

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067686.D
 Acq On : 9 Jul 2021 15:26
 Operator : JC/MD
 Sample : M2975-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-21-WW-TSF-029

Quant Time: Jul 10 05:19:43 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)

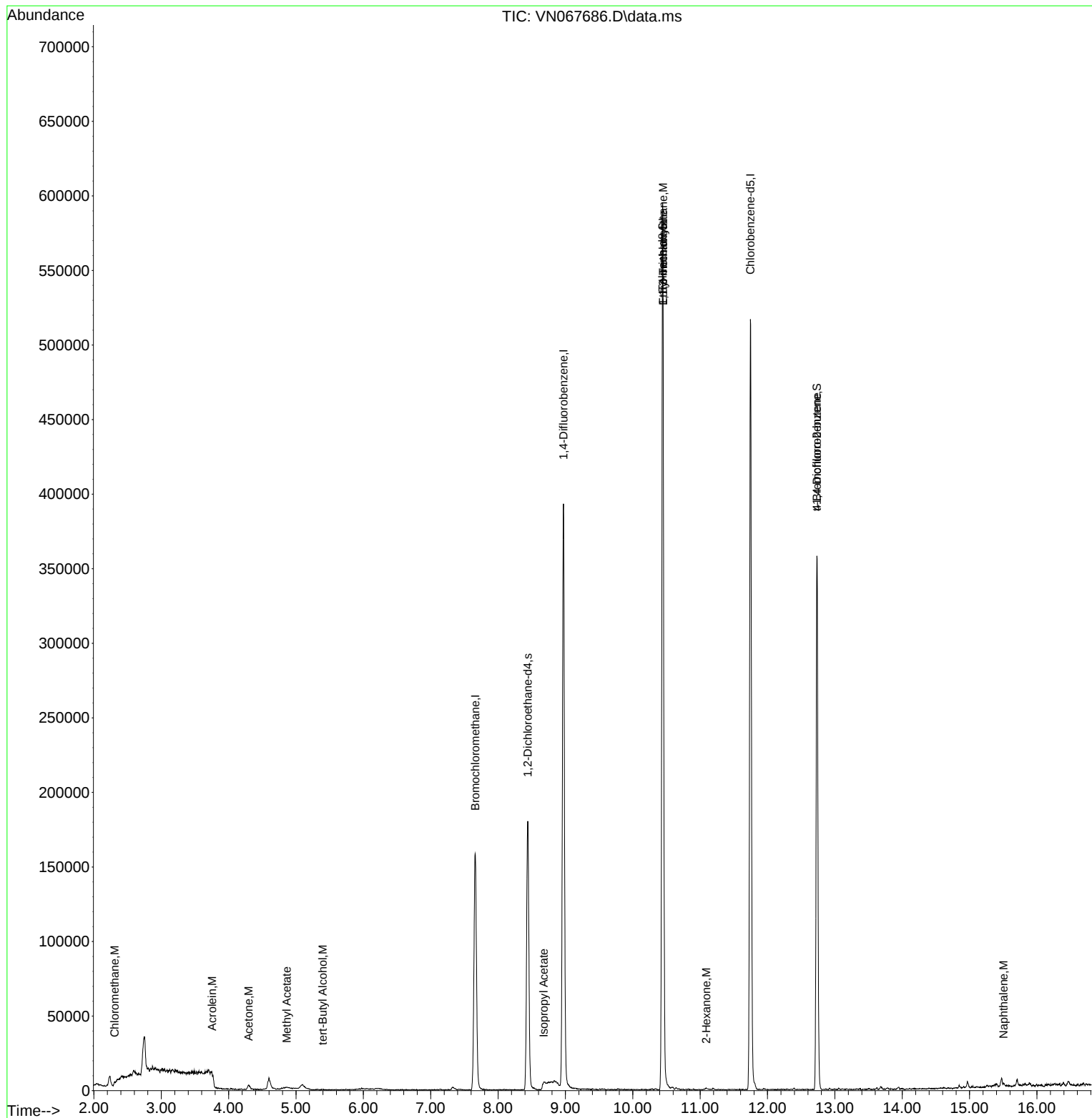
Internal Standards						
1) Bromochloromethane	7.662	128	56922	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	337137	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	297228	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	156159	33.949	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 113.167%#	
60) 4-Bromofluorobenzene	12.734	95	128280	26.530	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 88.433%	
63) Toluene-d8	10.443	98	415287	30.535	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.767%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	1146	0.270	ug/l #	76
12) Methyl Acetate	4.862	43	752	0.212	ug/l #	55
13) Acrolein	3.757	56	207	0.414	ug/l	96
15) Acetone	4.296	58	609	1.577	ug/l #	48
23) tert-Butyl Alcohol	5.396	59	150	0.239	ug/l #	100
44) Isopropyl Acetate	8.678	43	3199	0.345	ug/l #	52
50) 1,1,2-Trichloroethane	10.451	97	16153	3.797	ug/l #	1
51) Ethyl methacrylate	10.451	69	1815	0.271	ug/l	85
59) 2-Hexanone	11.090	43	1105	0.307	ug/l #	58
77) t-1,4-Dichloro-2-butene	12.734	75	71716	45.842	ug/l #	6
91) Naphthalene	15.504	128	2743	0.267	ug/l #	78

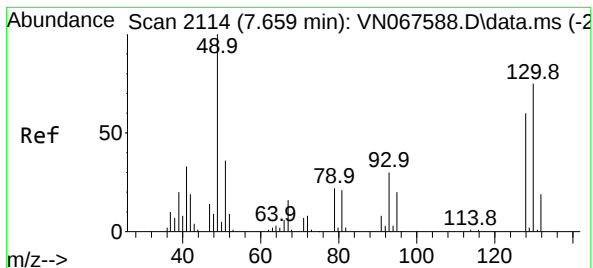
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

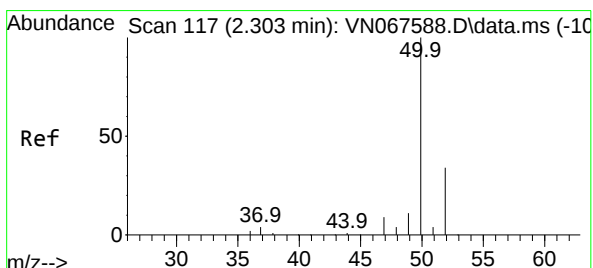
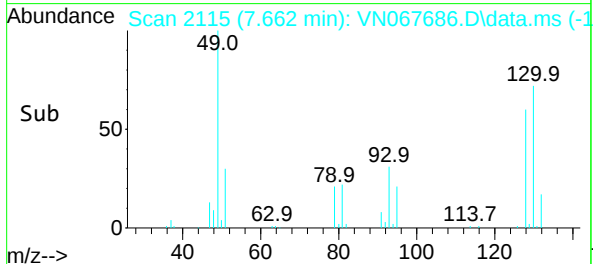
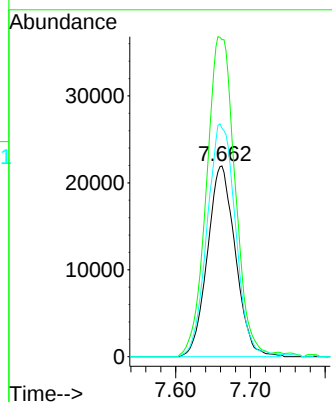
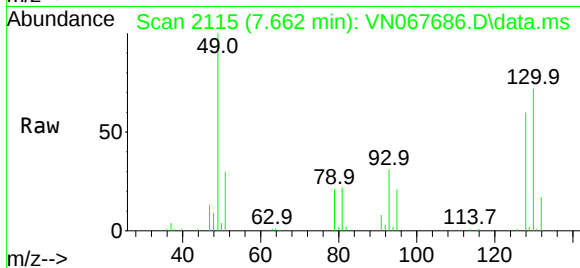




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

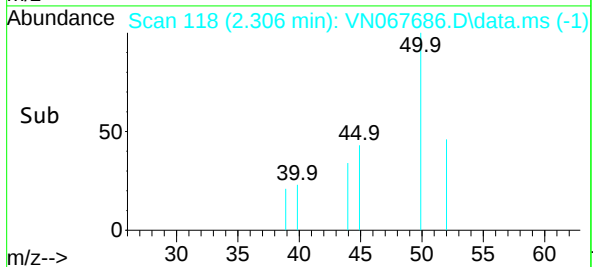
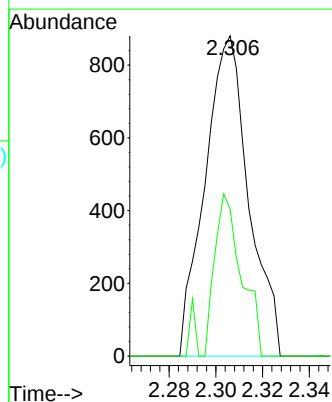
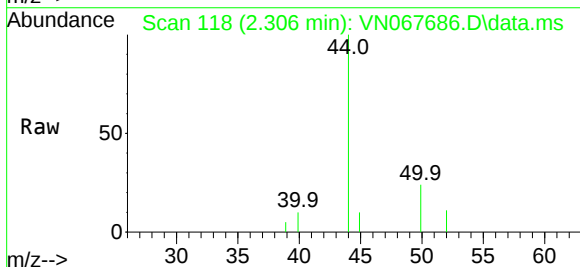
Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-029

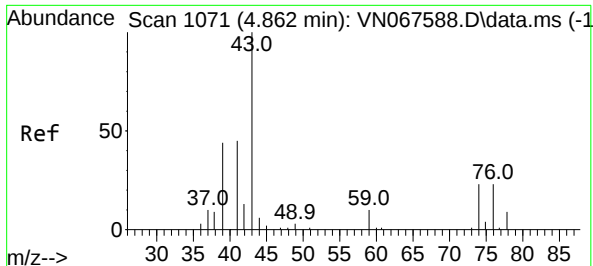
Tgt Ion:128 Resp: 56922
Ion Ratio Lower Upper
128 100
49 171.4 0.0 517.5
130 125.0 0.0 325.8



#3
Chloromethane
Concen: 0.270 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

Tgt Ion: 50 Resp: 1146
Ion Ratio Lower Upper
50 100
52 45.9 26.0 39.0#





#12

Methyl Acetate

Concen: 0.212 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN067686.D

Acq: 9 Jul 2021 15:26

Tgt Ion: 43 Resp: 752

Ion Ratio Lower Upper

43 100

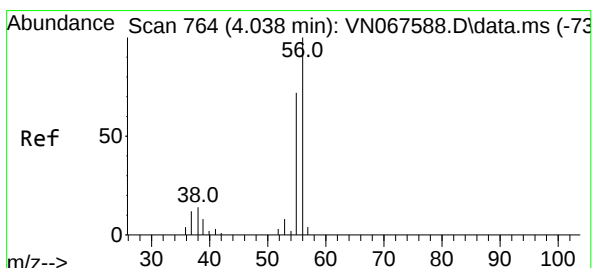
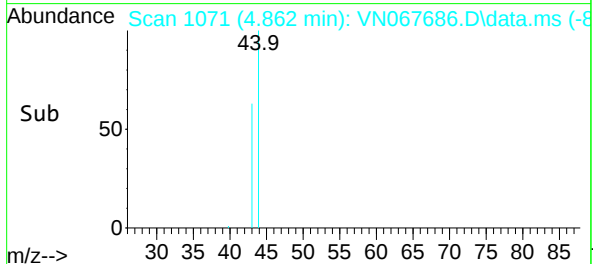
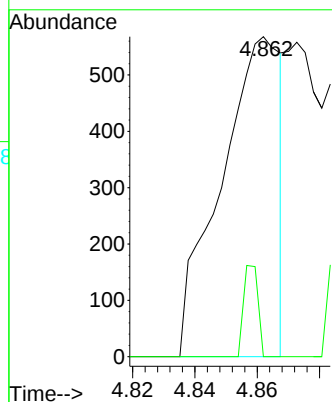
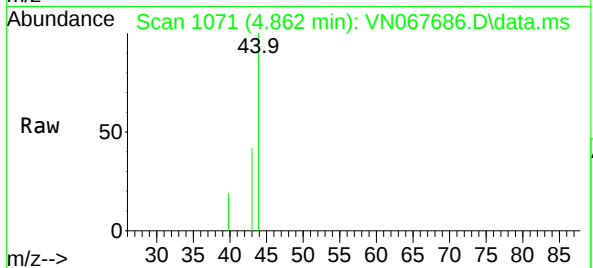
74 0.0 16.6 25.0#

Instrument :

MSVOA_N

ClientSampleId :

WGGM-21-WW-TSF-029



#13

Acrolein

Concen: 0.414 ug/l

RT: 3.757 min Scan# 659

Delta R.T. -0.281 min

Lab File: VN067686.D

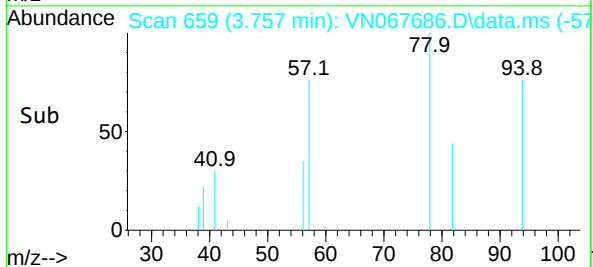
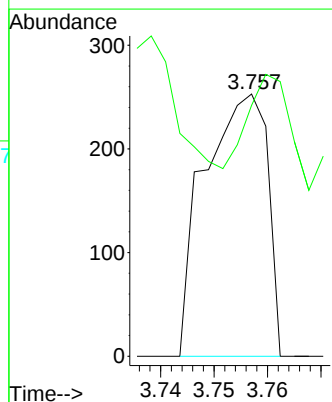
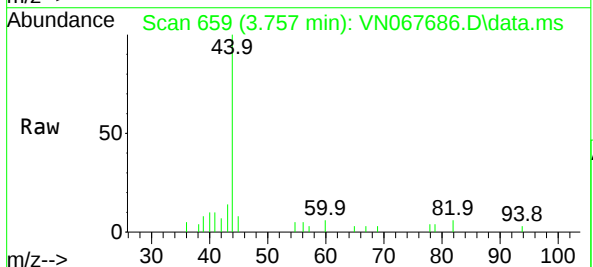
Acq: 9 Jul 2021 15:26

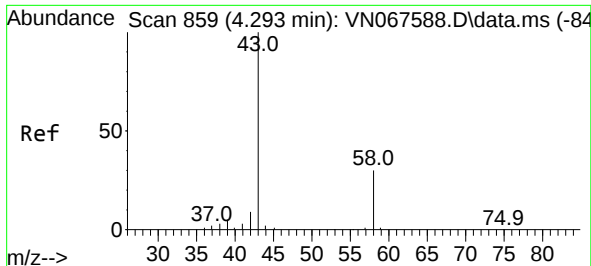
Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 74.9 57.5 86.3

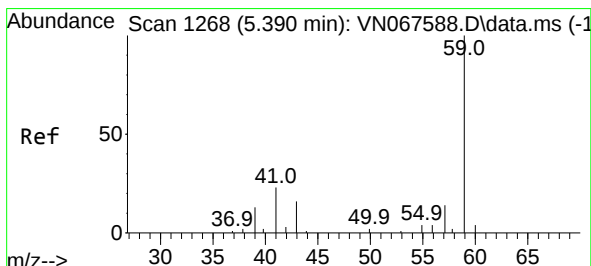
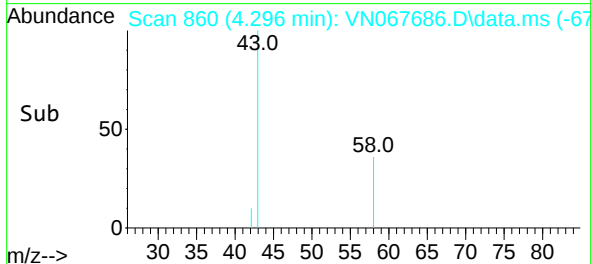
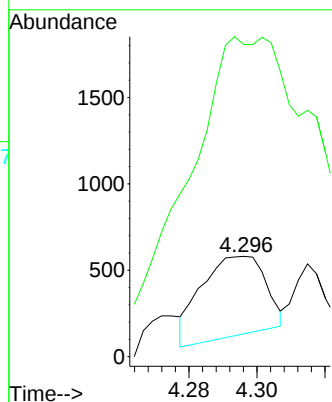
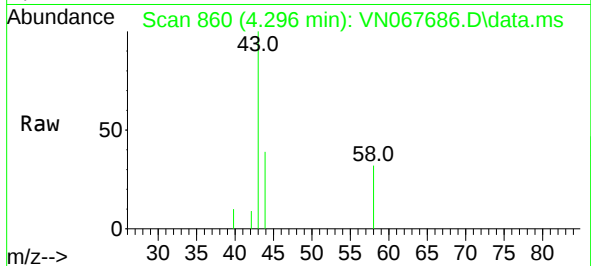




#15
Acetone
Concen: 1.577 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

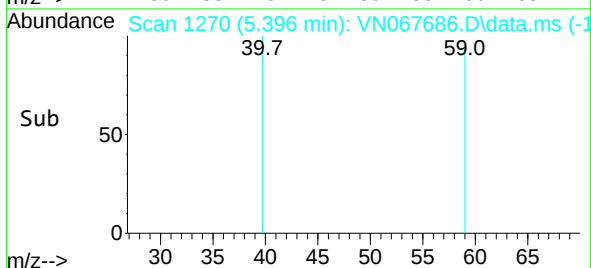
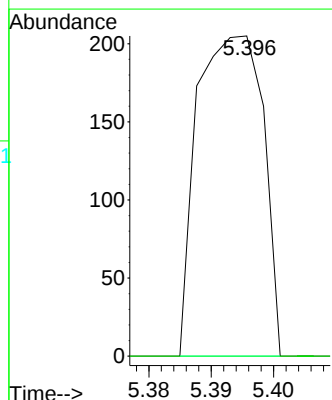
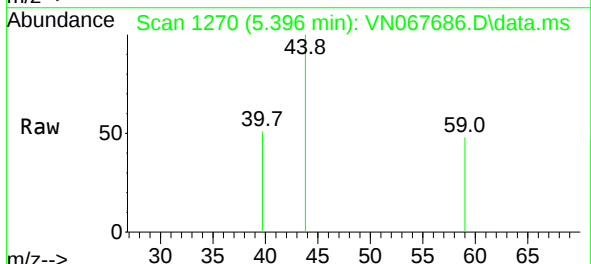
Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-029

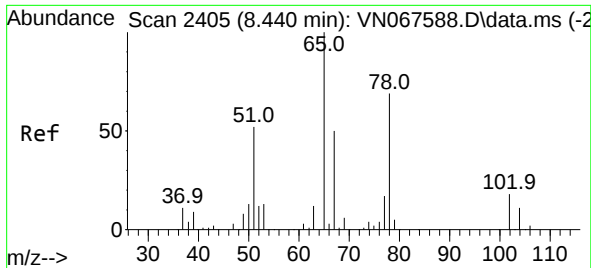
Tgt Ion: 58 Resp: 609
Ion Ratio Lower Upper
58 100
43 247.4 289.6 434.4#



#23
tert-Butyl Alcohol
Concen: 0.239 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

Tgt Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



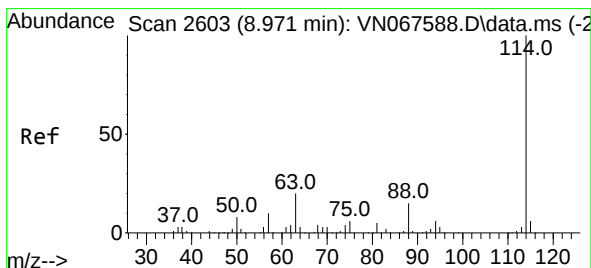
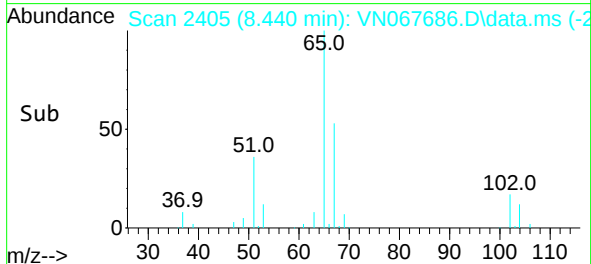
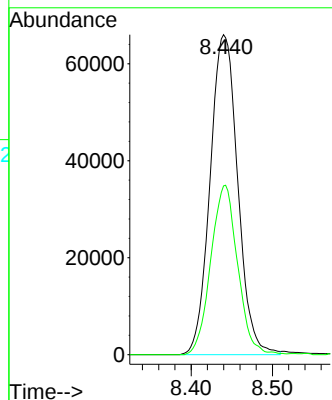
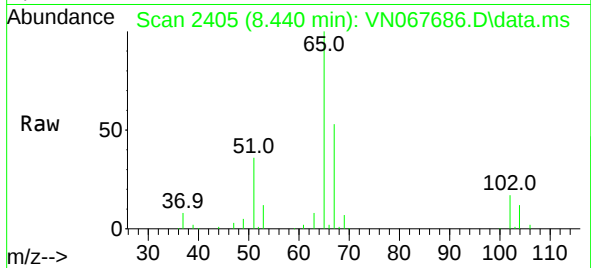


#27

1,2-Dichloroethane-d4
Concen: 33.949 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-029

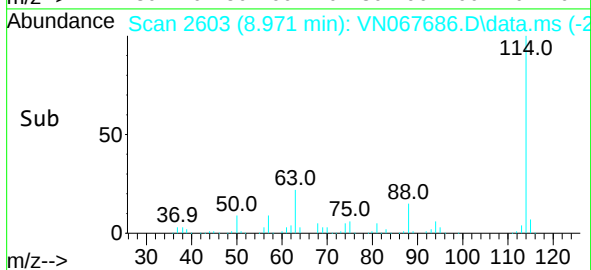
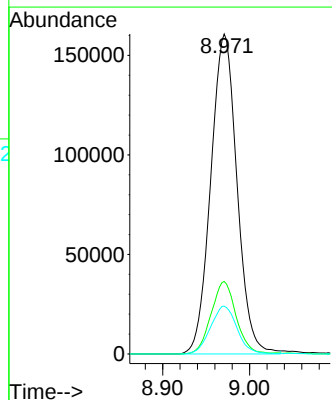
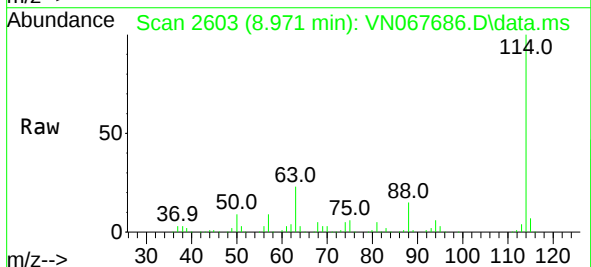
Tgt Ion: 65 Resp: 156159
Ion Ratio Lower Upper
65 100
67 51.1 39.8 59.8

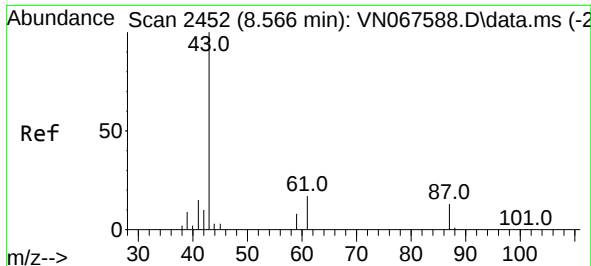


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

Tgt Ion: 114 Resp: 337137
Ion Ratio Lower Upper
114 100
63 21.6 20.3 30.5
88 15.1 14.6 22.0

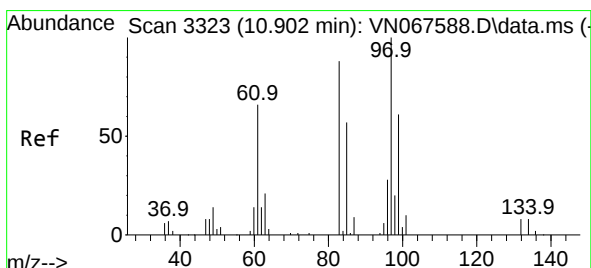
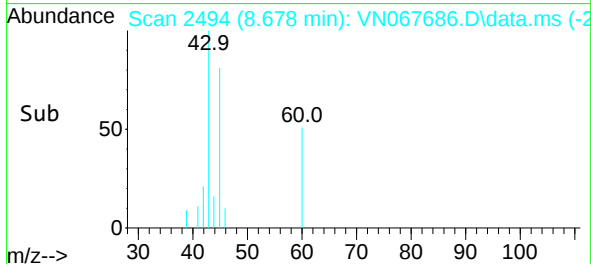
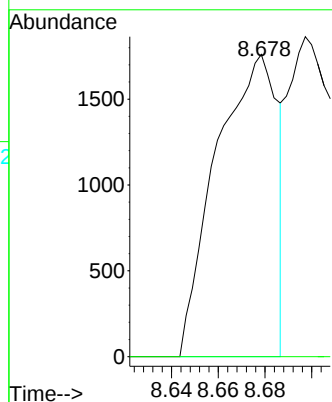
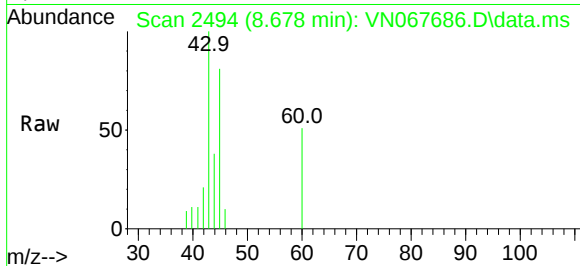




#44
Isopropyl Acetate
Concen: 0.345 ug/l
RT: 8.678 min Scan# 2494
Delta R.T. 0.113 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

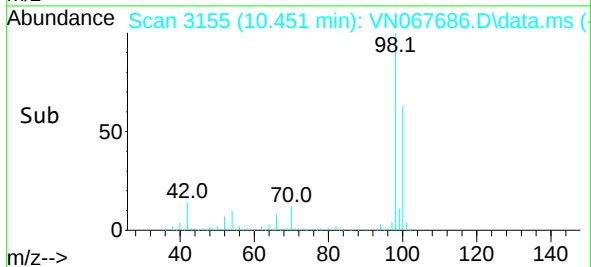
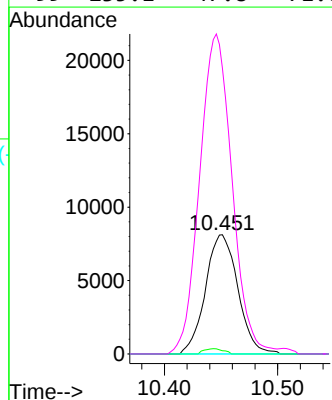
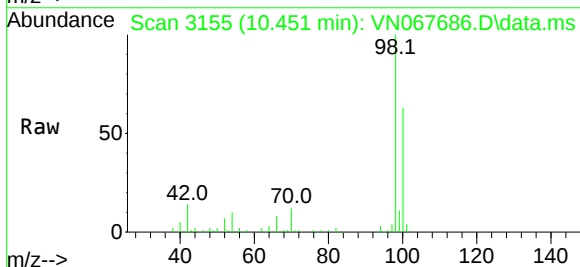
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ClientSampleId :
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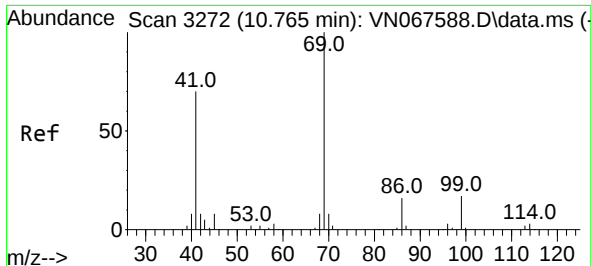
Tgt Ion: 43 Resp: 3199
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.6#



#50
1,1,2-Trichloroethane
Concen: 3.797 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.450 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

Tgt Ion: 97 Resp: 16153
Ion Ratio Lower Upper
97 100
83 2.6 69.6 104.4#
85 0.0 45.2 67.8#
99 235.1 47.8 71.6#

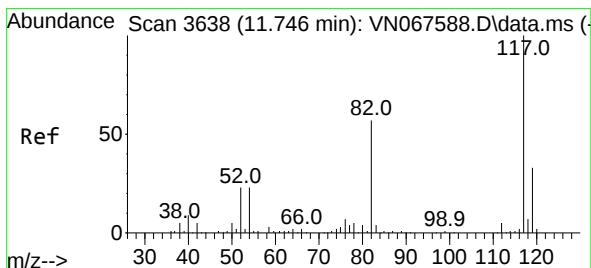
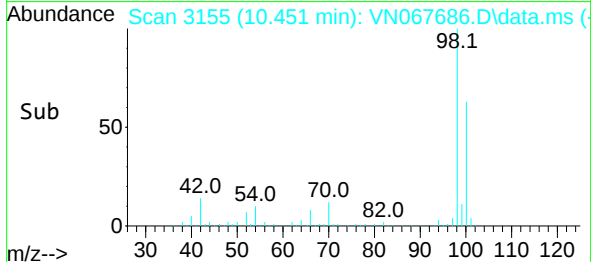
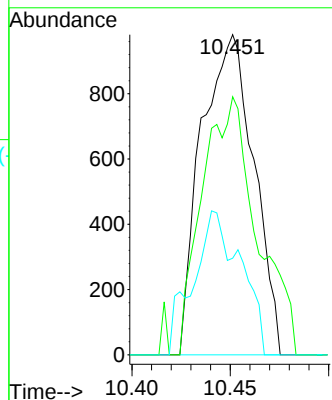
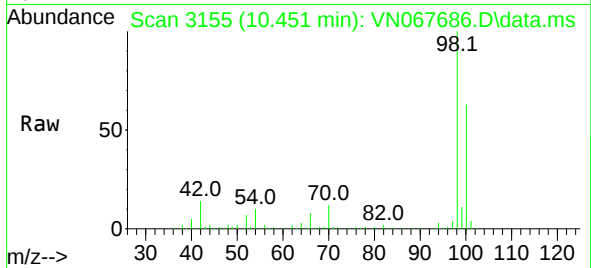




#51
Ethyl methacrylate
Concen: 0.271 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.314 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

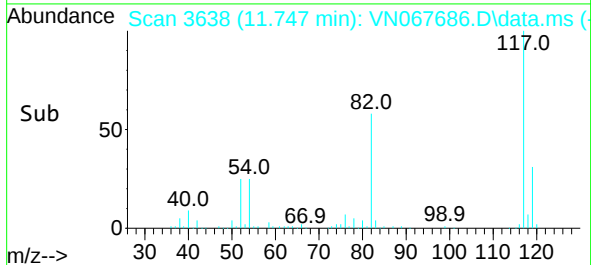
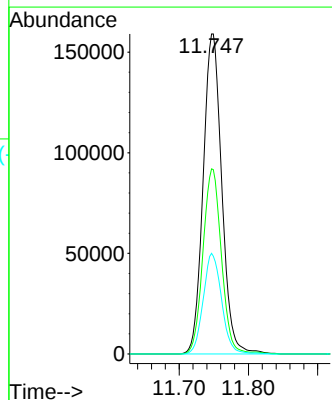
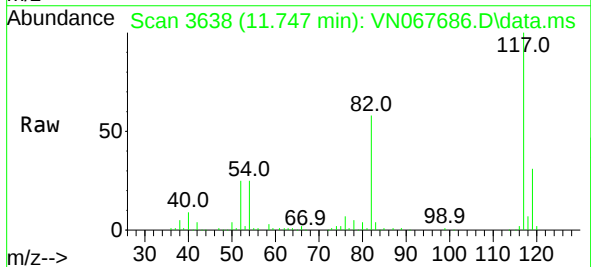
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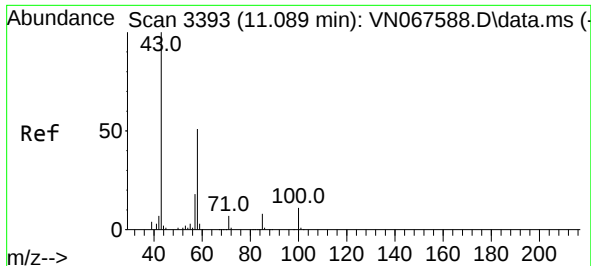
Tgt Ion:	69	Resp:	1815
Ion	Ratio	Lower	Upper
69	100		
41	80.6	36.8	110.4
39	30.2	23.8	71.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

Tgt Ion:	117	Resp:	297228
Ion	Ratio	Lower	Upper
117	100		
82	57.0	52.5	78.7
119	30.9	25.8	38.8

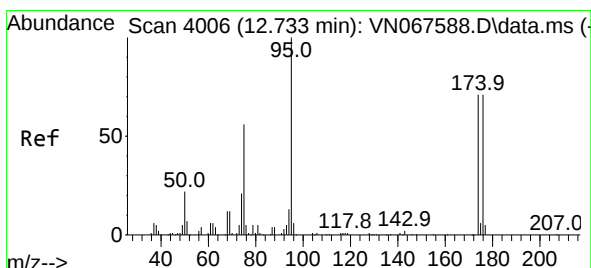
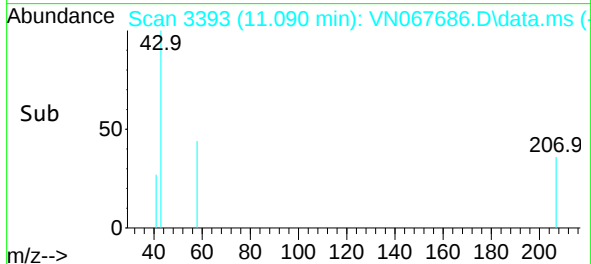
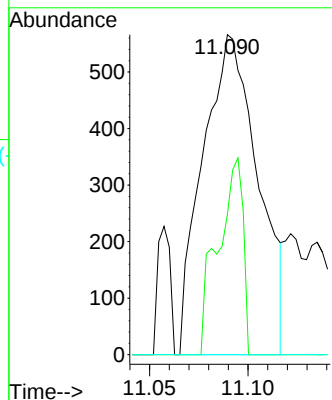
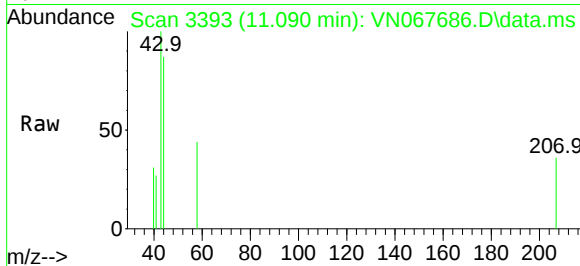




#59
2-Hexanone
Concen: 0.307 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

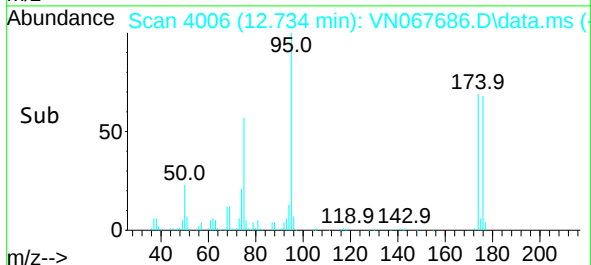
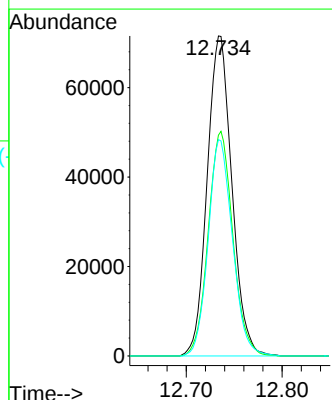
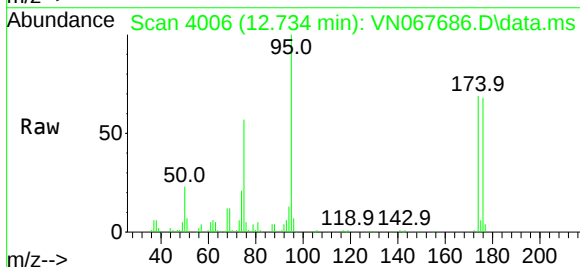
Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-029

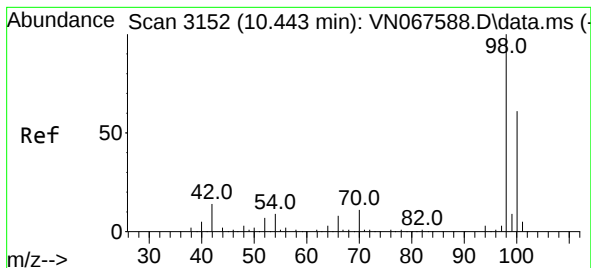
Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 19.9 39.4 59.0#
57 0.0 14.4 21.6#



#60
4-Bromofluorobenzene
Concen: 26.530 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

Tgt Ion: 95 Resp: 128280
Ion Ratio Lower Upper
95 100
174 70.0 47.7 71.5
176 66.4 45.7 68.5

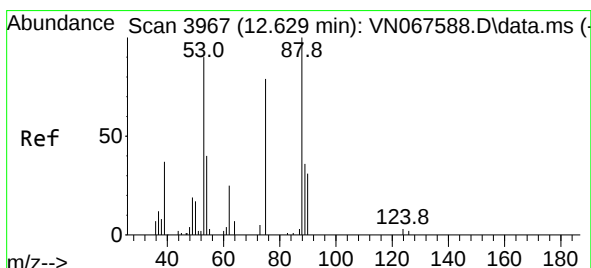
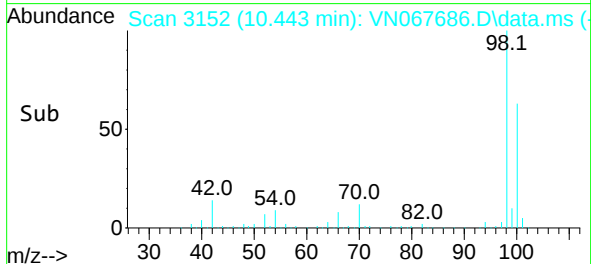
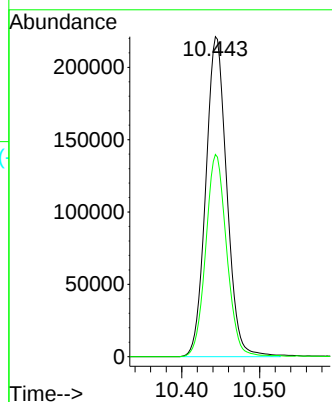
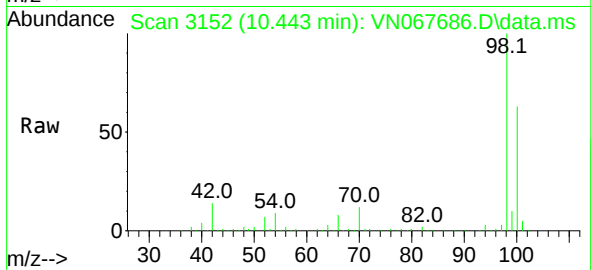




#63
Toluene-d8
Concen: 30.535 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

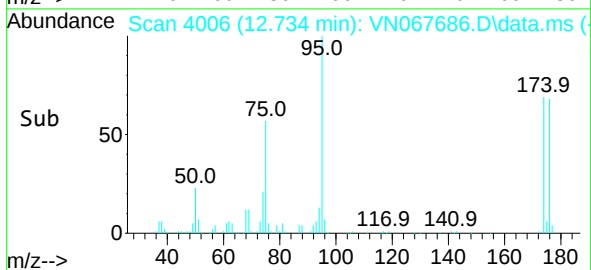
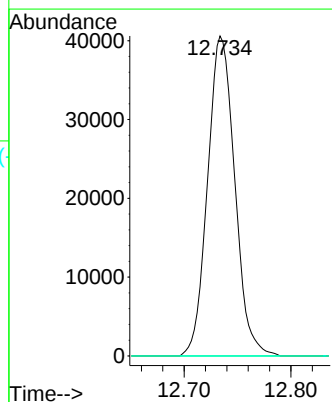
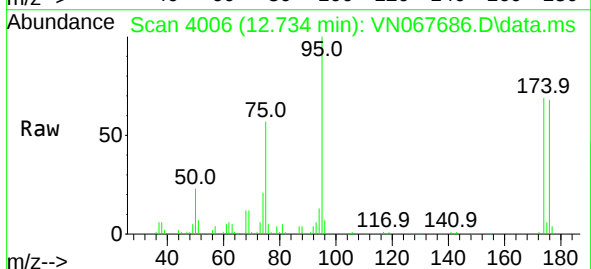
Instrument :
MSVOA_N
ClientSampleId :
WGM-21-WW-TSF-029

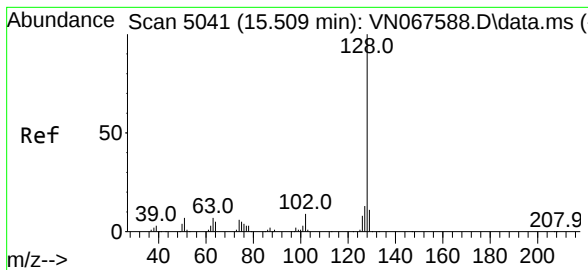
Tgt Ion: 98 Resp: 415287
Ion Ratio Lower Upper
98 100
100 62.7 51.2 76.8



#77
t-1,4-Dichloro-2-butene
Concen: 45.842 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

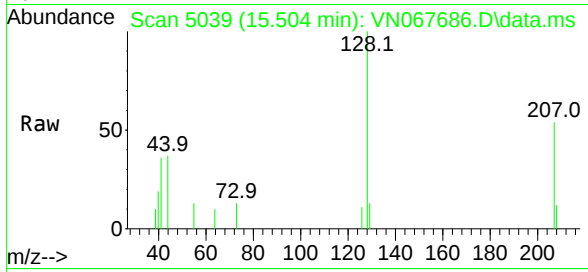
Tgt Ion: 75 Resp: 71716
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#





#91
Naphthalene
Concen: 0.267 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN067686.D
Acq: 9 Jul 2021 15:26

Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-029



Tgt Ion:128 Resp: 2743
Ion Ratio Lower Upper
128 100
127 1.9 10.1 15.1#
129 5.1 8.9 13.3#

