

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067685.D
 Acq On : 9 Jul 2021 15:02
 Operator : JC/MD
 Sample : M2975-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-21-WW-TSF-028

Quant Time: Jul 10 05:19:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

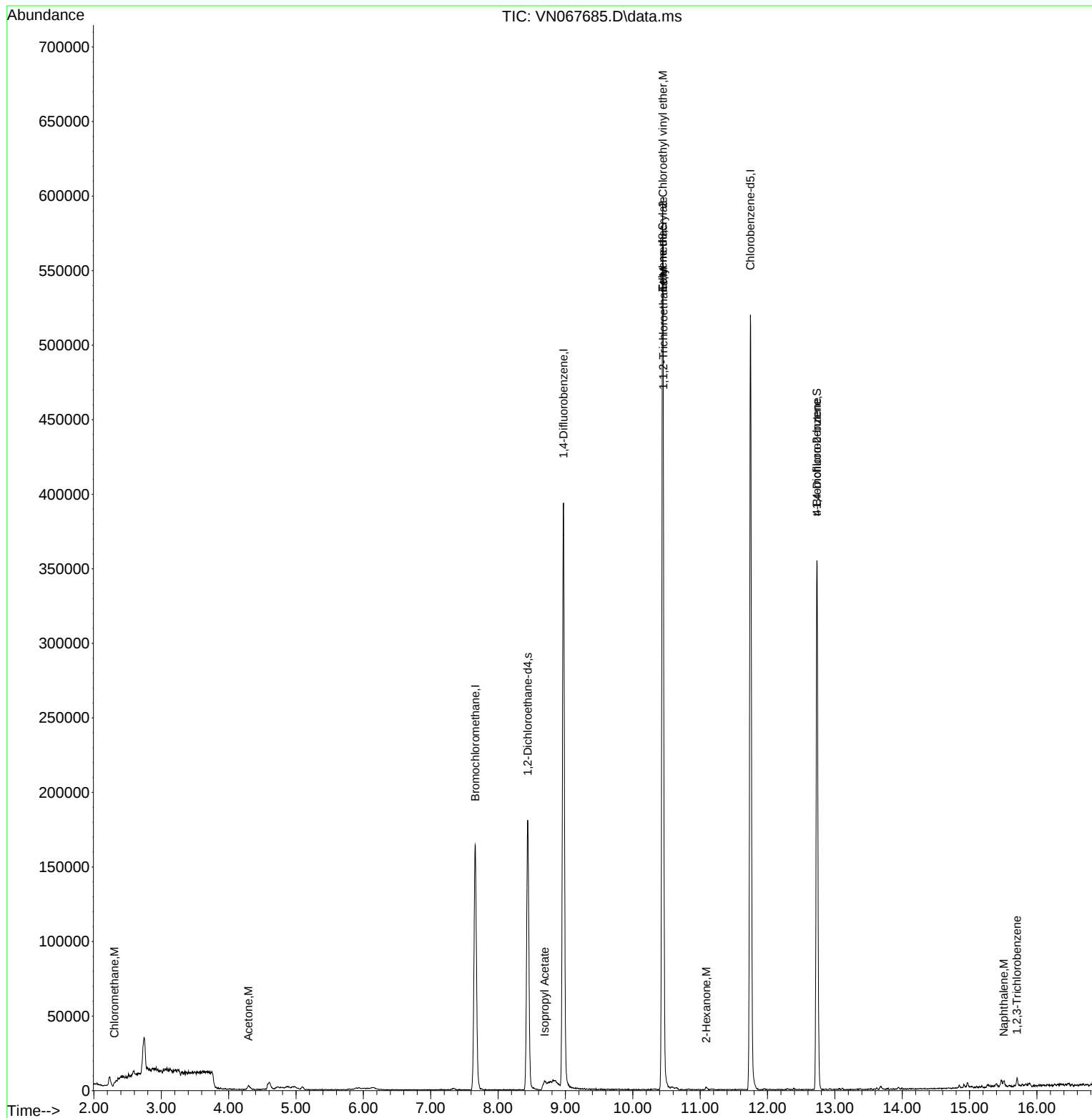
Internal Standards						
1) Bromochloromethane	7.662	128	56560	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	338115	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	290682	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	157737	34.512	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	115.033%#
60) 4-Bromofluorobenzene	12.734	95	123161	26.045	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.800%
63) Toluene-d8	10.443	98	412649	31.024	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	976	0.231	ug/l	100
15) Acetone	4.293	58	409	1.066	ug/l #	11
44) Isopropyl Acetate	8.692	43	3768	0.405	ug/l #	52
50) 1,1,2-Trichloroethane	10.454	97	15999	3.750	ug/l #	1
51) Ethyl methacrylate	10.446	69	1732	0.258	ug/l	88
55) 2-Chloroethyl vinyl ether	10.448	63	313	0.219	ug/l #	1
59) 2-Hexanone	11.092	43	1467	0.416	ug/l #	80
77) t-1,4-Dichloro-2-butene	12.734	75	72806	47.587	ug/l #	6
91) Naphthalene	15.507	128	3754	0.374	ug/l #	82
92) 1,2,3-Trichlorobenzene	15.702	180	923	0.297	ug/l	77

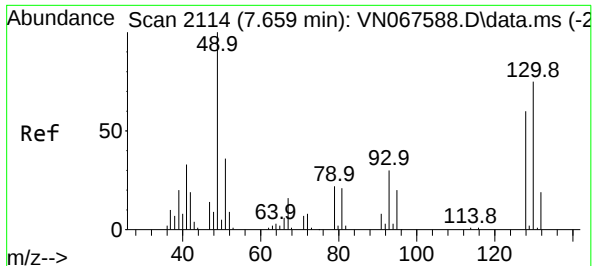
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 01 12:09:22 2021
Response via : Initial Calibration

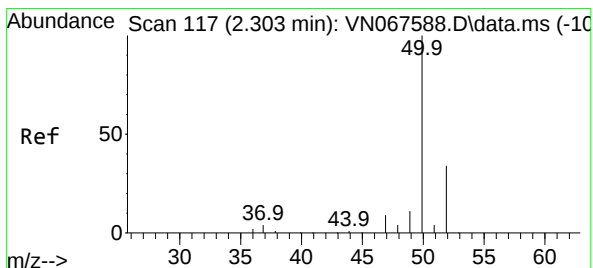
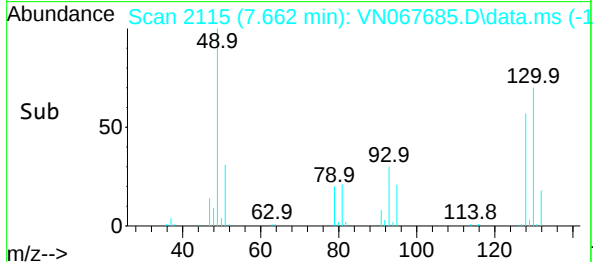
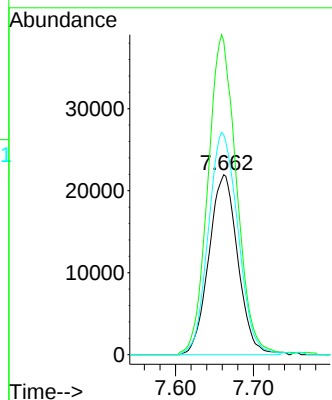
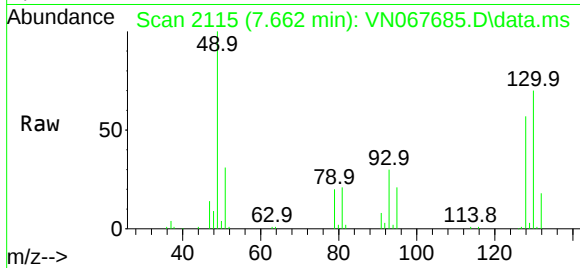




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

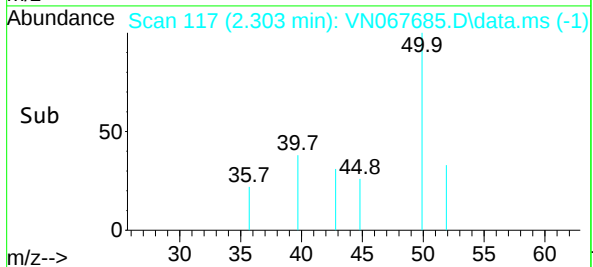
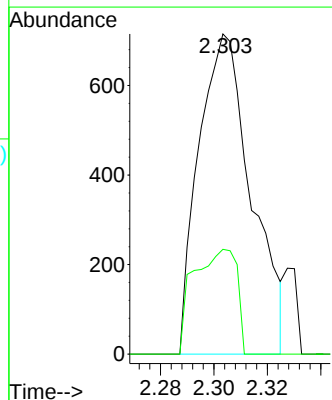
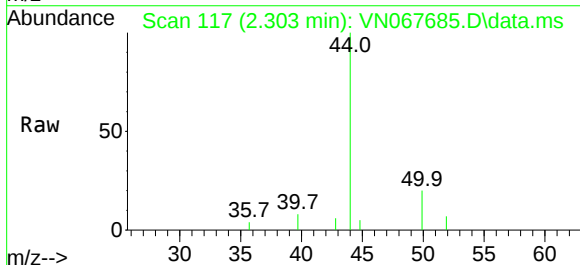
Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-028

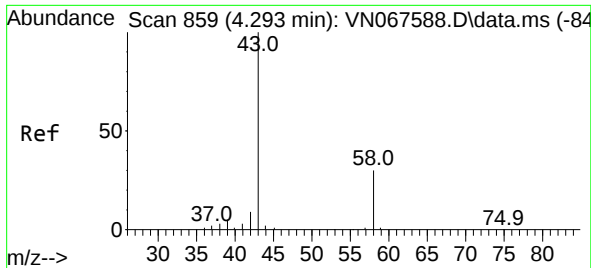
Tgt Ion:128 Resp: 56560
Ion Ratio Lower Upper
128 100
49 175.3 0.0 517.5
130 126.8 0.0 325.8



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

Tgt Ion: 50 Resp: 976
Ion Ratio Lower Upper
50 100
52 32.7 26.0 39.0

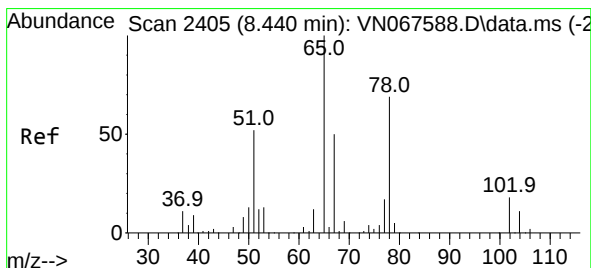
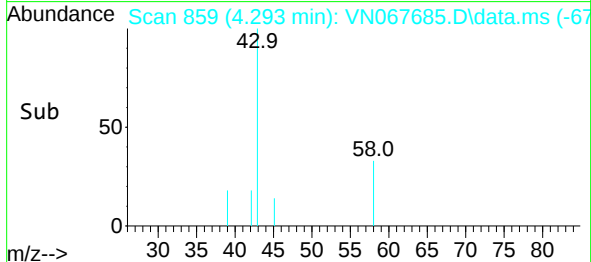
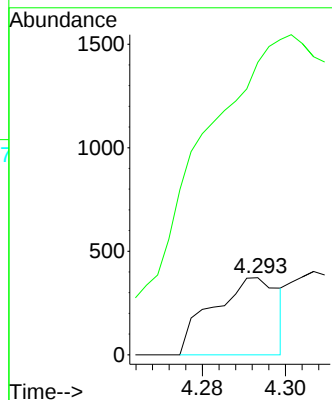
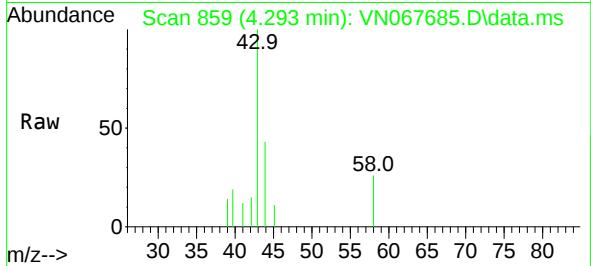




#15
Acetone
Concen: 1.066 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.000 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

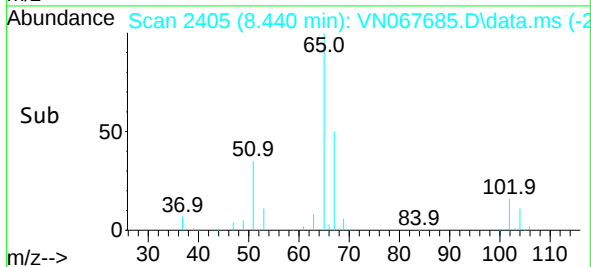
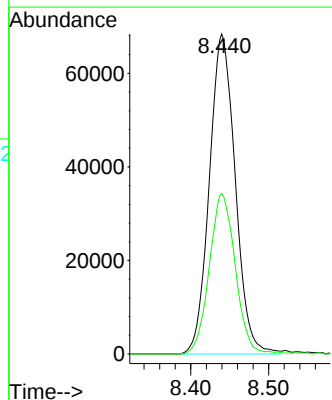
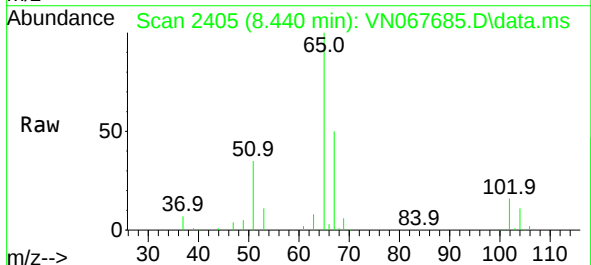
Instrument :
MSVOA_N
ClientSampleId :
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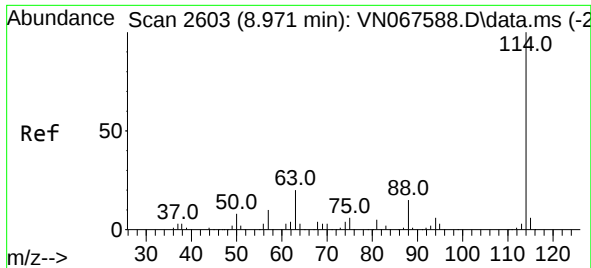
Tgt Ion: 58 Resp: 409
Ion Ratio Lower Upper
58 100
43 165.3 289.6 434.4#



#27
1,2-Dichloroethane-d4
Concen: 34.512 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

Tgt Ion: 65 Resp: 157737
Ion Ratio Lower Upper
65 100
67 49.9 39.8 59.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.000 min

Lab File: VN067685.D

Acq: 9 Jul 2021 15:02

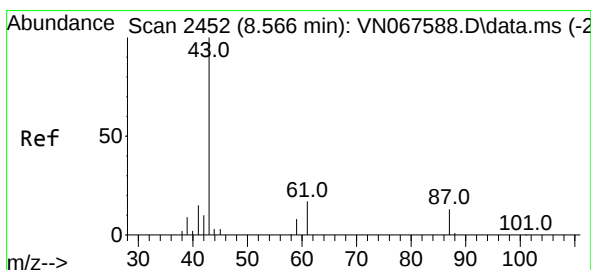
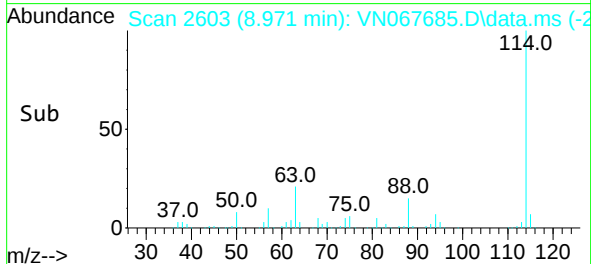
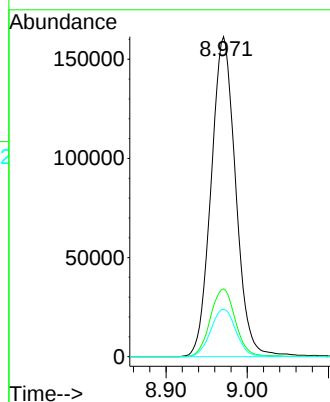
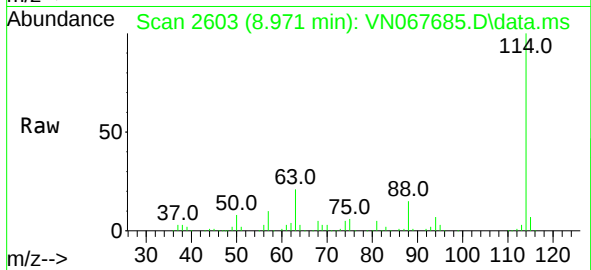
Tgt Ion:114 Resp: 338115

Ion Ratio Lower Upper

114 100

63 21.6 20.3 30.5

88 15.3 14.6 22.0



#44

Isopropyl Acetate

Concen: 0.405 ug/l

RT: 8.692 min Scan# 2499

Delta R.T. 0.126 min

Lab File: VN067685.D

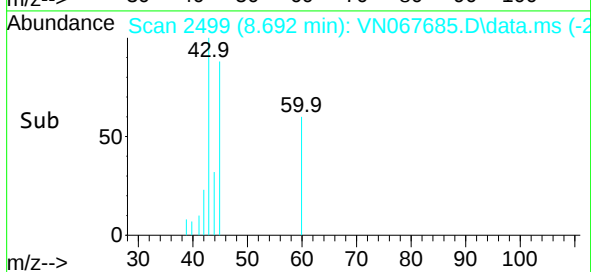
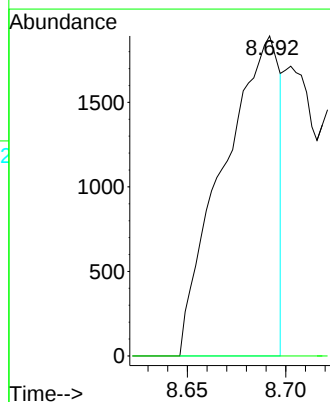
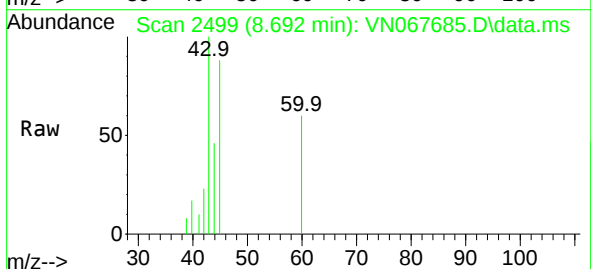
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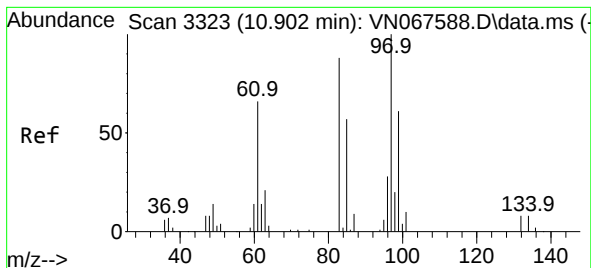
Tgt Ion: 43 Resp: 3768

Ion Ratio Lower Upper

43 100

61 0.0 19.0 28.6#

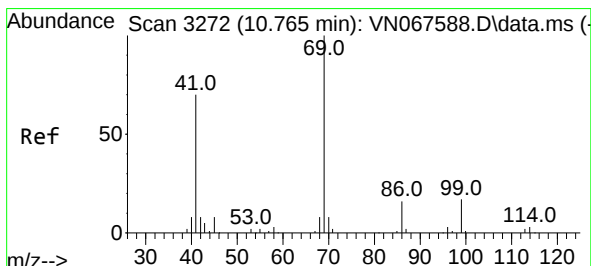
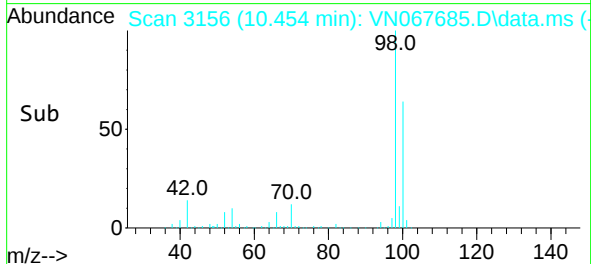
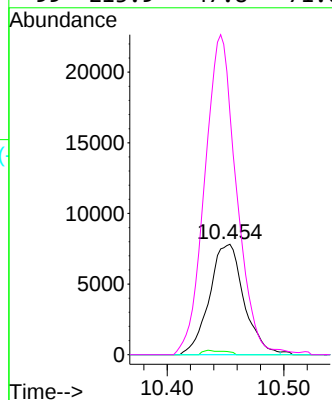
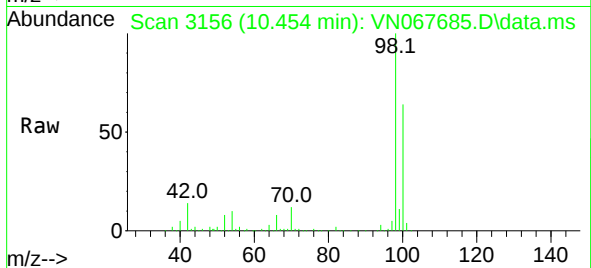




#50
1,1,2-Trichloroethane
Concen: 3.750 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.448 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

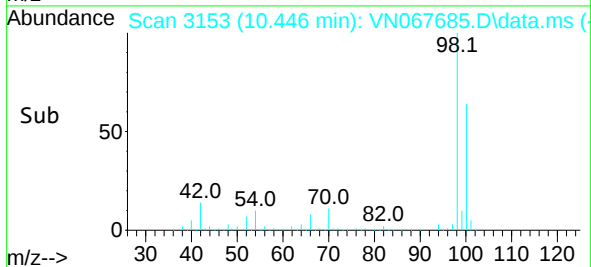
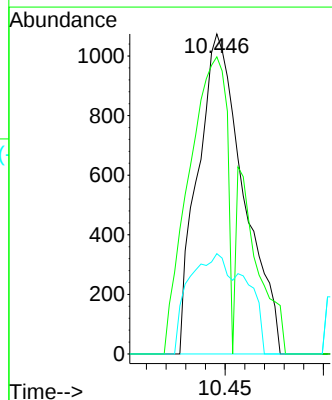
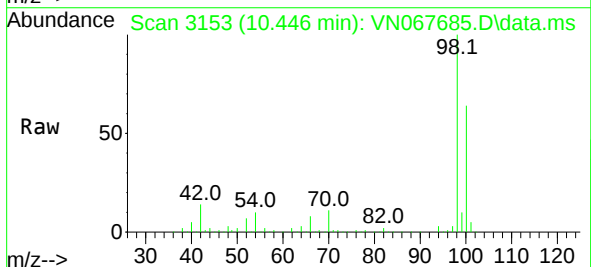
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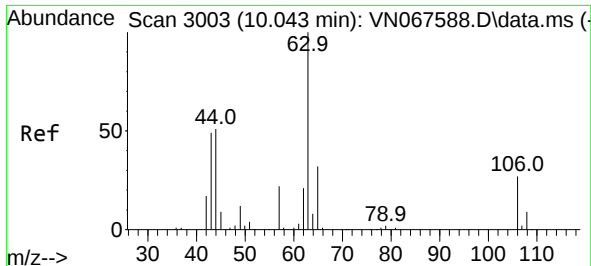
Tgt Ion: 97	Resp: 15999
Ion Ratio	Lower Upper
97 100	
83 2.4	69.6 104.4#
85 0.0	45.2 67.8#
99 213.9	47.8 71.6#



#51
Ethyl methacrylate
Concen: 0.258 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.319 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

Tgt Ion: 69	Resp: 1732
Ion Ratio	Lower Upper
69 100	
41 77.7	36.8 110.4
39 31.4	23.8 71.2

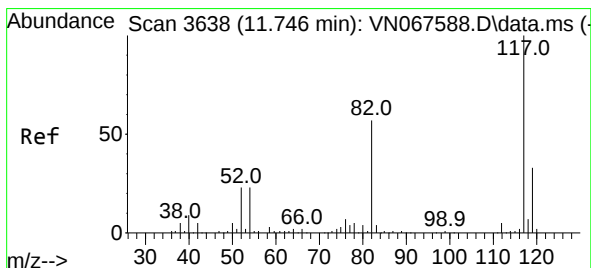
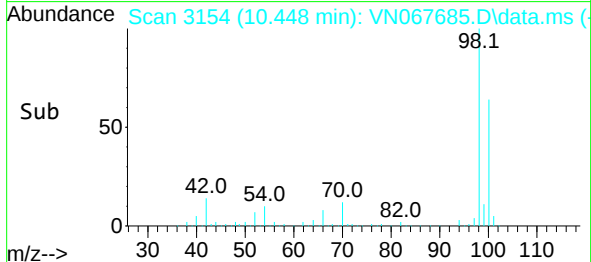
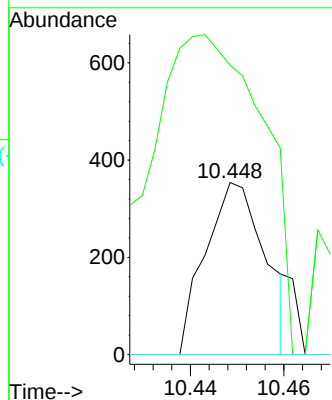
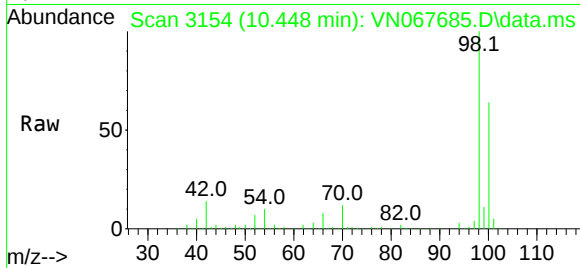




#55
2-Chloroethyl vinyl ether
Concen: 0.219 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.405 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

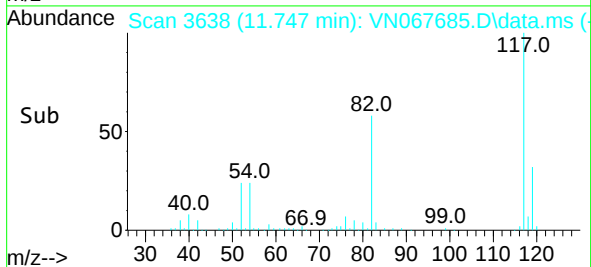
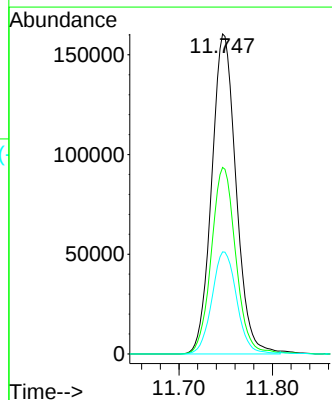
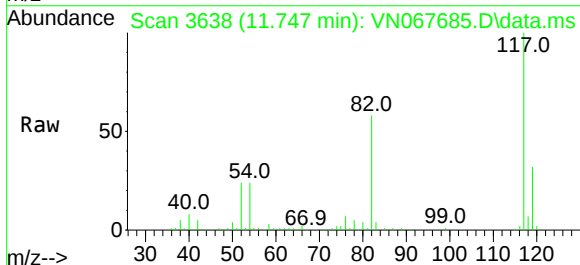
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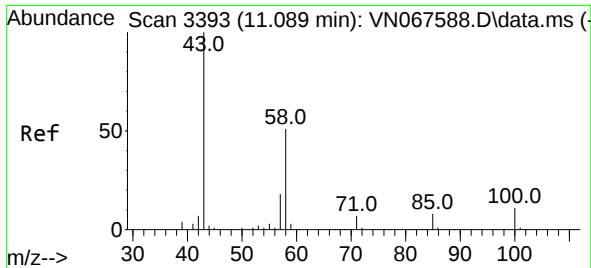
Tgt Ion: 63 Resp: 313
Ion Ratio Lower Upper
63 100
65 370.6 25.6 38.4#
106 0.0 20.0 30.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

Tgt Ion: 117 Resp: 290682
Ion Ratio Lower Upper
117 100
82 58.7 52.5 78.7
119 32.4 25.8 38.8

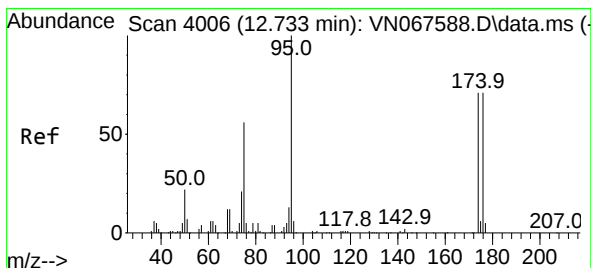
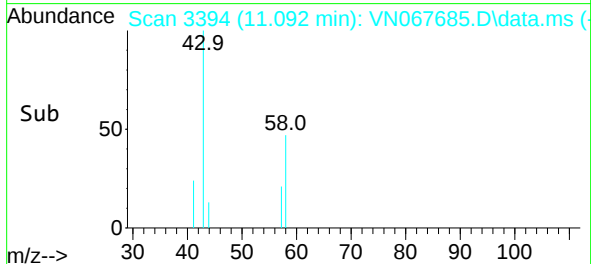
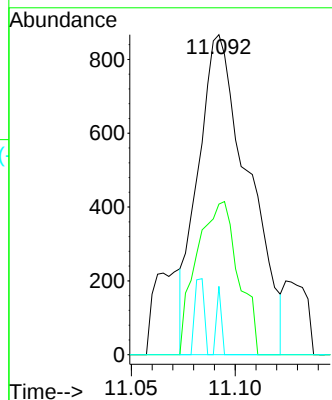
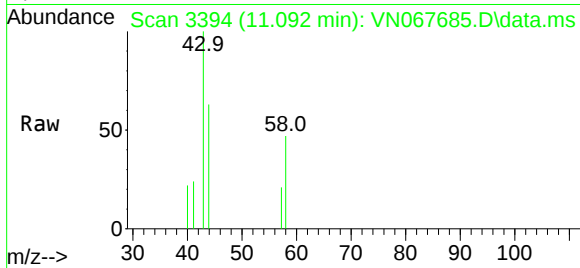




#59
2-Hexanone
Concen: 0.416 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

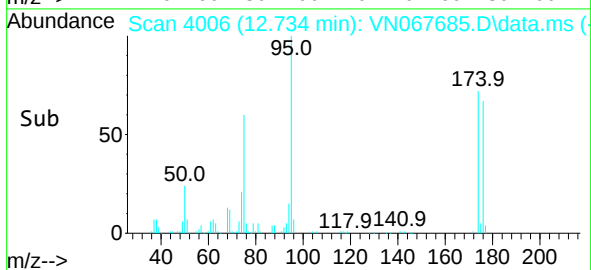
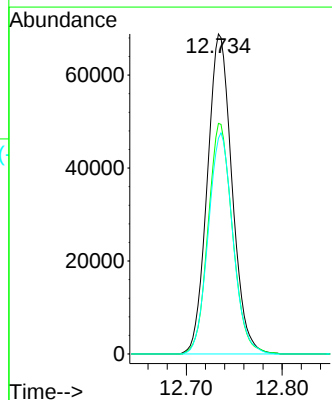
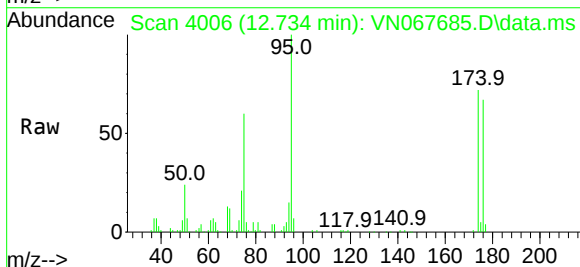
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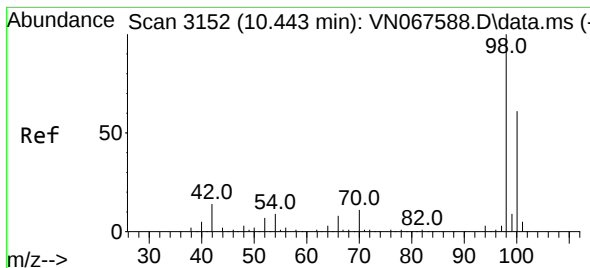
Tgt Ion: 43 Resp: 1467
Ion Ratio Lower Upper
43 100
58 37.8 39.4 59.0#
57 4.5 14.4 21.6#



#60
4-Bromofluorobenzene
Concen: 26.045 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

Tgt Ion: 95 Resp: 123161
Ion Ratio Lower Upper
95 100
174 71.2 47.7 71.5
176 68.9 45.7 68.5#

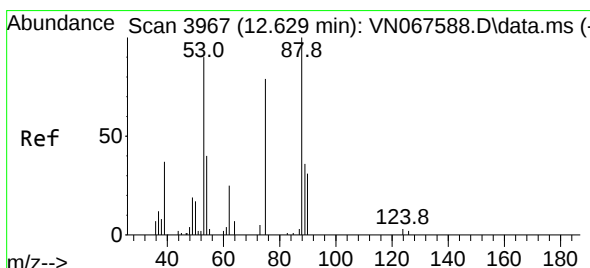
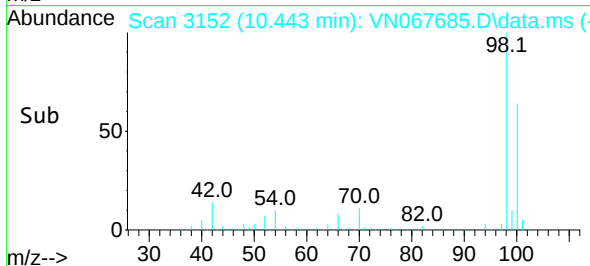
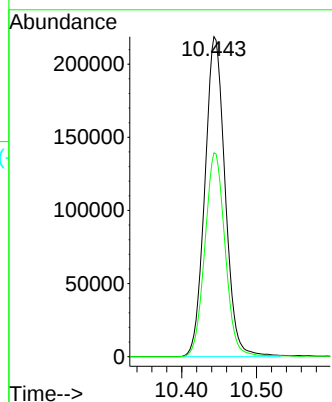
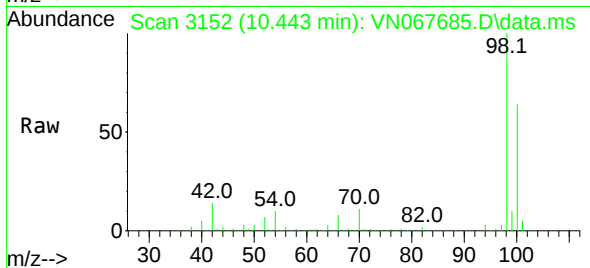




#63
Toluene-d8
Concen: 31.024 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

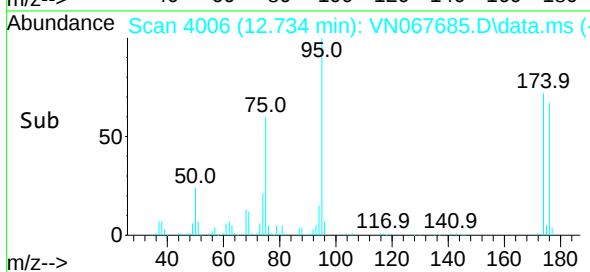
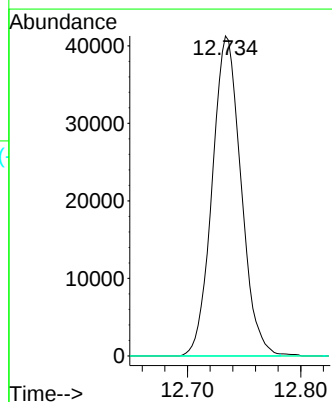
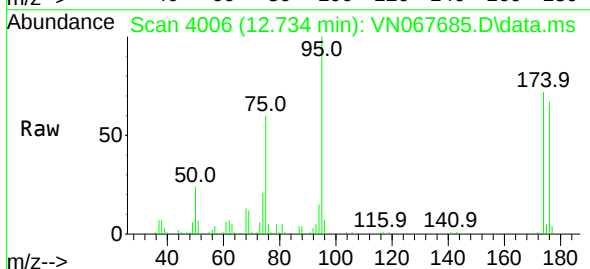
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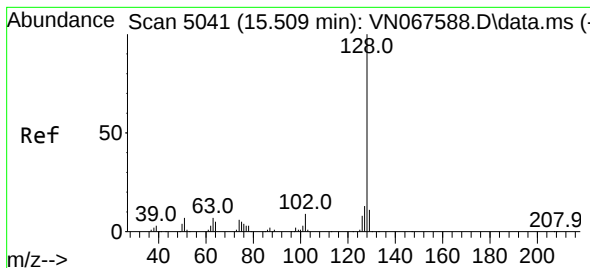
Tgt Ion: 98 Resp: 412649
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#77
t-1,4-Dichloro-2-butene
Concen: 47.587 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

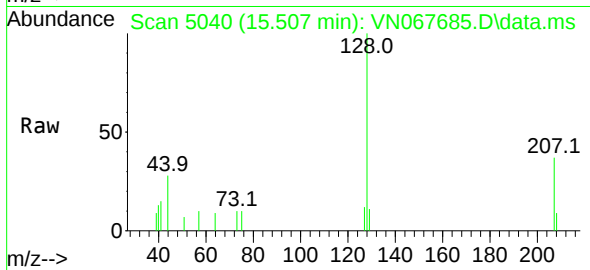
Tgt Ion: 75 Resp: 72806
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#



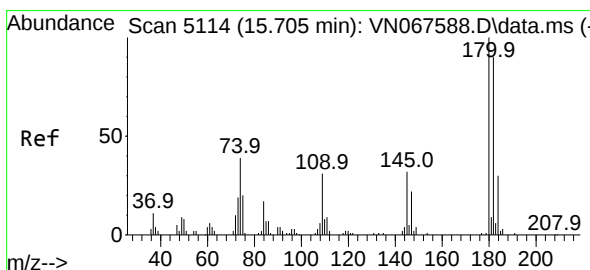
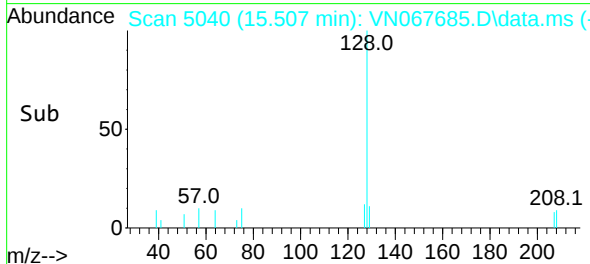
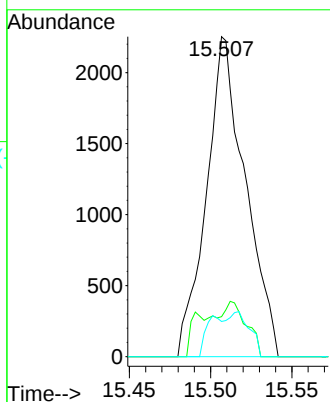


#91
Naphthalene
Concen: 0.374 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-028



Tgt Ion:128 Resp: 3754
Ion Ratio Lower Upper
128 100
127 4.7 10.1 15.1#
129 5.2 8.9 13.3#



#92
1,2,3-Trichlorobenzene
Concen: 0.297 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.003 min
Lab File: VN067685.D
Acq: 9 Jul 2021 15:02

Tgt Ion:180 Resp: 923
Ion Ratio Lower Upper
180 100
182 76.2 0.0 184.6
145 14.6 0.0 76.0

