

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067857.D
 Acq On : 22 Jul 2021 12:40
 Operator : JC/MD
 Sample : VN0722WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 07:12:30 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)

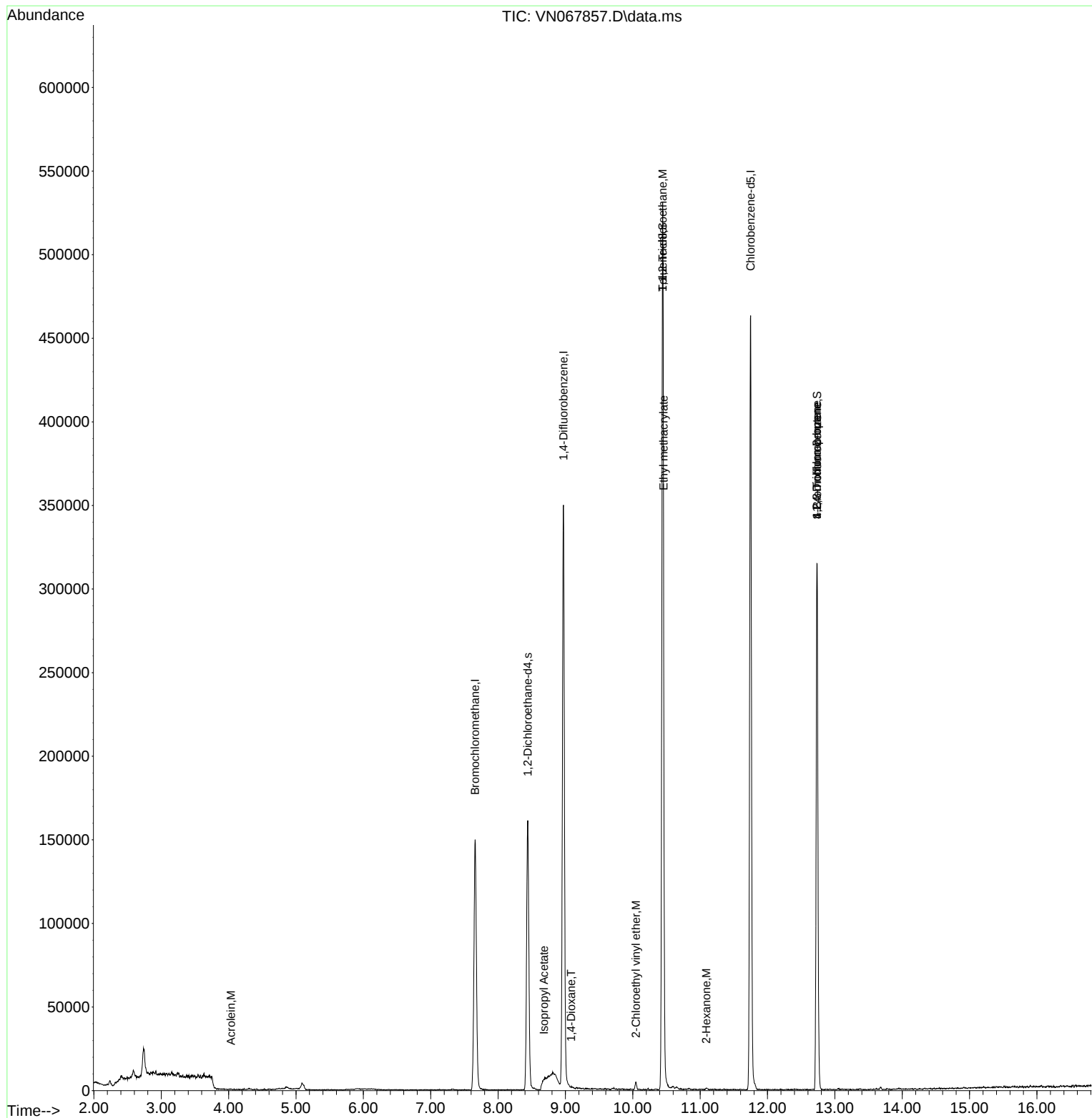
Internal Standards						
1) Bromochloromethane	7.659	128	52772	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	303969	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	271988	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	139064	32.618	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.733%
60) 4-Bromofluorobenzene	12.736	95	113636	25.726	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.767%
63) Toluene-d8	10.443	98	377159	30.149	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.500%
Target Compounds						
					Qvalue	
13) Acrolein	4.036	56	88	0.240	ug/l #	54
44) Isopropyl Acetate	8.681	43	5077	0.626	ug/l #	50
45) 1,4-Dioxane	9.086	88	60	0.977	ug/l #	1
50) 1,1,2-Trichloroethane	10.443	97	6704	1.797	ug/l #	1
51) Ethyl methacrylate	10.456	69	1194	0.206	ug/l	84
55) 2-Chloroethyl vinyl ether	10.046	63	1897	1.691	ug/l #	81
59) 2-Hexanone	11.089	43	1012	0.309	ug/l #	48
72) 1,2,3-Trichloropropane	12.733	75	64163	15.803	ug/l	1
77) t-1,4-Dichloro-2-butene	12.733	75	64163	46.828	ug/l #	4

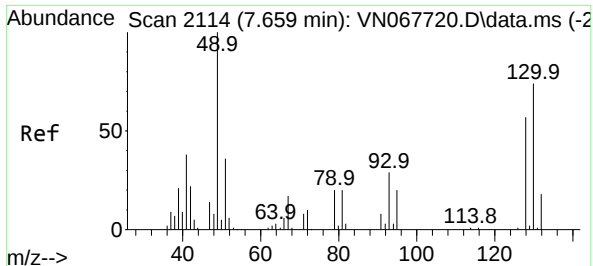
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: Jul 24 07:12:30 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

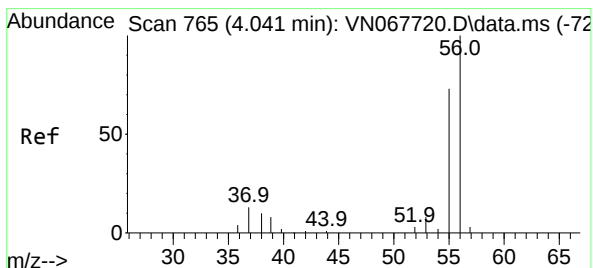
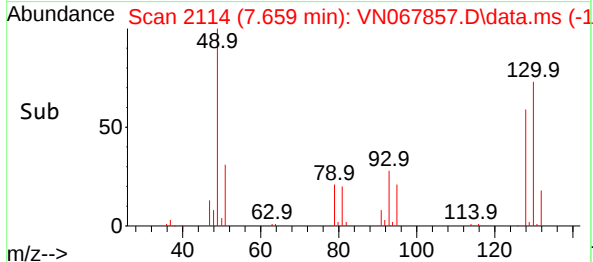
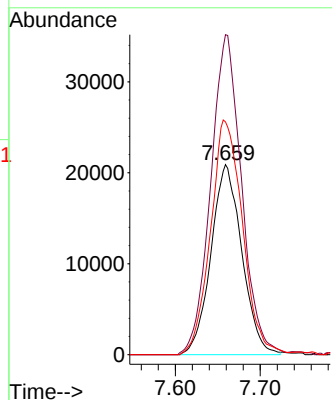
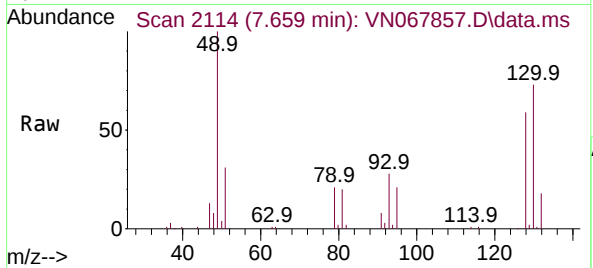




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

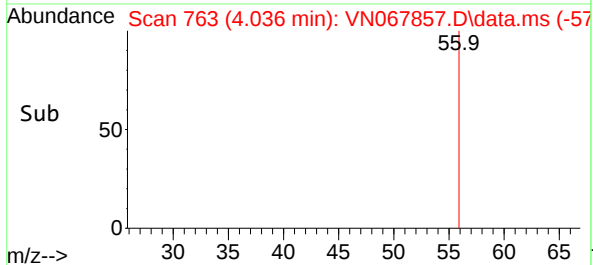
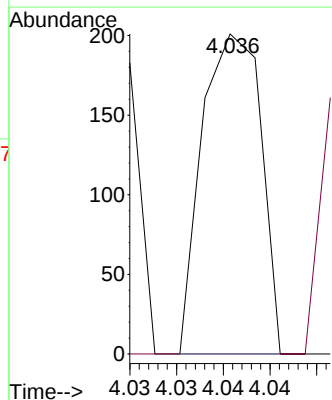
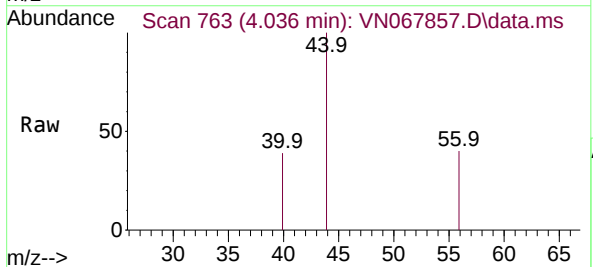
Instrument :
MSVOA_N
ClientSampleId :

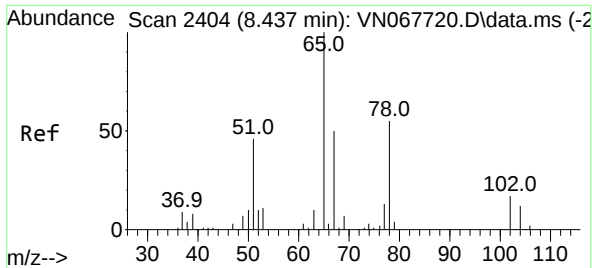
Tgt Ion:128 Resp: 52772
Ion Ratio Lower Upper
128 100
49 167.9 0.0 433.0
130 127.9 0.0 323.8



#13
Acrolein
Concen: 0.240 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.006 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 59.1 0.2 0.2#



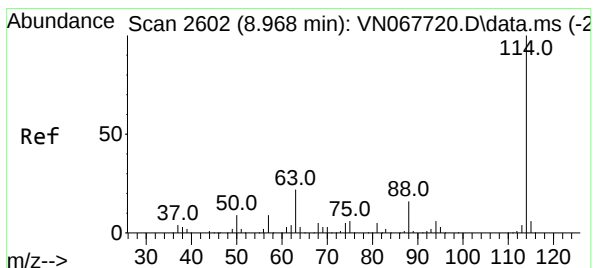
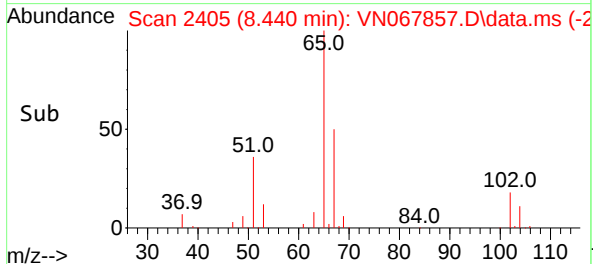
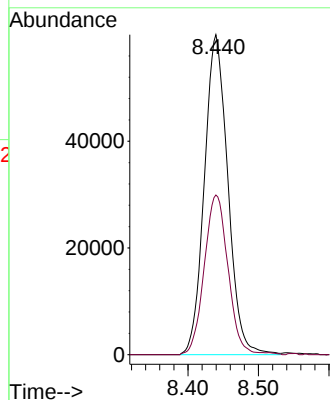
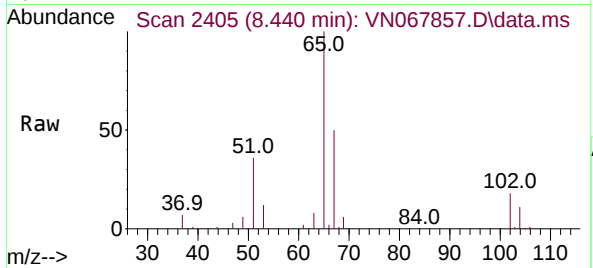


#27

1,2-Dichloroethane-d4
Concen: 32.618 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.002 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

Instrument :
MSVOA_N
ClientSampled :

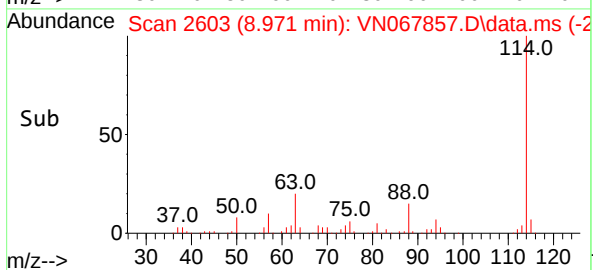
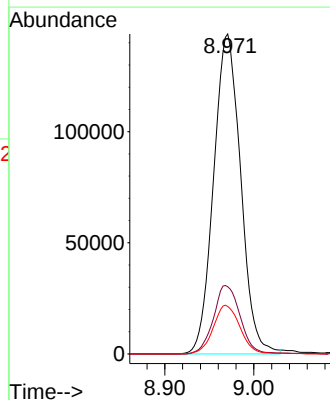
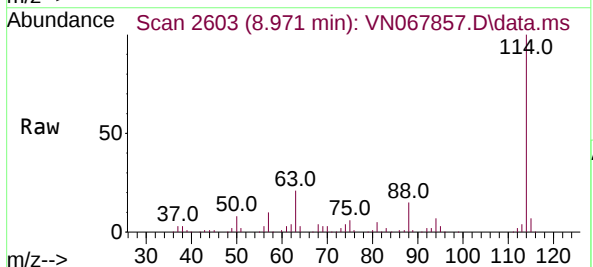
Tgt Ion: 65 Resp: 139064
Ion Ratio Lower Upper
65 100
67 50.2 40.6 60.8

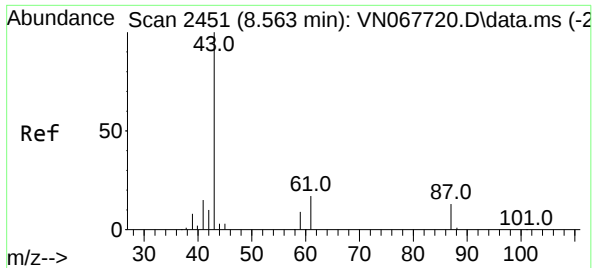


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.002 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

Tgt Ion: 114 Resp: 303969
Ion Ratio Lower Upper
114 100
63 21.2 17.2 25.8
88 15.1 12.4 18.6

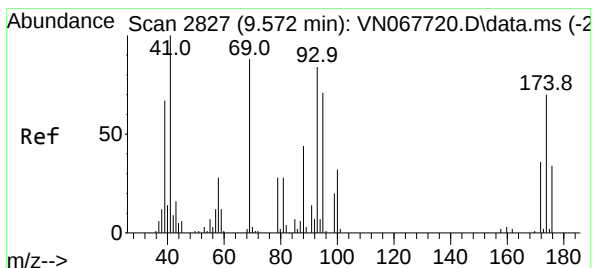
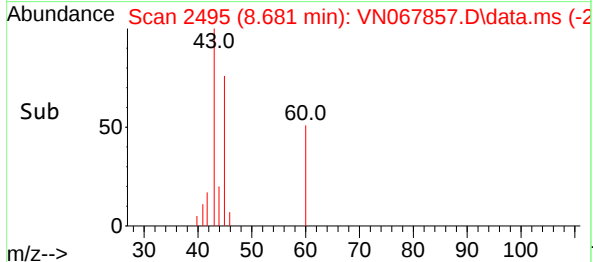
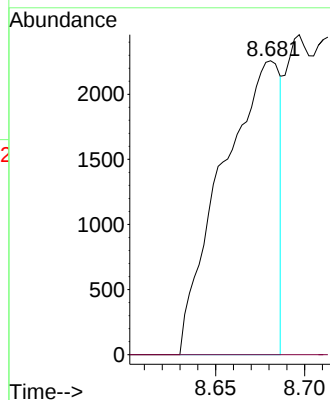
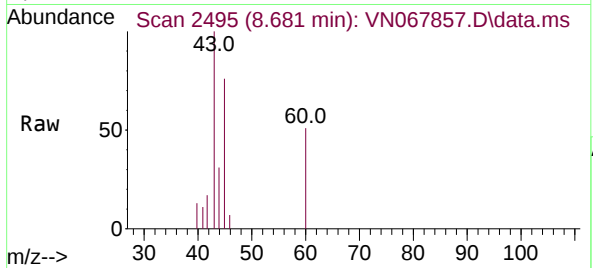




#44
Isopropyl Acetate
Concen: 0.626 ug/l
RT: 8.681 min Scan# 2495
Delta R.T. 0.118 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

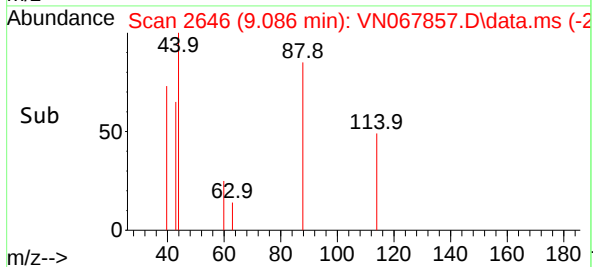
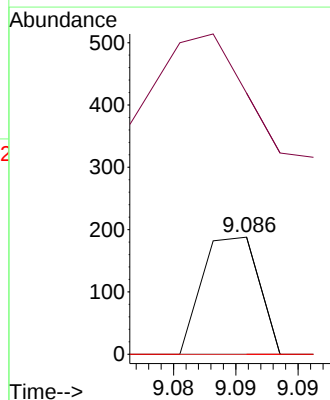
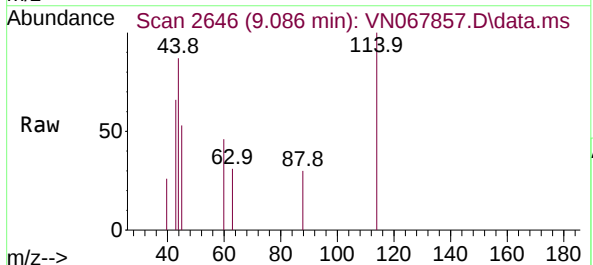
Instrument :
MSVOA_N
ClientSampled :

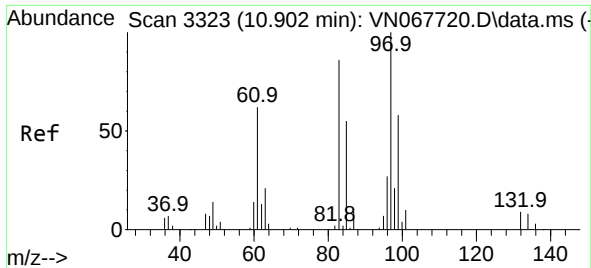
Tgt Ion: 43 Resp: 5077
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#



#45
1,4-Dioxane
Concen: 0.977 ug/l
RT: 9.086 min Scan# 2646
Delta R.T. -0.486 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 131.7 26.9 40.3#
58 0.0 52.2 78.4#

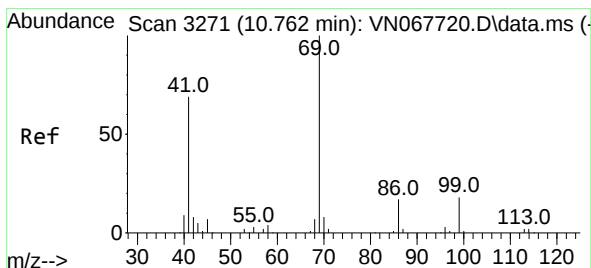
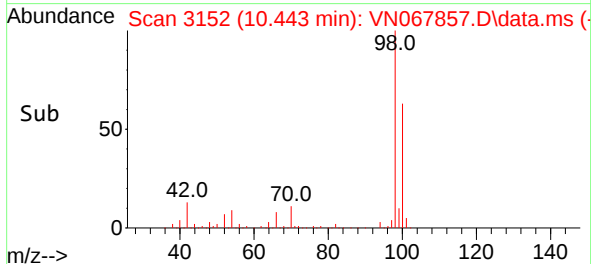
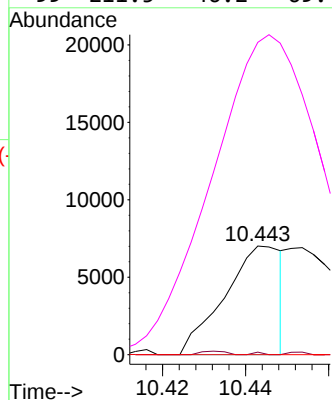
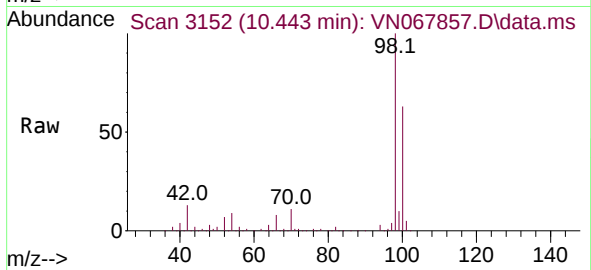




#50
1,1,2-Trichloroethane
Concen: 1.797 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.459 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

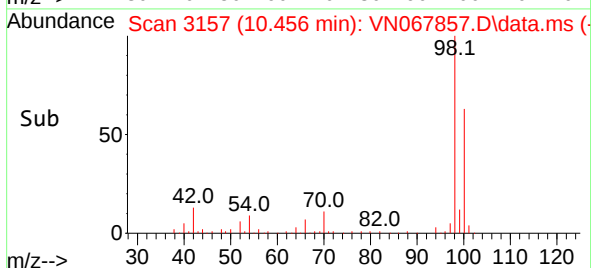
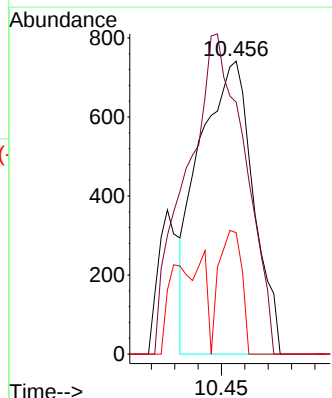
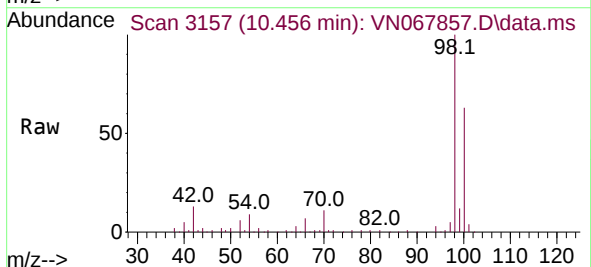
Instrument :
MSVOA_N
ClientSampleId :

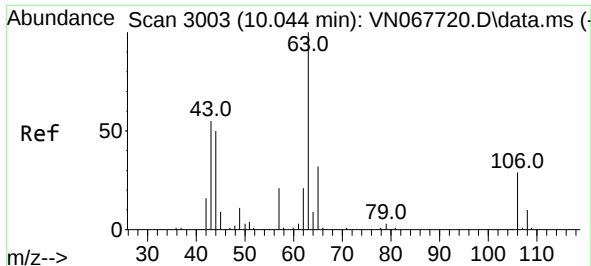
Tgt Ion:	97	Resp:	6704
Ion	Ratio	Lower	Upper
97	100		
83	2.3	69.0	103.4#
85	0.0	43.8	65.8#
99	211.5	46.2	69.4#



#51
Ethyl methacrylate
Concen: 0.206 ug/l
RT: 10.456 min Scan# 3157
Delta R.T. -0.306 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

Tgt Ion:	69	Resp:	1194
Ion	Ratio	Lower	Upper
69	100		
41	86.0	34.3	102.9
39	41.4	23.7	71.1

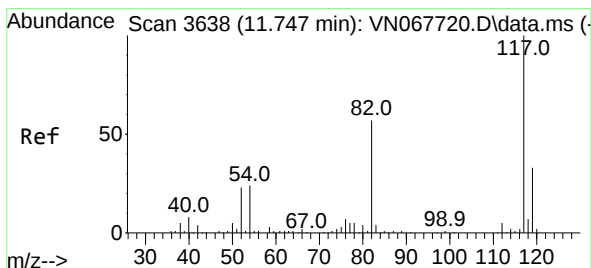
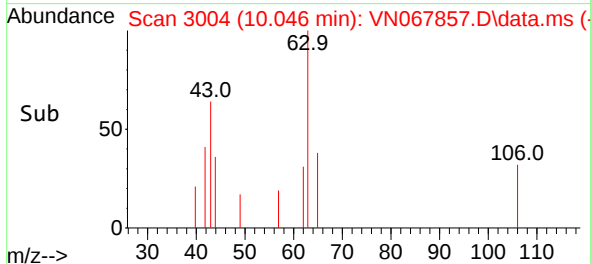
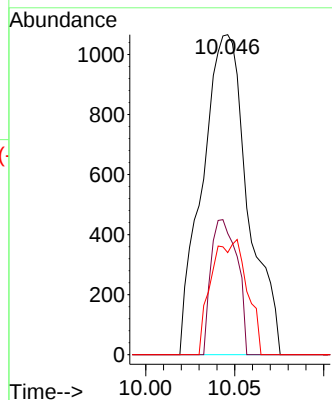
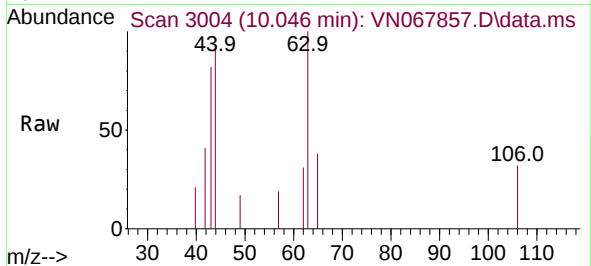




#55
2-Chloroethyl vinyl ether
Concen: 1.691 ug/l
RT: 10.046 min Scan# 3004
Delta R.T. 0.002 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

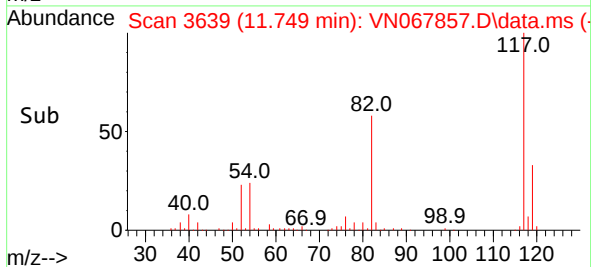
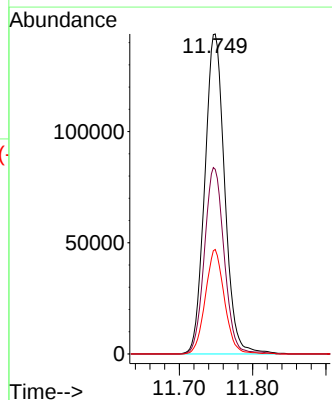
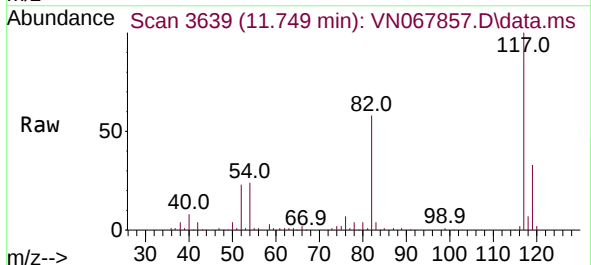
Instrument :
MSVOA_N
ClientSampled :

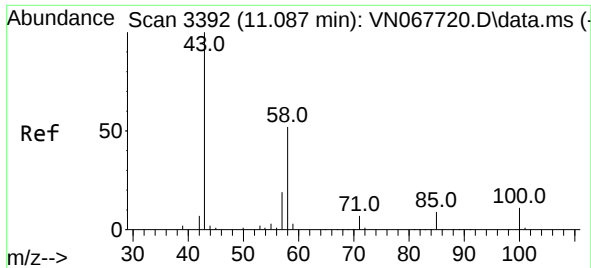
Tgt Ion: 63	Resp: 1897
Ion Ratio	Lower Upper
63	100
65	24.2 25.5 38.3#
106	14.6 22.1 33.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

Tgt Ion: 117	Resp: 271988
Ion Ratio	Lower Upper
117	100
82	57.5 45.4 68.0
119	31.3 25.7 38.5

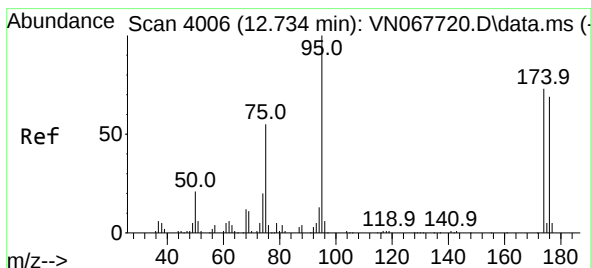
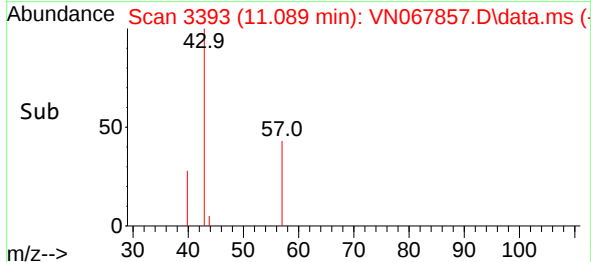
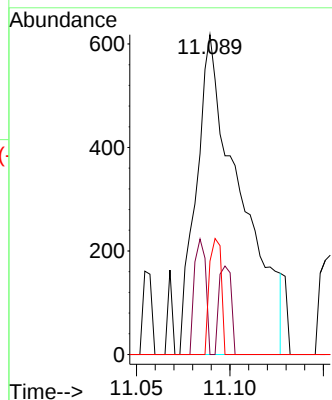
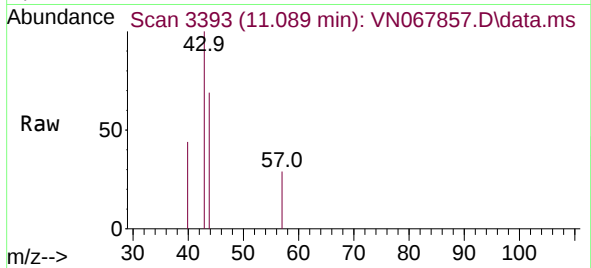




#59
2-Hexanone
Concen: 0.309 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

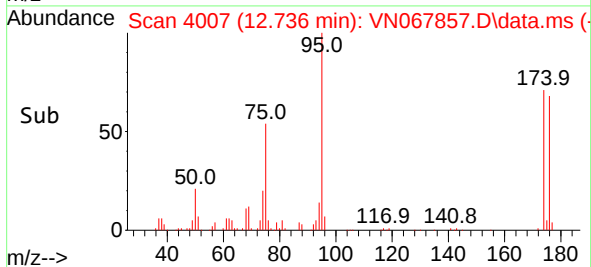
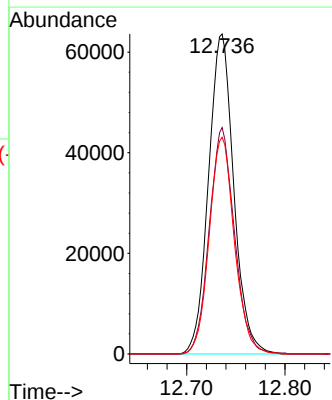
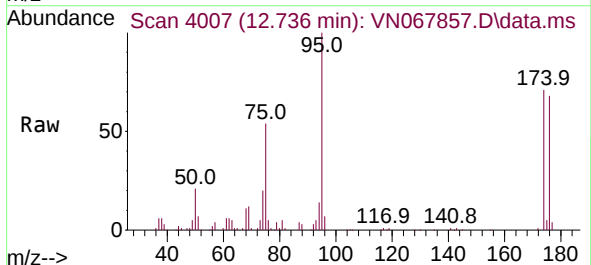
Instrument :
MSVOA_N
ClientSampleId :

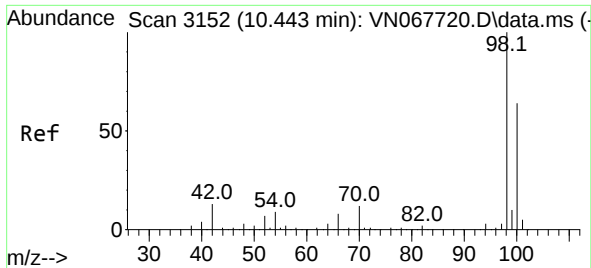
Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
58 7.7 41.5 62.3#
57 9.8 15.1 22.7#



#60
4-Bromofluorobenzene
Concen: 25.726 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

Tgt Ion: 95 Resp: 113636
Ion Ratio Lower Upper
95 100
174 70.7 57.1 85.7
176 67.5 54.6 81.8

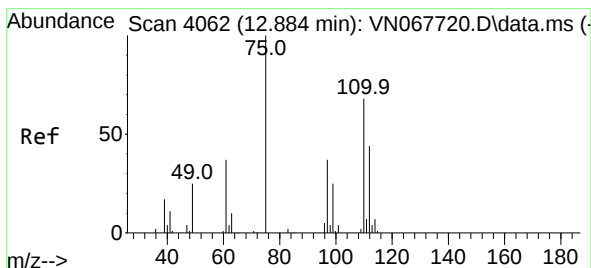
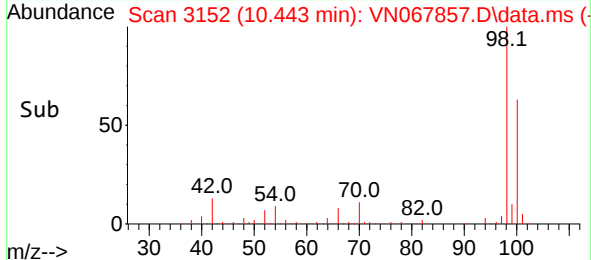
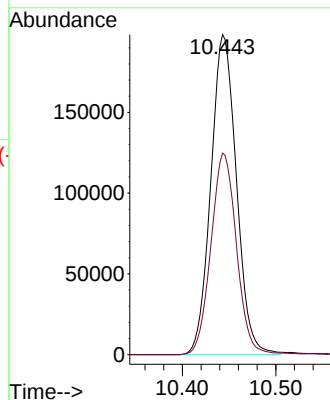
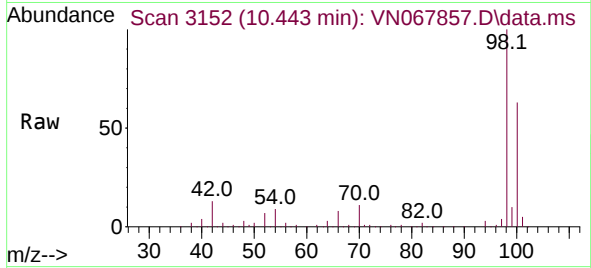




#63
Toluene-d8
Concen: 30.149 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

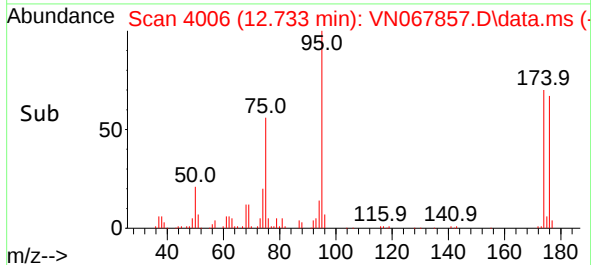
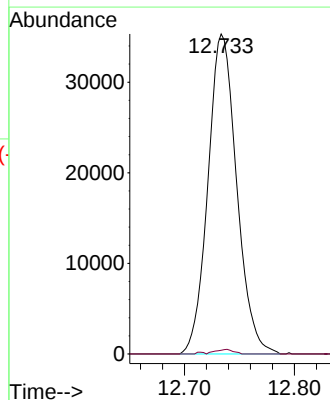
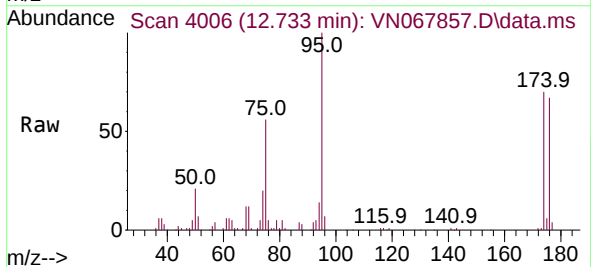
Instrument :
MSVOA_N
ClientSampled :

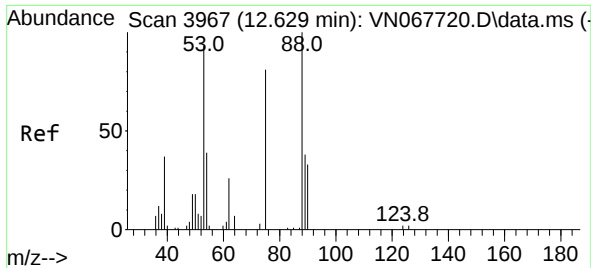
Tgt Ion: 98 Resp: 377159
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.4



#72
1,2,3-Trichloropropane
Concen: 15.803 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

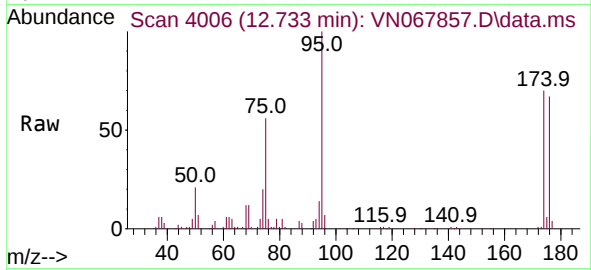
Tgt Ion: 75 Resp: 64163
Ion Ratio Lower Upper
75 100
77 0.9 0.0 365.2





#77
t-1,4-Dichloro-2-butene
Concen: 46.828 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067857.D
Acq: 22 Jul 2021 12:40

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 64163
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#

