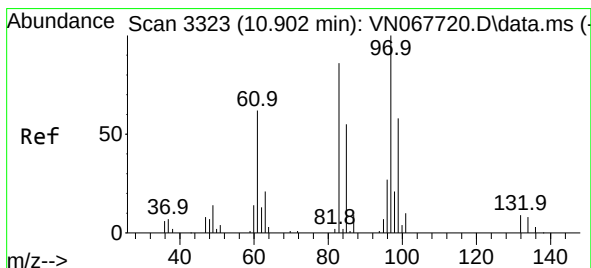
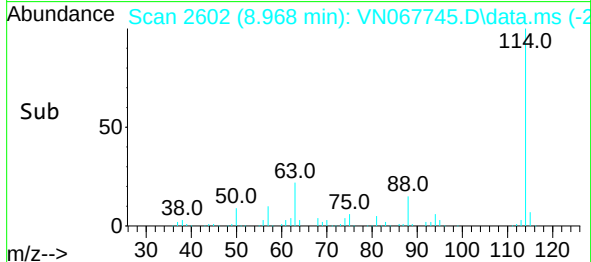
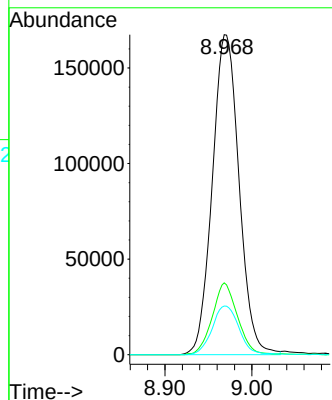
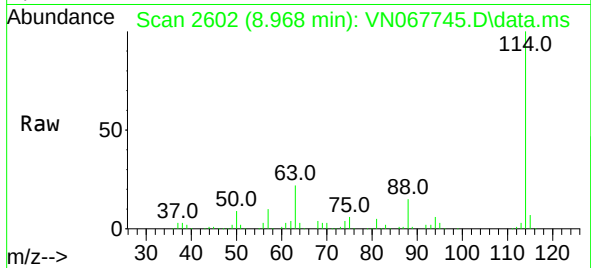




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN067745.D
 Acq: 14 Jul 2021 16:03

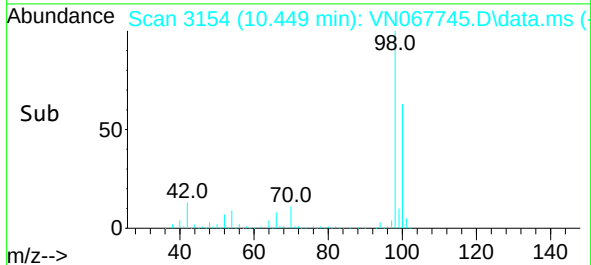
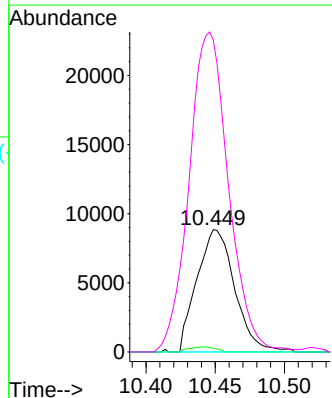
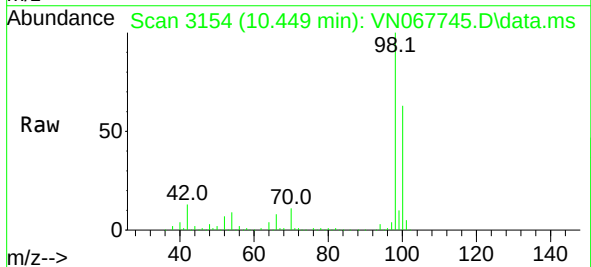
Instrument :
 MSVOA_N
 ClientSampled :

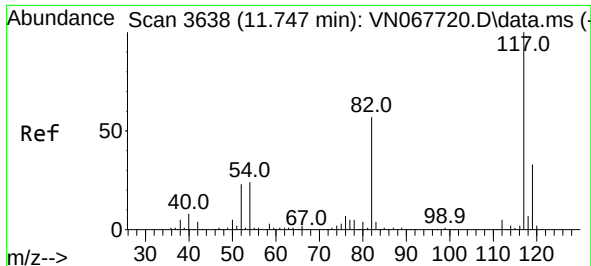
Tgt Ion:114 Resp: 357735
 Ion Ratio Lower Upper
 114 100
 63 21.1 17.2 25.8
 88 15.2 12.4 18.6



#50
 1,1,2-Trichloroethane
 Concen: 3.820 ug/l
 RT: 10.449 min Scan# 3154
 Delta R.T. -0.453 min
 Lab File: VN067745.D
 Acq: 14 Jul 2021 16:03

Tgt Ion: 97 Resp: 16772
 Ion Ratio Lower Upper
 97 100
 83 3.0 69.0 103.4#
 85 0.0 43.8 65.8#
 99 251.2 46.2 69.4#

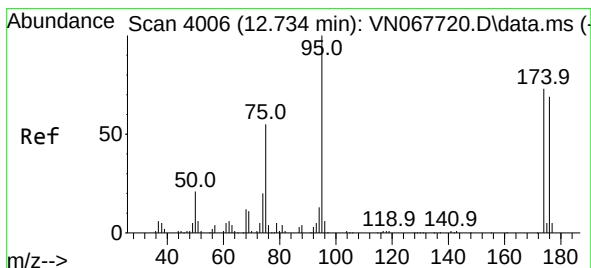
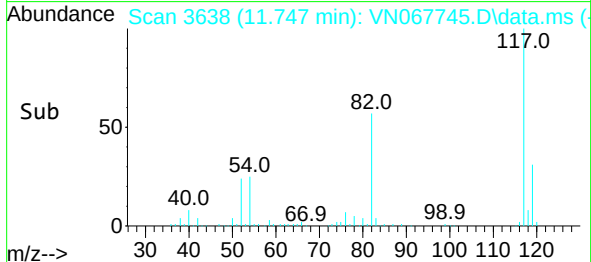
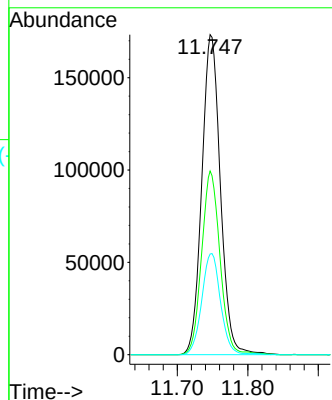
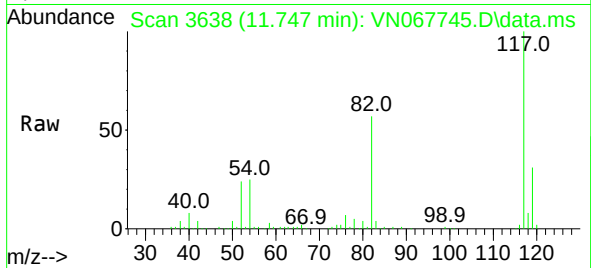




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

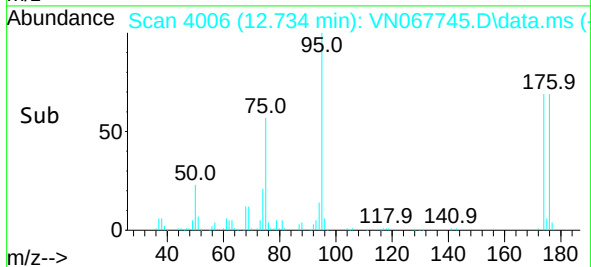
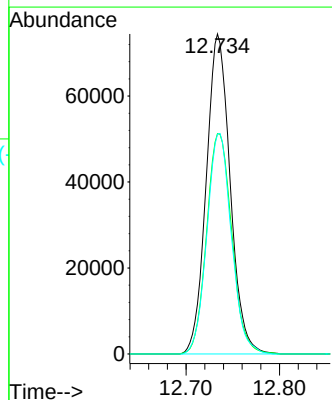
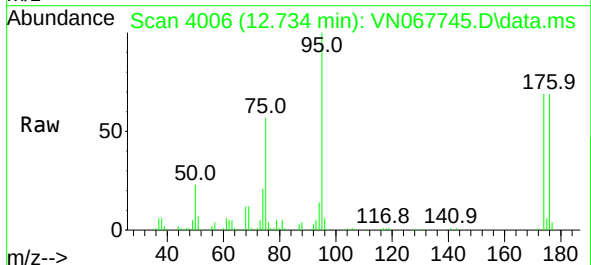
Instrument :
MSVOA_N
ClientSampleId :

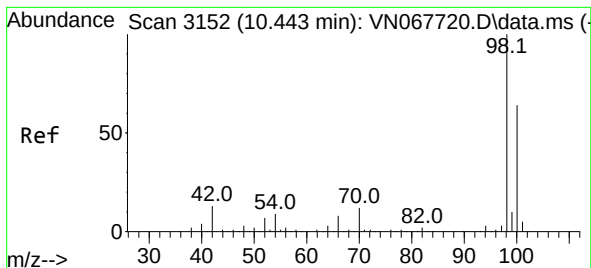
Tgt Ion:117 Resp: 317686
Ion Ratio Lower Upper
117 100
82 56.3 45.4 68.0
119 31.7 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 25.723 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

Tgt Ion: 95 Resp: 132712
Ion Ratio Lower Upper
95 100
174 72.5 57.1 85.7
176 70.6 54.6 81.8

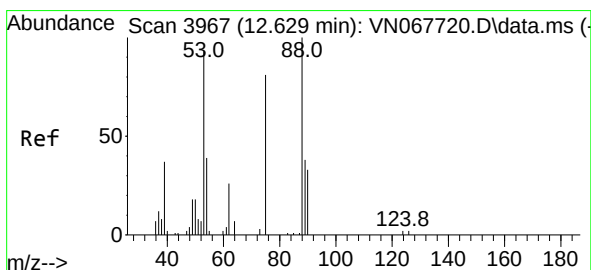
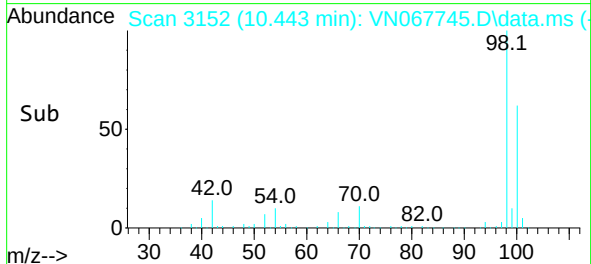
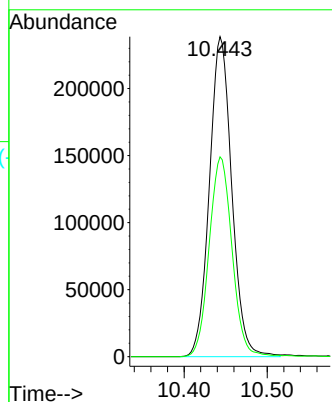
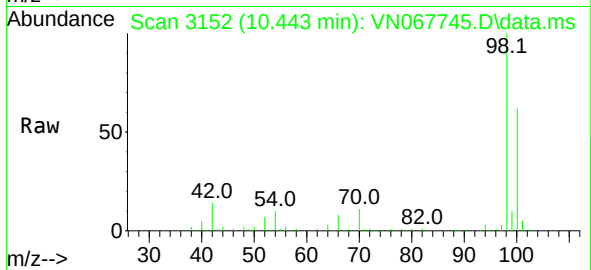




#63
Toluene-d8
Concen: 30.554 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

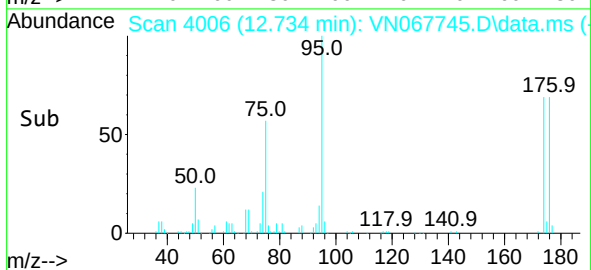
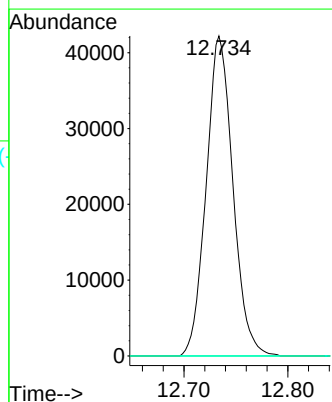
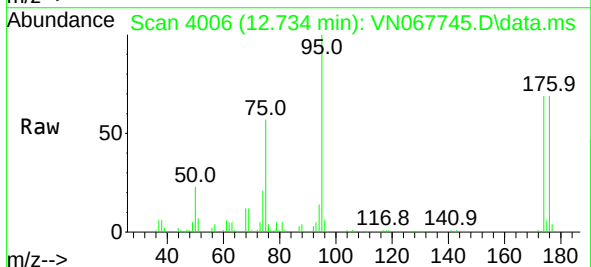
Instrument :
MSVOA_N
ClientSampled :

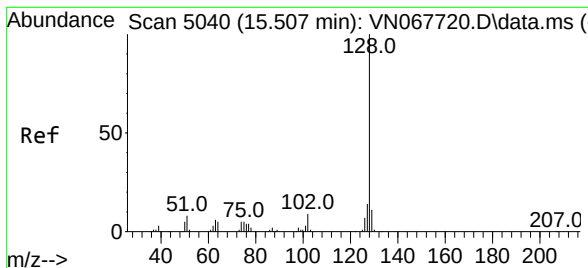
Tgt Ion: 98 Resp: 446457
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 47.155 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

Tgt Ion: 75 Resp: 75467
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#

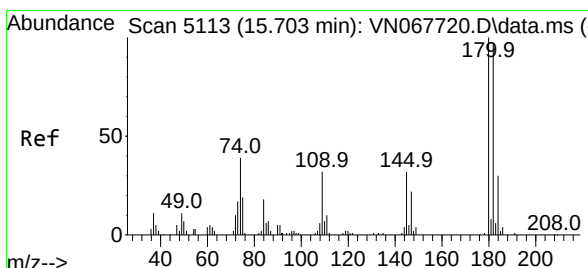
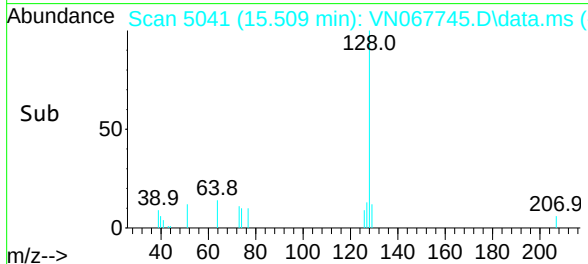
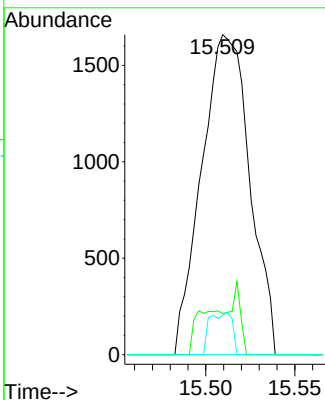
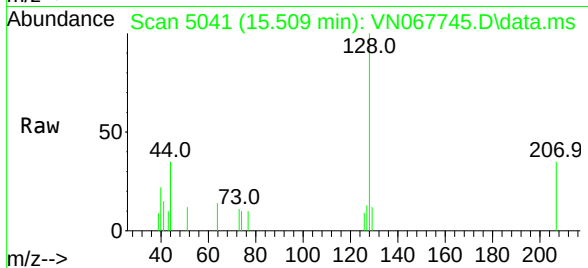




#91
Naphthalene
Concen: 0.293 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3125
Ion Ratio Lower Upper
128 100
127 4.0 10.9 16.3#
129 3.1 8.7 13.1#



#92
1,2,3-Trichlorobenzene
Concen: 0.240 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067745.D
Acq: 14 Jul 2021 16:03

Tgt Ion:180 Resp: 864
Ion Ratio Lower Upper
180 100
182 52.4 0.0 190.8
145 12.8 0.0 68.2

