

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071521\
 Data File : VN067761.D
 Acq On : 15 Jul 2021 13:57
 Operator : JC/MD
 Sample : M3058-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 16 03:01:18 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)

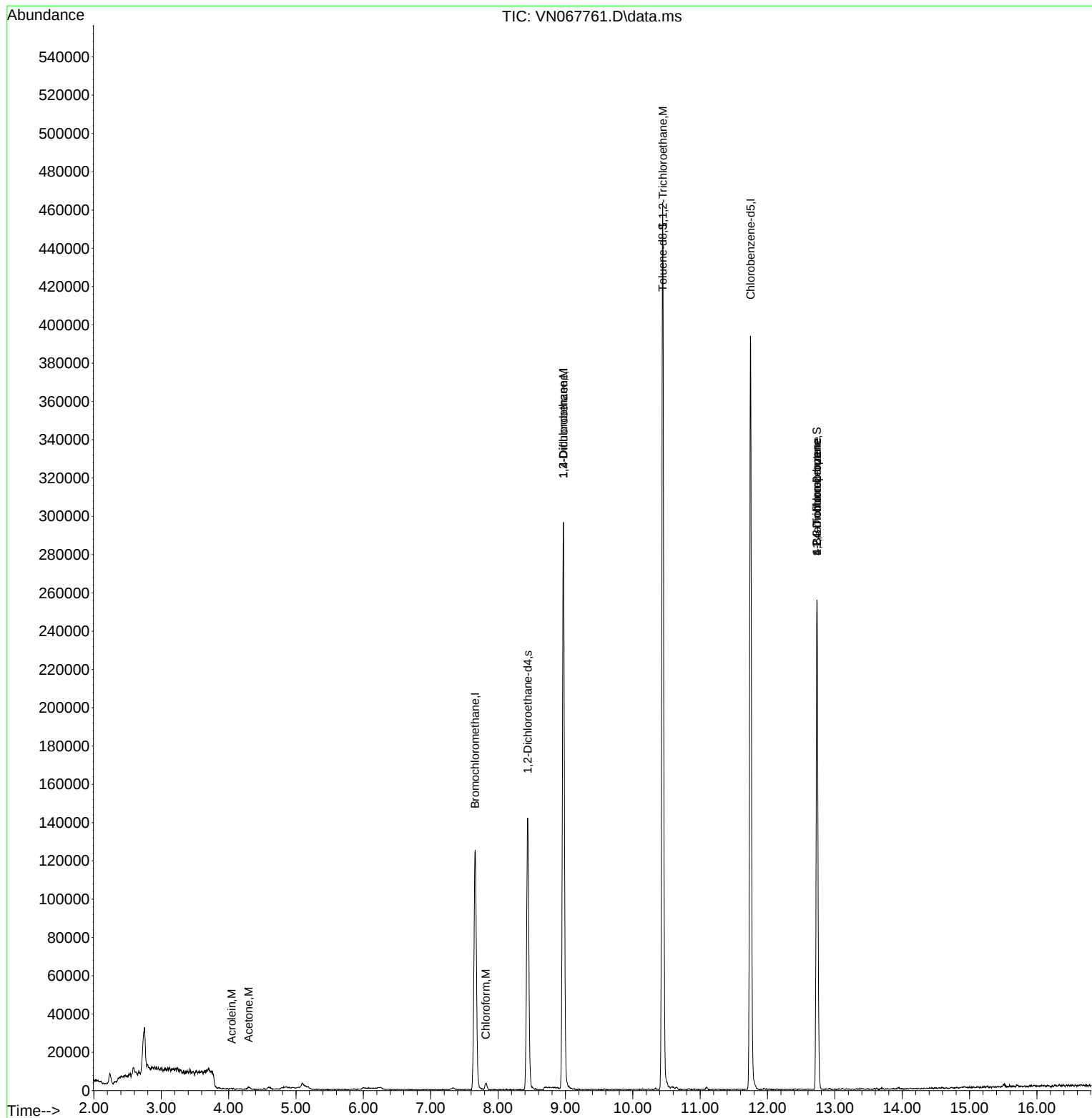
Internal Standards						
1) Bromochloromethane	7.657	128	44848	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	257145	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	225573	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	120397	33.229	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.767%#
60) 4-Bromofluorobenzene	12.733	95	91283	24.918	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.067%
63) Toluene-d8	10.443	98	322227	31.058	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.533%
Target Compounds						
					Qvalue	
13) Acrolein	4.044	56	161	0.518	ug/l #	22
15) Acetone	4.296	58	151	0.467	ug/l #	1
25) Chloroform	7.817	83	1224	0.221	ug/l	98
36) 1,2-Dichloroethane	8.968	62	10222	2.277	ug/l #	78
50) 1,1,2-Trichloroethane	10.448	97	12277	3.890	ug/l #	1
72) 1,2,3-Trichloropropane	12.733	75	52267	15.522	ug/l	1
77) t-1,4-Dichloro-2-butene	12.733	75	52267	45.995	ug/l #	4

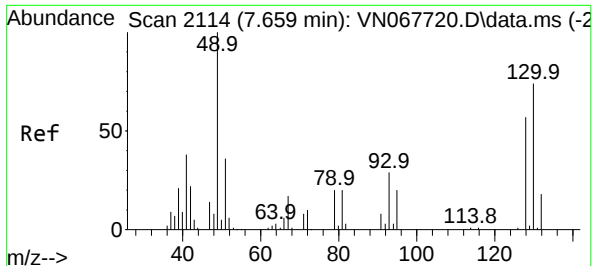
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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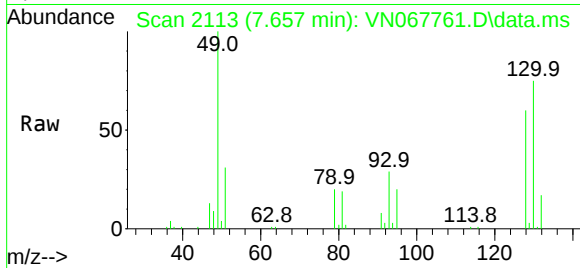
Quant Time: Jul 16 03:01:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 14 01:19:19 2021
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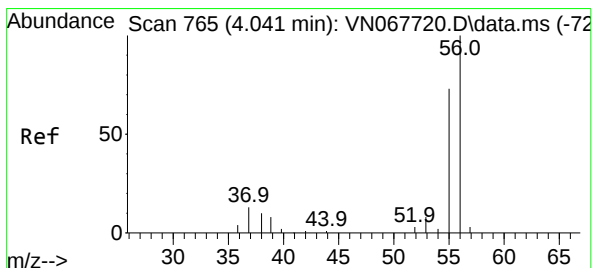
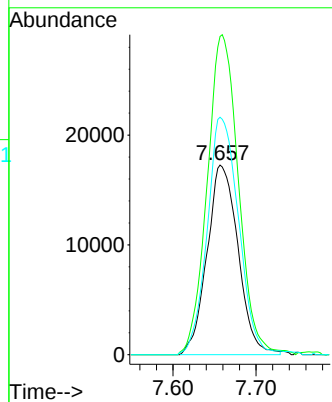
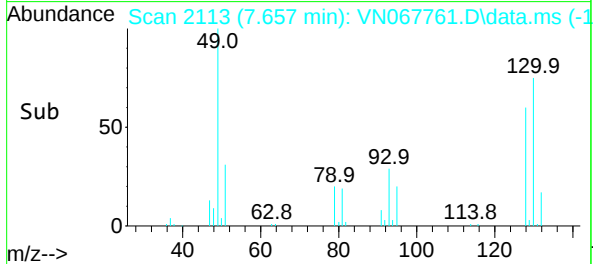


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 2113
Delta R.T. -0.002 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

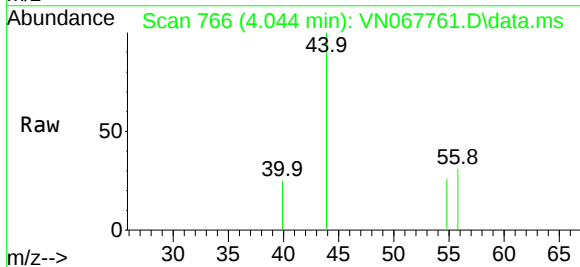
Instrument :
MSVOA_N
ClientSampled :



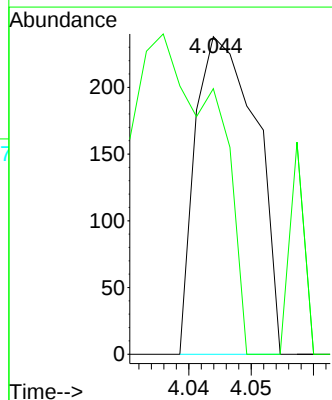
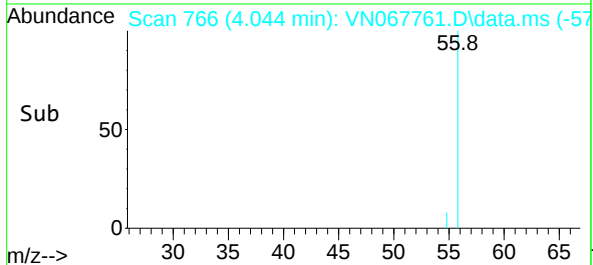
Tgt Ion:128 Resp: 44848
Ion Ratio Lower Upper
128 100
49 169.7 0.0 433.0
130 126.3 0.0 323.8

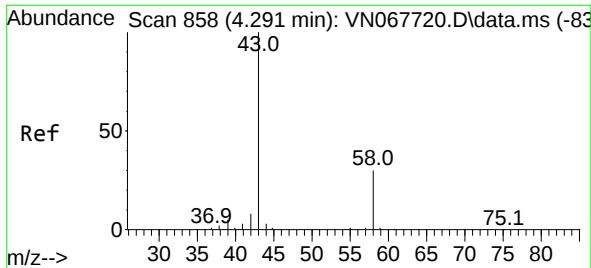


#13
Acrolein
Concen: 0.518 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57



Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 100.6 0.2 0.2#

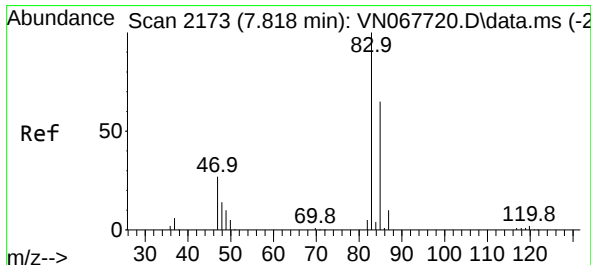
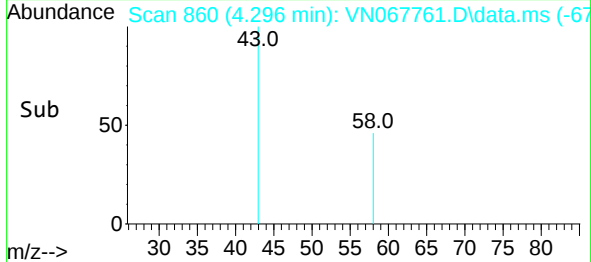
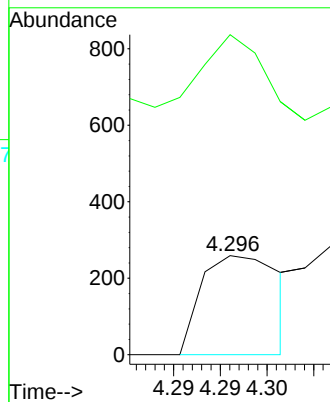
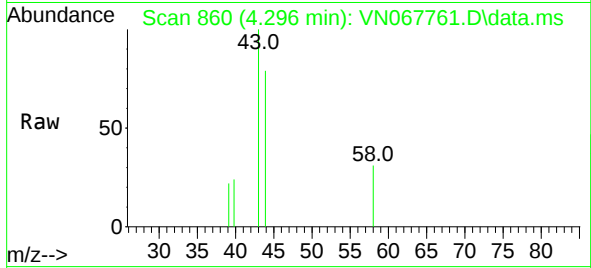




#15
Acetone
Concen: 0.467 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

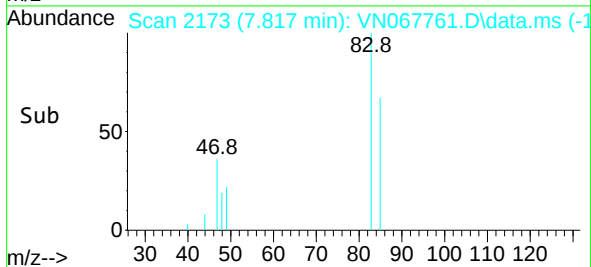
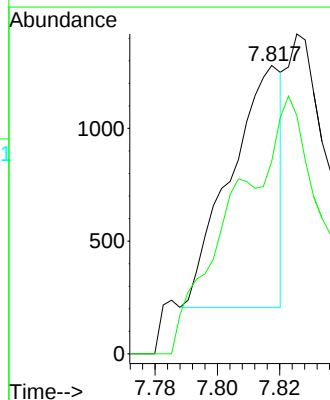
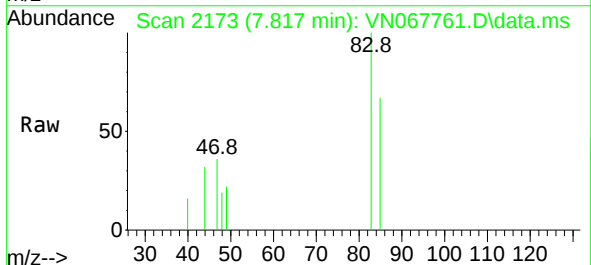
Instrument :
MSVOA_N
ClientSampled :

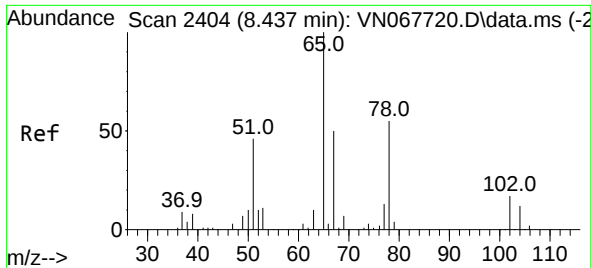
Tgt Ion: 58 Resp: 151
Ion Ratio Lower Upper
58 100
43 67.6 268.2 402.4#



#25
Chloroform
Concen: 0.221 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.000 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

Tgt Ion: 83 Resp: 1224
Ion Ratio Lower Upper
83 100
85 63.7 52.3 78.5



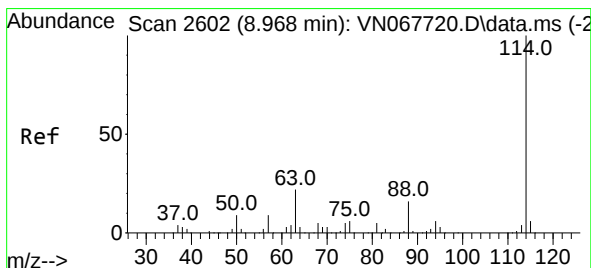
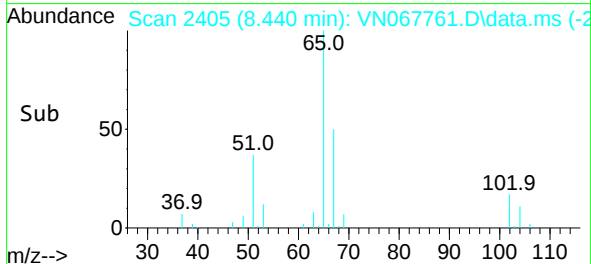
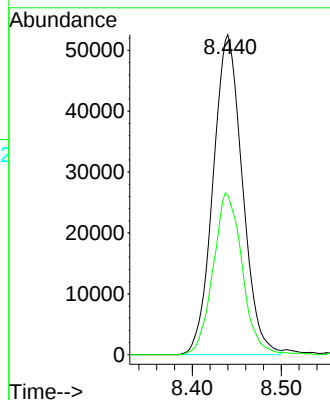
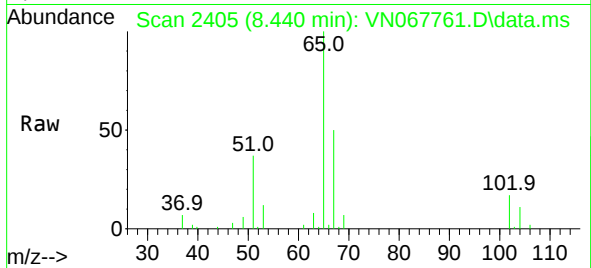


#27

1,2-Dichloroethane-d4
Concen: 33.229 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

Instrument :
MSVOA_N
ClientSampled :

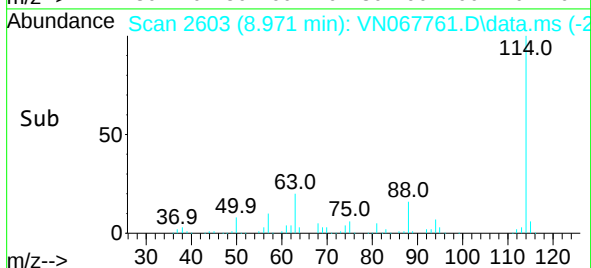
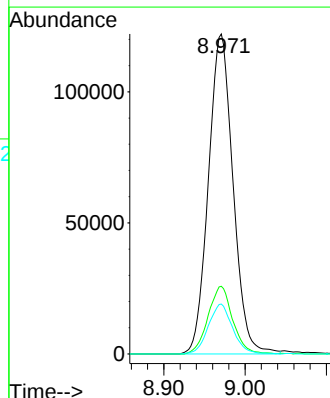
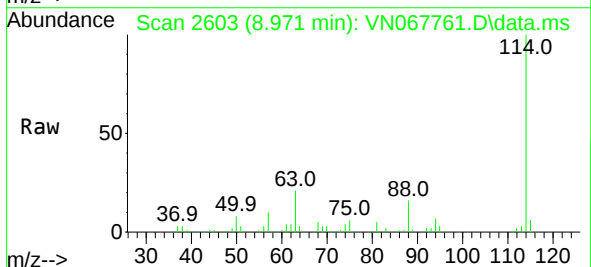
Tgt Ion: 65 Resp: 120397
Ion Ratio Lower Upper
65 100
67 49.8 40.6 60.8

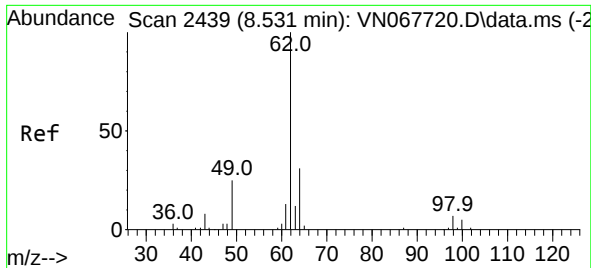


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

Tgt Ion: 114 Resp: 257145
Ion Ratio Lower Upper
114 100
63 21.1 17.2 25.8
88 15.3 12.4 18.6

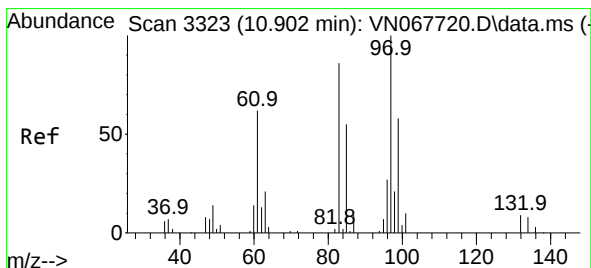
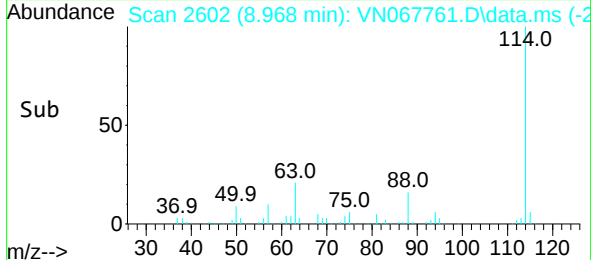
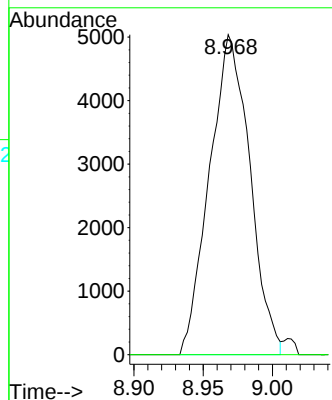
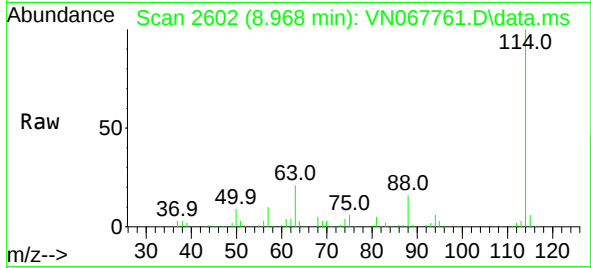




#36
1,2-Dichloroethane
Concen: 2.277 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.437 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

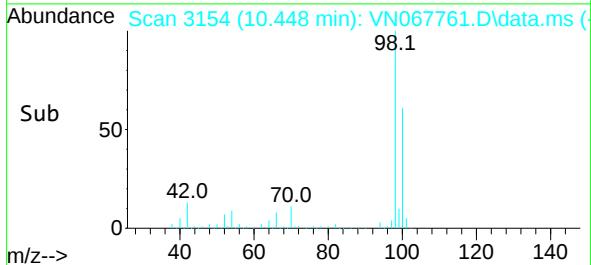
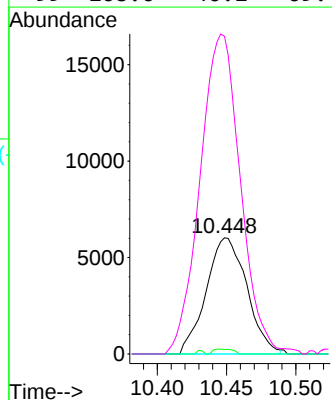
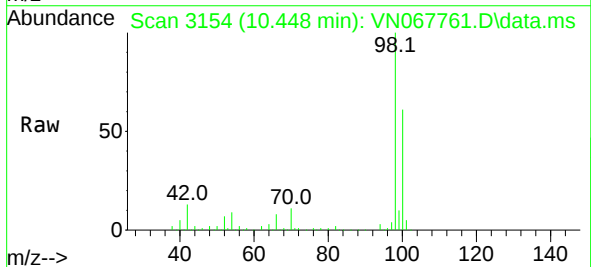
Instrument :
MSVOA_N
ClientSampled :

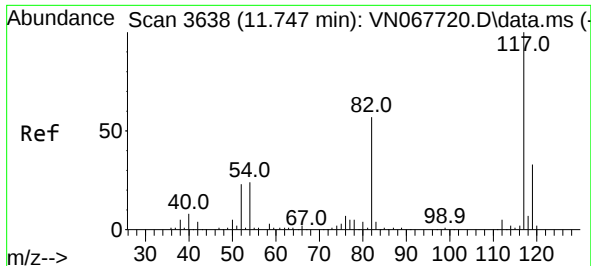
Tgt Ion: 62 Resp: 10222
Ion Ratio Lower Upper
62 100
98 0.0 6.2 9.2#



#50
1,1,2-Trichloroethane
Concen: 3.890 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.453 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

Tgt Ion: 97 Resp: 12277
Ion Ratio Lower Upper
97 100
83 3.8 69.0 103.4#
85 0.0 43.8 65.8#
99 268.6 46.2 69.4#

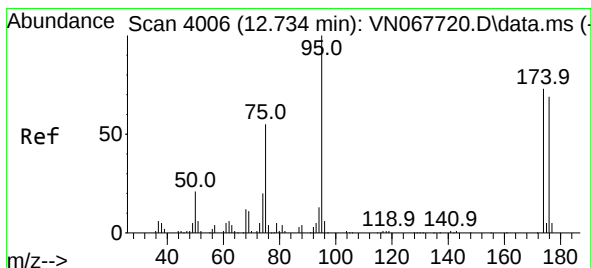
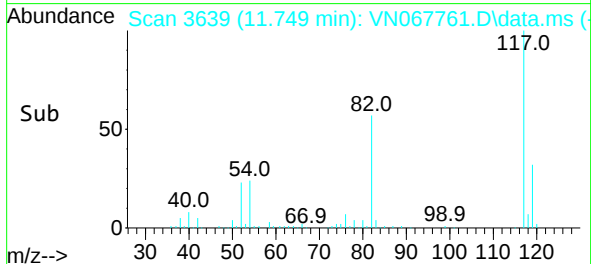
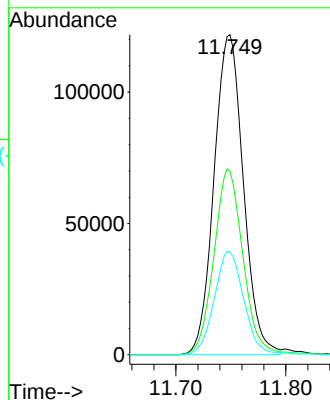
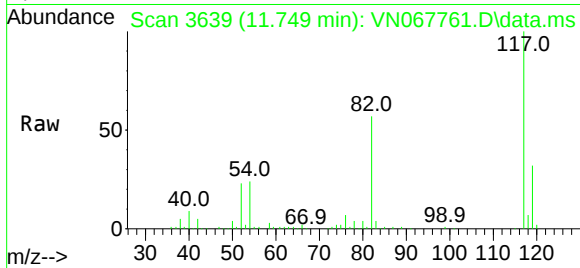




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

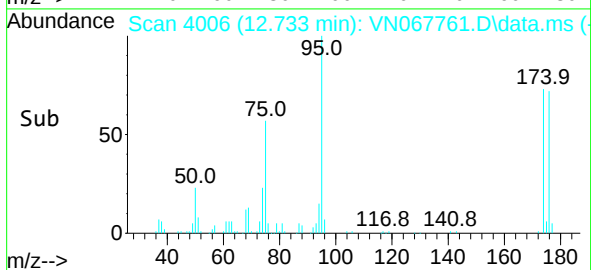
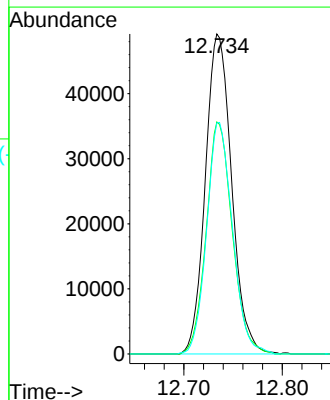
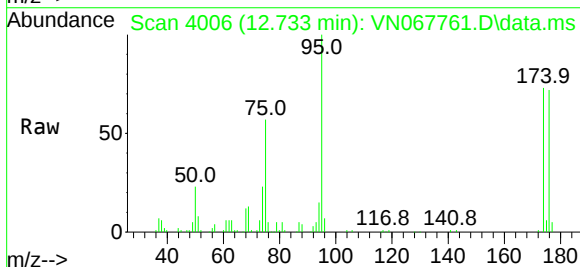
Instrument :
MSVOA_N
ClientSampleId :

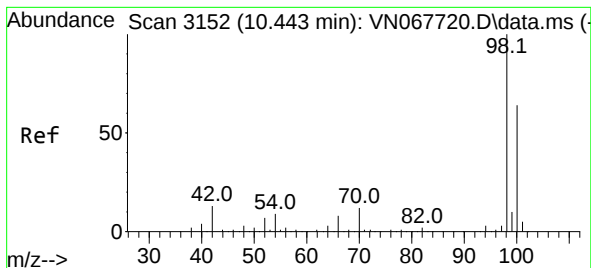
Tgt Ion:117 Resp: 225573
Ion Ratio Lower Upper
117 100
82 57.7 45.4 68.0
119 32.5 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 24.918 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

Tgt Ion: 95 Resp: 91283
Ion Ratio Lower Upper
95 100
174 71.8 57.1 85.7
176 71.0 54.6 81.8

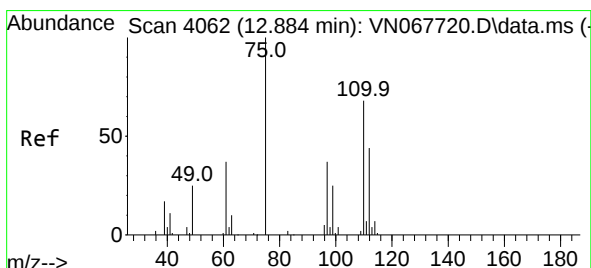
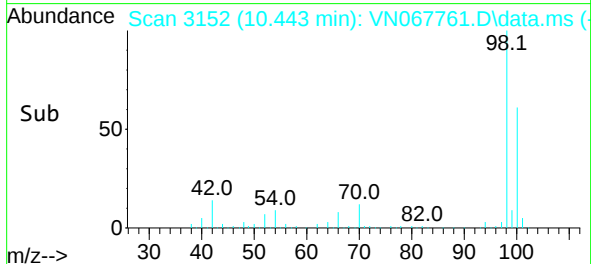
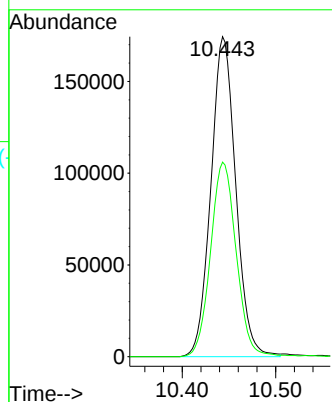
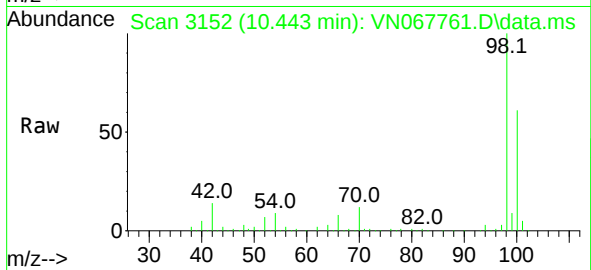




#63
Toluene-d8
Concen: 31.058 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

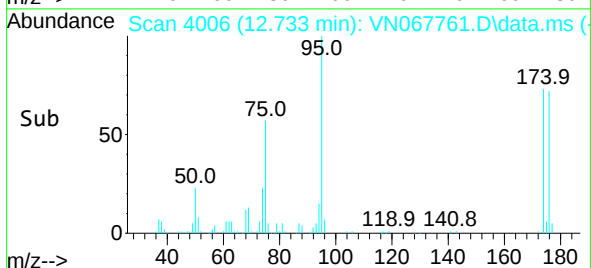
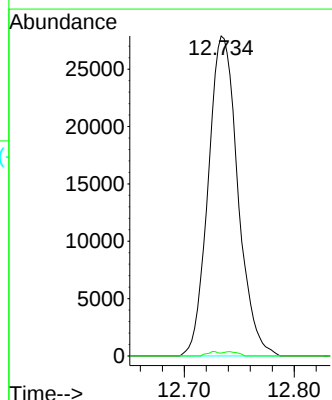
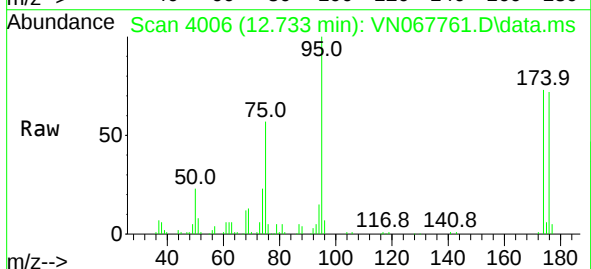
Instrument :
MSVOA_N
ClientSampled :

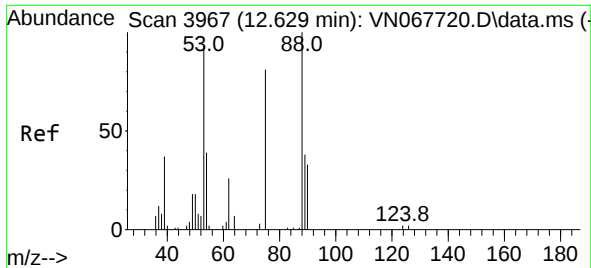
Tgt Ion: 98 Resp: 322227
Ion Ratio Lower Upper
98 100
100 62.5 51.0 76.4



#72
1,2,3-Trichloropropane
Concen: 15.522 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067761.D
Acq: 15 Jul 2021 13:57

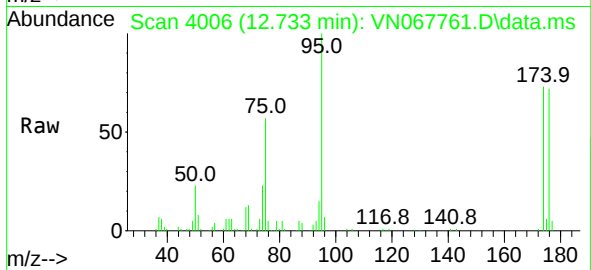
Tgt Ion: 75 Resp: 52267
Ion Ratio Lower Upper
75 100
77 0.6 0.0 365.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 45.995 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN067761.D
 Acq: 15 Jul 2021 13:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 52267
 Ion Ratio Lower Upper
 75 100
 53 0.0 57.0 171.0#
 89 0.0 24.7 74.1#

