

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067136.D
 Acq On : 18 May 2021 18:51
 Operator : JC/MD
 Sample : M2440-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:52:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

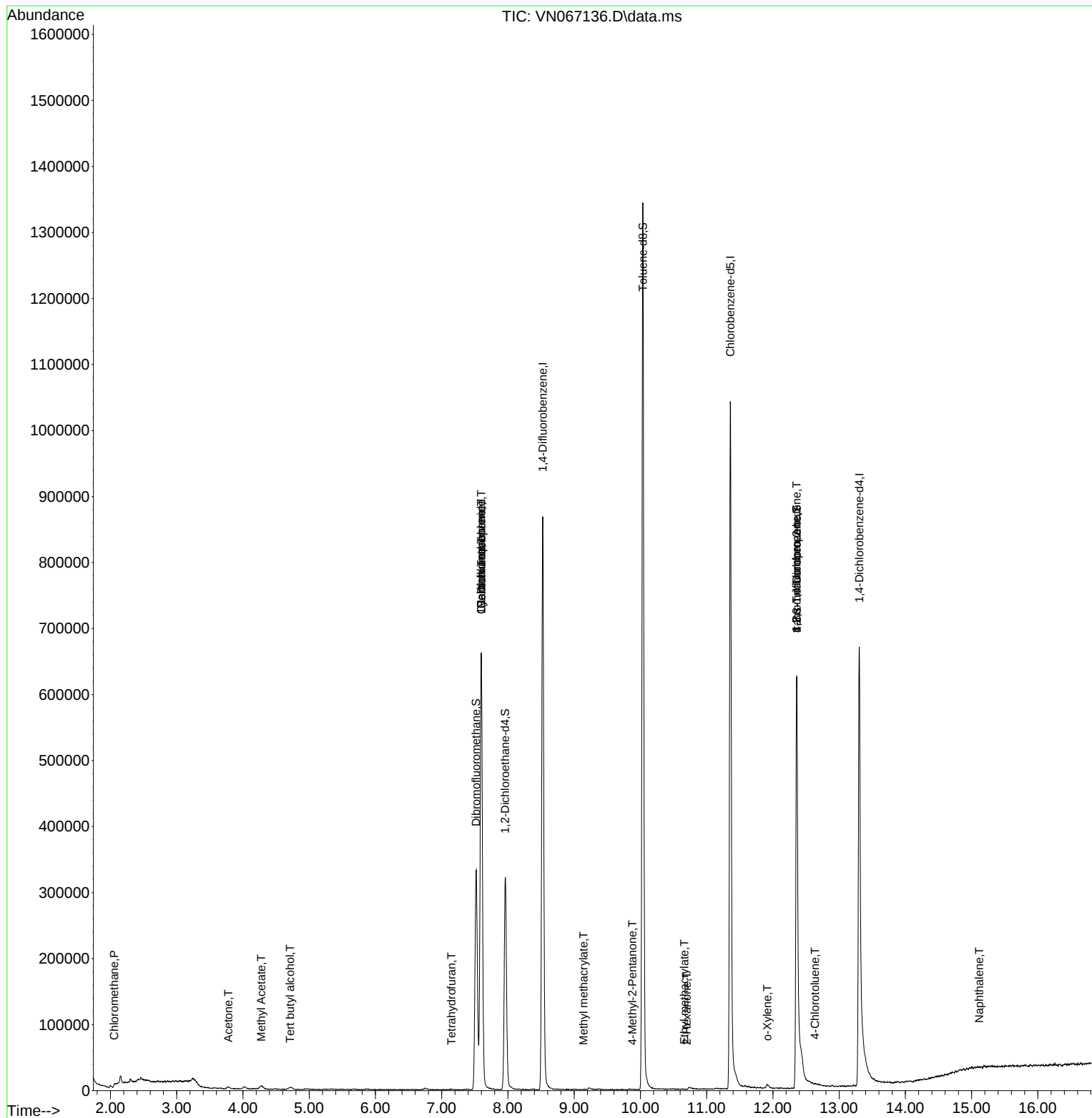
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.597	168	637194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	872610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	748280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	303845	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	288221	41.87	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	83.74%
35) Dibromofluoromethane	7.519	113	268263	46.82	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.64%
50) Toluene-d8	10.037	98	1016487	46.81	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.62%
62) 4-Bromofluorobenzene	12.357	95	304828	41.90	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	83.80%
Target Compounds						
					Qvalue	
3) Chloromethane	2.056	50	1893	0.27	ug/l	89
11) Tert butyl alcohol	4.711	59	3929	3.42	ug/l #	91
13) Acrolein	3.569	56	1301	Below Cal	#	50
16) Acetone	3.780	43	5274	2.47	ug/l #	86
18) Methyl Acetate	4.277	43	9888	1.55	ug/l	91
29) Tetrahydrofuran	7.149	42	619	0.30	ug/l #	28
31) Cyclohexane	7.600	56	9338	0.98	ug/l #	1
36) 1,1-Dichloropropene	7.600	75	36123	4.54	ug/l #	48
38) Carbon Tetrachloride	7.597	117	51535	6.08	ug/l #	15
48) Methyl methacrylate	9.142	41	263	1.99	ug/l #	9
51) 4-Methyl-2-Pentanone	9.877	43	190	5.43	ug/l #	33
56) Ethyl methacrylate	10.665	69	51	1.95	ug/l #	31
59) 2-Hexanone	10.697	43	125	21.94	ug/l #	21
69) o-Xylene	11.918	106	2595	0.24	ug/l	81
76) 1,2,3-Trichloropropane	12.357	75	139327	21.73	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.357	75	139327	65.35	ug/l #	15
82) 4-Chlorotoluene	12.634	91	516	1.21	ug/l	85
95) Naphthalene	15.114	128	215	3.27	ug/l #	69

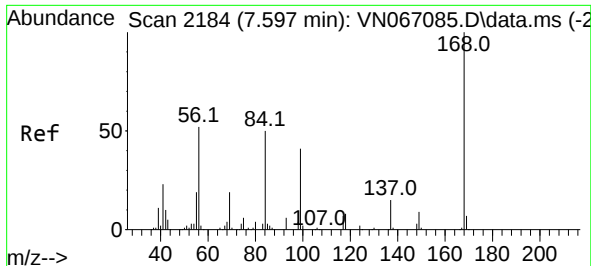
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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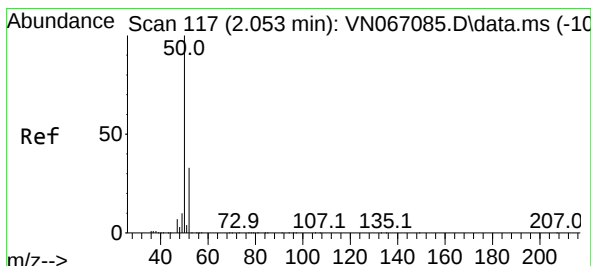
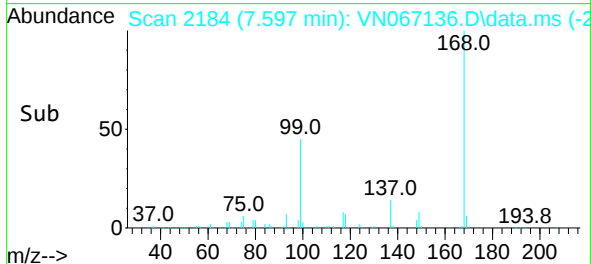
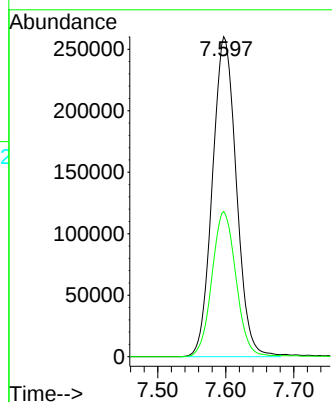
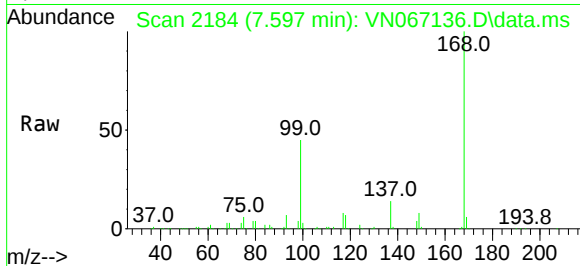




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

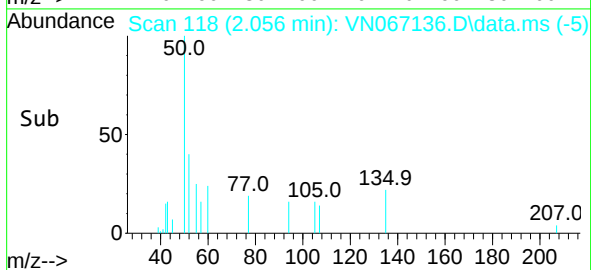
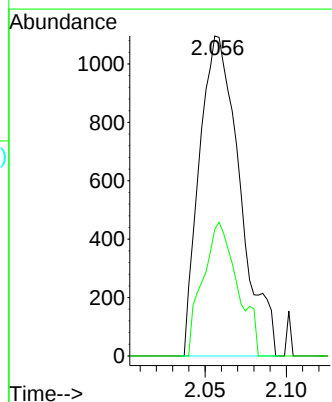
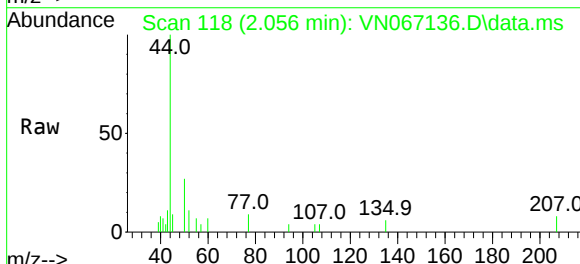
Instrument :
MSVOA_N
ClientSampled :

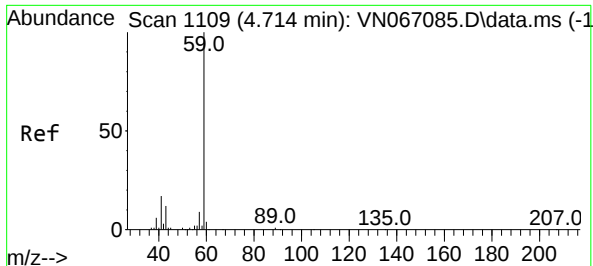
Tgt Ion:168 Resp: 637194
Ion Ratio Lower Upper
168 100
99 45.3 38.5 57.7



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.056 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

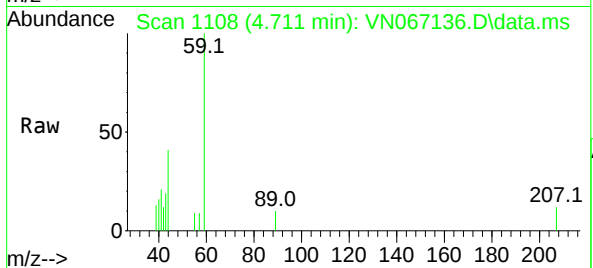
Tgt Ion: 50 Resp: 1893
Ion Ratio Lower Upper
50 100
52 39.6 26.5 39.7



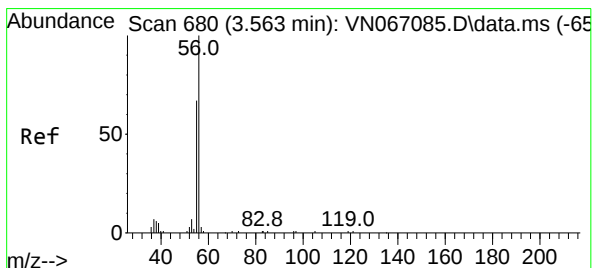
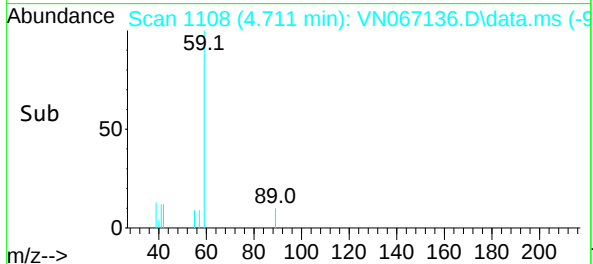
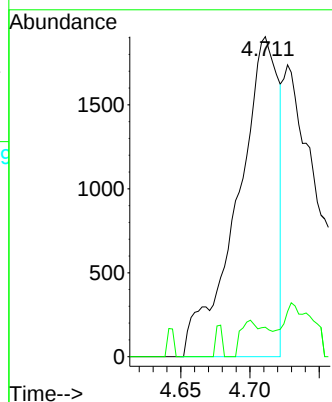


#11
Tert butyl alcohol
Concen: 3.42 ug/l
RT: 4.711 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Instrument :
MSVOA_N
ClientSampled :

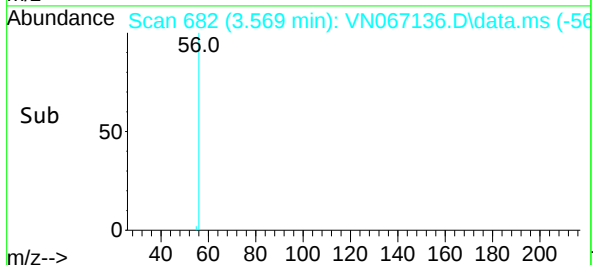
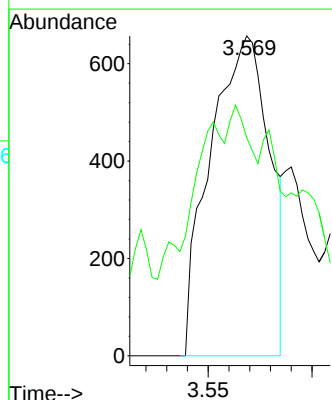
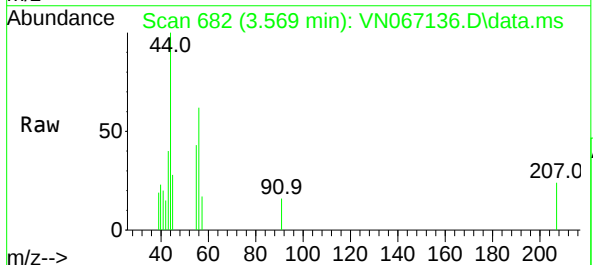


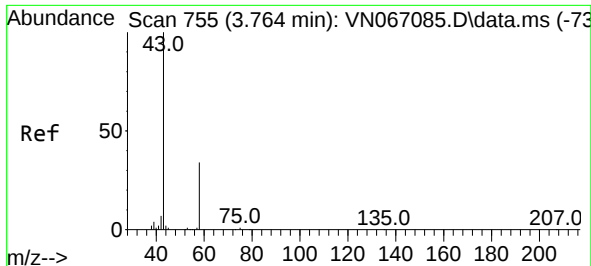
Tgt Ion: 59 Resp: 3929
Ion Ratio Lower Upper
59 100
57 7.2 3.5 5.3#



#13
Acrolein
Concen: Below Cal
RT: 3.569 min Scan# 682
Delta R.T. 0.006 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Tgt Ion: 56 Resp: 1301
Ion Ratio Lower Upper
56 100
55 27.0 53.8 80.6#

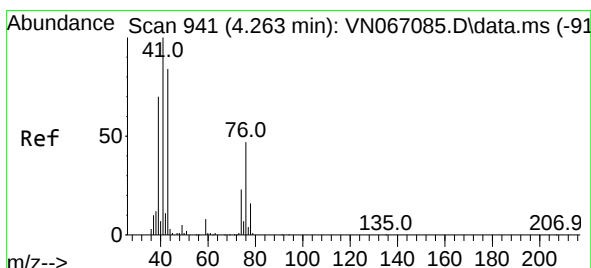
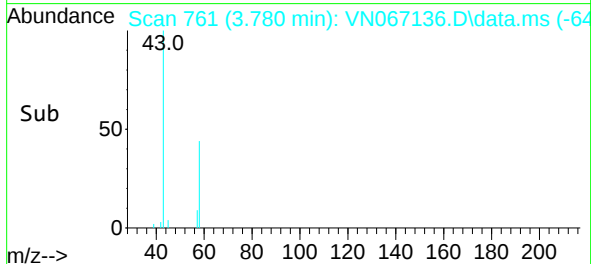
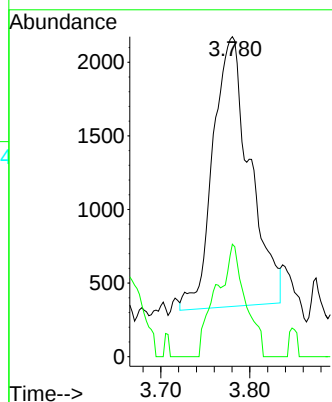
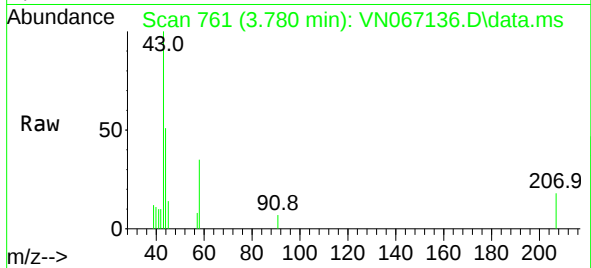




#16
Acetone
Concen: 2.47 ug/l
RT: 3.780 min Scan# 761
Delta R.T. 0.016 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

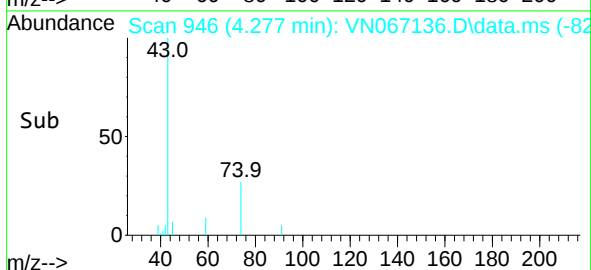
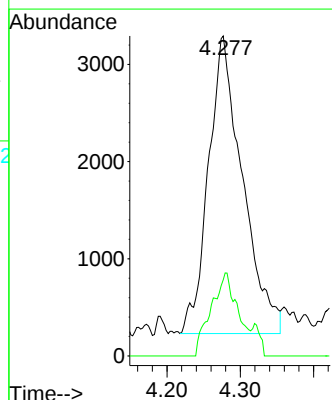
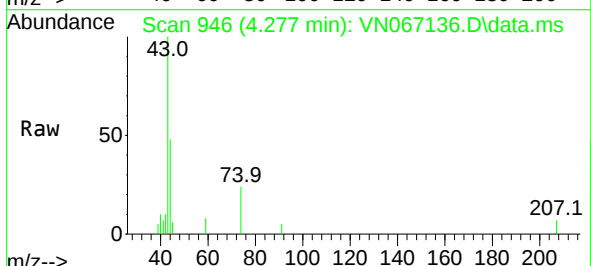
Instrument :
MSVOA_N
ClientSampled :

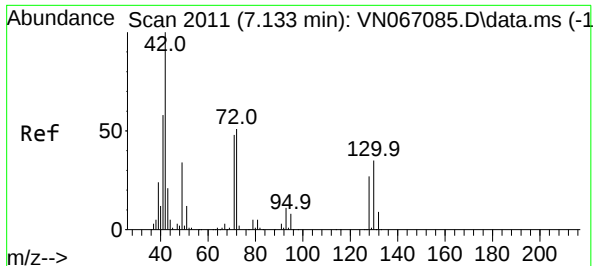
Tgt Ion: 43 Resp: 5274
Ion Ratio Lower Upper
43 100
58 42.2 27.2 40.8#



#18
Methyl Acetate
Concen: 1.55 ug/l
RT: 4.277 min Scan# 946
Delta R.T. 0.014 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Tgt Ion: 43 Resp: 9888
Ion Ratio Lower Upper
43 100
74 22.1 21.4 32.2





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 7.149 min Scan# 2017

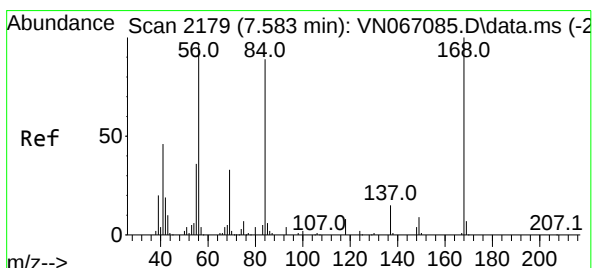
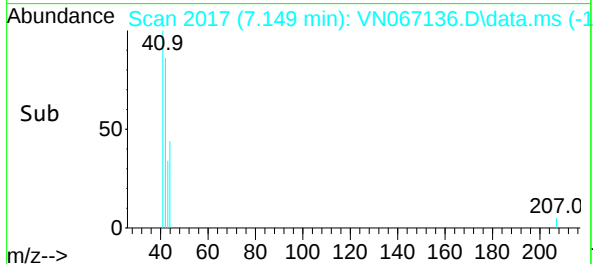
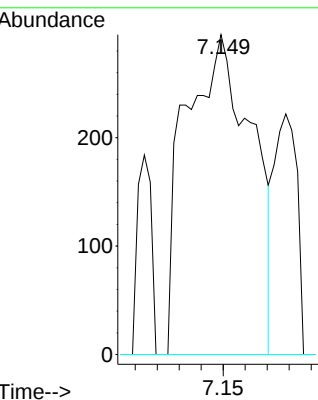
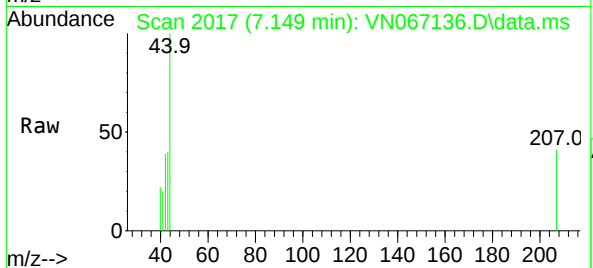
Delta R.T. 0.016 min

Lab File: VN067136.D

Acq: 18 May 2021 18:51

Tgt Ion:	42	Resp:	619
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.1	60.1#
71	0.0	37.9	56.9#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.98 ug/l

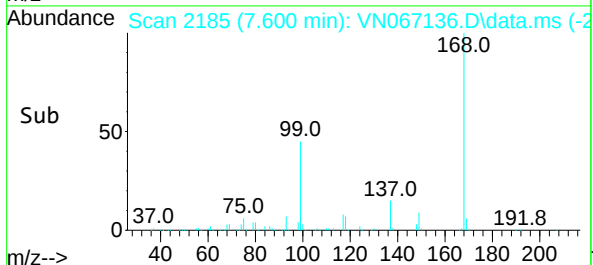
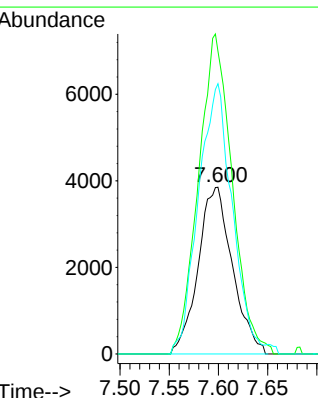
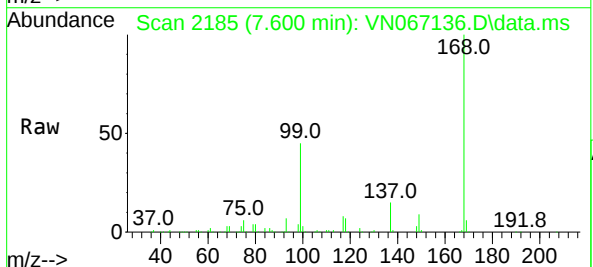
RT: 7.600 min Scan# 2185

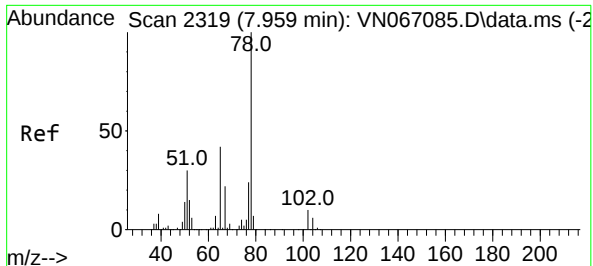
Delta R.T. 0.017 min

Lab File: VN067136.D

Acq: 18 May 2021 18:51

Tgt Ion:	56	Resp:	9338
Ion	Ratio	Lower	Upper
56	100		
69	181.6	28.0	42.0#
84	162.1	74.2	111.2#





#33

1,2-Dichloroethane-d4

Concen: 41.87 ug/l

RT: 7.959 min Scan# 2319

Delta R.T. -0.000 min

Lab File: VN067136.D

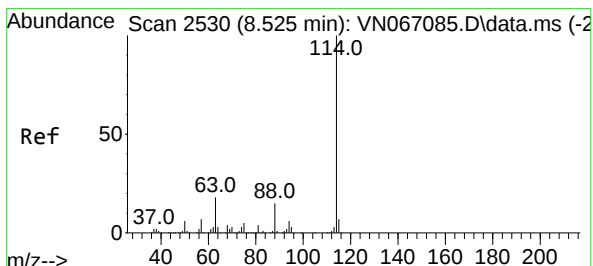
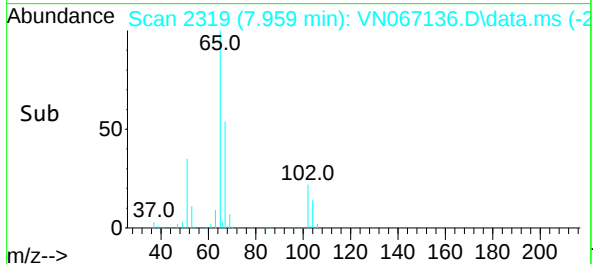
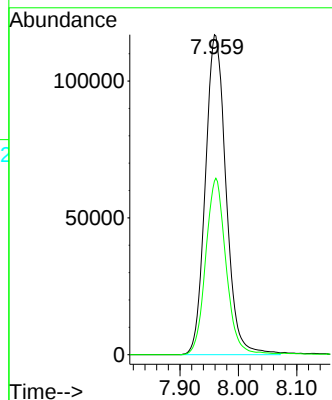
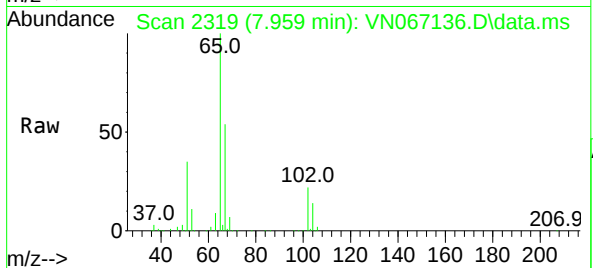
Acq: 18 May 2021 18:51

Tgt Ion: 65 Resp: 288221

Ion Ratio Lower Upper

65 100

67 53.7 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.525 min Scan# 2530

Delta R.T. -0.000 min

Lab File: VN067136.D

Acq: 18 May 2021 18:51

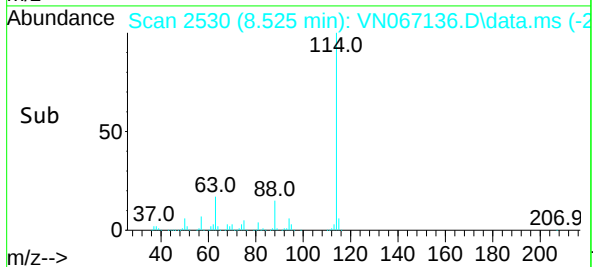
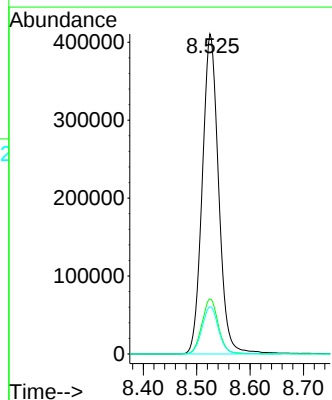
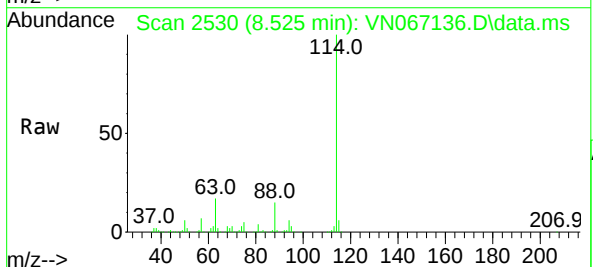
Tgt Ion: 114 Resp: 872610

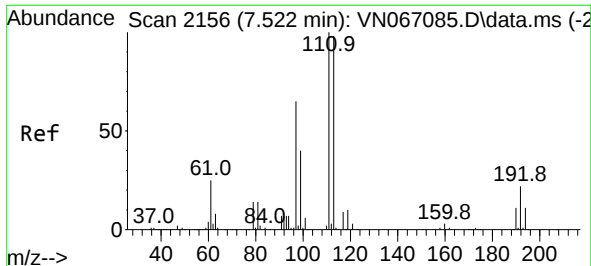
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.8

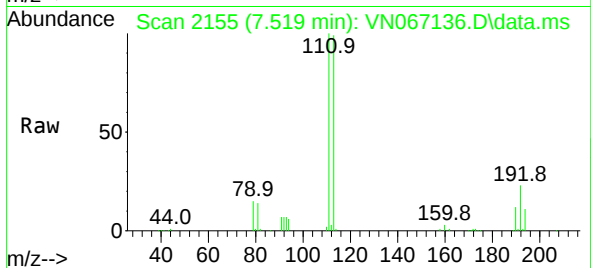
88 14.8 0.0 30.4



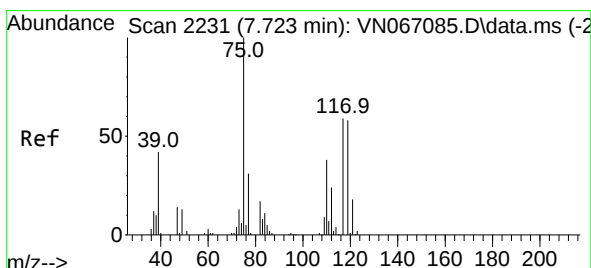
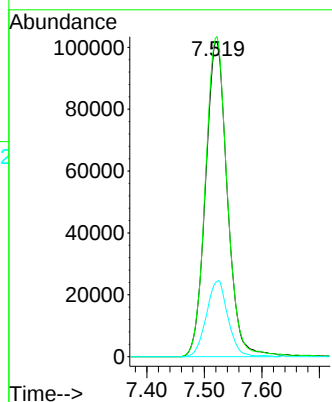
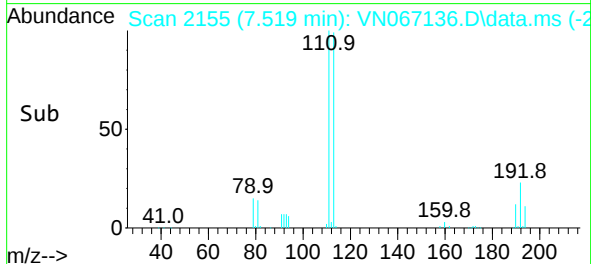


#35
 Dibromofluoromethane
 Concen: 46.82 ug/l
 RT: 7.519 min Scan# 2155
 Delta R.T. -0.003 min
 Lab File: VN067136.D
 Acq: 18 May 2021 18:51

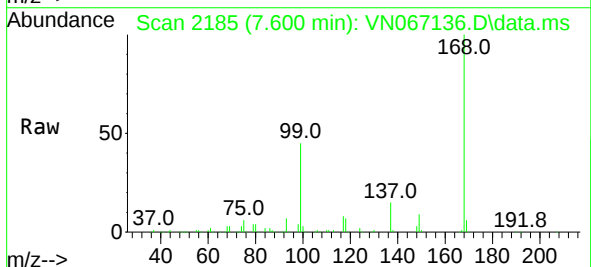
Instrument :
 MSVOA_N
 ClientSampled :



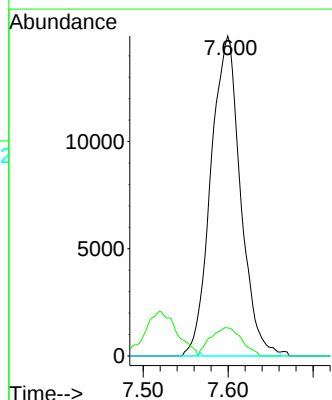
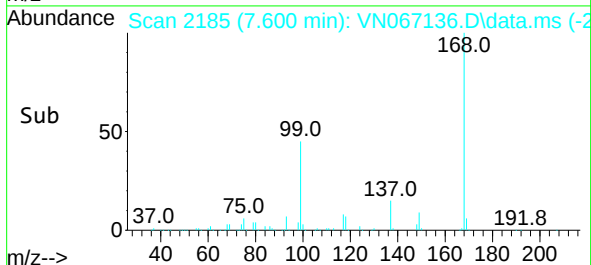
Tgt Ion:113 Resp: 268263
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 124.0
 192 23.7 18.2 27.4

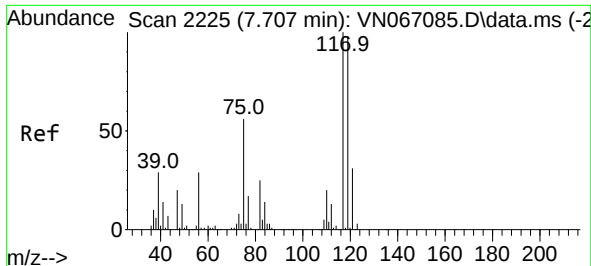


#36
 1,1-Dichloropropene
 Concen: 4.54 ug/l
 RT: 7.600 min Scan# 2185
 Delta R.T. -0.123 min
 Lab File: VN067136.D
 Acq: 18 May 2021 18:51



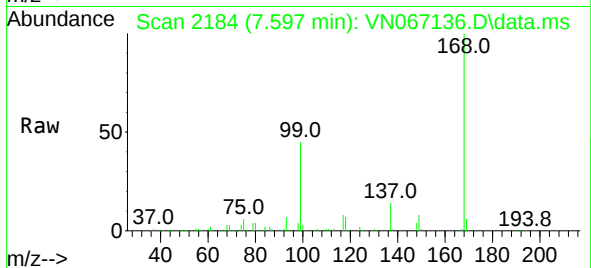
Tgt Ion: 75 Resp: 36123
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.1 57.3#
 77 0.0 24.8 37.2#



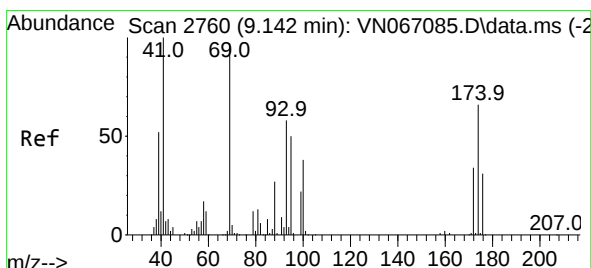
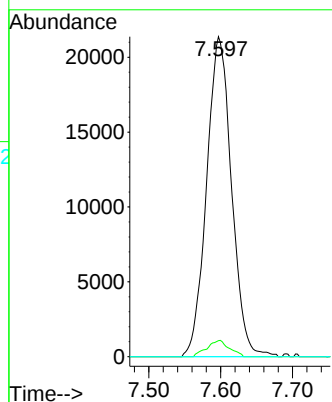
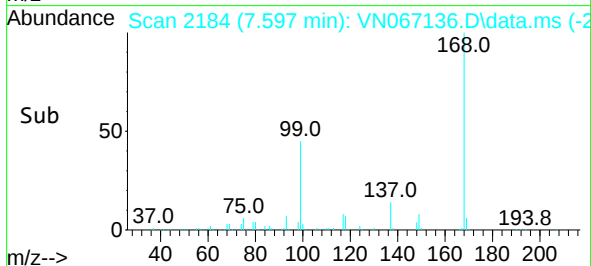


#38
Carbon Tetrachloride
Concen: 6.08 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.110 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

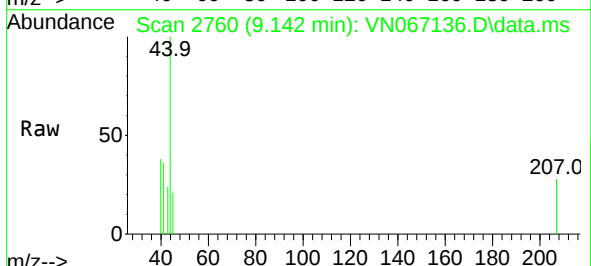
Instrument :
MSVOA_N
ClientSampled :



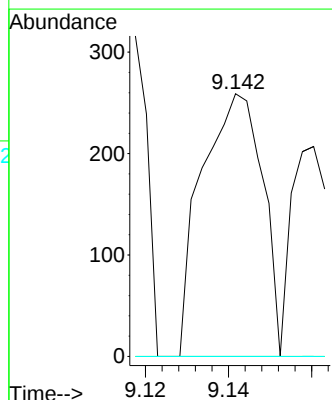
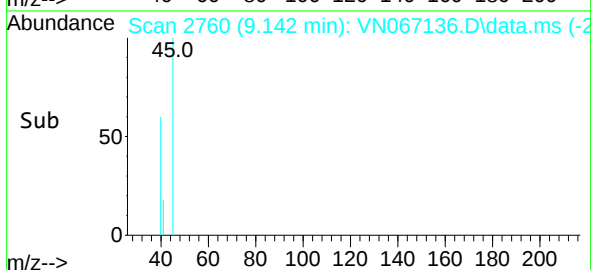
Tgt Ion: 117 Resp: 51535
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.7 37.1#

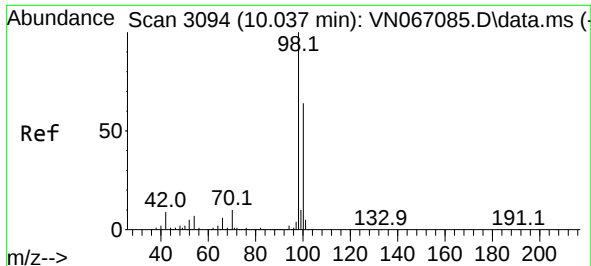


#48
Methyl methacrylate
Concen: 1.99 ug/l
RT: 9.142 min Scan# 2760
Delta R.T. -0.000 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51



Tgt Ion: 41 Resp: 263
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#

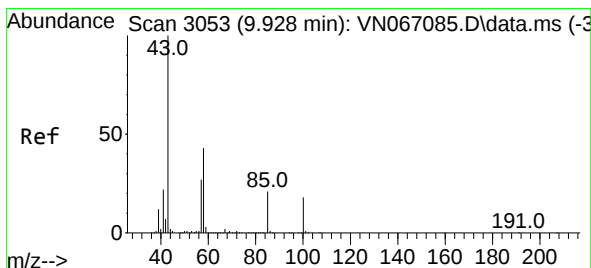
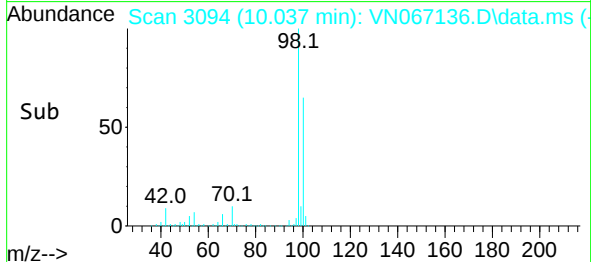
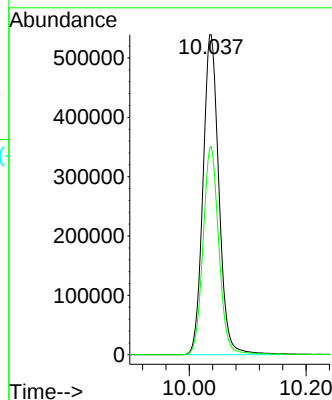
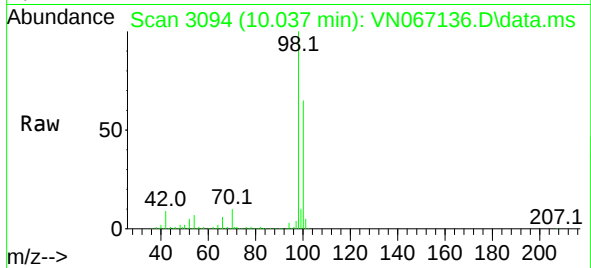




#50
Toluene-d8
Concen: 46.81 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

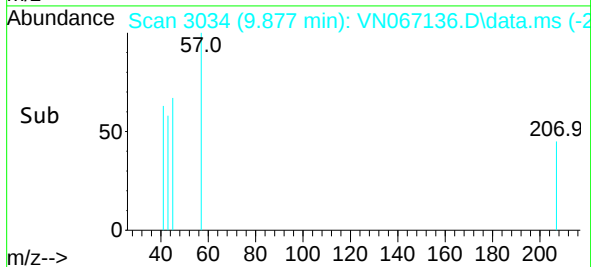
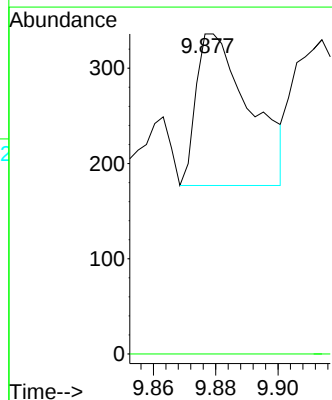
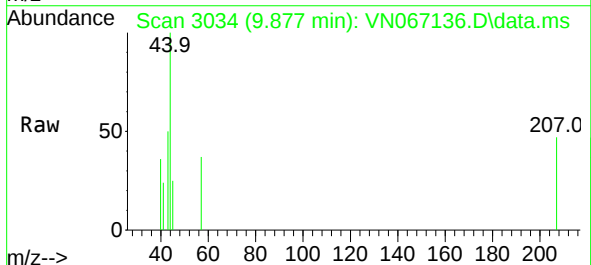
Instrument :
MSVOA_N
ClientSampled :

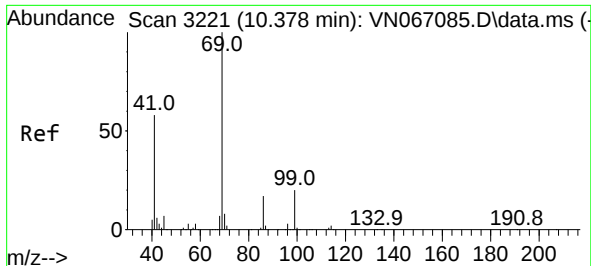
Tgt Ion: 98 Resp: 1016487
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 5.43 ug/l
RT: 9.877 min Scan# 3034
Delta R.T. -0.051 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Tgt Ion: 43 Resp: 190
Ion Ratio Lower Upper
43 100
58 0.0 34.5 51.7#

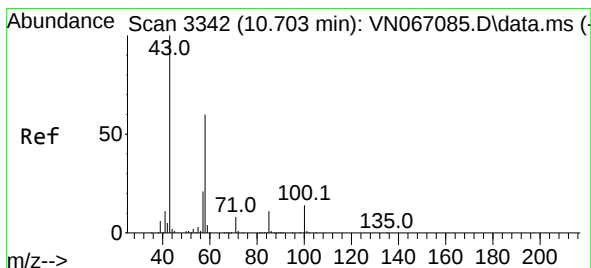
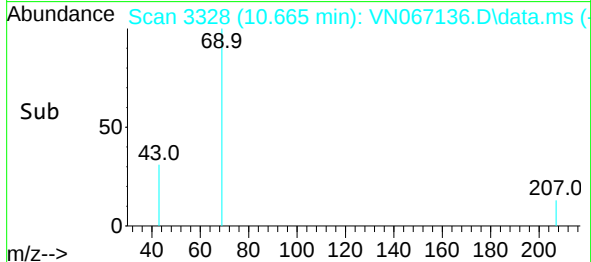
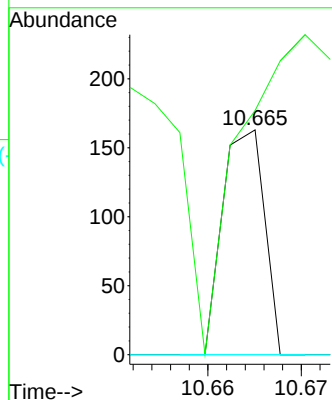
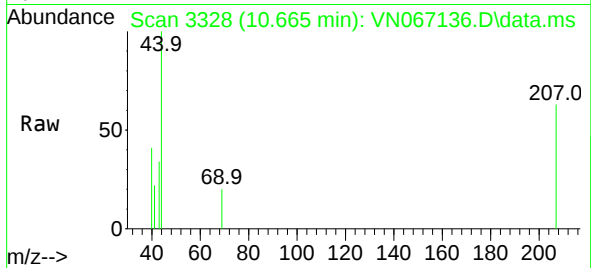




#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.665 min Scan# 3328
Delta R.T. 0.287 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

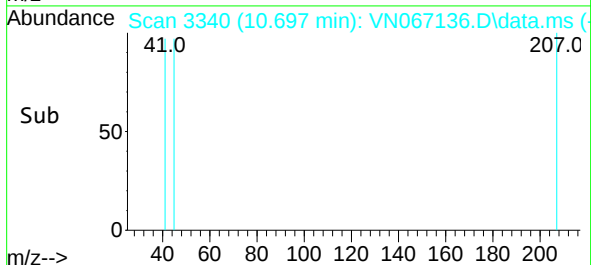
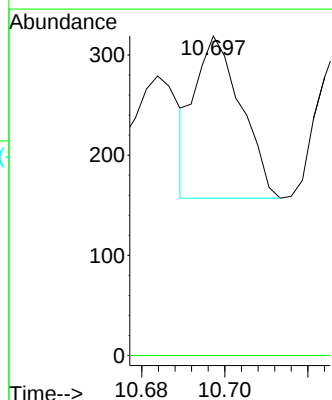
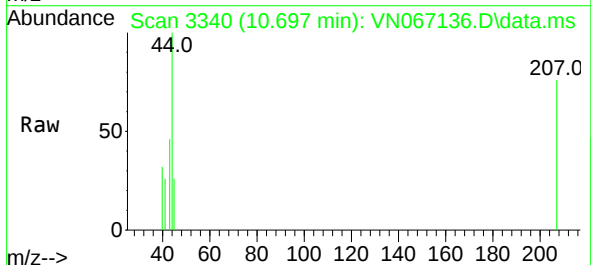
Instrument :
MSVOA_N
ClientSampled :

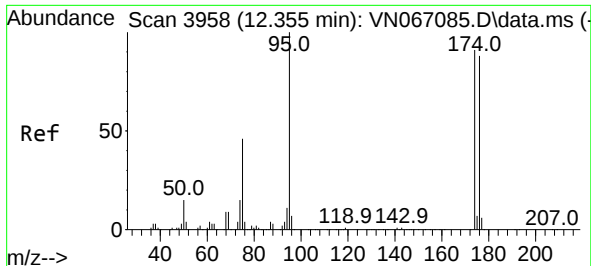
Tgt Ion: 69 Resp: 51
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#



#59
2-Hexanone
Concen: 21.94 ug/l
RT: 10.697 min Scan# 3340
Delta R.T. -0.006 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#

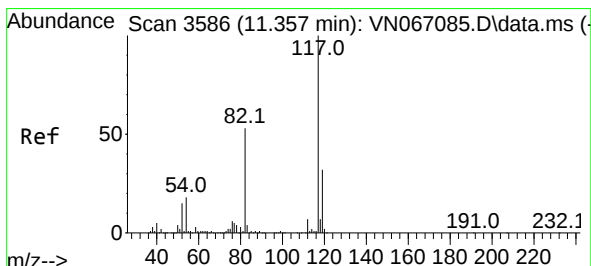
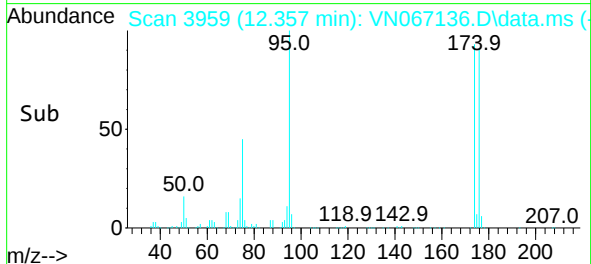
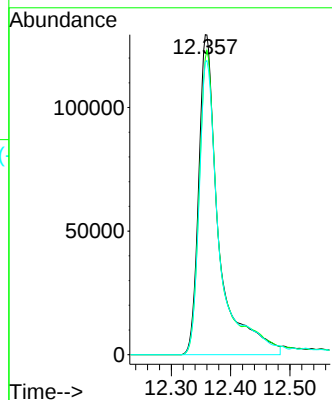
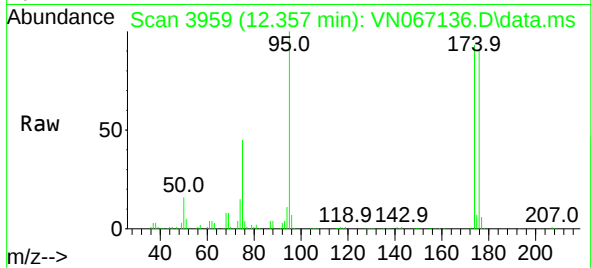




#62
4-Bromofluorobenzene
Concen: 41.90 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

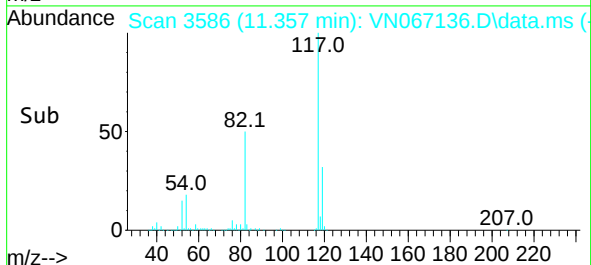
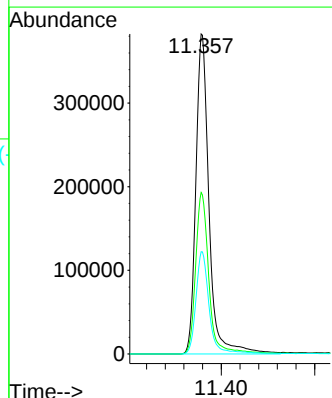
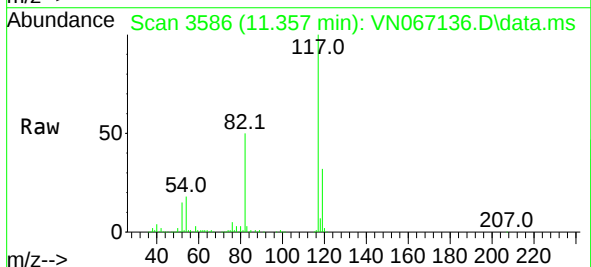
Instrument :
MSVOA_N
ClientSampled :

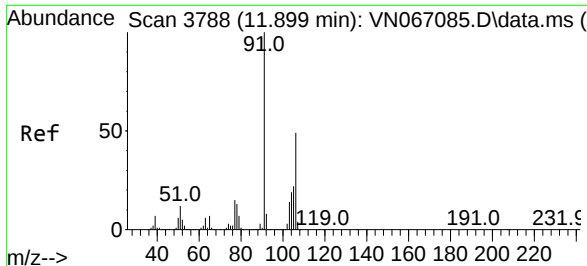
Tgt Ion: 95 Resp: 304828
Ion Ratio Lower Upper
95 100
174 85.7 0.0 182.8
176 94.3 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. 0.000 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Tgt Ion: 117 Resp: 748280
Ion Ratio Lower Upper
117 100
82 50.4 42.2 63.2
119 31.9 25.8 38.6

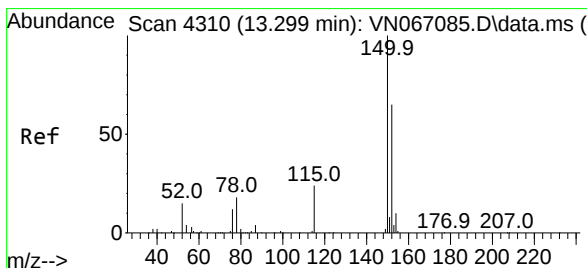
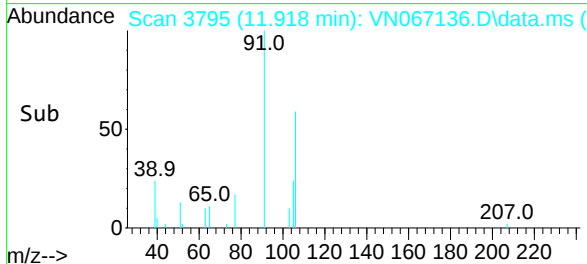
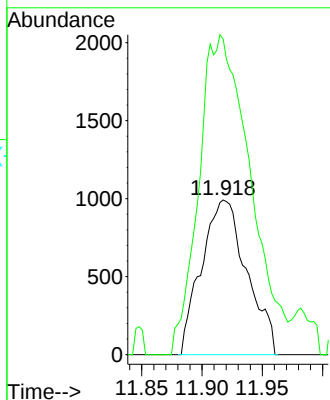
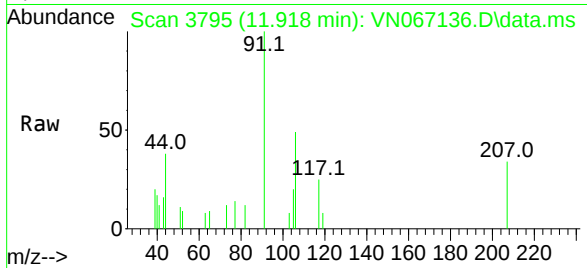




#69
o-Xylene
Concen: 0.24 ug/l
RT: 11.918 min Scan# 3795
Delta R.T. 0.019 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

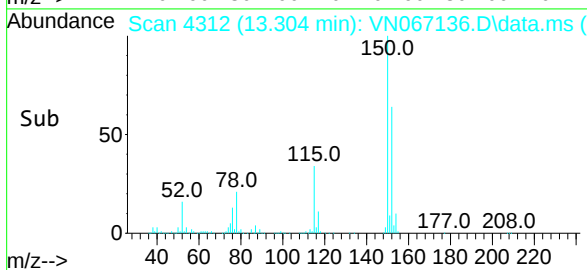
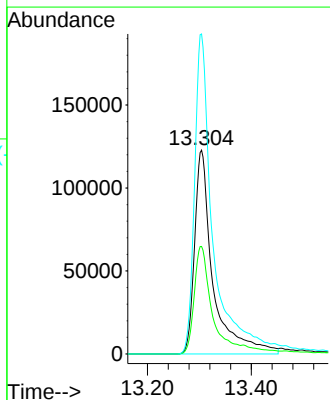
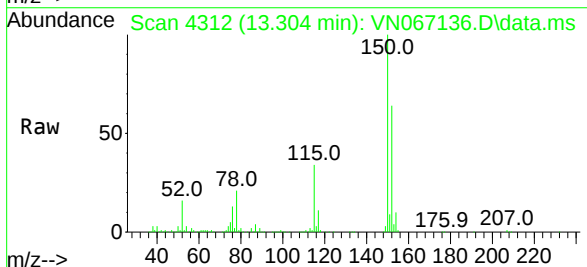
Instrument :
MSVOA_N
ClientSampled :

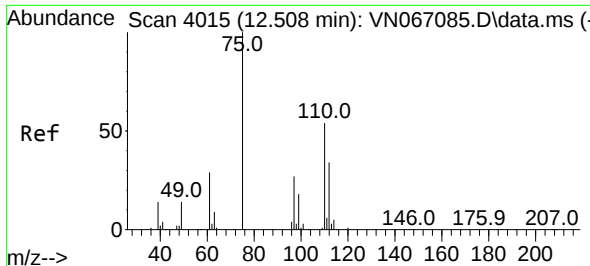
Tgt Ion:106 Resp: 2595
Ion Ratio Lower Upper
106 100
91 233.5 102.3 306.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.304 min Scan# 4312
Delta R.T. 0.005 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Tgt Ion:152 Resp: 303845
Ion Ratio Lower Upper
152 100
115 49.8 27.0 80.8
150 156.0 0.0 350.2

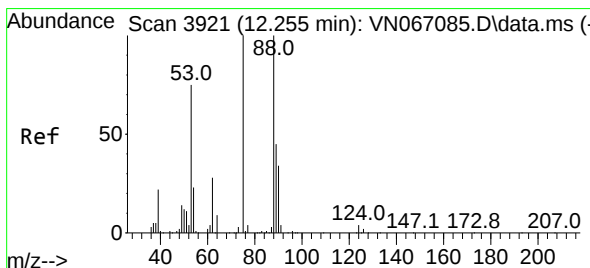
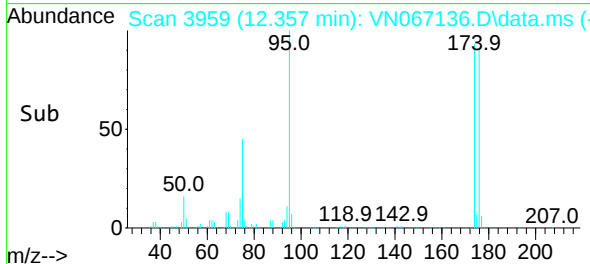
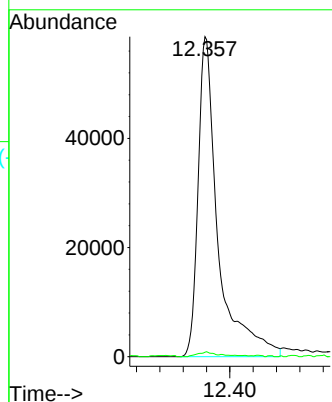
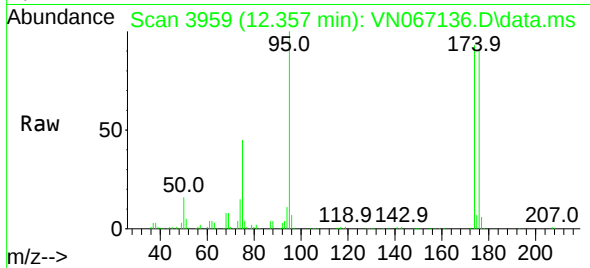




#76
1,2,3-Trichloropropane
Concen: 21.73 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.151 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

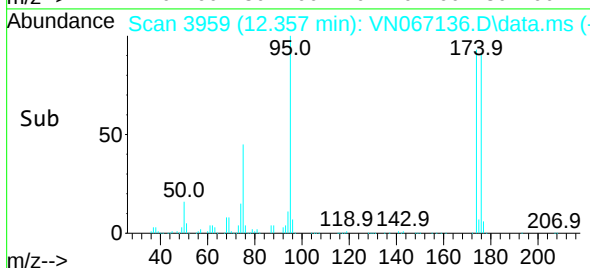
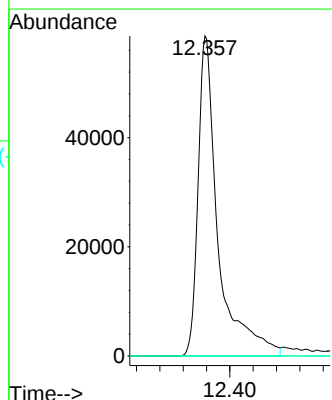
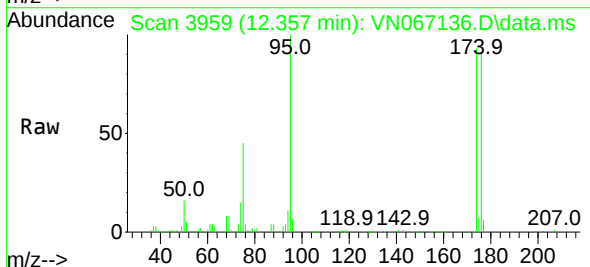
Instrument :
MSVOA_N
ClientSampled :

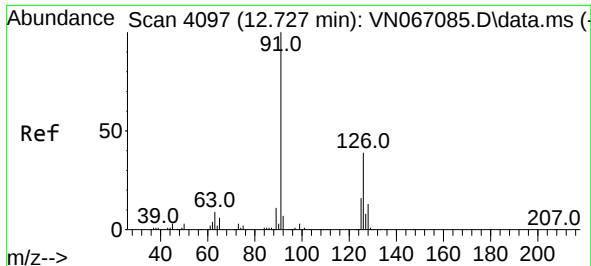
Tgt Ion: 75 Resp: 139327
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.35 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.102 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Tgt Ion: 75 Resp: 139327
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

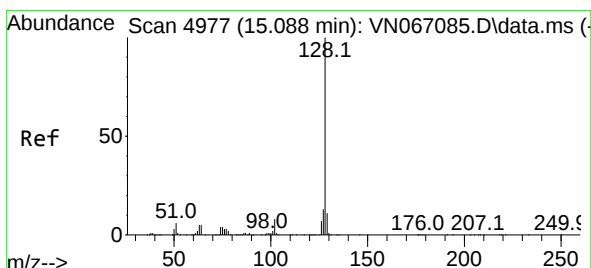
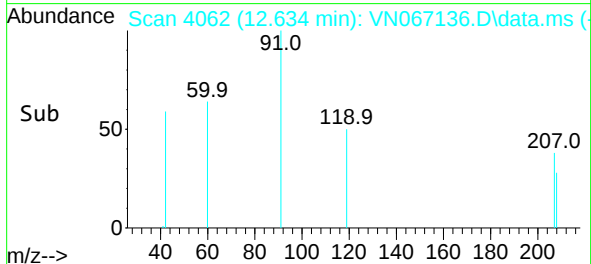
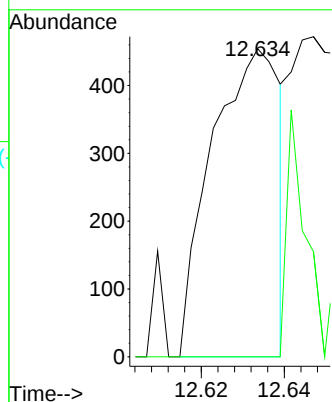
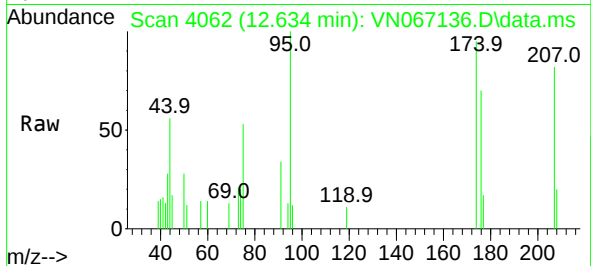




#82
4-Chlorotoluene
Concen: 1.21 ug/l
RT: 12.634 min Scan# 4062
Delta R.T. -0.093 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 516
Ion Ratio Lower Upper
91 100
126 26.7 17.7 53.1



#95
Naphthalene
Concen: 3.27 ug/l
RT: 15.114 min Scan# 4987
Delta R.T. 0.026 min
Lab File: VN067136.D
Acq: 18 May 2021 18:51

Tgt Ion: 128 Resp: 215
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

