

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067598.D
 Acq On : 1 Jul 2021 15:54
 Operator : JC/MD
 Sample : M2861-02 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 06:46:50 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)

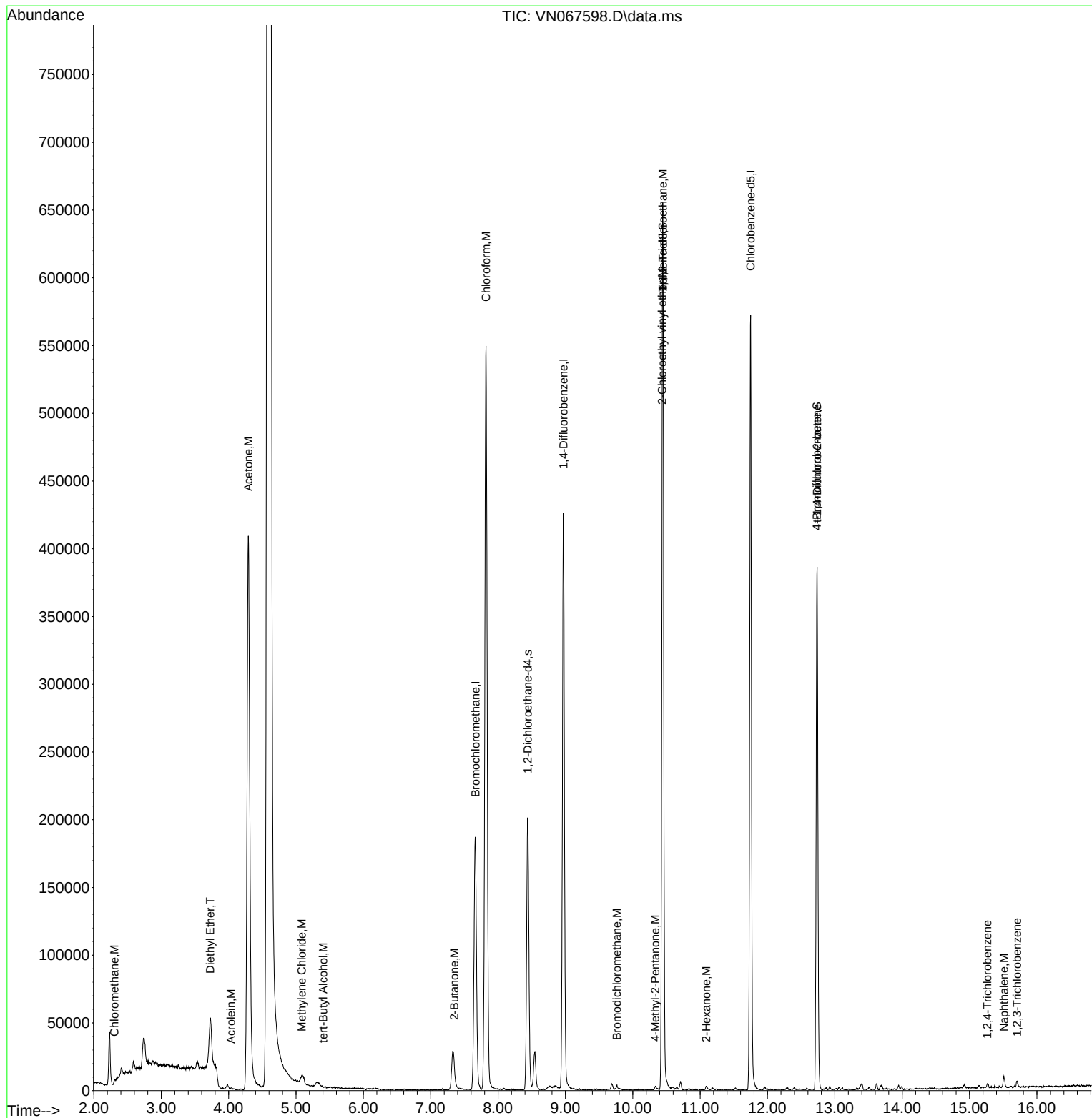
Internal Standards						
1) Bromochloromethane	7.665	128	64100	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	365290	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	322412	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	168014	32.436	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.133%
60) 4-Bromofluorobenzene	12.733	95	132953	25.348	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.500%
63) Toluene-d8	10.446	98	458765	31.097	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.667%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1114	0.233	ug/l	94
8) Diethyl Ether	3.727	74	4084	1.095	ug/l #	1
13) Acrolein	4.036	56	176	0.312	ug/l	83
15) Acetone	4.293	58	220806	507.758	ug/l	92
18) Methylene Chloride	5.084	84	2232	0.552	ug/l #	65
23) tert-Butyl Alcohol	5.404	59	144	0.204	ug/l #	100
25) Chloroform	7.820	83	521471	65.222	ug/l	99
30) 2-Butanone	7.351	43	2082	0.797	ug/l #	81
41) Bromodichloromethane	9.765	83	2028	0.320	ug/l #	95
50) 1,1,2-Trichloroethane	10.448	97	16245	3.525	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.435	63	313	0.203	ug/l #	73
58) 4-Methyl-2-Pentanone	10.336	43	2103	0.375	ug/l #	80
59) 2-Hexanone	11.092	43	2084	0.533	ug/l #	82
77) t-1,4-Dichloro-2-butene	12.736	75	76740	45.222	ug/l #	6
89) 1,2,4-Trichlorobenzene	15.265	180	1409	0.390	ug/l #	92
91) Naphthalene	15.509	128	7466	0.671	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.705	180	1805	0.524	ug/l	81

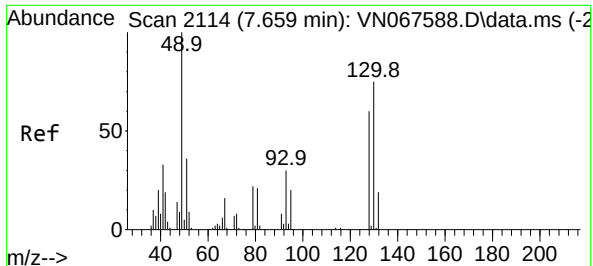
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

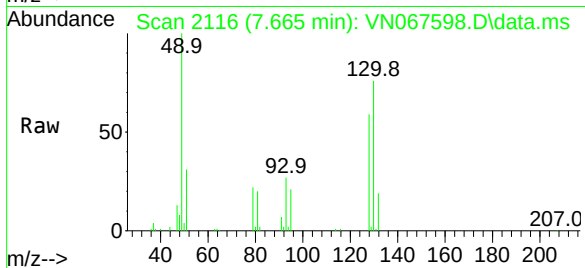
Quant Time: Jul 02 06:46:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 01 12:09:22 2021
Response via : Initial Calibration



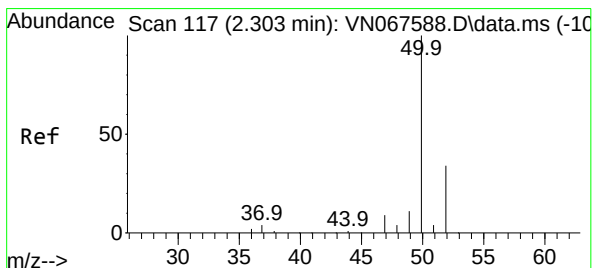
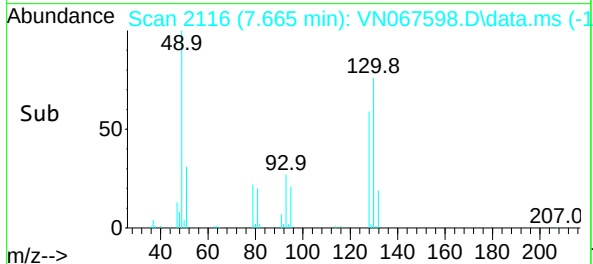
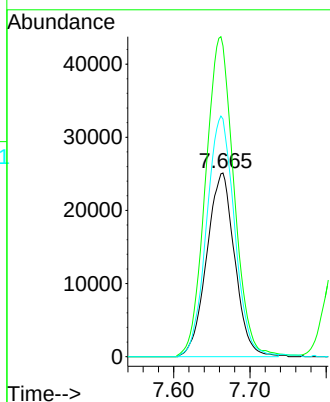


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.665 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

Instrument :
MSVOA_N
ClientSampled :

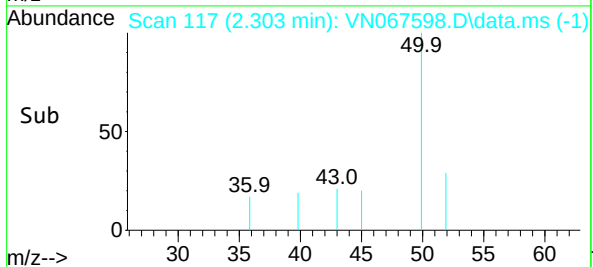
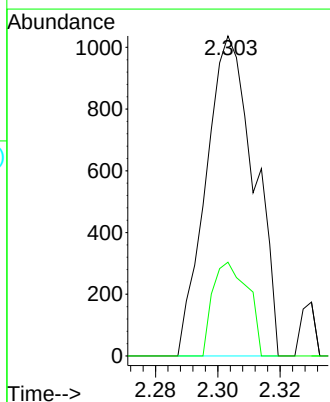
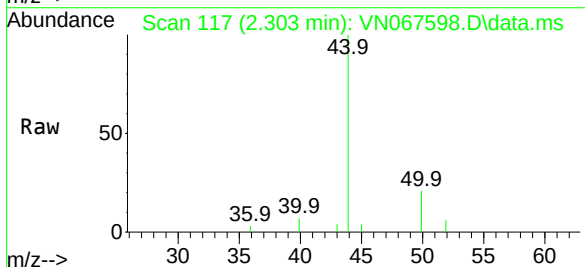


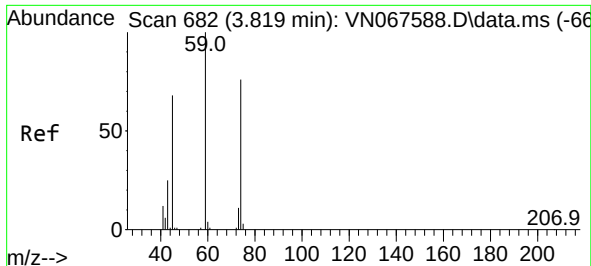
Tgt Ion:128 Resp: 64100
Ion Ratio Lower Upper
128 100
49 175.1 0.0 517.5
130 130.9 0.0 325.8



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

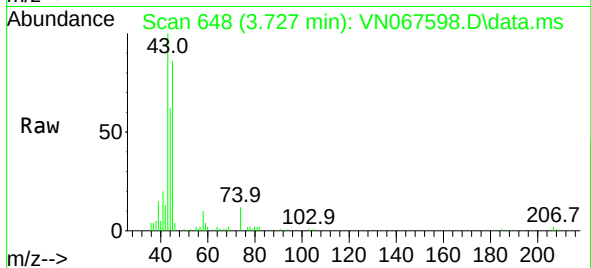
Tgt Ion: 50 Resp: 1114
Ion Ratio Lower Upper
50 100
52 29.3 26.0 39.0



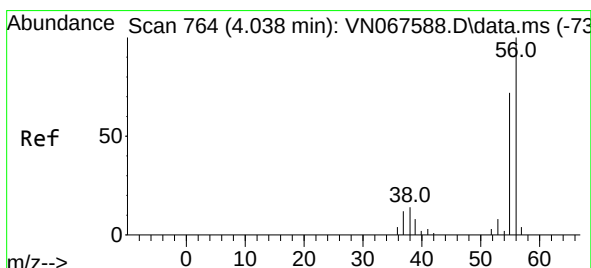
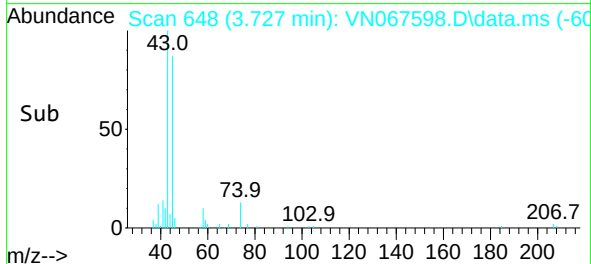
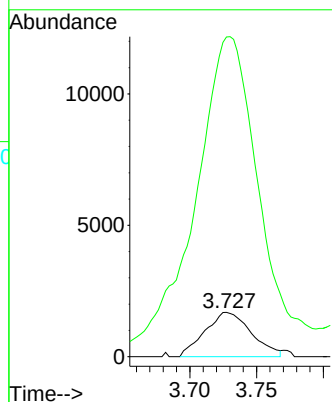


#8
Diethyl Ether
Concen: 1.095 ug/l
RT: 3.727 min Scan# 648
Delta R.T. -0.091 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

Instrument :
MSVOA_N
ClientSampled :

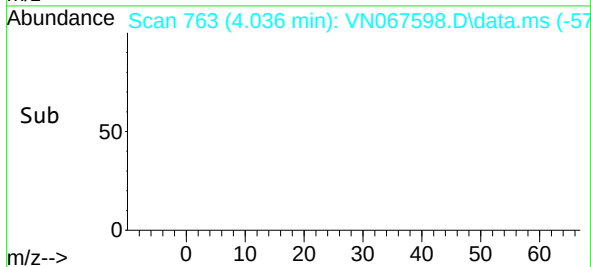
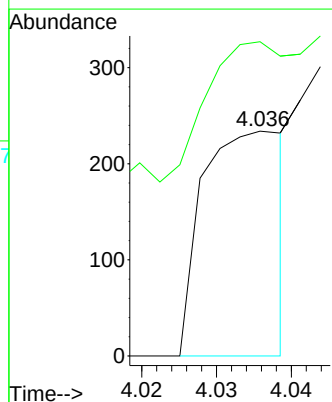
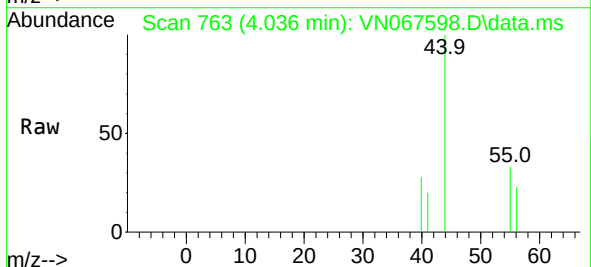


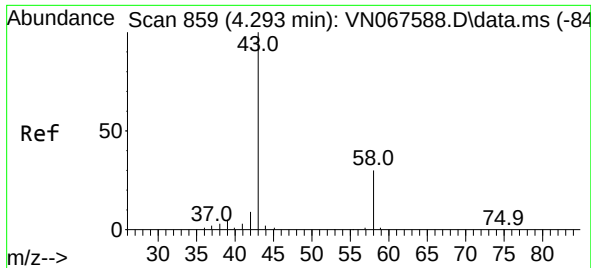
Tgt Ion: 74 Resp: 4084
Ion Ratio Lower Upper
74 100
45 898.5 20.3 182.5#



#13
Acrolein
Concen: 0.312 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

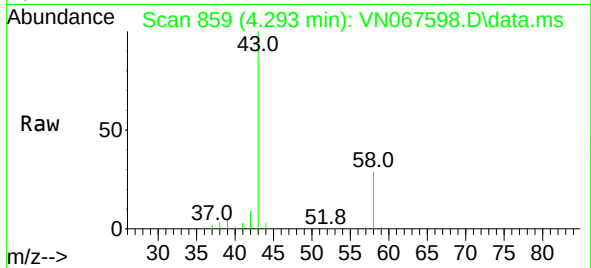
Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 58.0 57.5 86.3



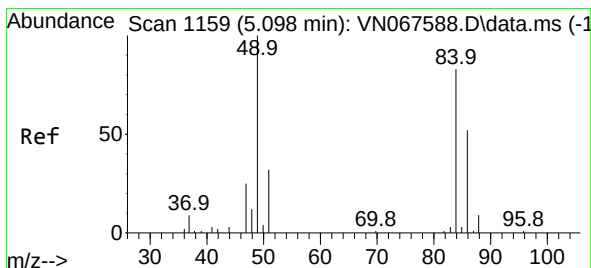
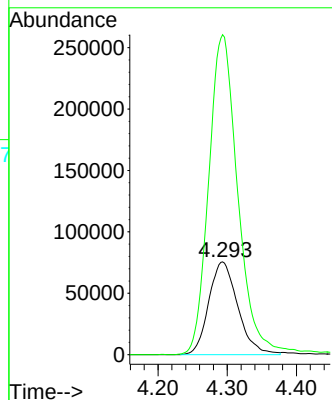
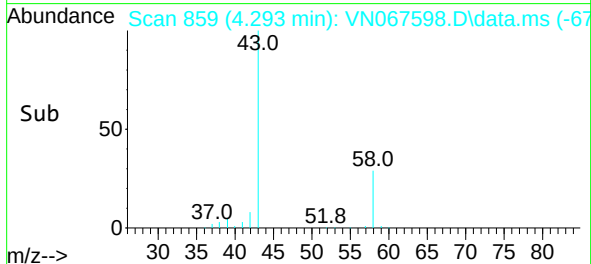


#15
Acetone
Concen: 507.758 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

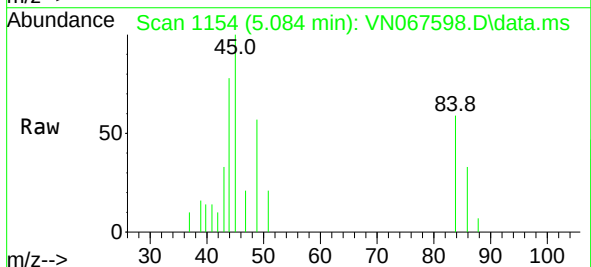
Instrument :
MSVOA_N
ClientSampled :



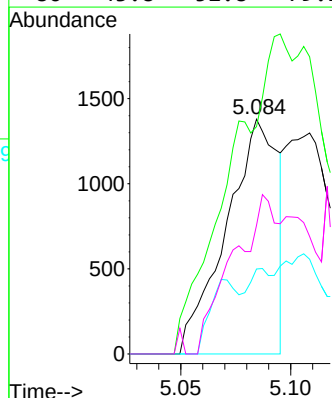
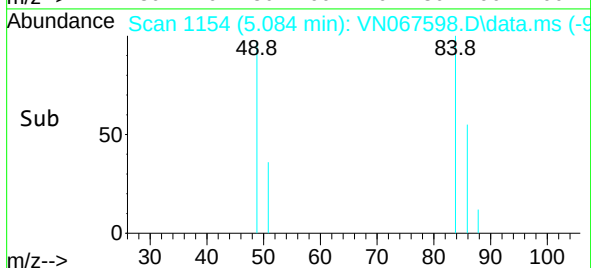
Tgt Ion: 58 Resp: 220806
Ion Ratio Lower Upper
58 100
43 344.3 289.6 434.4

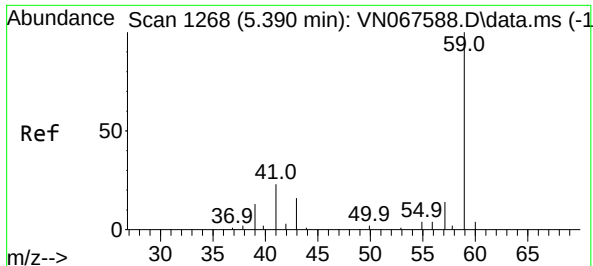


#18
Methylene Chloride
Concen: 0.552 ug/l
RT: 5.084 min Scan# 1154
Delta R.T. -0.013 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54



Tgt Ion: 84 Resp: 2232
Ion Ratio Lower Upper
84 100
49 81.7 110.9 166.3#
51 36.2 31.2 46.8
86 43.8 52.8 79.2#

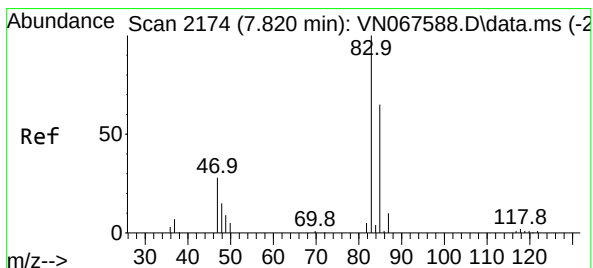
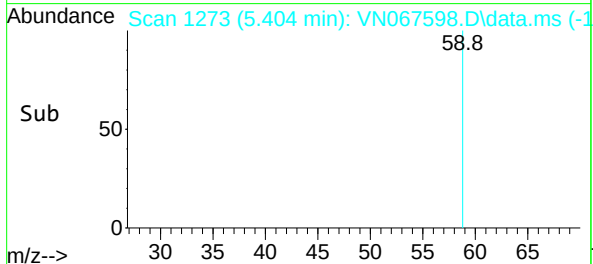
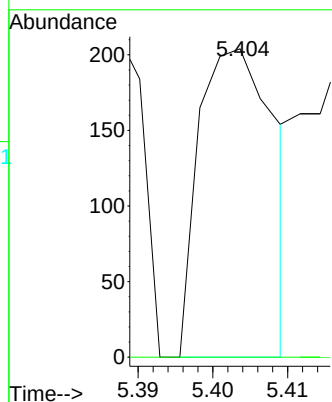
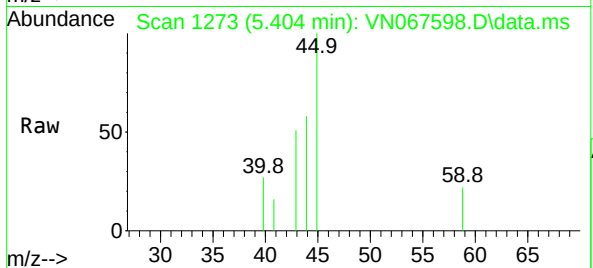




#23
tert-Butyl Alcohol
Concen: 0.204 ug/l
RT: 5.404 min Scan# 1273
Delta R.T. 0.013 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

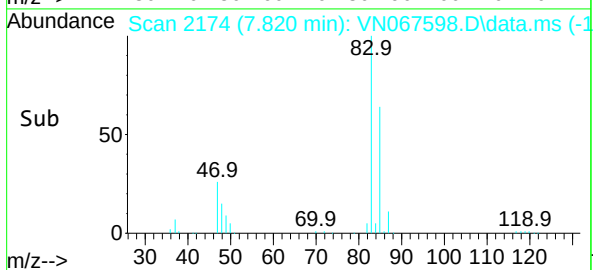
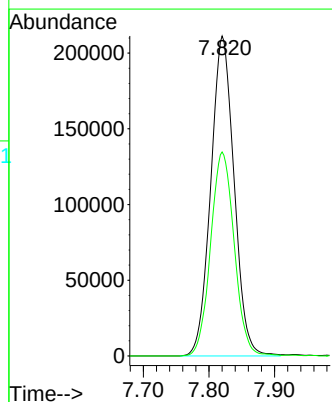
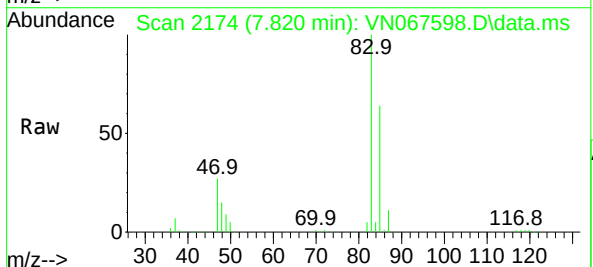
Instrument :
MSVOA_N
ClientSampled :

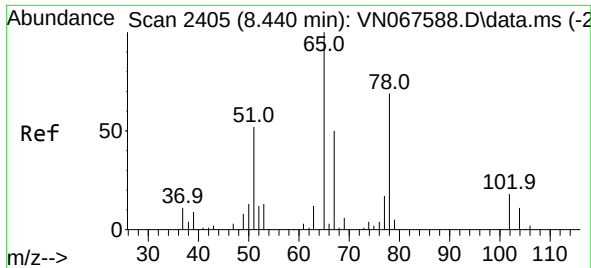
Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#25
Chloroform
Concen: 65.222 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

Tgt Ion: 83 Resp: 521471
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3



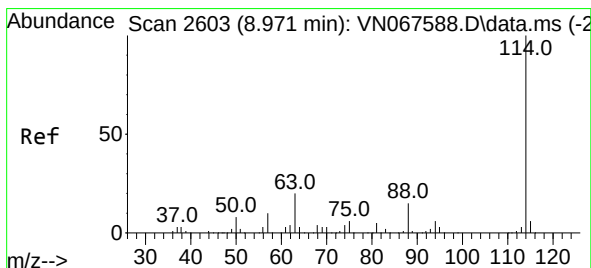
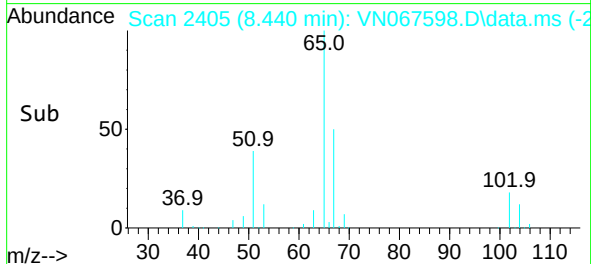
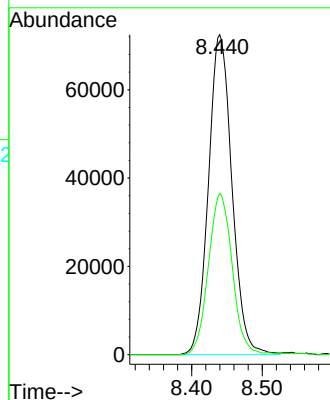
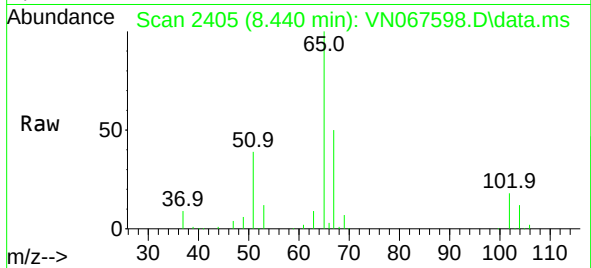


#27

1,2-Dichloroethane-d4
Concen: 32.436 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

Instrument :
MSVOA_N
ClientSampled :

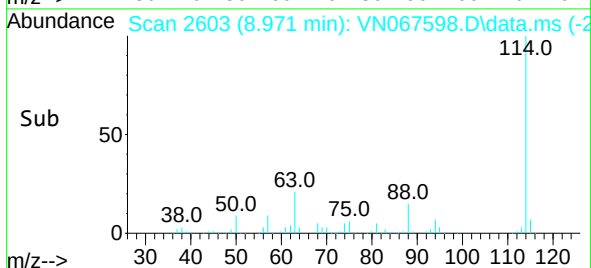
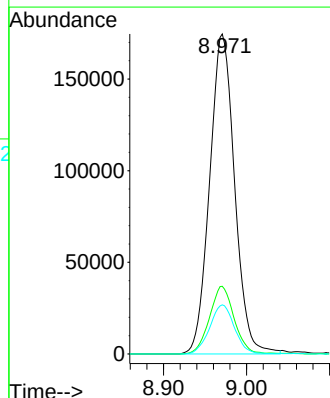
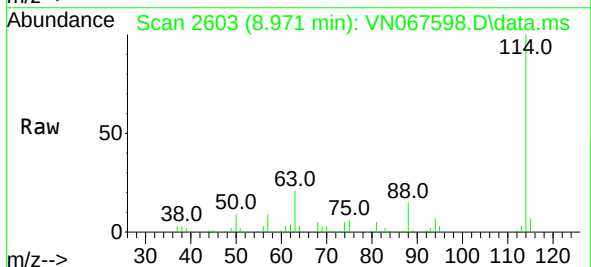
Tgt Ion: 65 Resp: 168014
Ion Ratio Lower Upper
65 100
67 50.8 39.8 59.8

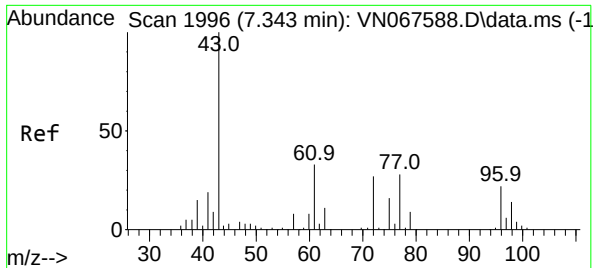


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

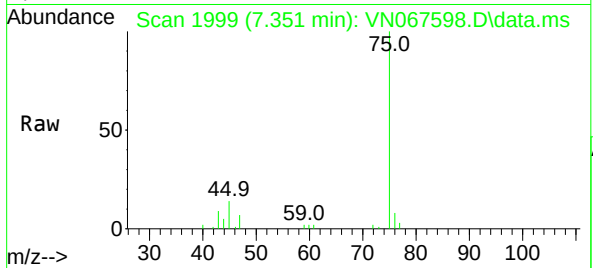
Tgt Ion: 114 Resp: 365290
Ion Ratio Lower Upper
114 100
63 20.7 20.3 30.5
88 15.1 14.6 22.0



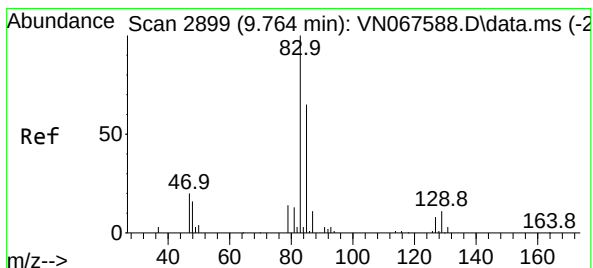
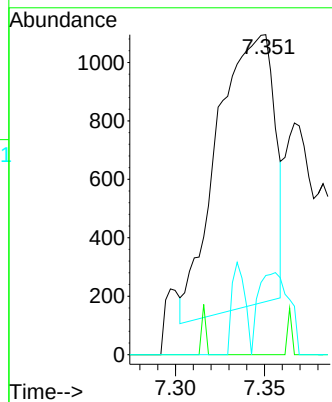
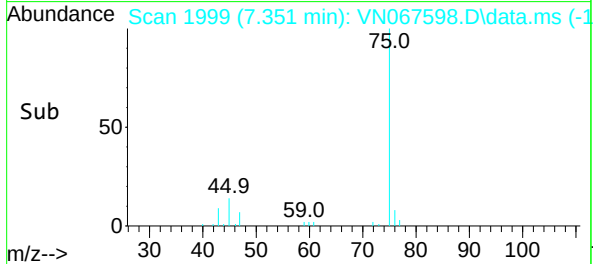


#30
2-Butanone
Concen: 0.797 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

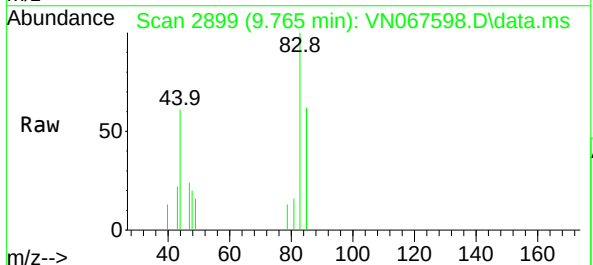
Instrument :
MSVOA_N
ClientSampled :



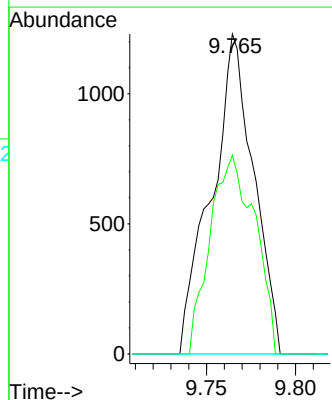
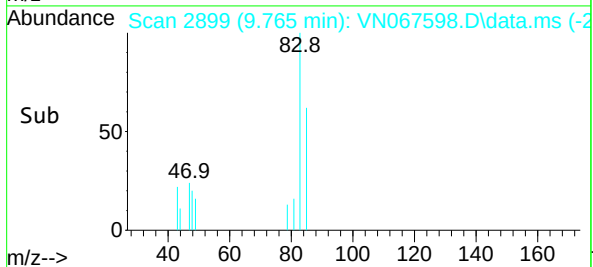
Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
57 0.0 6.9 10.3#
72 16.1 20.0 30.0#

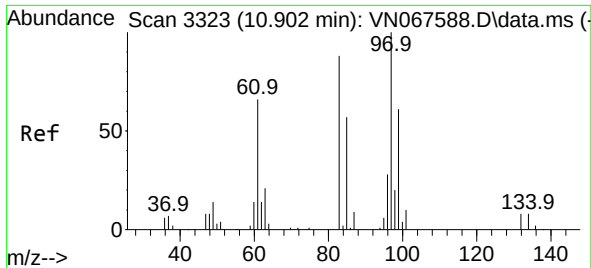


#41
Bromodichloromethane
Concen: 0.320 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54



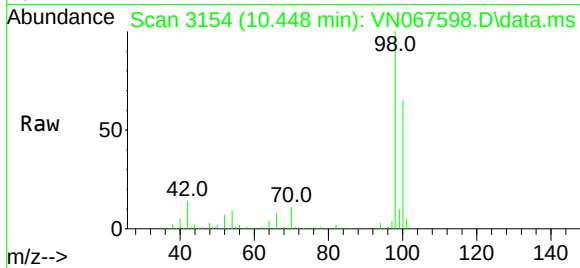
Tgt Ion: 83 Resp: 2028
Ion Ratio Lower Upper
83 100
85 62.1 51.2 76.8
127 0.0 6.6 9.8#



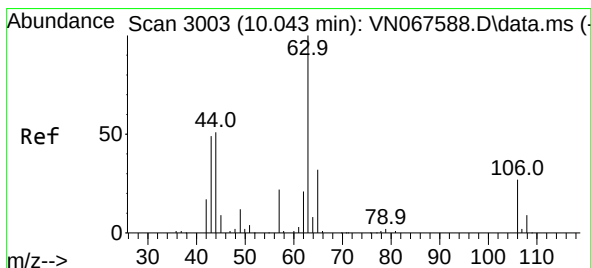
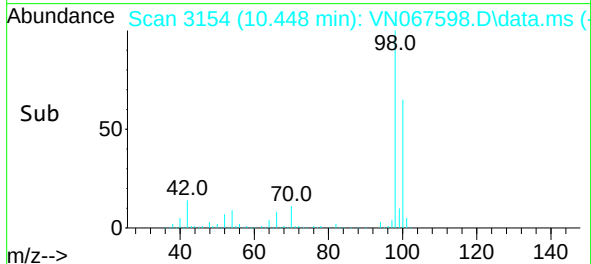
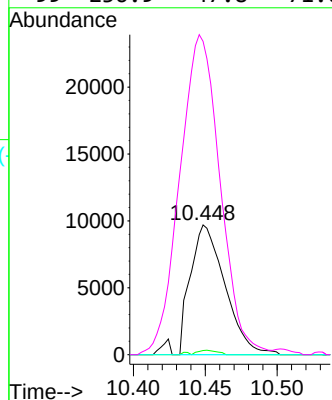


#50
1,1,2-Trichloroethane
Concen: 3.525 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.453 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

Instrument :
MSVOA_N
ClientSampled :

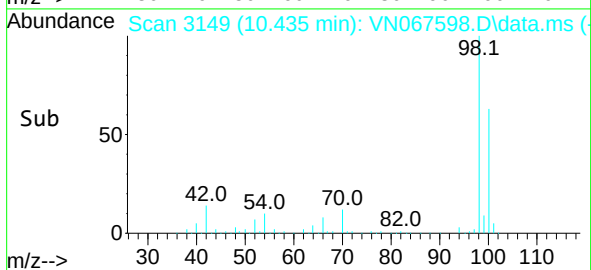
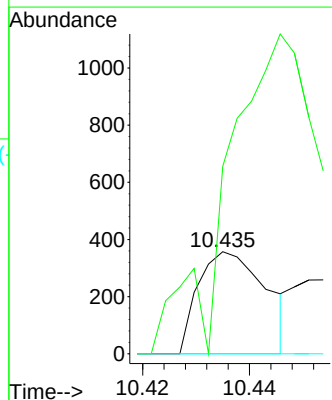
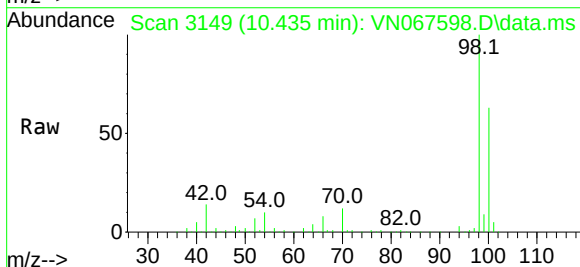


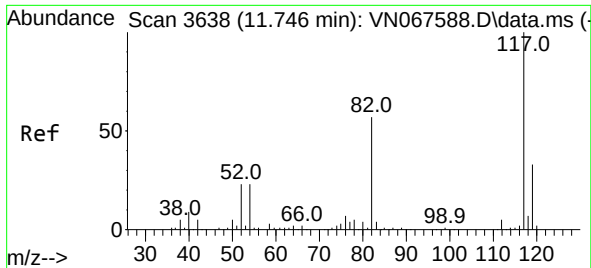
Tgt Ion: 97 Resp: 16245
Ion Ratio Lower Upper
97 100
83 3.2 69.6 104.4#
85 0.0 45.2 67.8#
99 236.9 47.8 71.6#



#55
2-Chloroethyl vinyl ether
Concen: 0.203 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. 0.392 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

Tgt Ion: 63 Resp: 313
Ion Ratio Lower Upper
63 100
65 37.1 25.6 38.4
106 0.0 20.0 30.0#

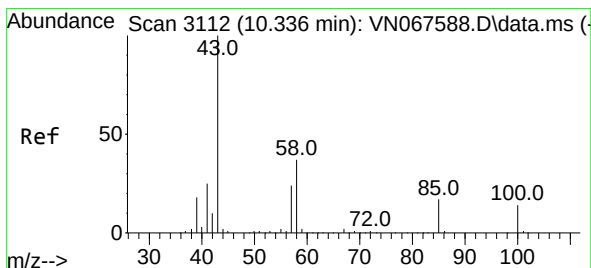
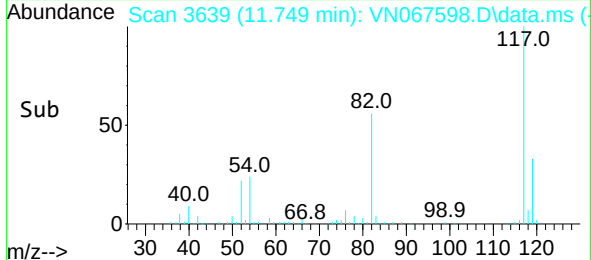
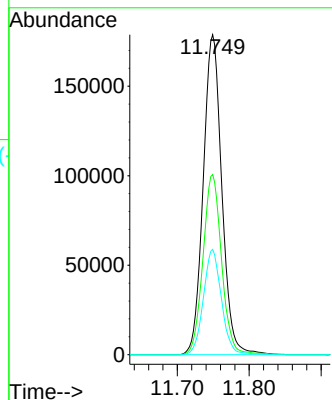
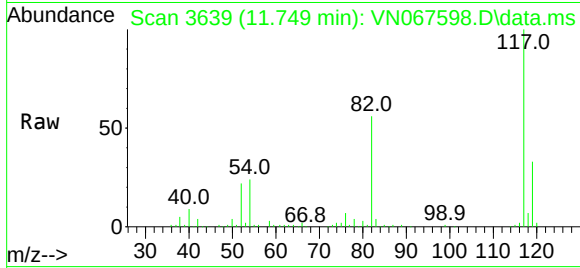




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

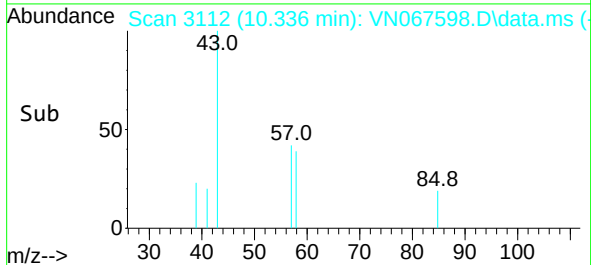
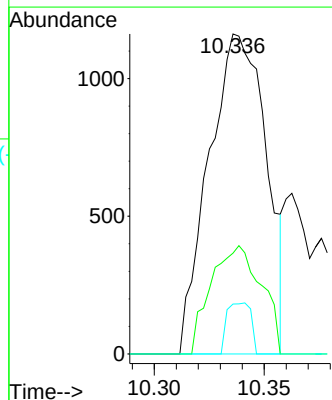
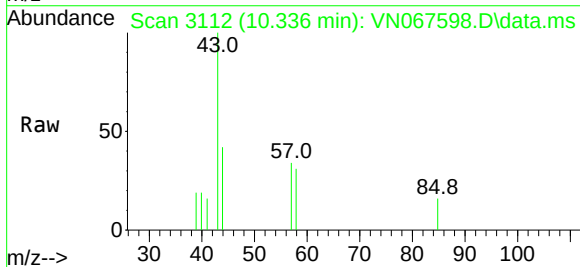
Instrument :
MSVOA_N
ClientSampled :

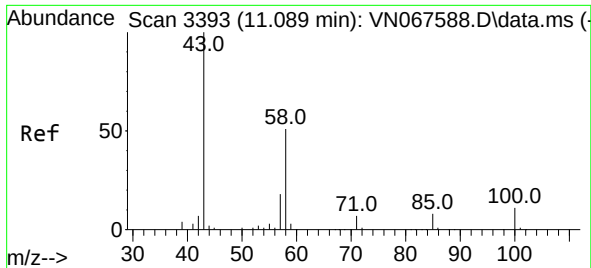
Tgt Ion:117 Resp: 322412
Ion Ratio Lower Upper
117 100
82 56.5 52.5 78.7
119 31.8 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 0.375 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
58 29.8 29.0 43.4
85 0.0 13.2 19.8#

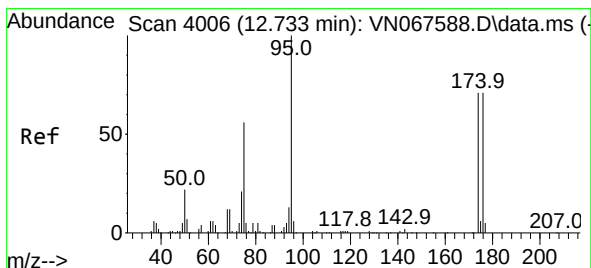
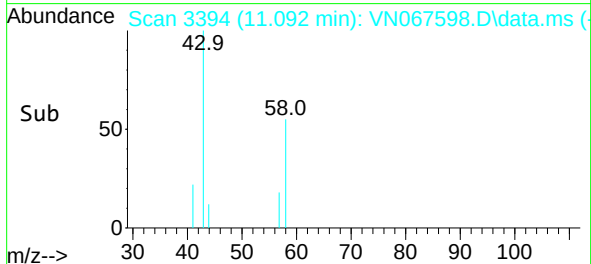
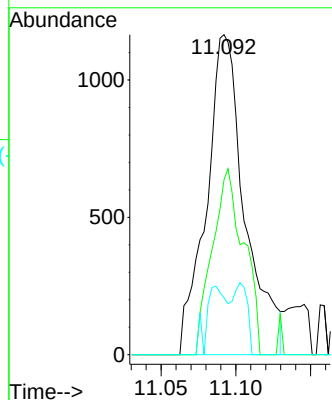
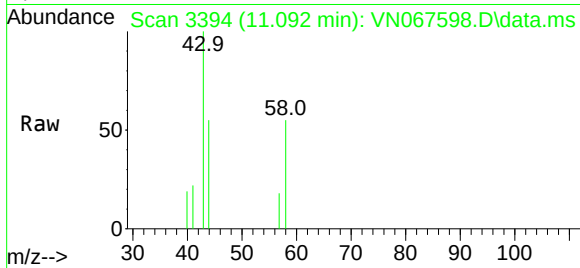




#59
2-Hexanone
Concen: 0.533 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

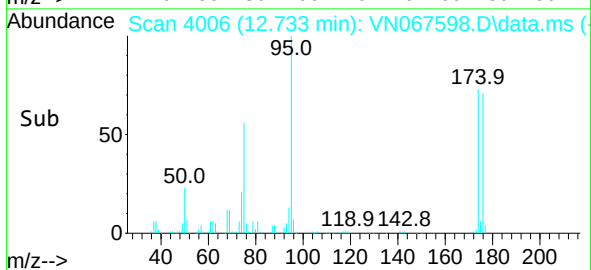
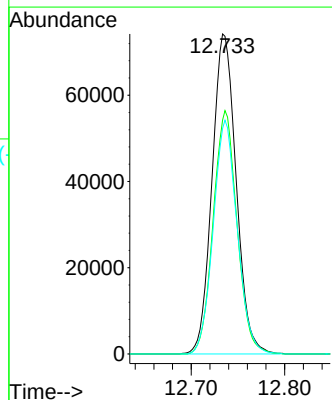
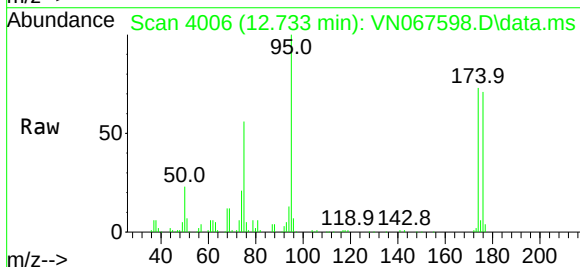
Instrument :
MSVOA_N
ClientSampled :

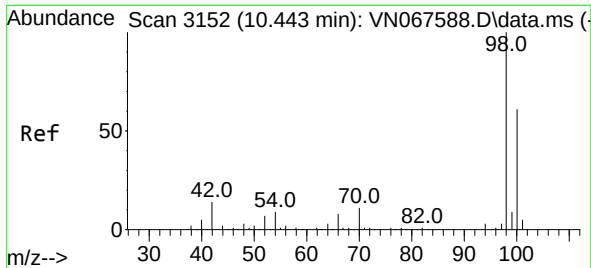
Tgt Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
58 37.3 39.4 59.0#
57 10.0 14.4 21.6#



#60
4-Bromofluorobenzene
Concen: 25.348 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

Tgt Ion: 95 Resp: 132953
Ion Ratio Lower Upper
95 100
174 75.0 47.7 71.5#
176 72.6 45.7 68.5#

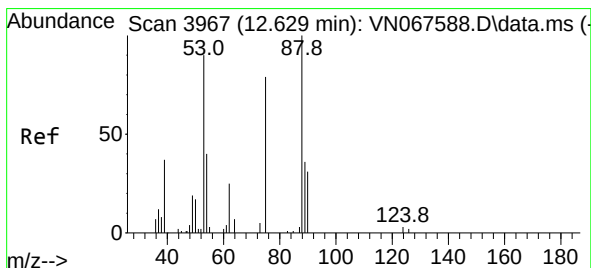
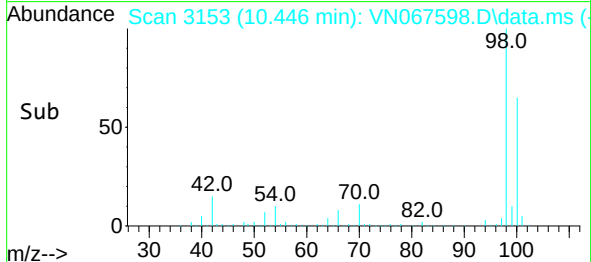
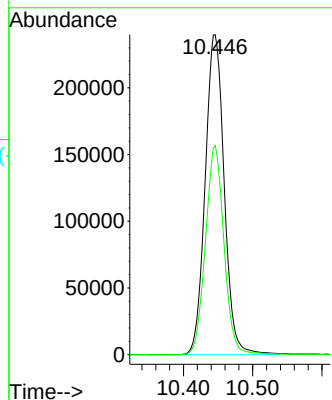
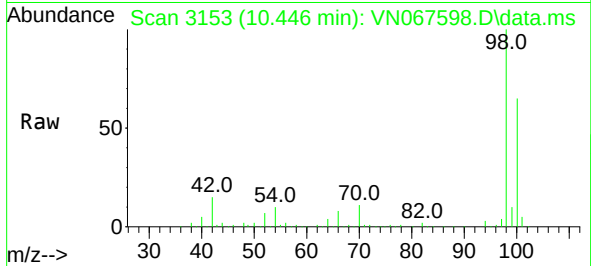




#63
Toluene-d8
Concen: 31.097 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

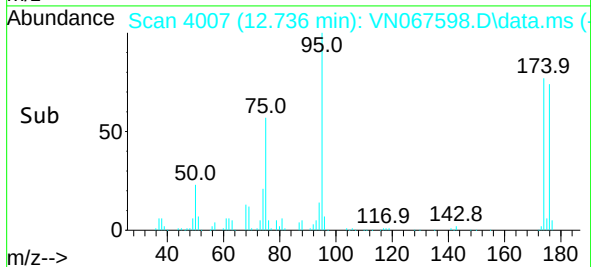
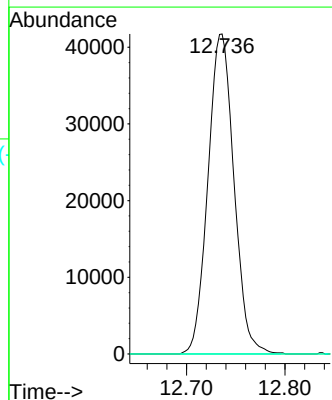
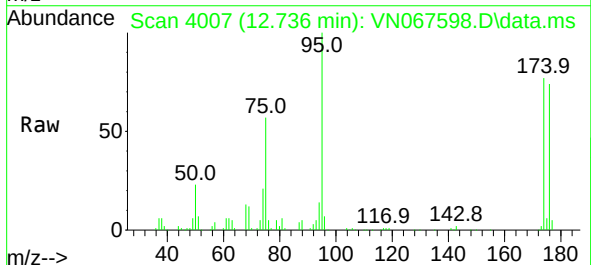
Instrument :
MSVOA_N
ClientSampled :

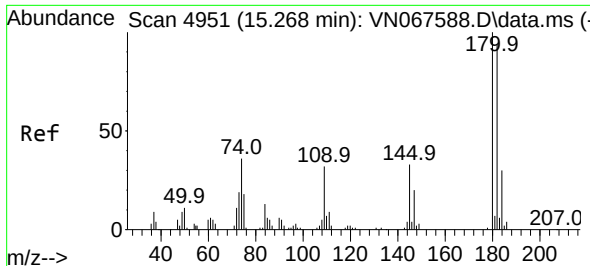
Tgt Ion: 98 Resp: 458765
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



#77
t-1,4-Dichloro-2-butene
Concen: 45.222 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

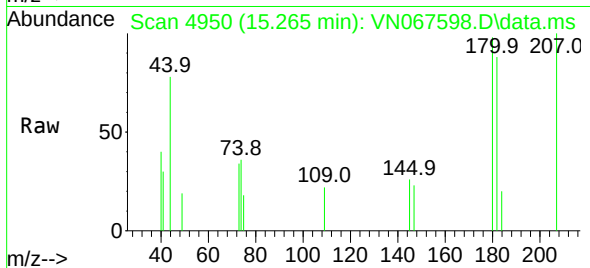
Tgt Ion: 75 Resp: 76740
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#



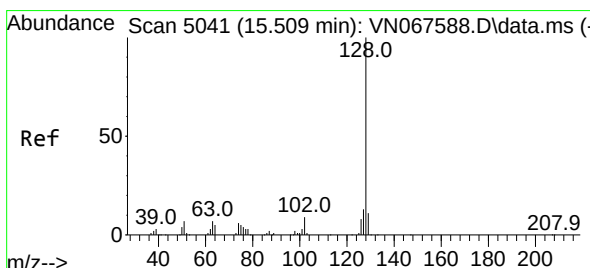
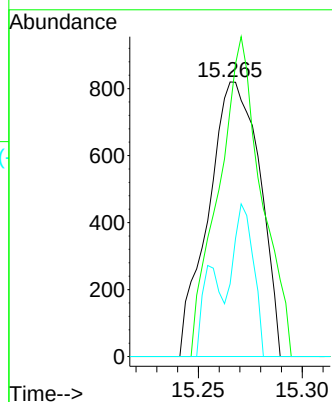
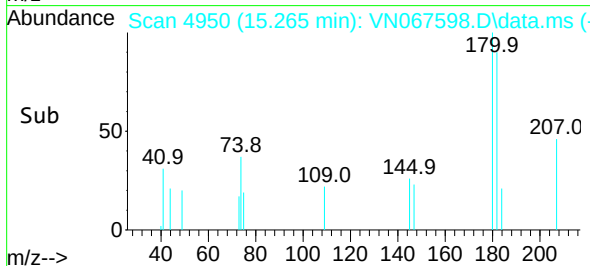


#89
1,2,4-Trichlorobenzene
Concen: 0.390 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. -0.003 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54

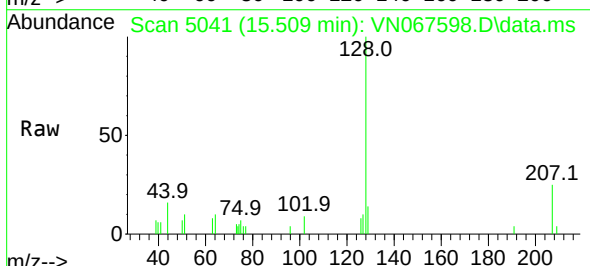
Instrument :
MSVOA_N
ClientSampled :



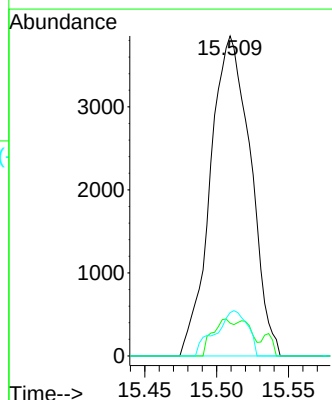
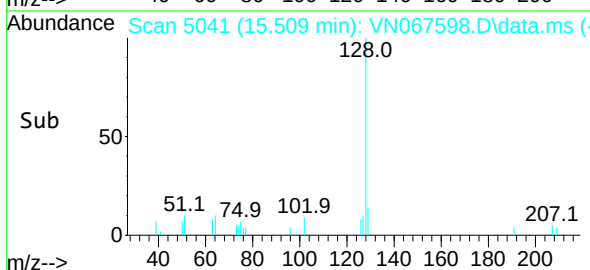
Tgt Ion:180 Resp: 1409
Ion Ratio Lower Upper
180 100
182 96.7 75.9 113.9
145 22.2 28.8 43.2#

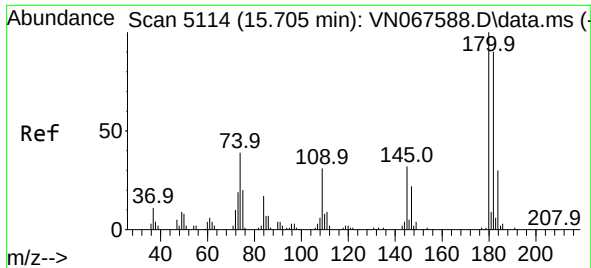


#91
Naphthalene
Concen: 0.671 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067598.D
Acq: 1 Jul 2021 15:54



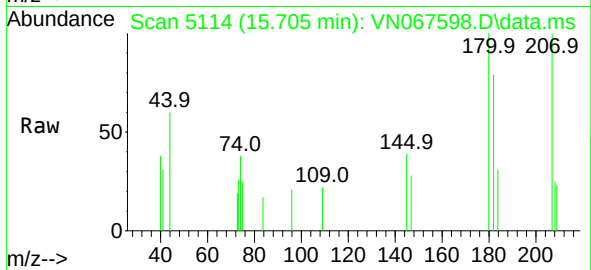
Tgt Ion:128 Resp: 7466
Ion Ratio Lower Upper
128 100
127 6.0 10.1 15.1#
129 11.3 8.9 13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 0.524 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.000 min
 Lab File: VN067598.D
 Acq: 1 Jul 2021 15:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1805
Ion	Ratio	Lower	Upper
180	100		
182	81.2	0.0	184.6
145	14.8	0.0	76.0

