

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067680.D
 Acq On : 9 Jul 2021 12:18
 Operator : JC/MD
 Sample : VN0709WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBL02

Quant Time: Jul 10 05:23:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

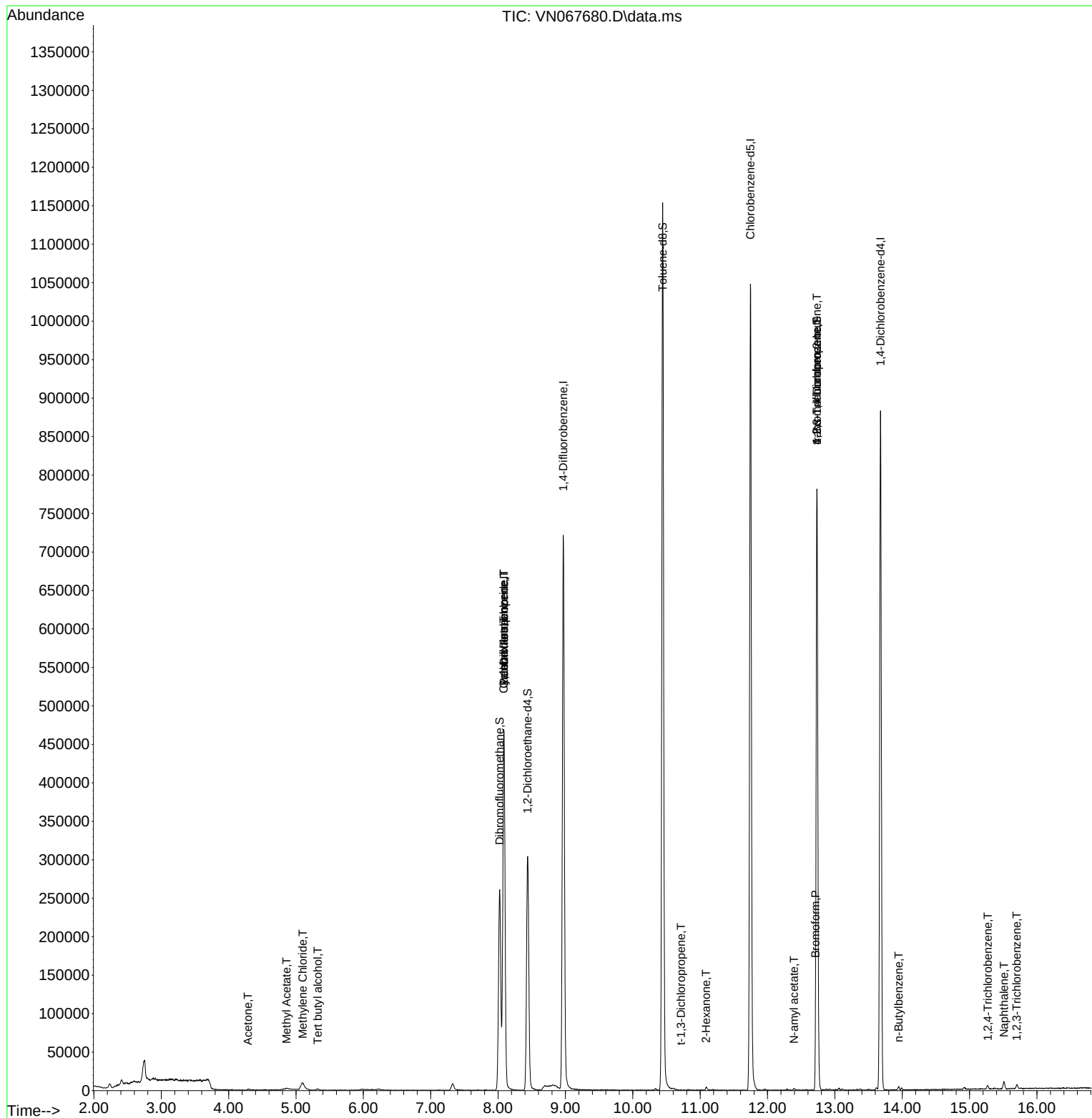
Internal Standards						
1) Pentafluorobenzene	8.086	168	337168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	628798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	595540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	221929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	263357	51.683	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.360%			
35) Dibromofluoromethane	8.024	113	188199	49.538	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.080%			
50) Toluene-d8	10.443	98	797548	50.154	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.300%			
62) 4-Bromofluorobenzene	12.733	95	269280	47.937	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.880%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.821	94	187	Below Cal	#	4
6) Chloroethane	3.046	64	136	Below Cal	#	44
11) Tert butyl alcohol	5.320	59	504	0.688	ug/l #	71
13) Acrolein	4.041	56	346	Below Cal	#	35
16) Acetone	4.285	43	1314	0.820	ug/l #	48
18) Methyl Acetate	4.859	43	1367	0.304	ug/l #	76
20) Methylene Chloride	5.098	84	6093	0.945	ug/l #	76
31) Cyclohexane	8.083	56	9815	1.374	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	31350	5.367	ug/l #	53
38) Carbon Tetrachloride	8.088	117	37724	6.548	ug/l #	16
53) t-1,3-Dichloropropene	10.717	75	49	1.751	ug/l #	43
59) 2-Hexanone	11.087	43	2948	0.691	ug/l #	51
71) Bromoform	12.712	173	43	3.186	ug/l #	29
74) N-amyl acetate	12.393	43	1773	0.273	ug/l #	80
76) 1,2,3-Trichloropropane	12.733	75	153322	33.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	153322	109.070	ug/l #	6
89) n-Butylbenzene	13.948	91	2624	0.221	ug/l	95
93) 1,2,4-Trichlorobenzene	15.271	180	1738	3.119	ug/l	98
95) Naphthalene	15.512	128	8367	3.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	1990	3.164	ug/l	85

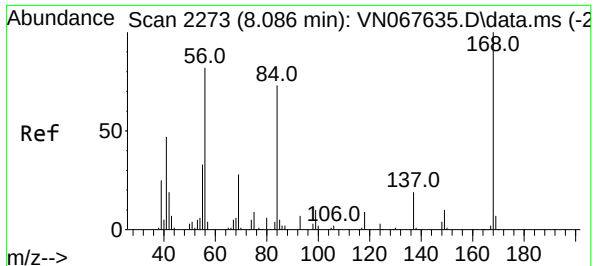
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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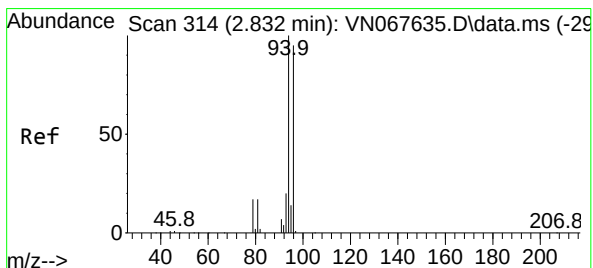
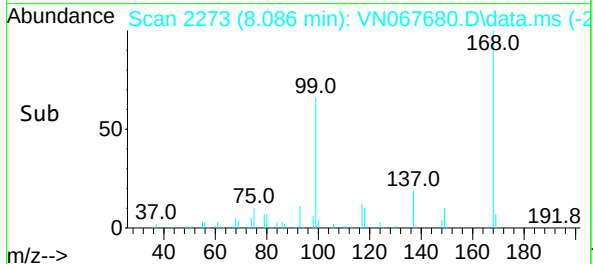
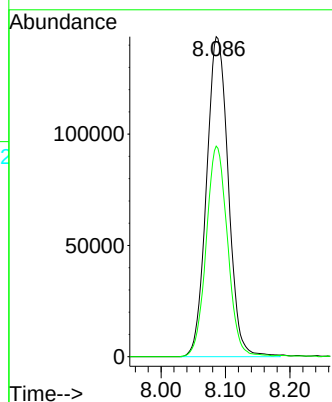
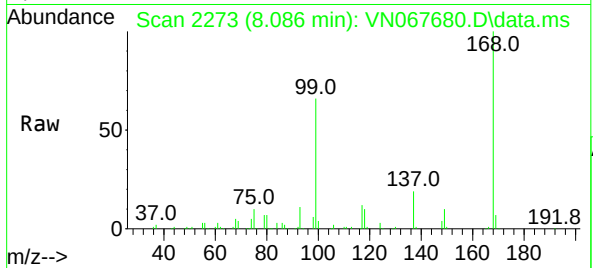




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

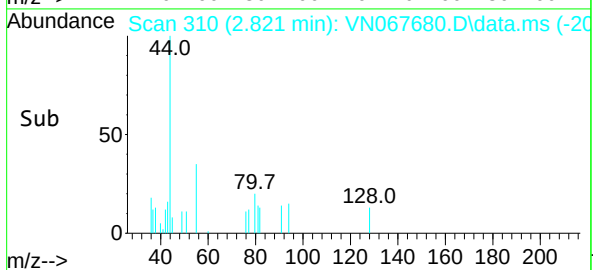
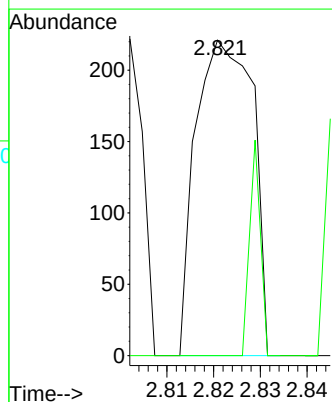
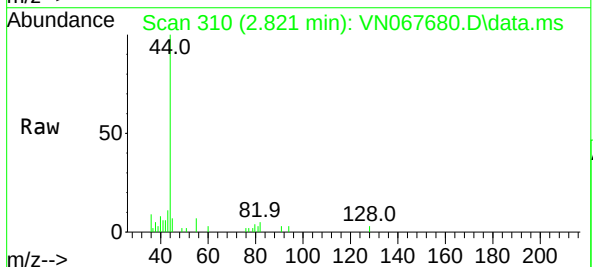
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

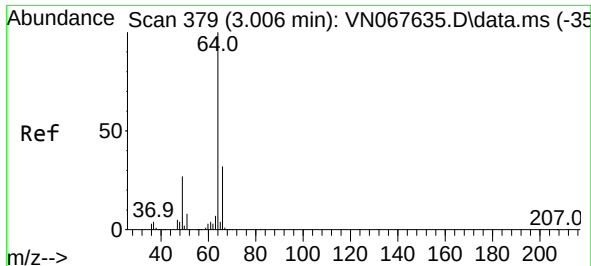
Tgt Ion:168 Resp: 337168
Ion Ratio Lower Upper
168 100
99 65.8 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.821 min Scan# 310
Delta R.T. -0.011 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

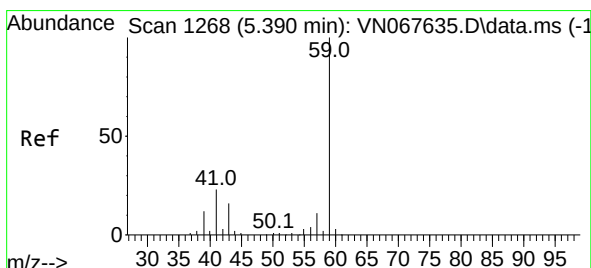
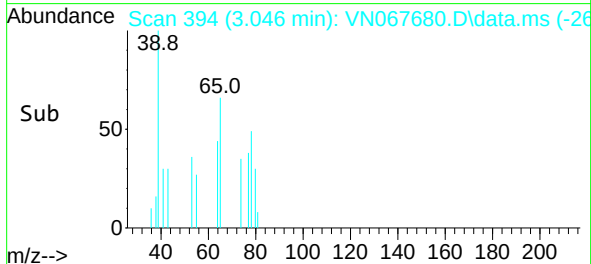
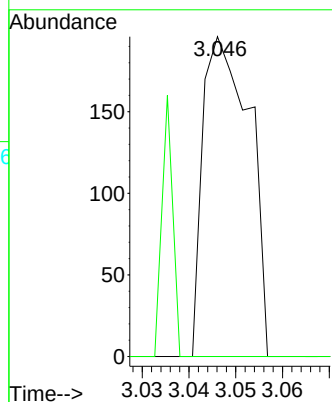
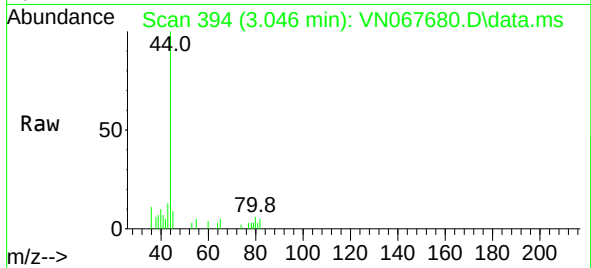




#6
Chloroethane
Concen: Below Cal
RT: 3.046 min Scan# 394
Delta R.T. 0.040 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

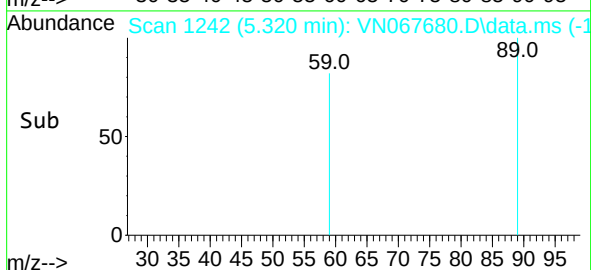
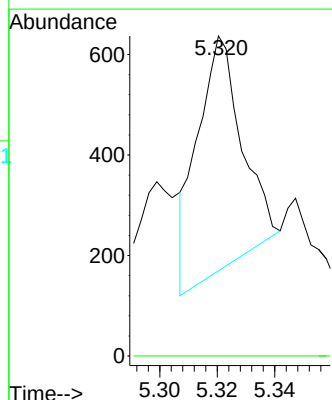
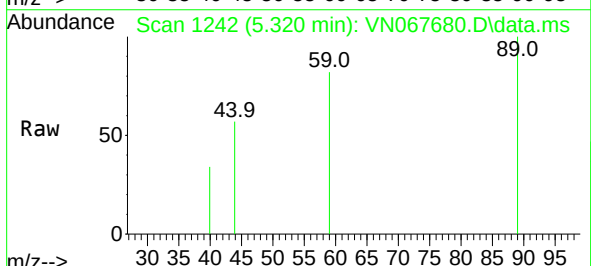
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

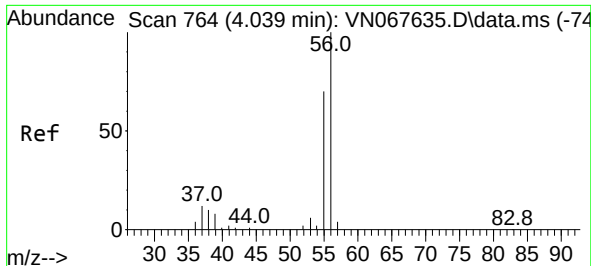
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.688 ug/l
RT: 5.320 min Scan# 1242
Delta R.T. -0.070 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

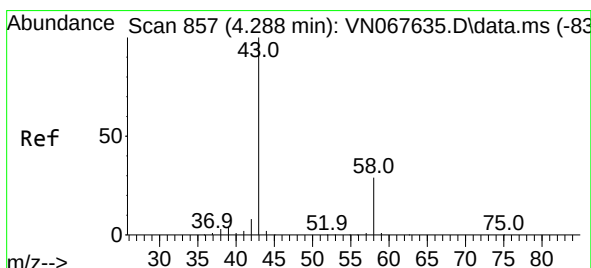
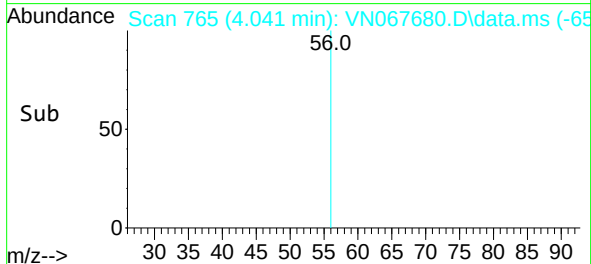
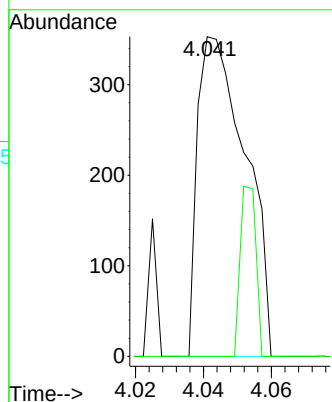
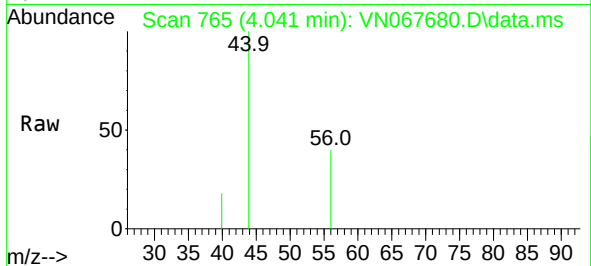




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

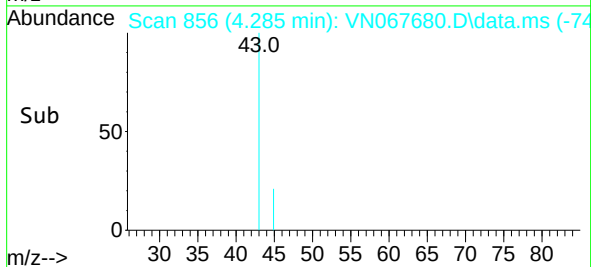
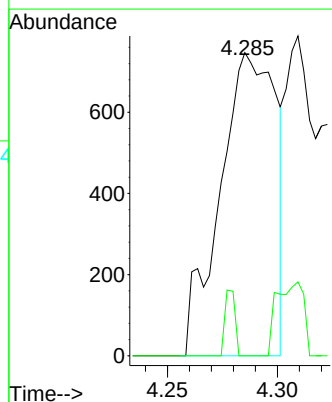
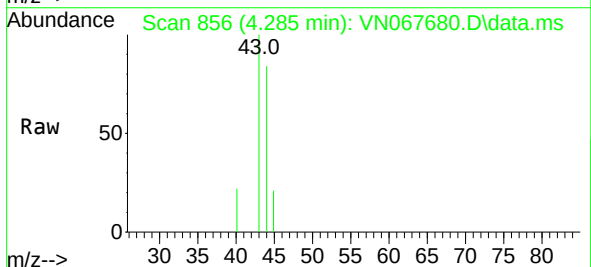
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

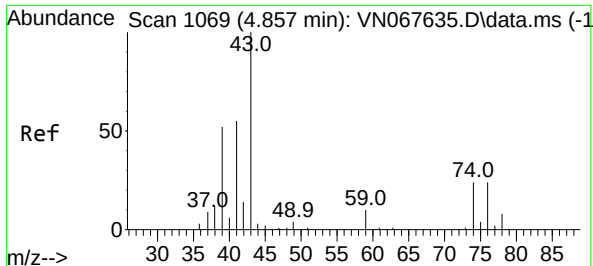
Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 17.3 57.4 86.0#



#16
Acetone
Concen: 0.820 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.003 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion: 43 Resp: 1314
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





#18

Methyl Acetate

Concen: 0.304 ug/l

RT: 4.859 min Scan# 1070

Delta R.T. 0.002 min

Lab File: VN067680.D

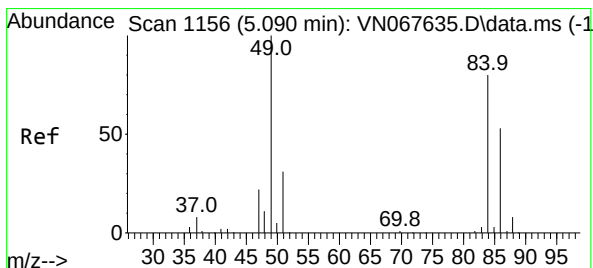
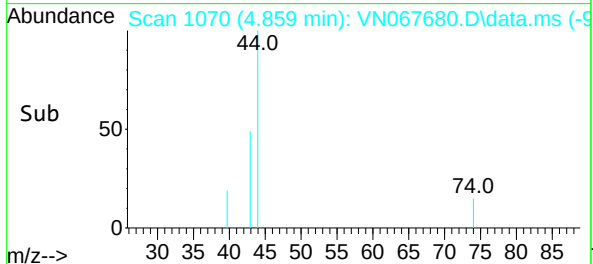
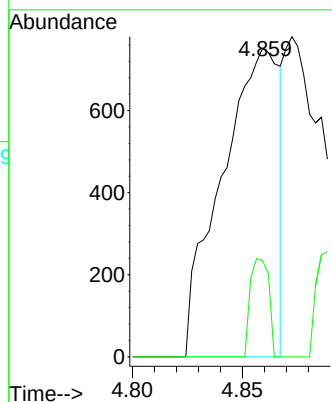
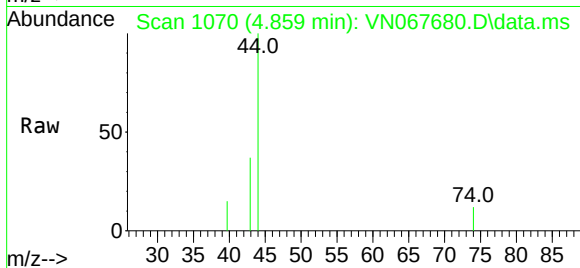
Acq: 9 Jul 2021 12:18

Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

74 10.2 17.4 26.0#



#20

Methylene Chloride

Concen: 0.945 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.008 min

Lab File: VN067680.D

Acq: 9 Jul 2021 12:18

Tgt Ion: 84 Resp: 6093

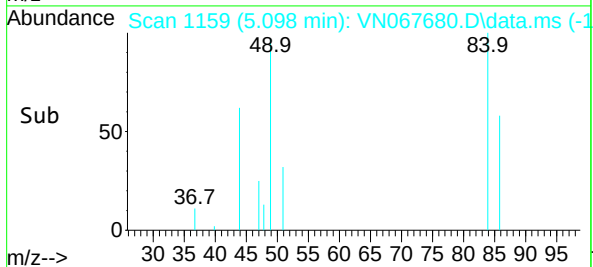
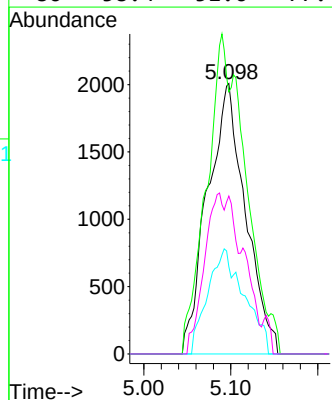
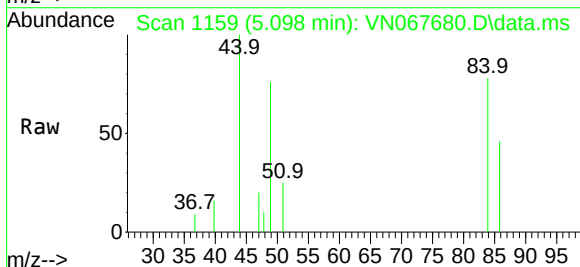
Ion Ratio Lower Upper

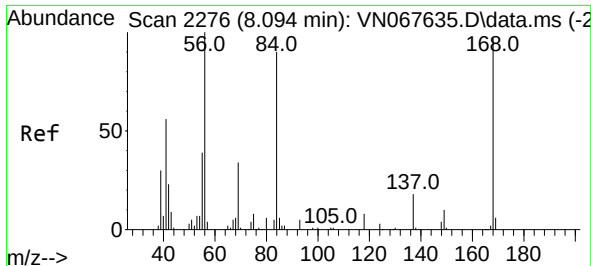
84 100

49 97.0 110.9 166.3#

51 32.3 32.6 49.0#

86 58.4 51.6 77.4

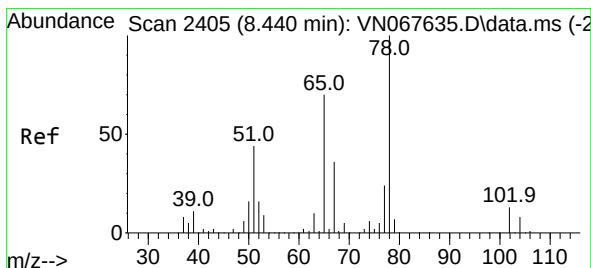
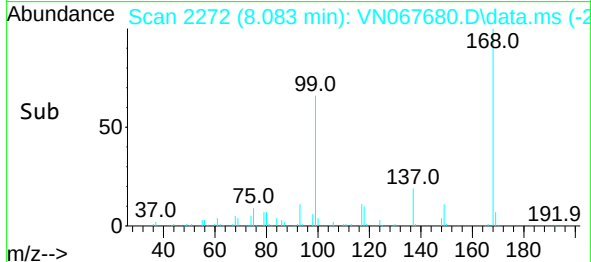
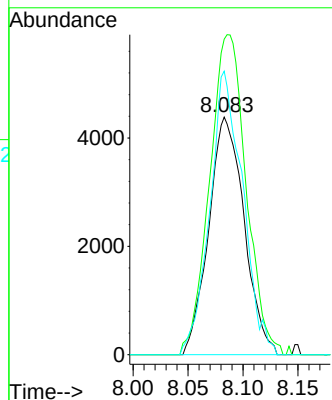
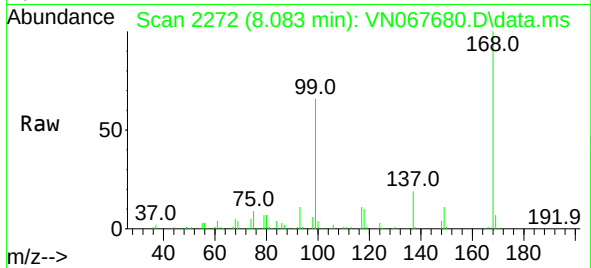




#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

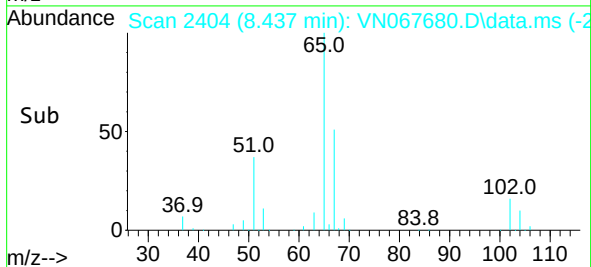
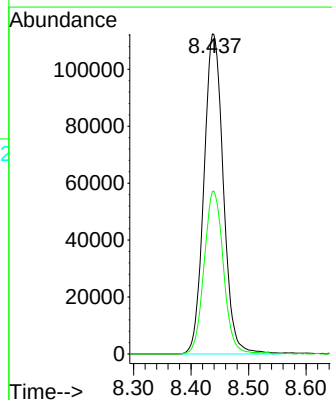
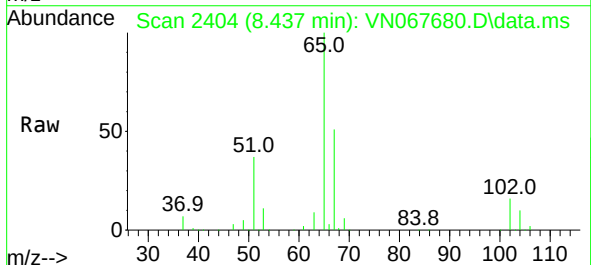
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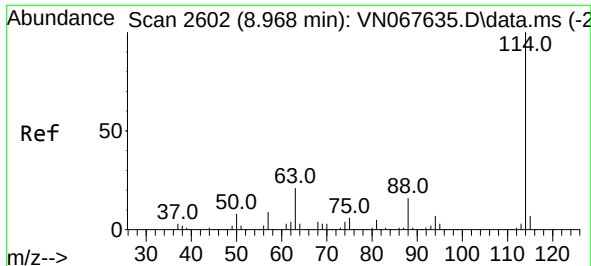
Tgt Ion: 56 Resp: 9815
Ion Ratio Lower Upper
56 100
69 132.8 27.3 40.9#
84 119.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.683 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion: 65 Resp: 263357
Ion Ratio Lower Upper
65 100
67 50.5 0.0 98.6

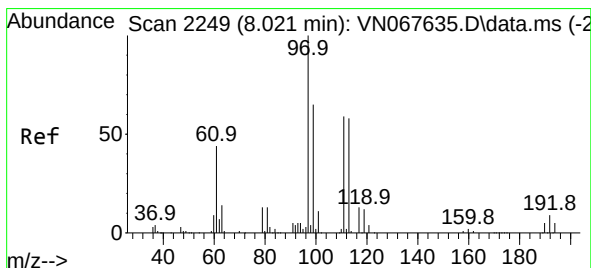
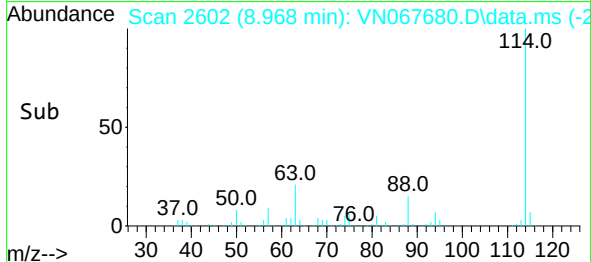
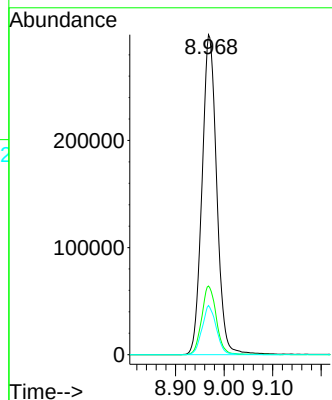
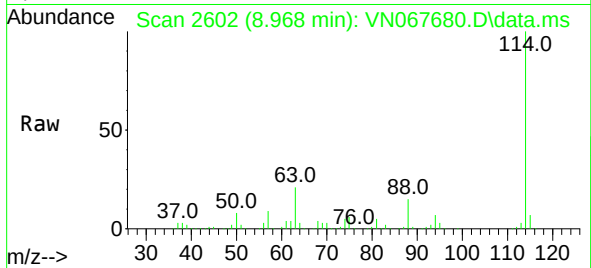




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

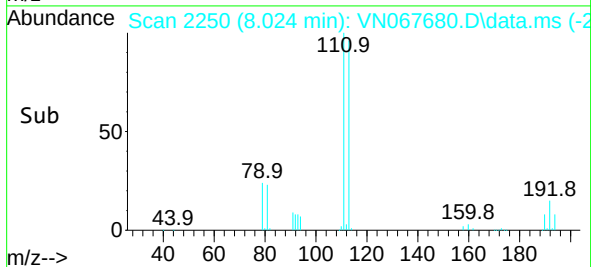
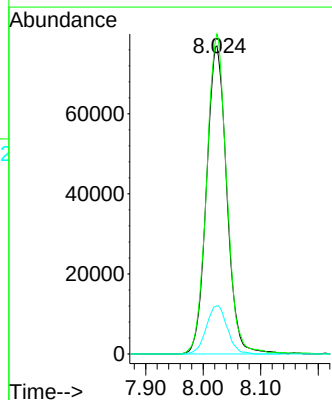
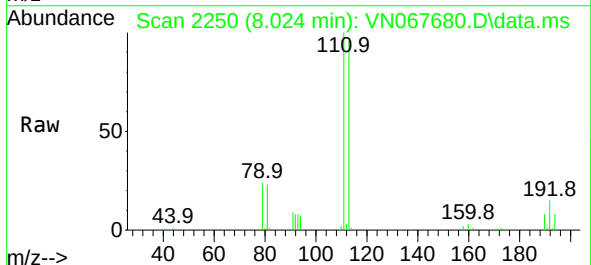
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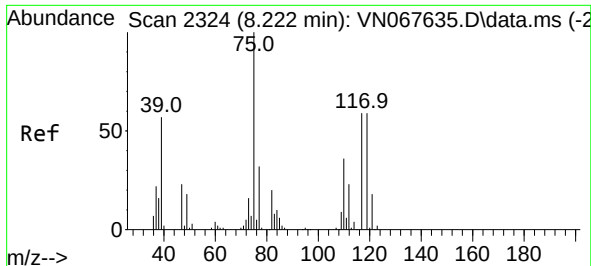
Tgt Ion:114 Resp: 628798
Ion Ratio Lower Upper
114 100
63 21.5 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.538 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion:113 Resp: 188199
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 16.2 13.4 20.0

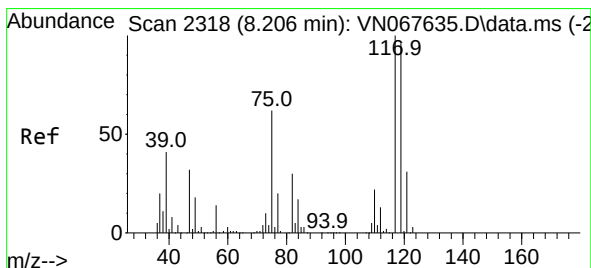
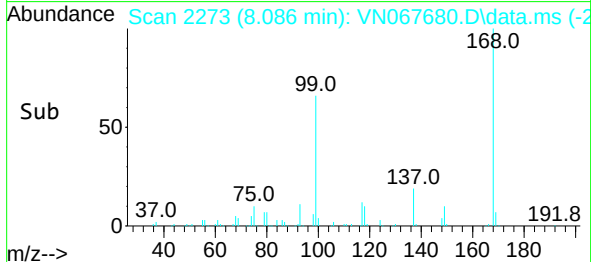
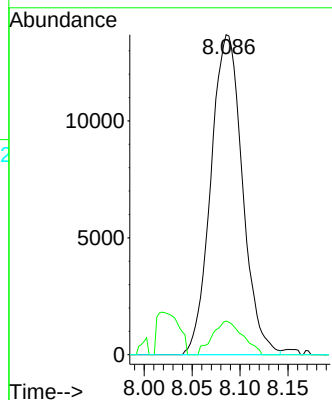
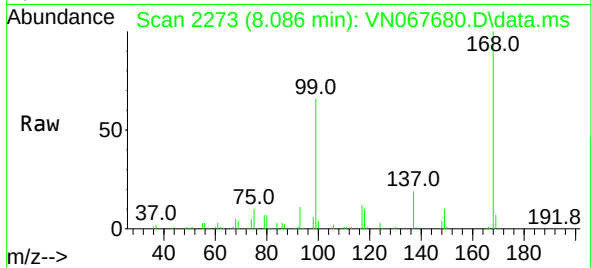




#36
 1,1-Dichloropropene
 Concen: 5.367 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN067680.D
 Acq: 9 Jul 2021 12:18

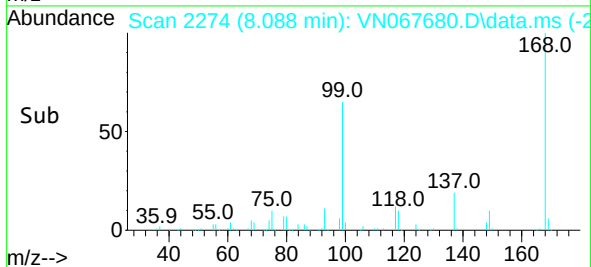
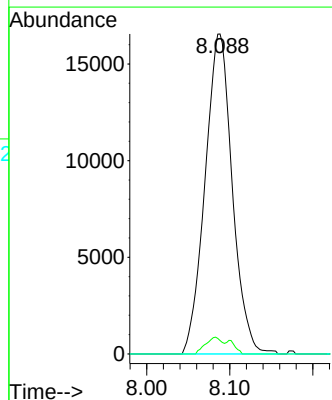
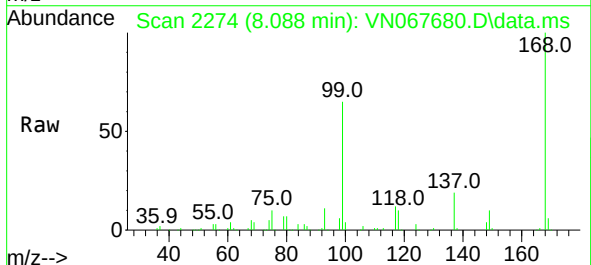
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBL02

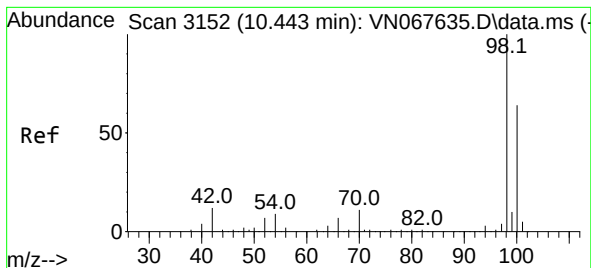
Tgt Ion: 75 Resp: 31350
 Ion Ratio Lower Upper
 75 100
 110 10.0 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.548 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN067680.D
 Acq: 9 Jul 2021 12:18

Tgt Ion: 117 Resp: 37724
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.4 113.2#
 121 0.0 23.5 35.3#

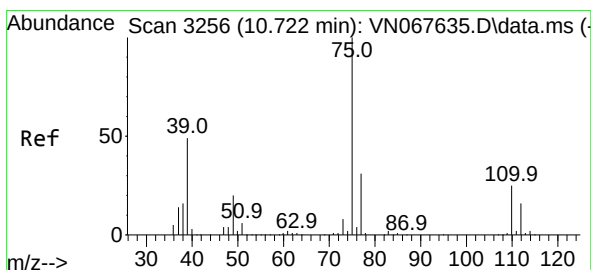
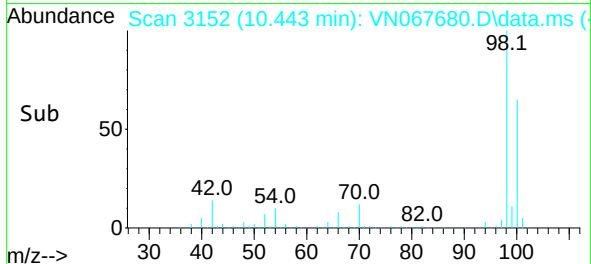
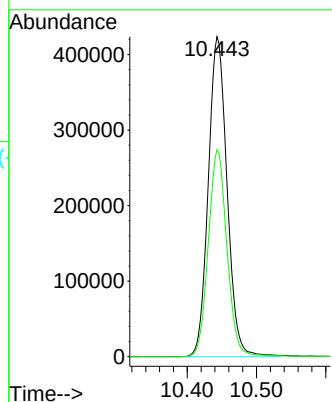
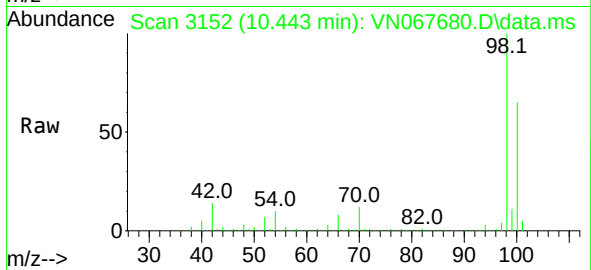




#50
Toluene-d8
Concen: 50.154 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

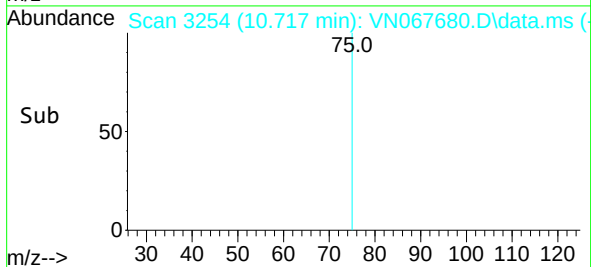
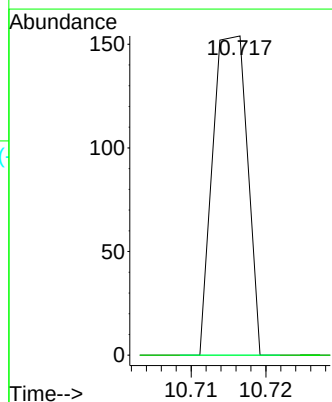
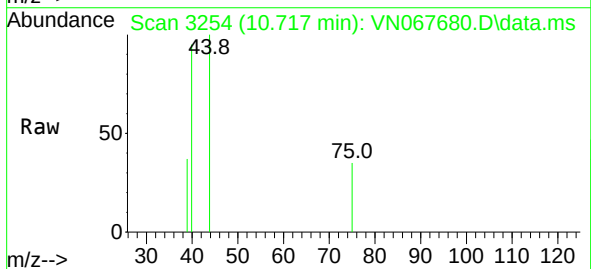
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

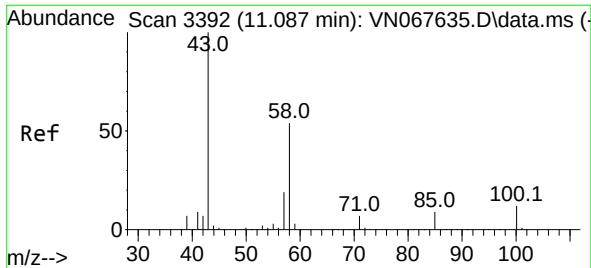
Tgt Ion: 98 Resp: 797548
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.751 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.005 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

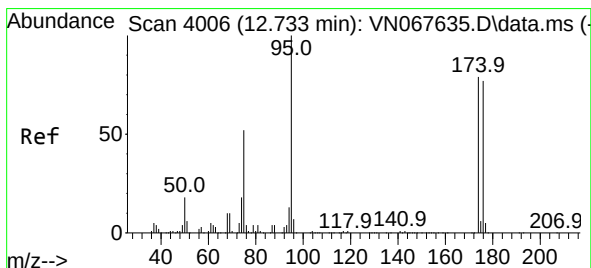
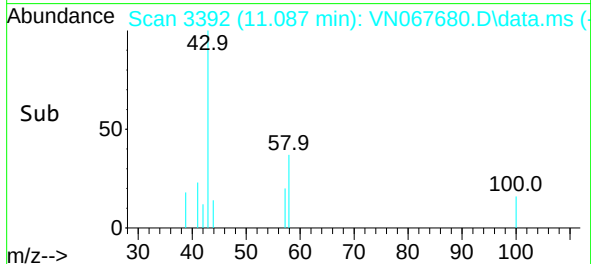
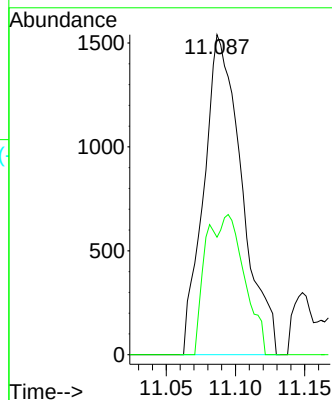
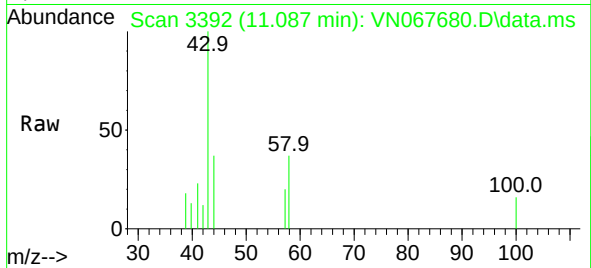




#59
2-Hexanone
Concen: 0.691 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

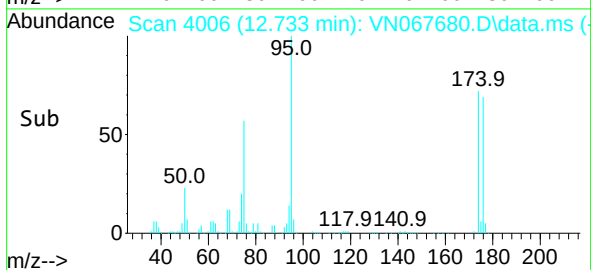
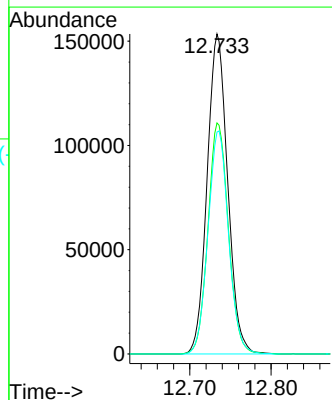
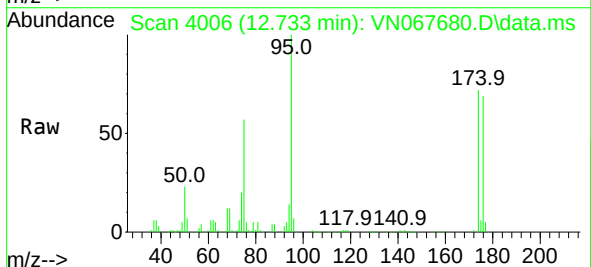
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

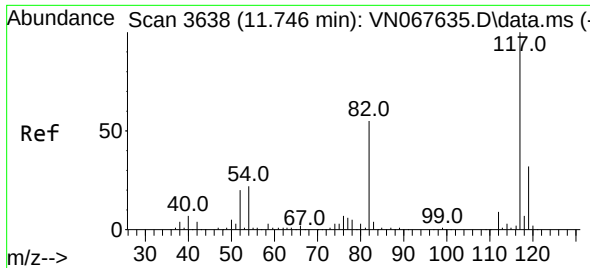
Tgt Ion: 43 Resp: 2948
Ion Ratio Lower Upper
43 100
58 16.1 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 47.937 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion: 95 Resp: 269280
Ion Ratio Lower Upper
95 100
174 71.9 0.0 122.0
176 69.7 0.0 117.6

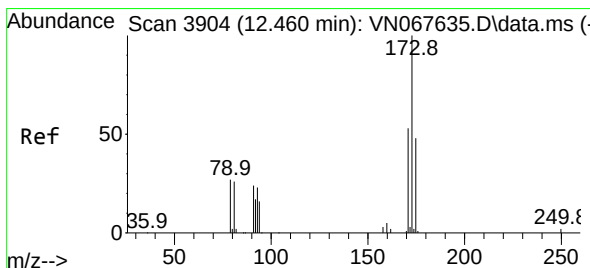
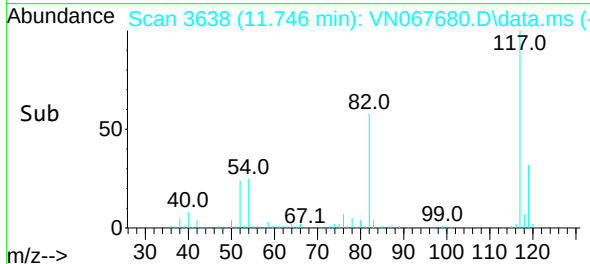
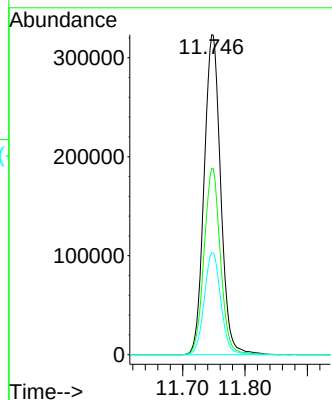
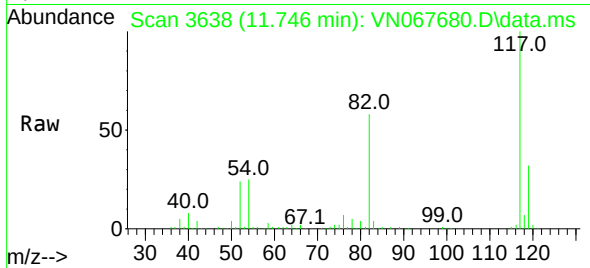




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

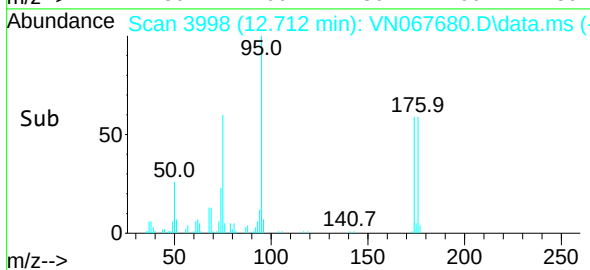
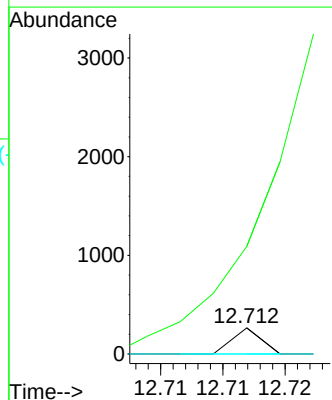
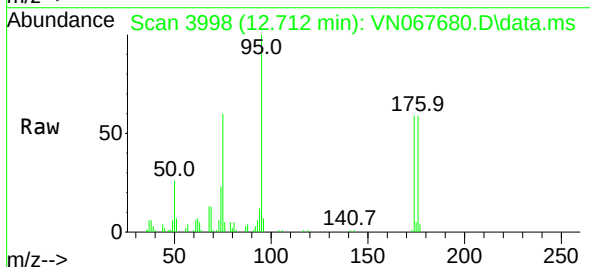
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

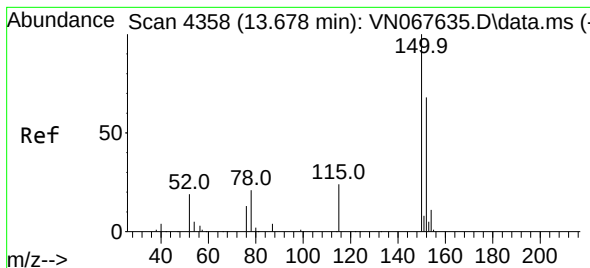
Tgt Ion:117 Resp: 595540
Ion Ratio Lower Upper
117 100
82 58.2 53.1 79.7
119 31.9 25.5 38.3



#71
Bromoform
Concen: 3.186 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion:173 Resp: 43
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

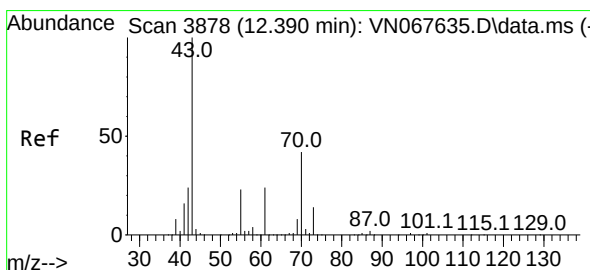
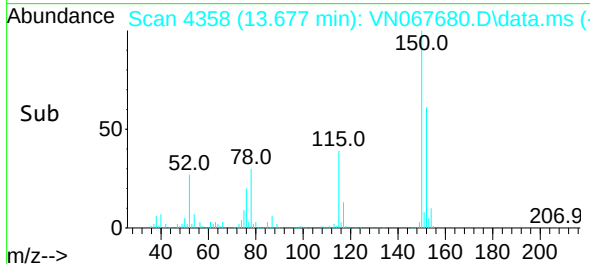
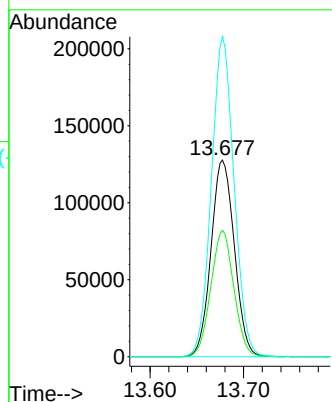
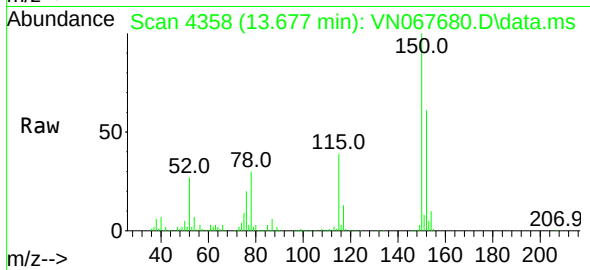




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

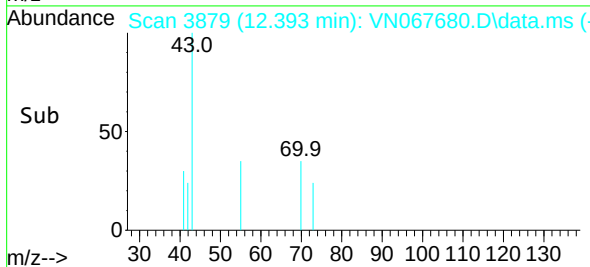
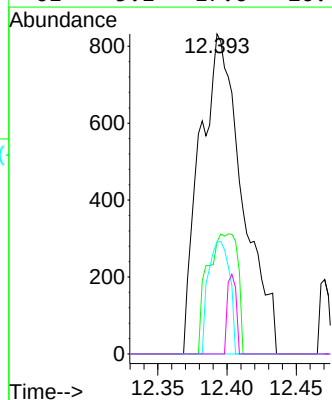
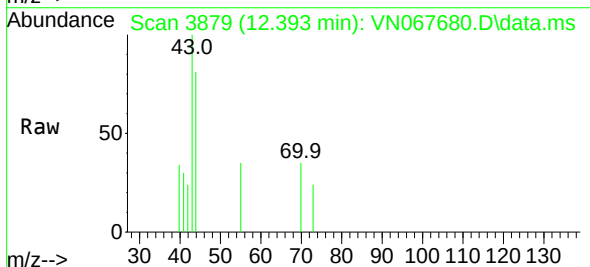
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

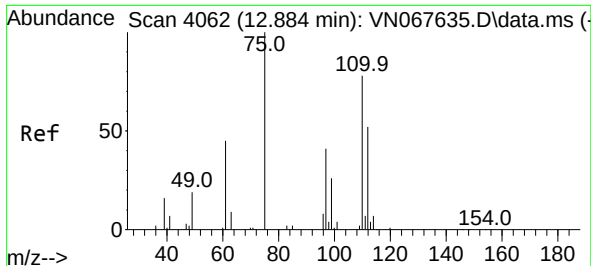
Tgt Ion:152 Resp: 221929
Ion Ratio Lower Upper
152 100
115 63.3 36.1 108.5
150 158.3 0.0 351.8



#74
N-ethyl acetate
Concen: 0.273 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion: 43 Resp: 1773
Ion Ratio Lower Upper
43 100
70 26.5 29.4 44.2#
55 17.5 17.0 25.4
61 5.1 17.6 26.4#

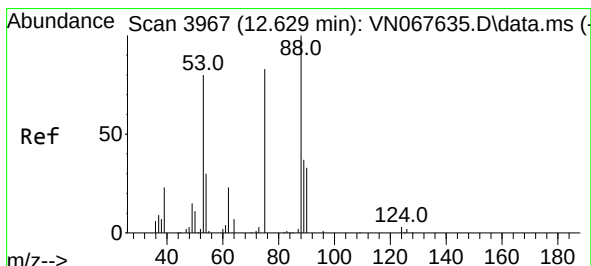
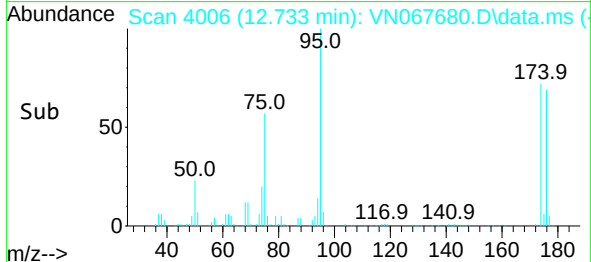
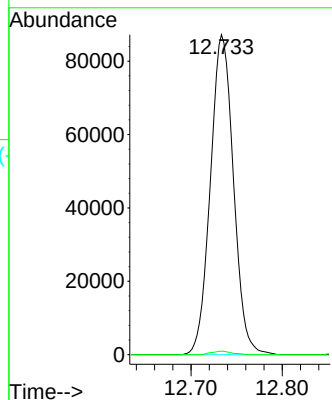
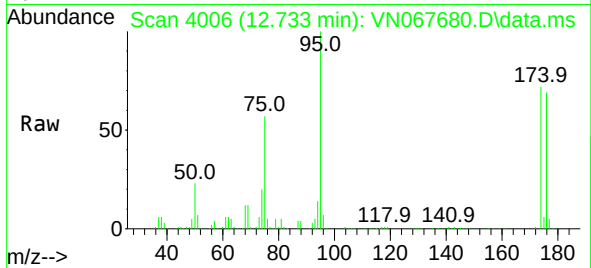




#76
1,2,3-Trichloropropane
Concen: 33.830 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

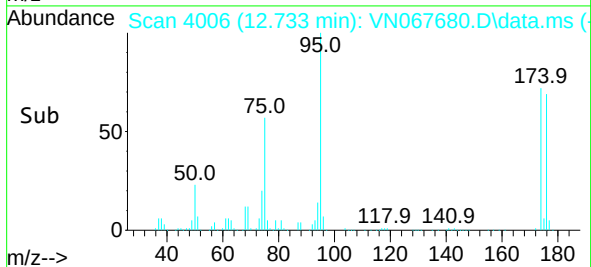
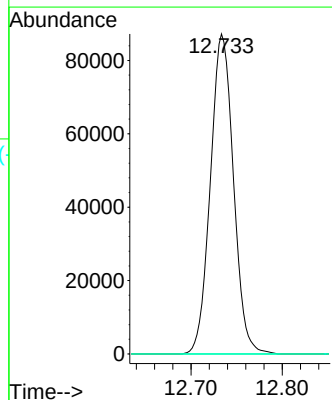
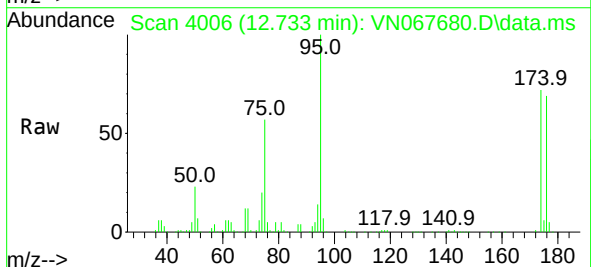
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

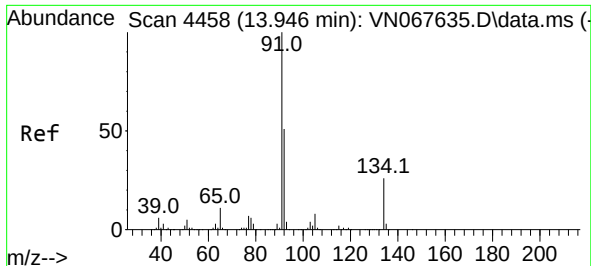
Tgt Ion: 75 Resp: 153322
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.070 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion: 75 Resp: 153322
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

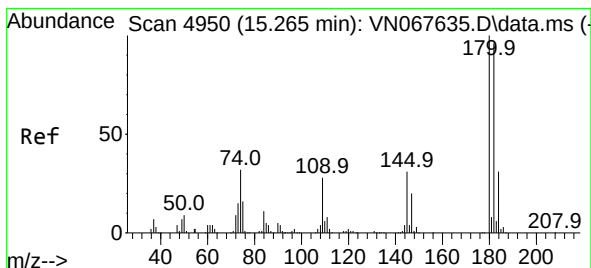
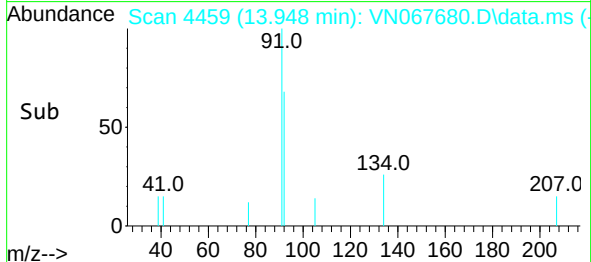
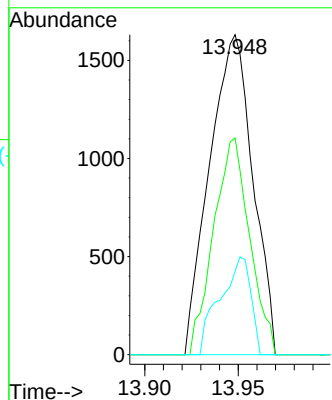
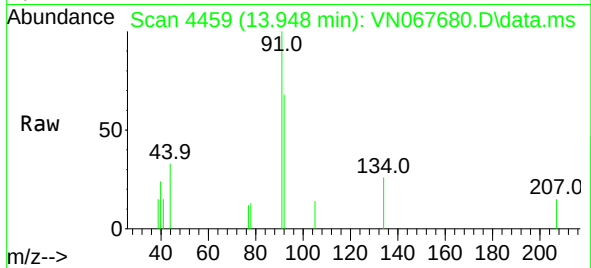




#89
n-Butylbenzene
Concen: 0.221 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.002 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

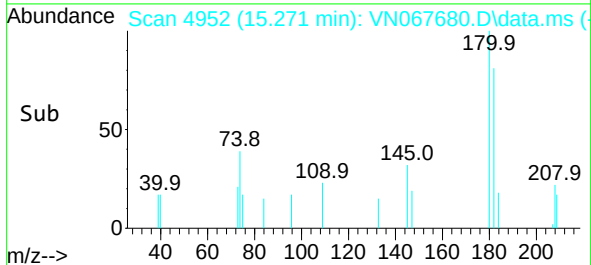
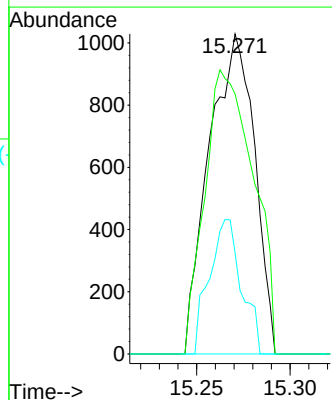
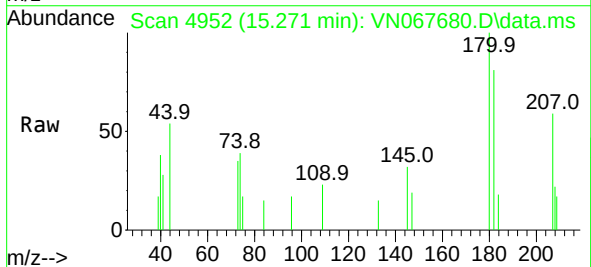
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

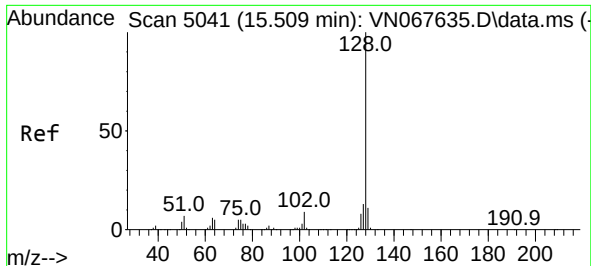
Tgt Ion:	91	Resp:	2624
Ion	Ratio	Lower	Upper
91	100		
92	56.4	25.7	77.1
134	21.7	11.2	33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.119 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion:	180	Resp:	1738
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	29.8	17.2	51.6

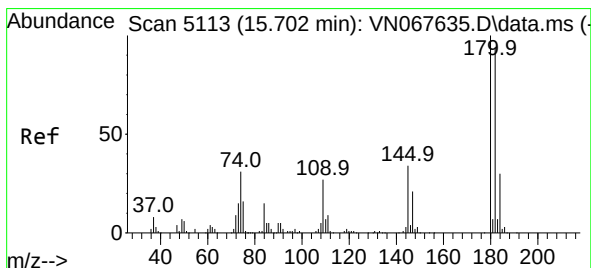
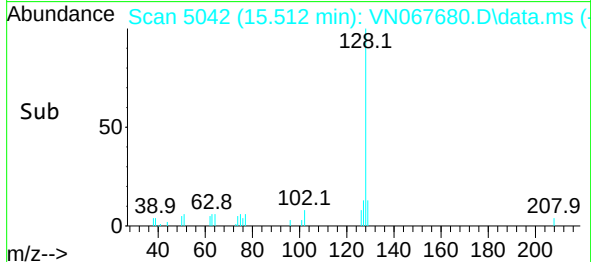
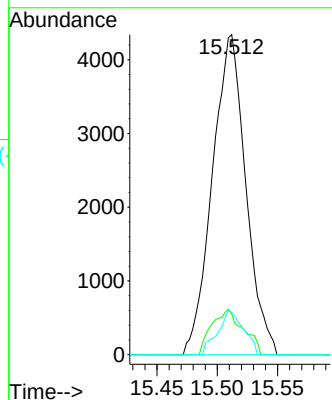
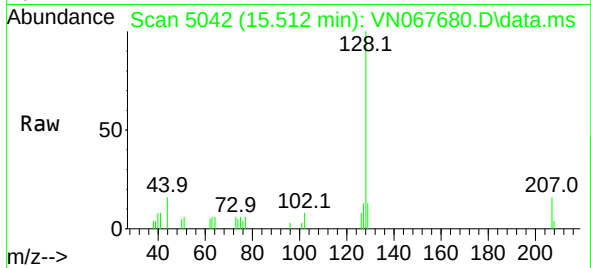




#95
Naphthalene
Concen: 3.736 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL02

Tgt Ion:128 Resp: 8367
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.164 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN067680.D
Acq: 9 Jul 2021 12:18

Tgt Ion:180 Resp: 1990
Ion Ratio Lower Upper
180 100
182 77.0 47.8 143.3
145 34.4 18.2 54.6

