

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
 Data File : VN067091.D
 Acq On : 17 May 2021 11:03
 Operator : JC/MD
 Sample : VN0517MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:04:15 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)

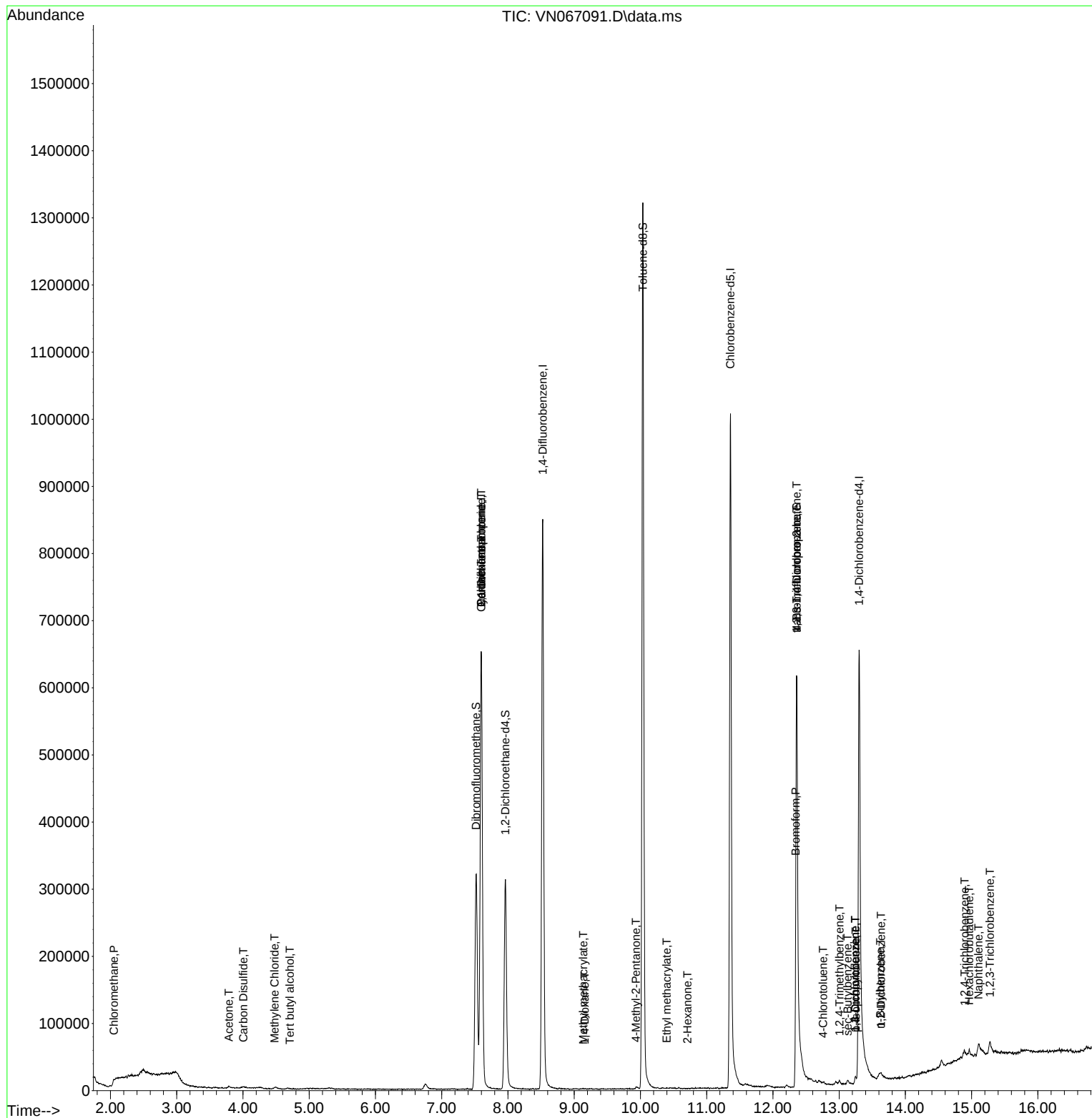
Internal Standards						
1) Pentafluorobenzene	7.597	168	614870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	861815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	720863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	279017	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	281704	42.41	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.82%		
35) Dibromofluoromethane	7.519	113	267039	47.19	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.38%		
50) Toluene-d8	10.038	98	1013291	47.24	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.48%		
62) 4-Bromofluorobenzene	12.358	95	307013	42.73	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.46%		
Target Compounds						Qvalue
3) Chloromethane	2.051	50	1805	0.27	ug/l #	88
11) Tert butyl alcohol	4.709	59	440	0.40	ug/l #	87
13) Acrolein	3.582	56	1697	Below Cal	#	62
16) Acetone	3.786	43	4320	2.09	ug/l	88
17) Carbon Disulfide	4.006	76	3735	0.24	ug/l #	91
20) Methylene Chloride	4.475	84	905	0.21	ug/l #	83
31) Cyclohexane	7.600	56	9000	0.98	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	36555	4.65	ug/l #	49
38) Carbon Tetrachloride	7.597	117	50451	6.03	ug/l #	15
48) Methyl methacrylate	9.136	41	112	1.96	ug/l #	86
49) 1,4-Dioxane	9.158	88	25	0.30	ug/l #	1
51) 4-Methyl-2-Pentanone	9.933	43	1400	5.60	ug/l	97
56) Ethyl methacrylate	10.397	69	197	1.96	ug/l #	48
59) 2-Hexanone	10.711	43	205	21.96	ug/l #	21
71) Bromoform	12.344	173	230	1.80	ug/l #	1
76) 1,2,3-Trichloropropane	12.360	75	143373	24.35	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.360	75	143373	72.73	ug/l #	15
82) 4-Chlorotoluene	12.757	91	355	1.20	ug/l	94
84) 1,2,4-Trimethylbenzene	13.007	105	4096	0.23	ug/l	91
85) sec-Butylbenzene	13.130	105	5011	0.23	ug/l	88
86) p-Isopropyltoluene	13.251	119	4768	0.25	ug/l	96
87) 1,3-Dichlorobenzene	13.243	146	2869	0.30	ug/l	93
88) 1,4-Dichlorobenzene	13.243	146	2869	0.29	ug/l	92
89) n-Butylbenzene	13.621	91	7442	0.52	ug/l #	52
91) 1,2-Dichlorobenzene	13.631	146	3031	0.31	ug/l #	70
93) 1,2,4-Trichlorobenzene	14.895	180	6317	1.28	ug/l	95
94) Hexachlorobutadiene	14.962	225	1924	0.56	ug/l	98
95) Naphthalene	15.104	128	25146	5.24	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.276	180	9443	2.07	ug/l	96

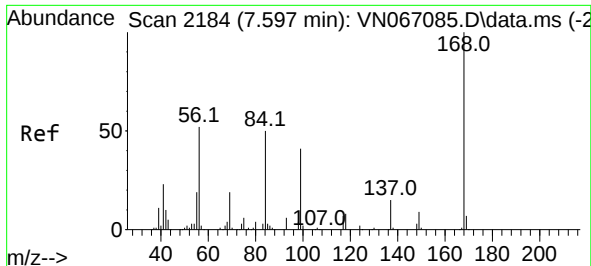
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
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Sample : VN0517MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 18 04:04:15 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

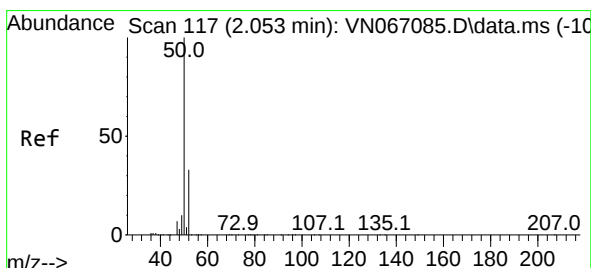
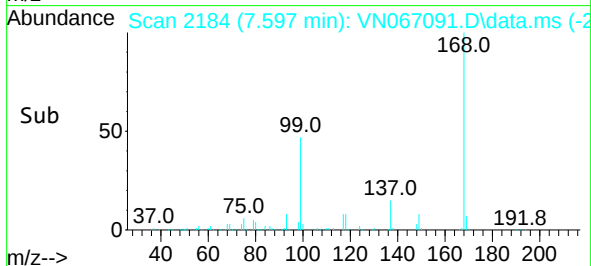
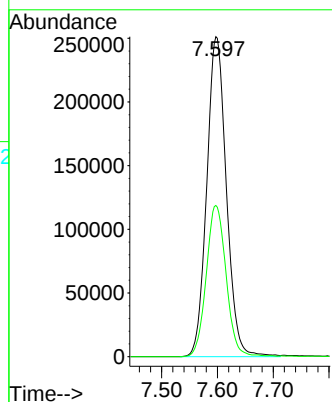
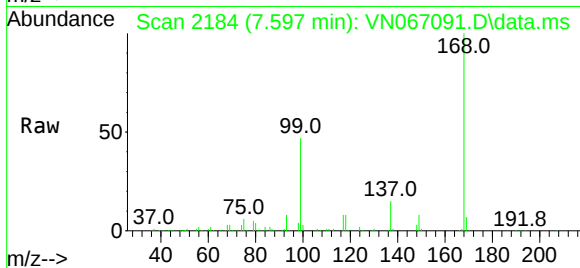




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

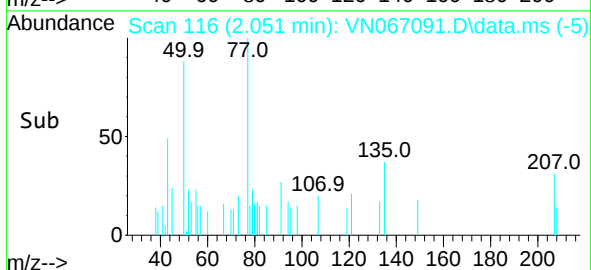
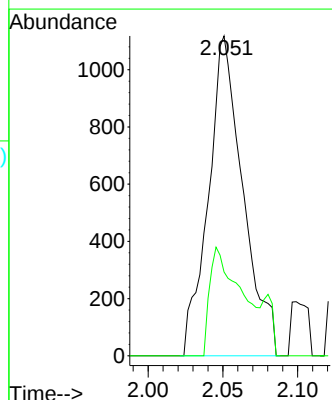
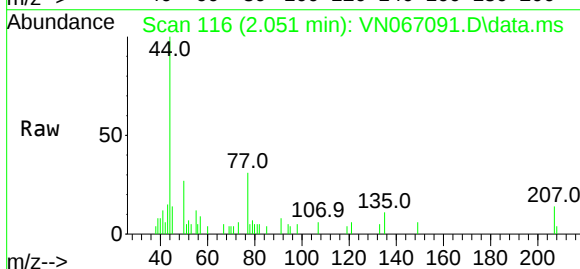
Instrument :
MSVOA_N
ClientSampled :

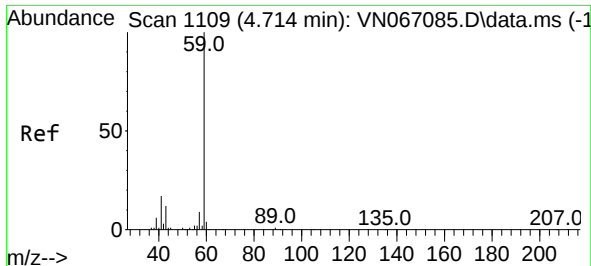
Tgt Ion:168 Resp: 614870
Ion Ratio Lower Upper
168 100
99 47.2 38.5 57.7



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.051 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion: 50 Resp: 1805
Ion Ratio Lower Upper
50 100
52 26.2 26.5 39.7#



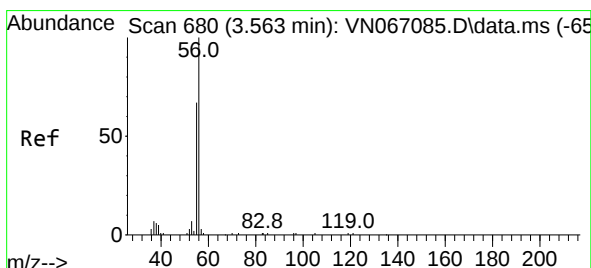
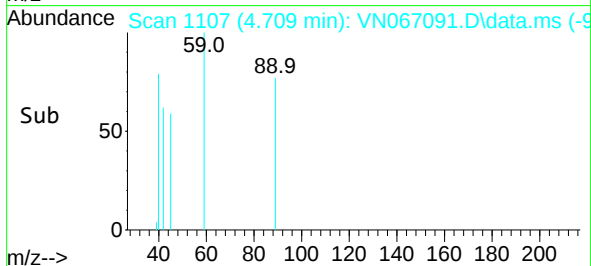
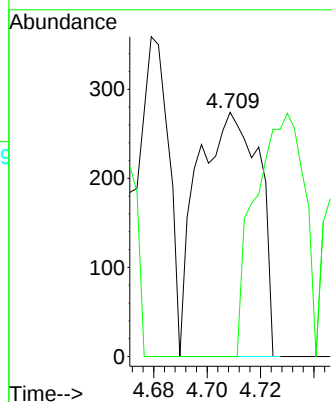
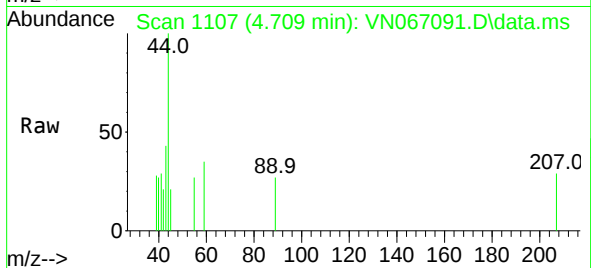


#11

Tert butyl alcohol
Concen: 0.40 ug/l
RT: 4.709 min Scan# 1107
Delta R.T. -0.005 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Instrument :
MSVOA_N
ClientSampled :

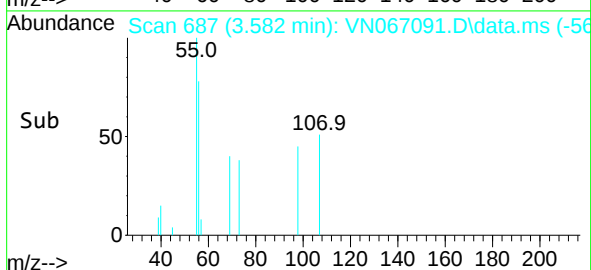
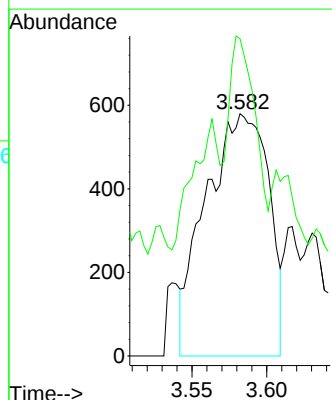
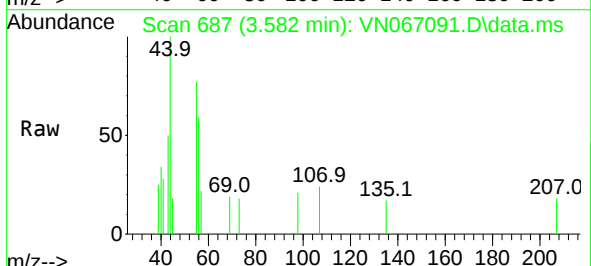
Tgt Ion: 59 Resp: 440
Ion Ratio Lower Upper
59 100
57 0.0 3.5 5.3#

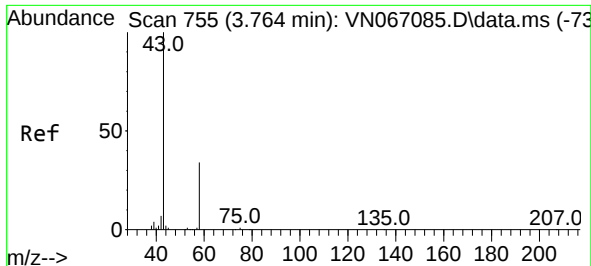


#13

Acrolein
Concen: Below Cal
RT: 3.582 min Scan# 687
Delta R.T. 0.019 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion: 56 Resp: 1697
Ion Ratio Lower Upper
56 100
55 37.1 53.8 80.6#

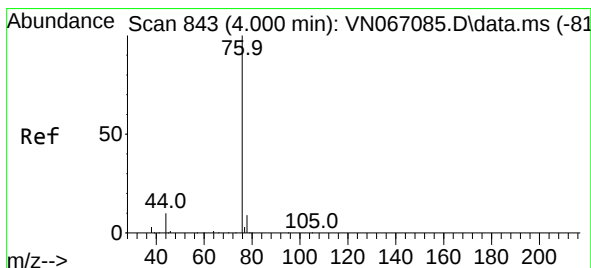
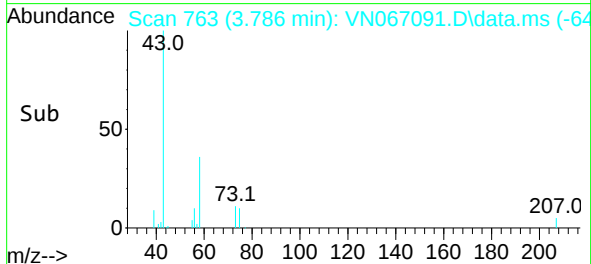
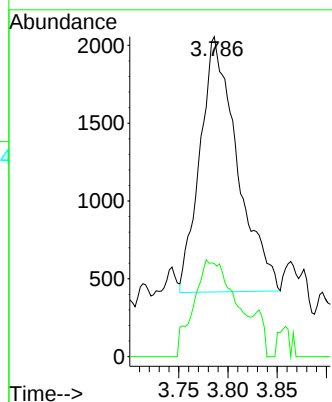
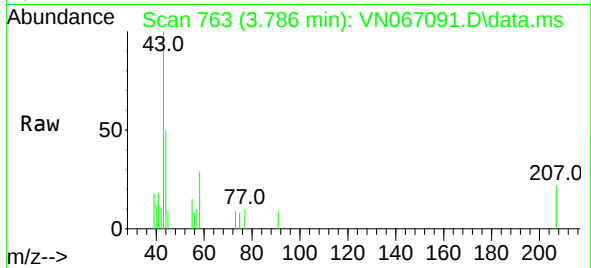




#16
Acetone
Concen: 2.09 ug/l
RT: 3.786 min Scan# 763
Delta R.T. 0.022 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

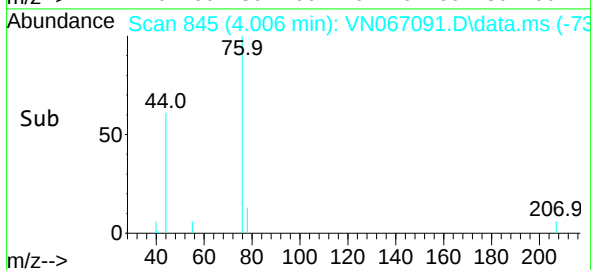
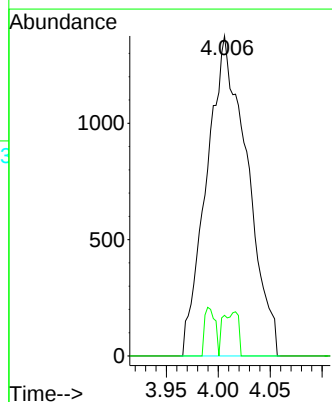
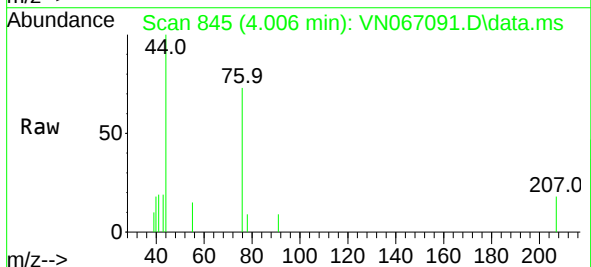
Instrument :
MSVOA_N
ClientSampleId :

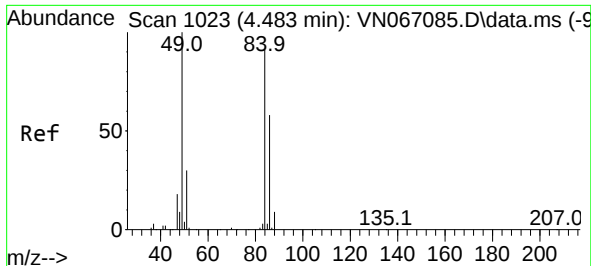
Tgt Ion: 43 Resp: 4320
Ion Ratio Lower Upper
43 100
58 27.2 27.2 40.8



#17
Carbon Disulfide
Concen: 0.24 ug/l
RT: 4.006 min Scan# 845
Delta R.T. 0.006 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

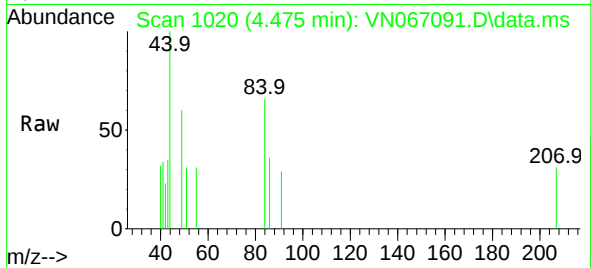
Tgt Ion: 76 Resp: 3735
Ion Ratio Lower Upper
76 100
78 12.7 7.5 11.3#



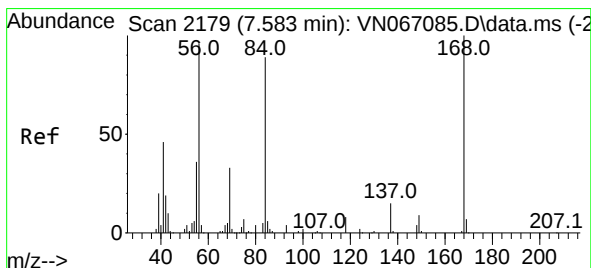
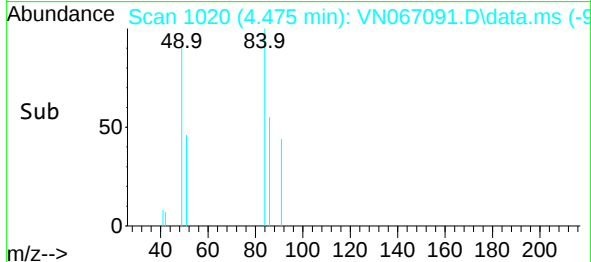
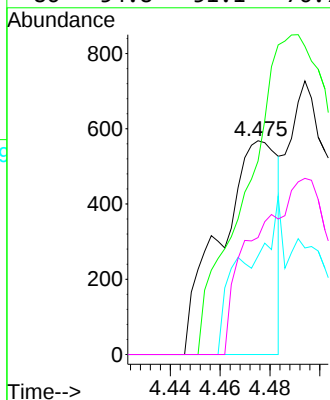


#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 4.475 min Scan# 1020
Delta R.T. -0.008 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Instrument :
MSVOA_N
ClientSampled :

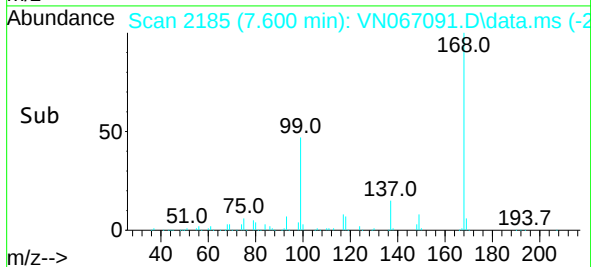
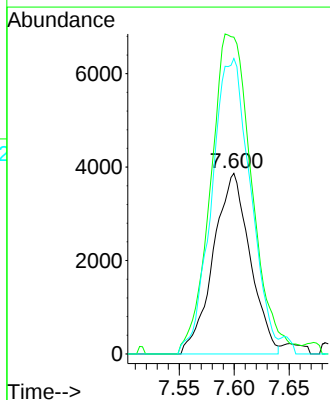
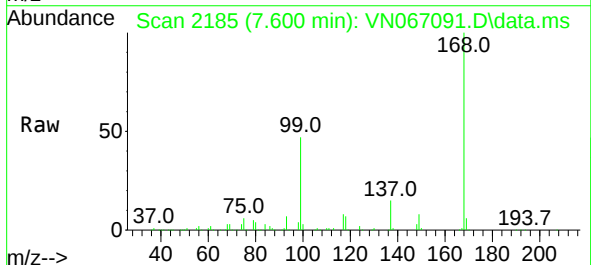


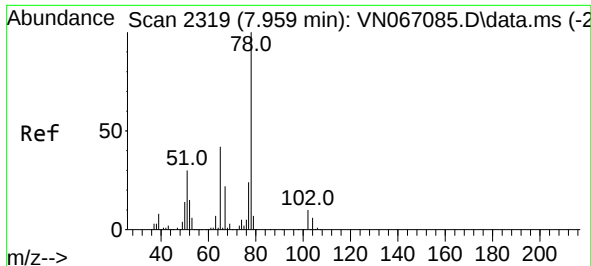
Tgt Ion:	84	Resp:	905
Ion	Ratio	Lower	Upper
84	100		
49	90.5	88.3	132.5
51	46.1	26.7	40.1#
86	54.8	51.1	76.7



#31
Cyclohexane
Concen: 0.98 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.017 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion:	56	Resp:	9000
Ion	Ratio	Lower	Upper
56	100		
69	175.3	28.0	42.0#
84	163.6	74.2	111.2#





#33

1,2-Dichloroethane-d4

Concen: 42.41 ug/l

RT: 7.962 min Scan# 2320

Delta R.T. 0.003 min

Lab File: VN067091.D

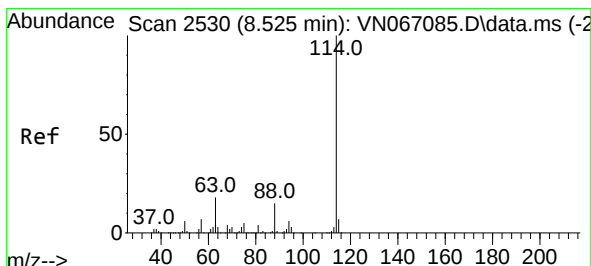
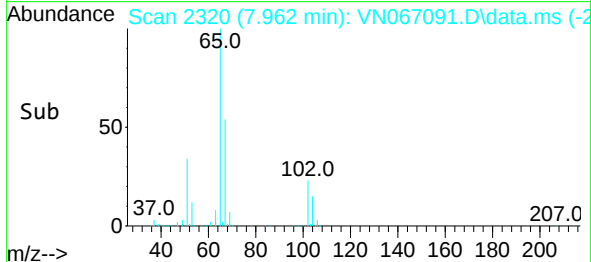
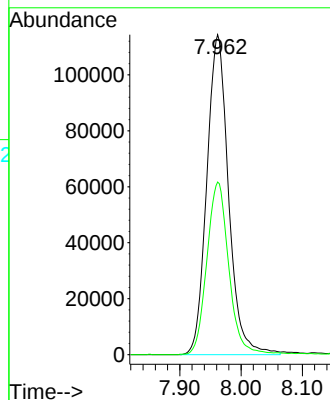
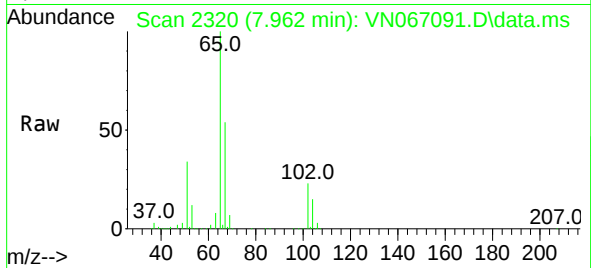
Acq: 17 May 2021 11:03

Tgt Ion: 65 Resp: 281704

Ion Ratio Lower Upper

65 100

67 54.3 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: VN067091.D

Acq: 17 May 2021 11:03

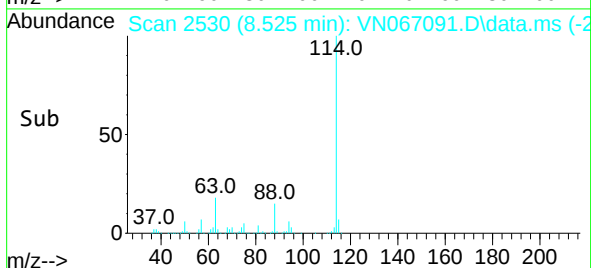
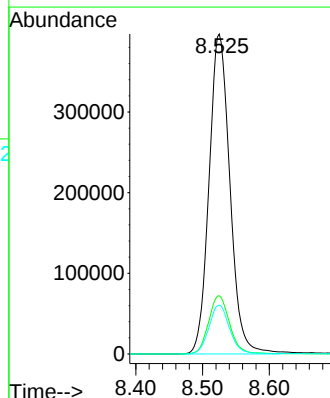
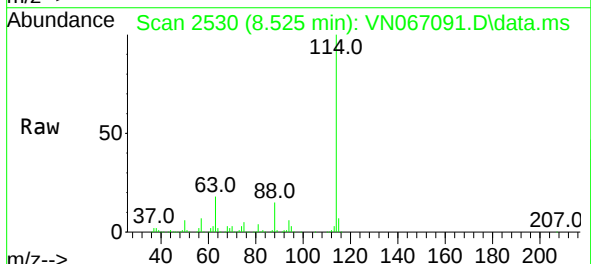
Tgt Ion: 114 Resp: 861815

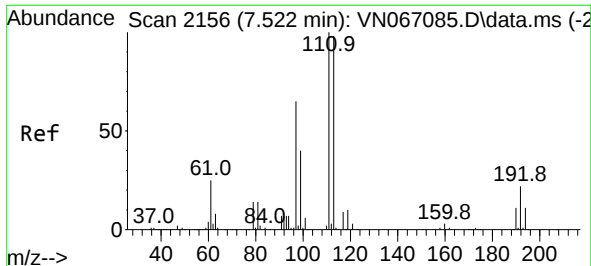
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.8

88 15.2 0.0 30.4

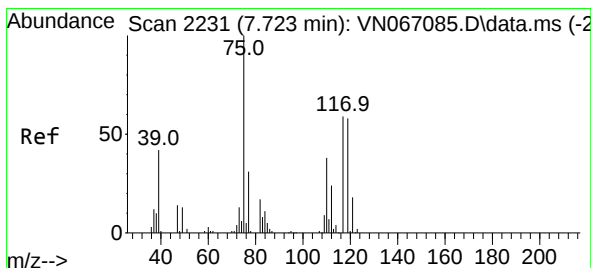
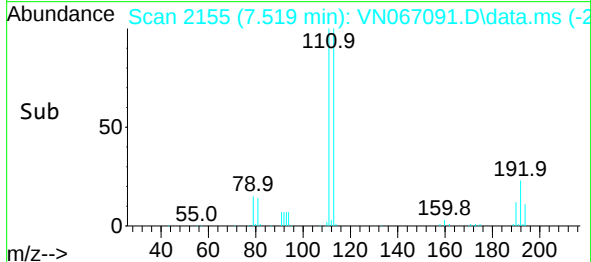
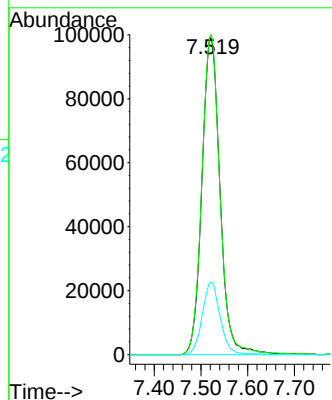
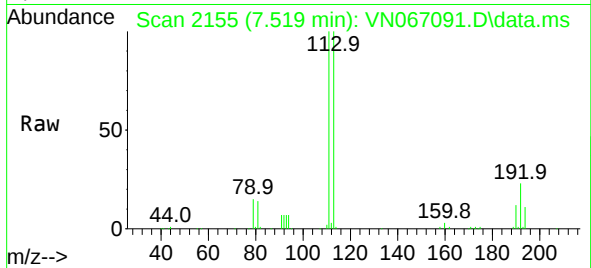




#35
Dibromofluoromethane
Concen: 47.19 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

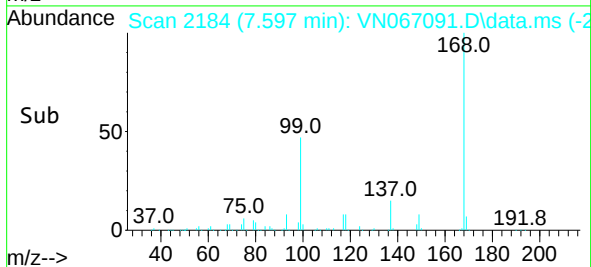
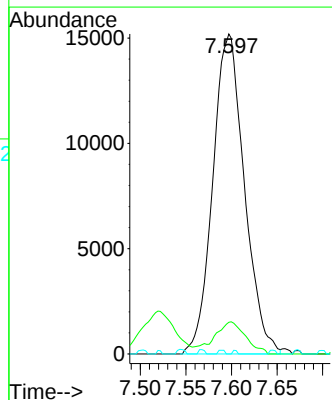
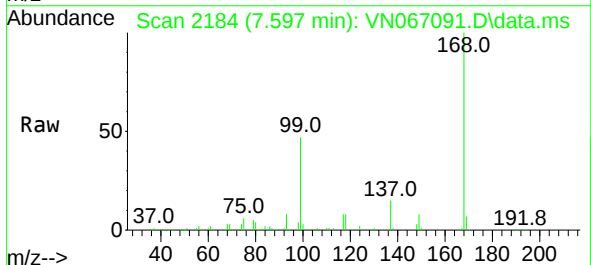
Instrument :
MSVOA_N
ClientSampled :

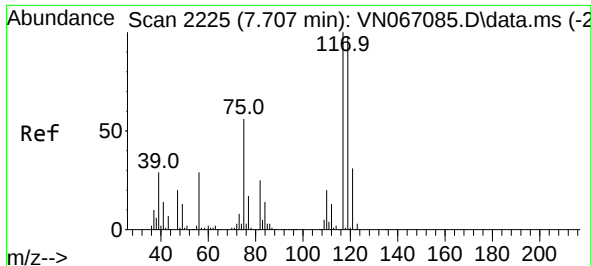
Tgt Ion:113 Resp: 267039
Ion Ratio Lower Upper
113 100
111 100.3 82.6 124.0
192 22.6 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion: 75 Resp: 36555
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.1 24.8 37.2#

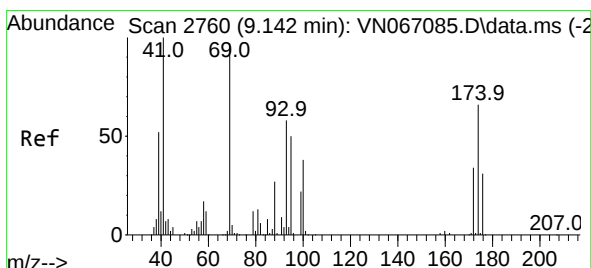
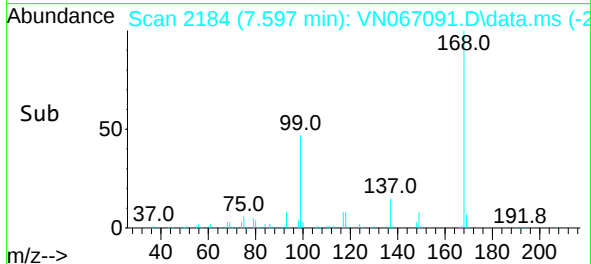
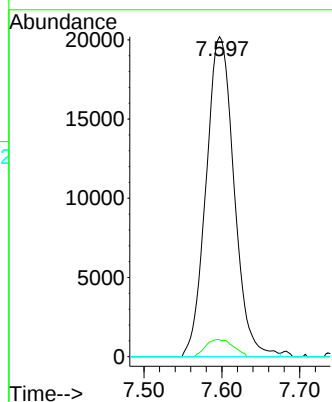
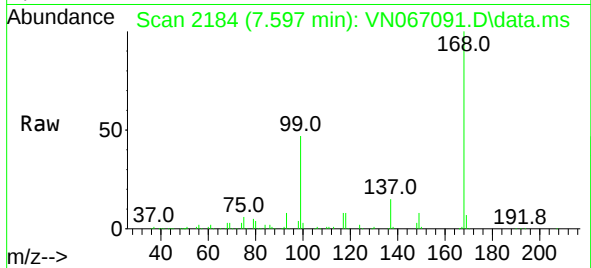




#38
Carbon Tetrachloride
Concen: 6.03 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.110 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

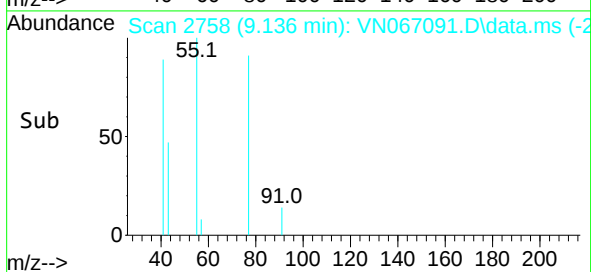
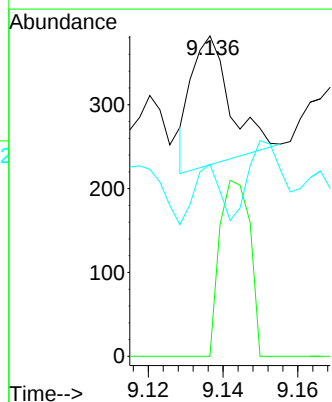
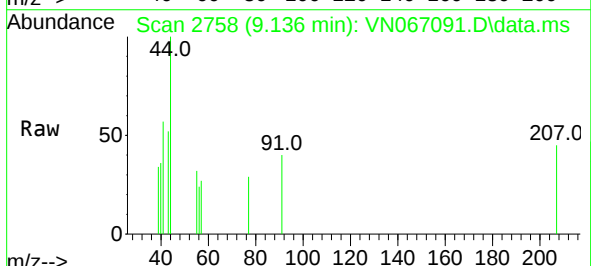
Instrument :
MSVOA_N
ClientSampleId :

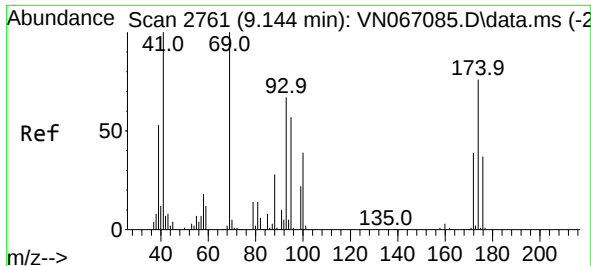
Tgt Ion:117 Resp: 50451
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 1.96 ug/l
RT: 9.136 min Scan# 2758
Delta R.T. -0.005 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion: 41 Resp: 112
Ion Ratio Lower Upper
41 100
69 105.4 80.5 120.7
39 29.5 41.4 62.0#





#49

1,4-Dioxane

Concen: 0.30 ug/l

RT: 9.158 min Scan# 2766

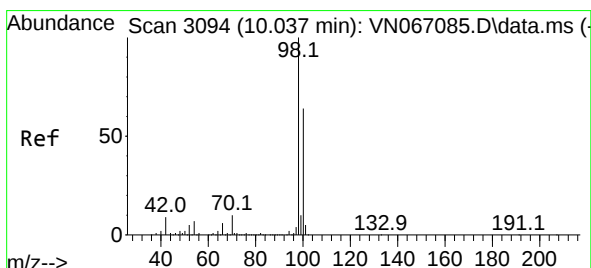
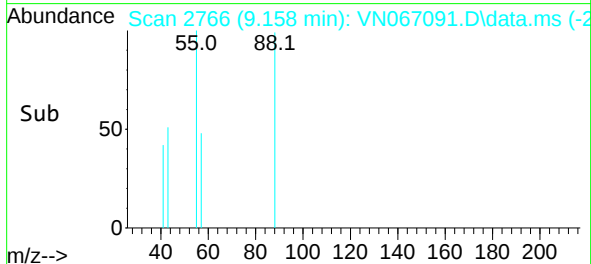
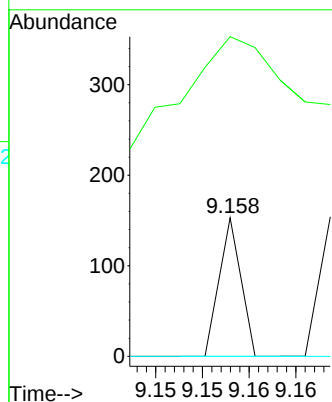
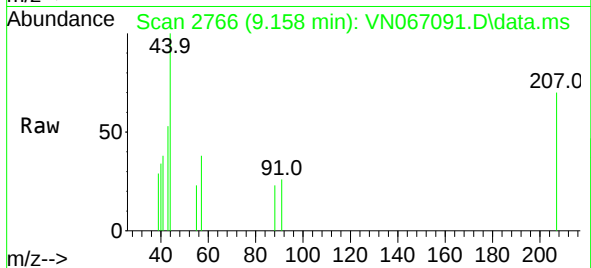
Delta R.T. 0.014 min

Lab File: VN067091.D

Acq: 17 May 2021 11:03

Tgt Ion:	88	Resp:	25
Ion	Ratio	Lower	Upper
88	100		
43	916.0	21.8	32.8#
58	0.0	50.8	76.2#

Instrument :
MSVOA_N
ClientSampleId :



#50

Toluene-d8

Concen: 47.24 ug/l

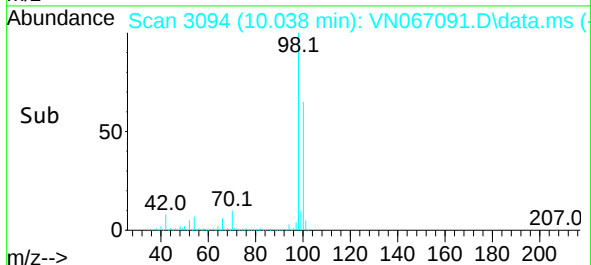
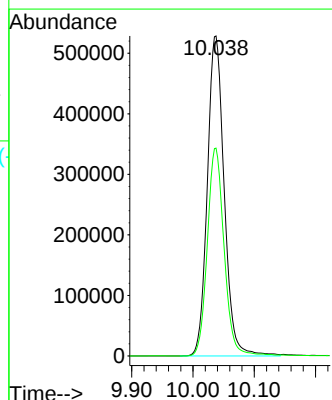
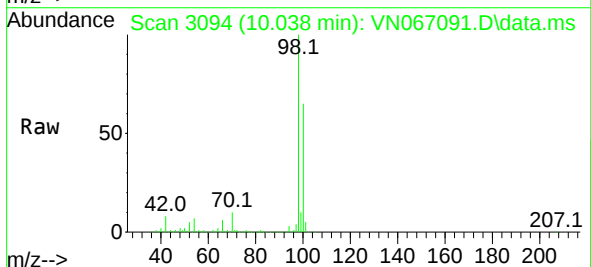
RT: 10.038 min Scan# 3094

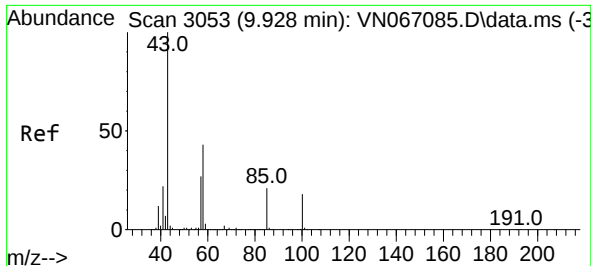
Delta R.T. 0.001 min

Lab File: VN067091.D

Acq: 17 May 2021 11:03

Tgt Ion:	98	Resp:	1013291
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8

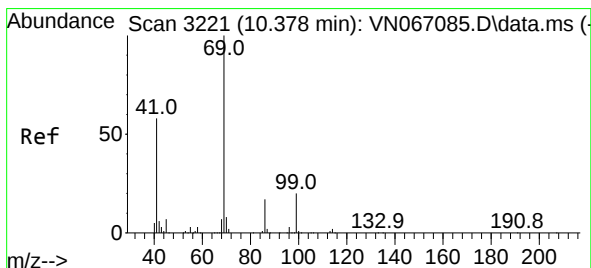
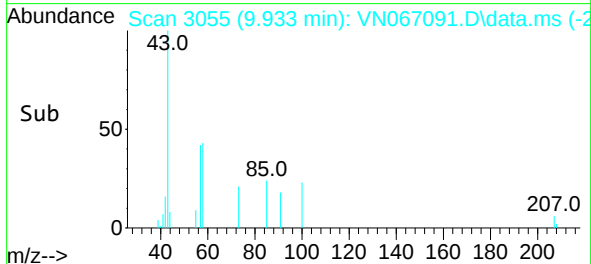
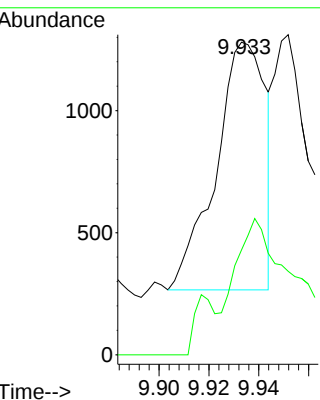
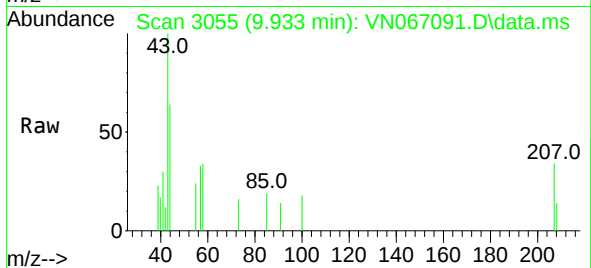




#51
4-Methyl-2-Pentanone
Concen: 5.60 ug/l
RT: 9.933 min Scan# 3055
Delta R.T. 0.005 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

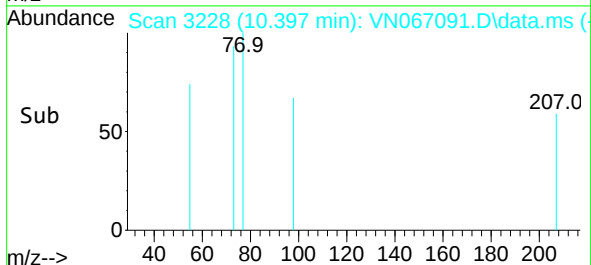
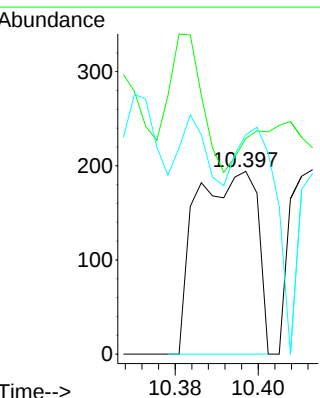
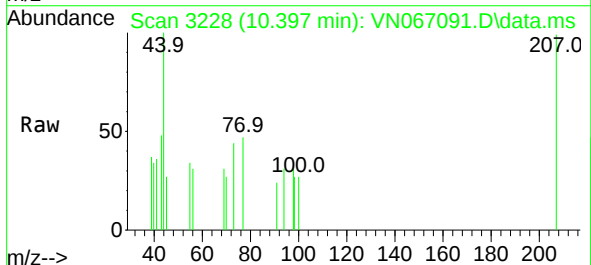
Instrument :
MSVOA_N
ClientSampled :

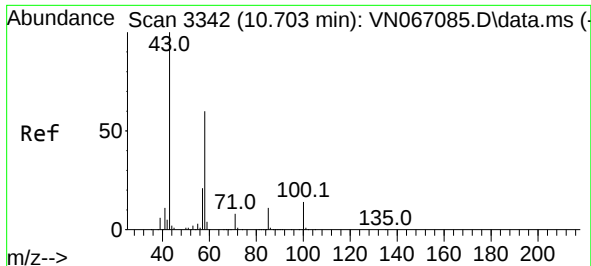
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 44.9 34.5 51.7



#56
Ethyl methacrylate
Concen: 1.96 ug/l
RT: 10.397 min Scan# 3228
Delta R.T. 0.019 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion: 69 Resp: 197
Ion Ratio Lower Upper
69 100
41 40.1 45.5 68.3#
39 86.3 22.9 34.3#

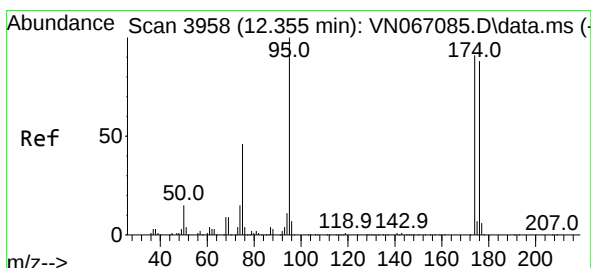
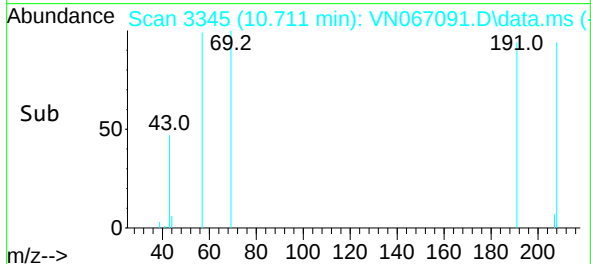
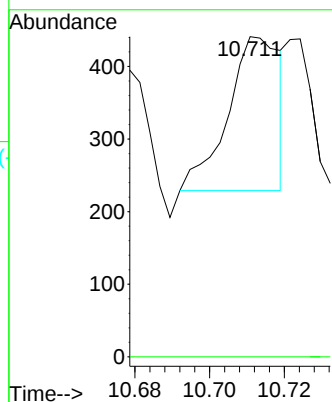
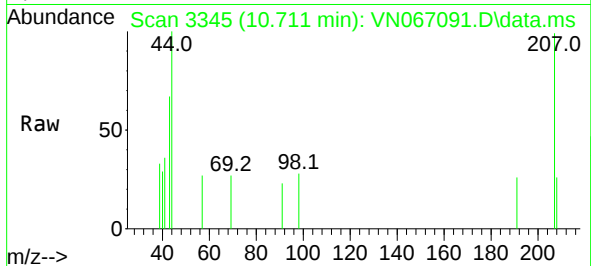




#59
2-Hexanone
Concen: 21.96 ug/l
RT: 10.711 min Scan# 3345
Delta R.T. 0.008 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

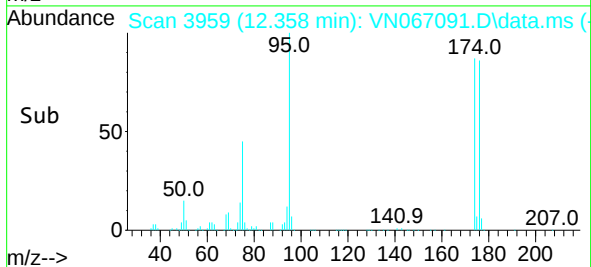
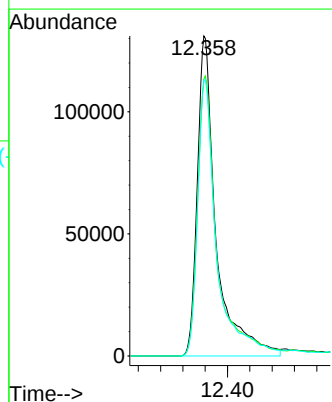
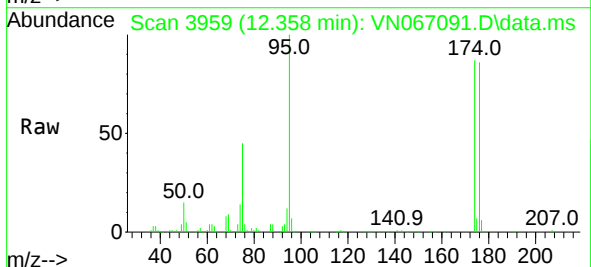
Instrument :
MSVOA_N
ClientSampled :

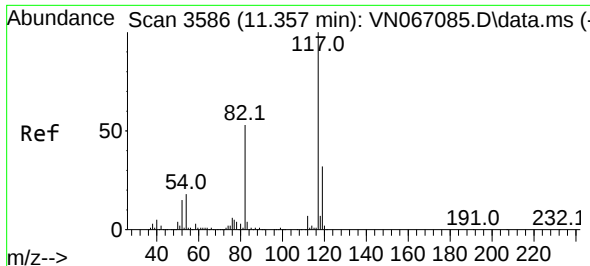
Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 42.73 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion: 95 Resp: 307013
Ion Ratio Lower Upper
95 100
174 90.2 0.0 182.8
176 87.6 0.0 176.6

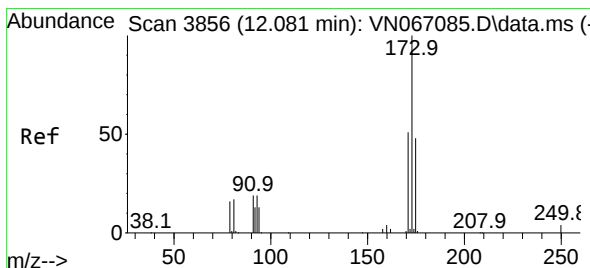
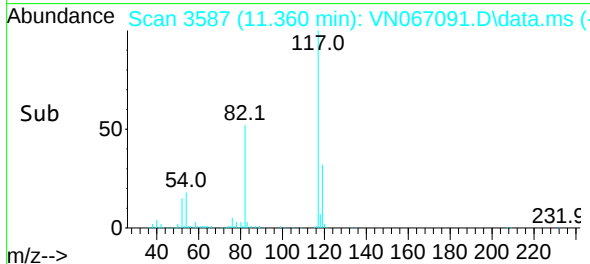
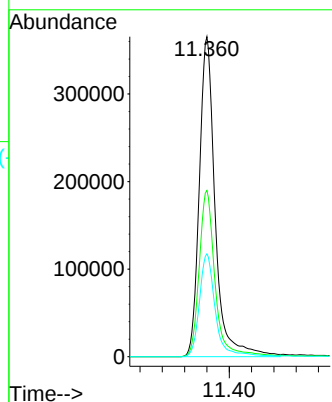
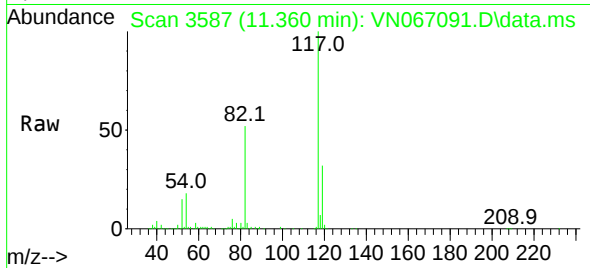




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

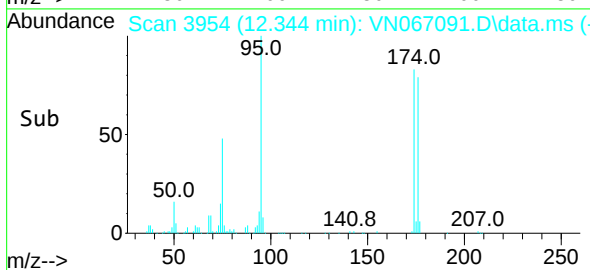
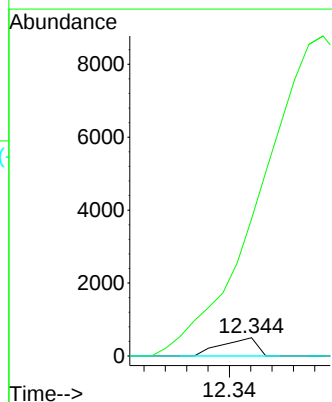
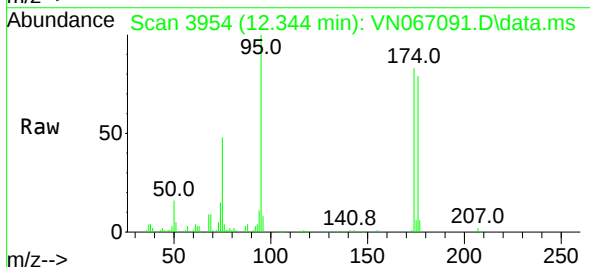
Instrument :
MSVOA_N
ClientSampled :

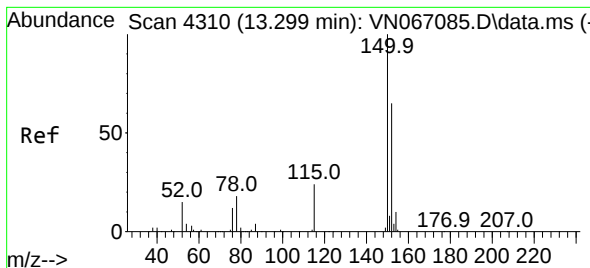
Tgt Ion:117 Resp: 720863
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.2
119 32.1 25.8 38.6



#71
Bromoform
Concen: 1.80 ug/l
RT: 12.344 min Scan# 3954
Delta R.T. 0.263 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion:173 Resp: 230
Ion Ratio Lower Upper
173 100
175 5819.6 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.302 min Scan# 4311

Delta R.T. 0.003 min

Lab File: VN067091.D

Acq: 17 May 2021 11:03

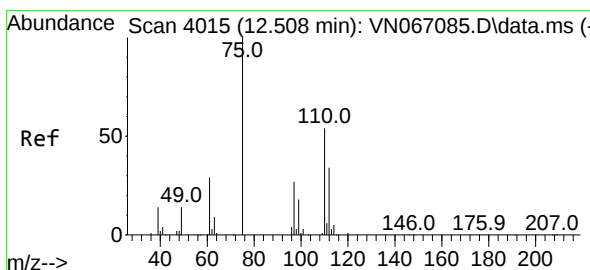
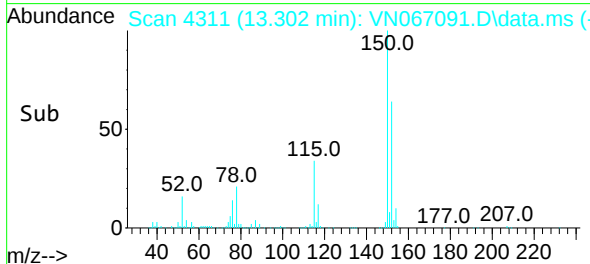
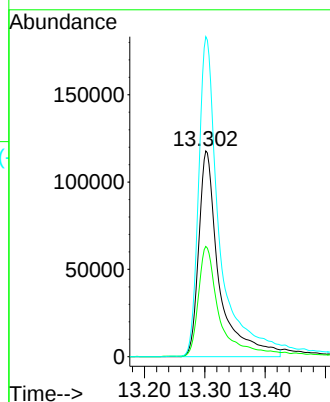
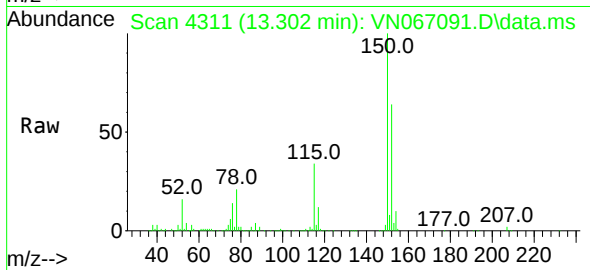
Tgt Ion:152 Resp: 279017

Ion Ratio Lower Upper

152 100

115 53.4 27.0 80.8

150 161.1 0.0 350.2



#76

1,2,3-Trichloropropane

Concen: 24.35 ug/l

RT: 12.360 min Scan# 3960

Delta R.T. -0.148 min

Lab File: VN067091.D

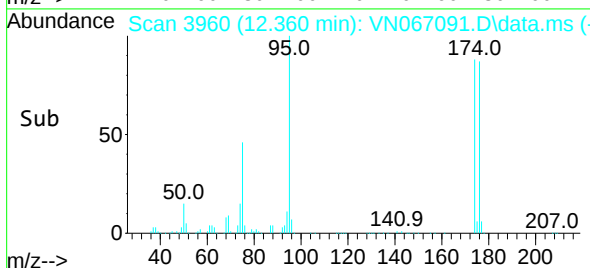
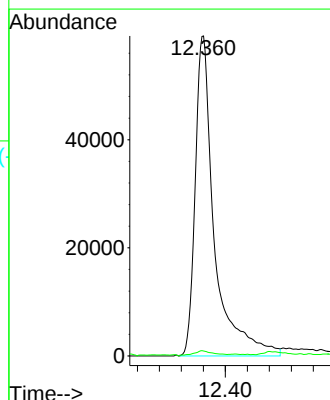
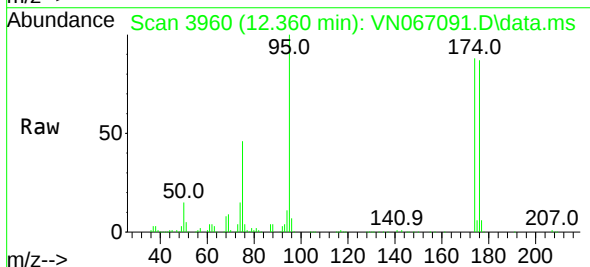
Acq: 17 May 2021 11:03

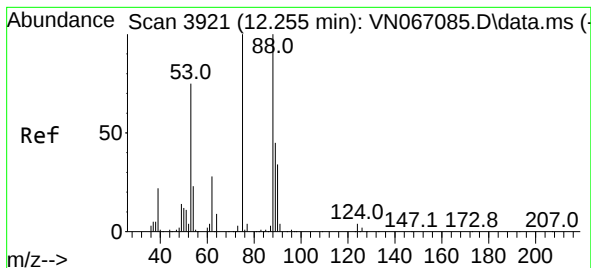
Tgt Ion: 75 Resp: 143373

Ion Ratio Lower Upper

75 100

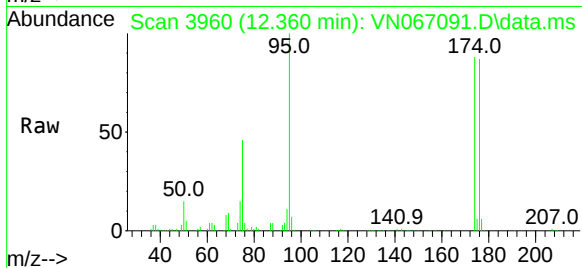
77 1.8 0.0 0.0#



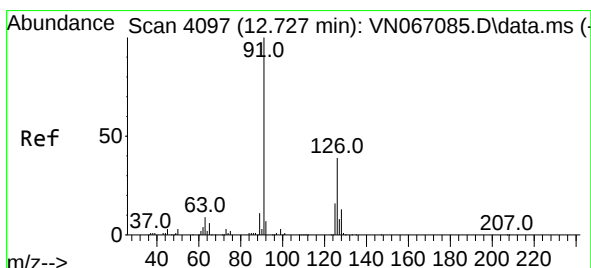
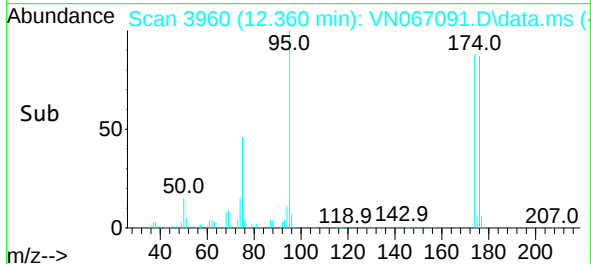
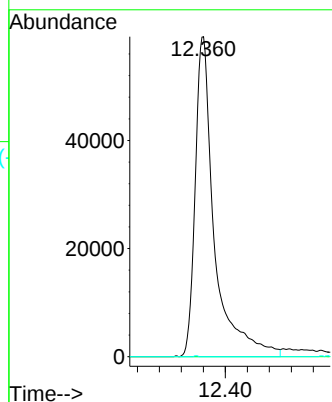


#81
trans-1,4-Dichloro-2-butene
Concen: 72.73 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.105 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Instrument :
MSVOA_N
ClientSampleId :

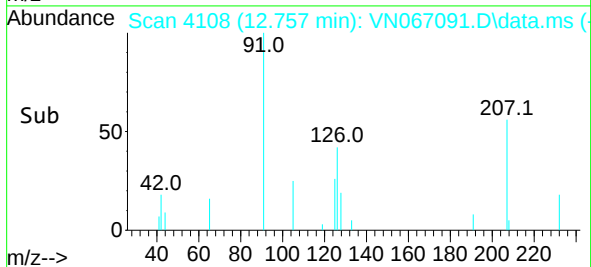
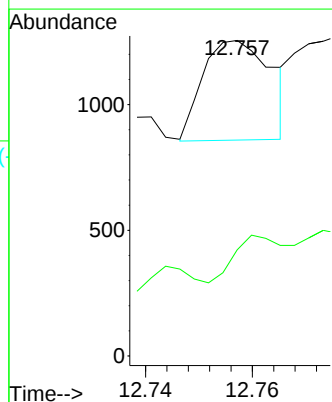
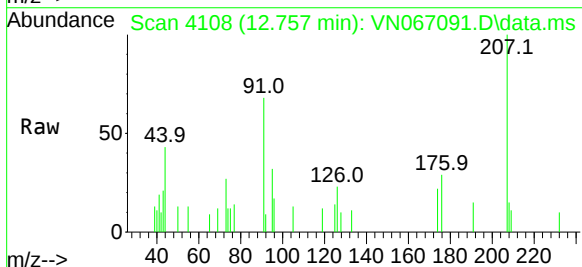


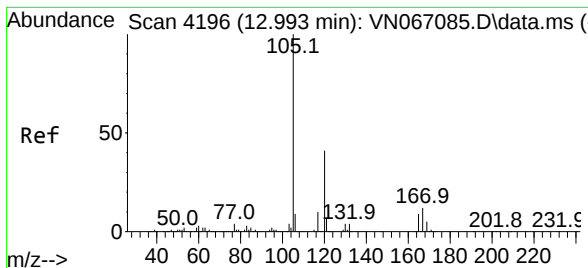
Tgt Ion: 75 Resp: 143373
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.1 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.20 ug/l
RT: 12.757 min Scan# 4108
Delta R.T. 0.030 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion: 91 Resp: 355
Ion Ratio Lower Upper
91 100
126 32.1 17.7 53.1

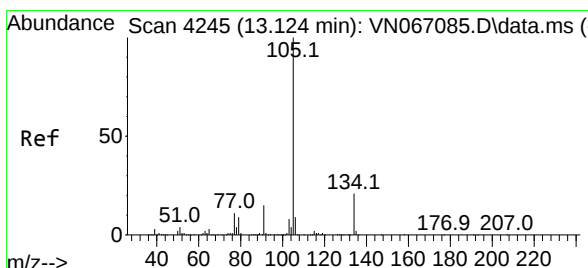
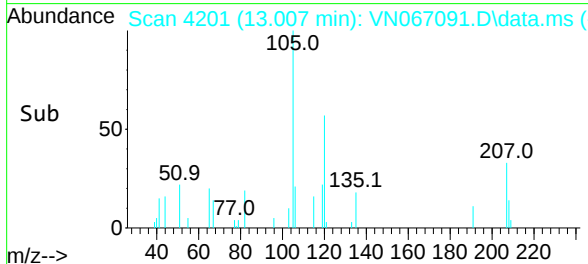
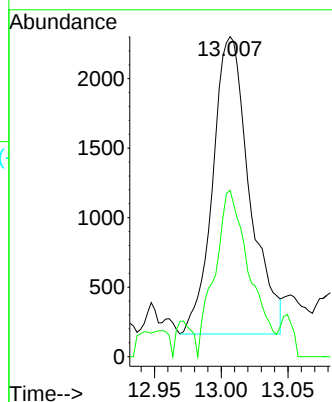
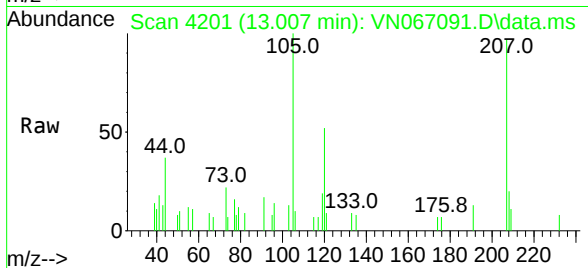




#84
1,2,4-Trimethylbenzene
Concen: 0.23 ug/l
RT: 13.007 min Scan# 4201
Delta R.T. 0.014 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

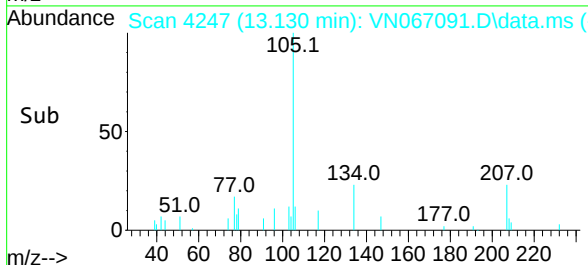
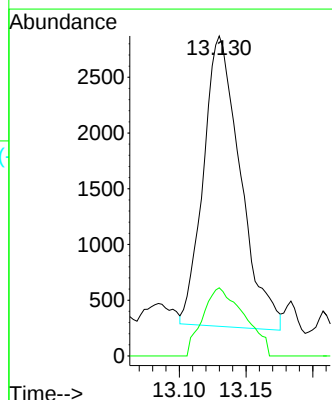
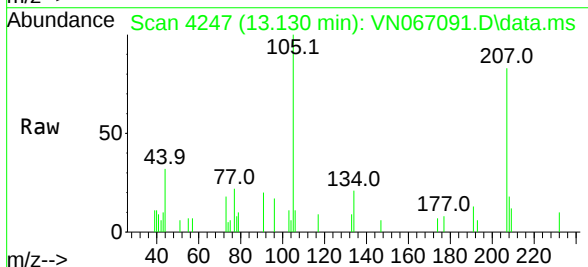
Instrument :
MSVOA_N
ClientSampled :

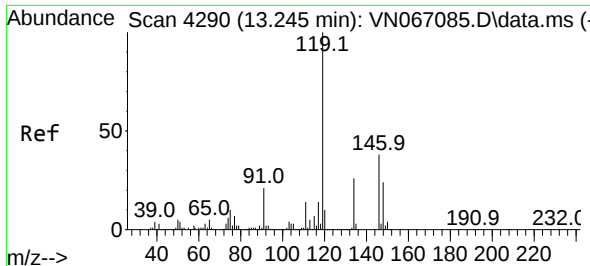
Tgt Ion:105 Resp: 4096
Ion Ratio Lower Upper
105 100
120 53.3 23.8 71.2



#85
sec-Butylbenzene
Concen: 0.23 ug/l
RT: 13.130 min Scan# 4247
Delta R.T. 0.006 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion:105 Resp: 5011
Ion Ratio Lower Upper
105 100
134 26.6 10.5 31.5

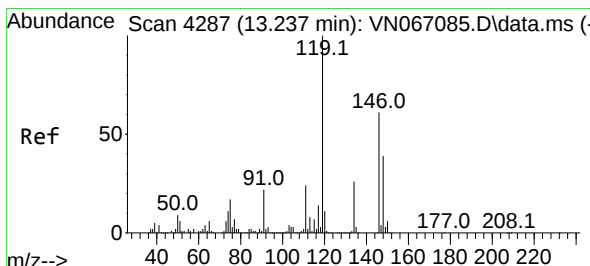
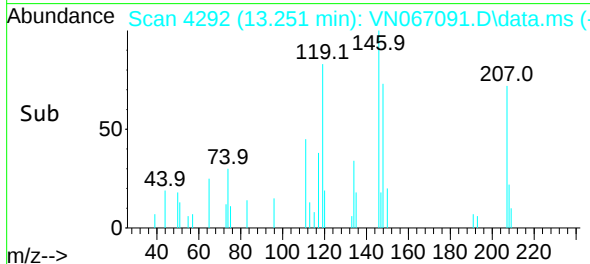
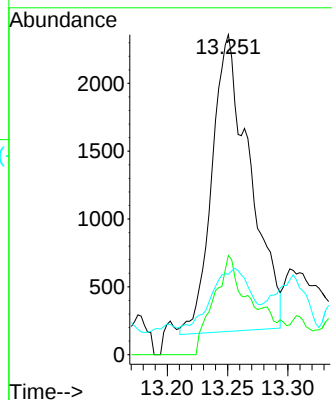
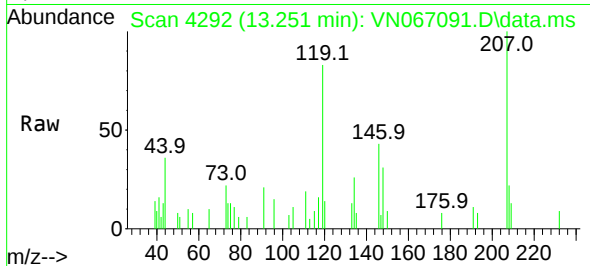




#86
p-Isopropyltoluene
Concen: 0.25 ug/l
RT: 13.251 min Scan# 4292
Delta R.T. 0.006 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

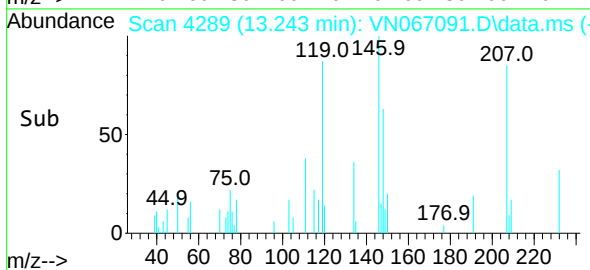
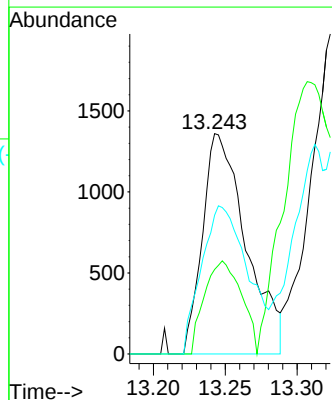
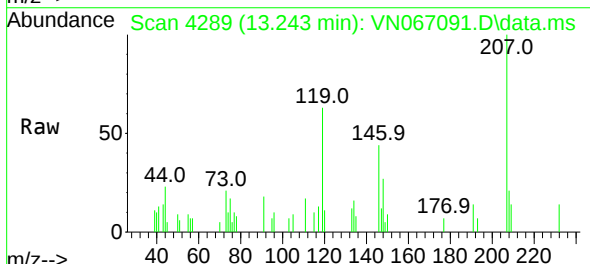
Instrument :
MSVOA_N
ClientSampled :

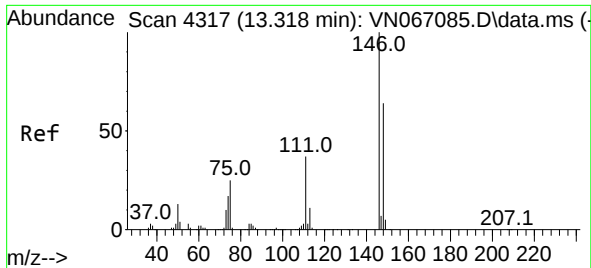
Tgt Ion:119 Resp: 4768
Ion Ratio Lower Upper
119 100
134 28.1 13.3 39.9
91 18.6 10.7 32.1



#87
1,3-Dichlorobenzene
Concen: 0.30 ug/l
RT: 13.243 min Scan# 4289
Delta R.T. 0.006 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion:146 Resp: 2869
Ion Ratio Lower Upper
146 100
111 35.8 19.3 57.8
148 71.3 32.0 96.2

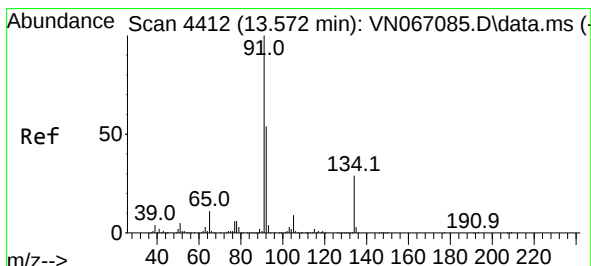
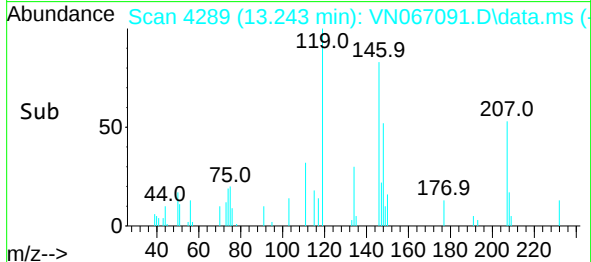
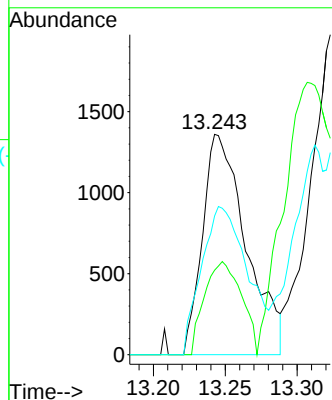
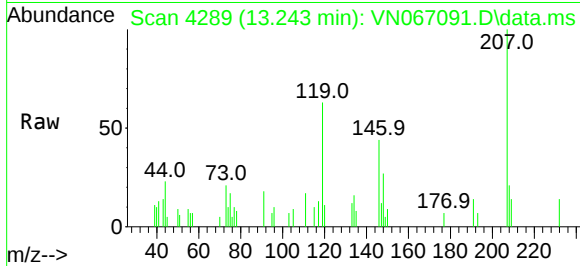




#88
1,4-Dichlorobenzene
Concen: 0.29 ug/l
RT: 13.243 min Scan# 4289
Delta R.T. -0.075 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

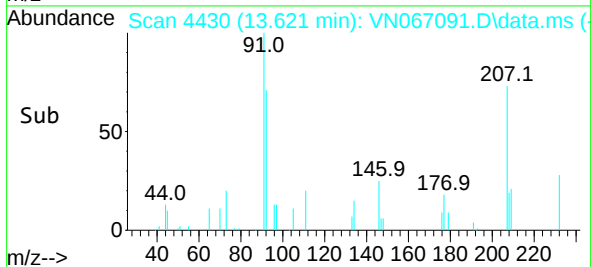
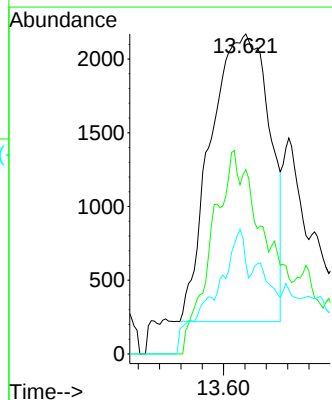
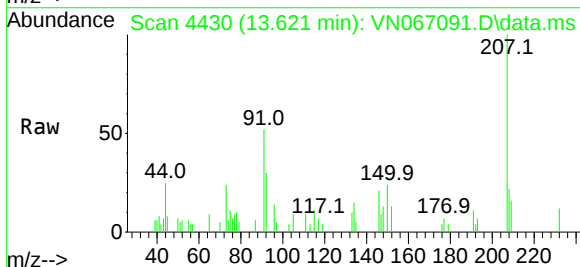
Instrument :
MSVOA_N
ClientSampled :

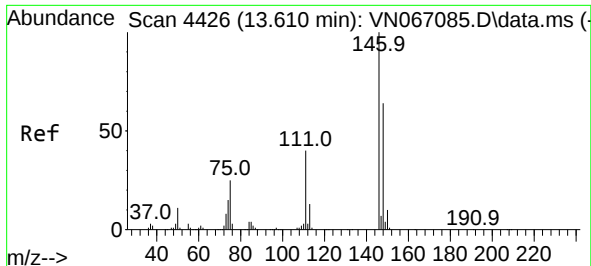
Tgt Ion:146 Resp: 2869
Ion Ratio Lower Upper
146 100
111 35.8 18.5 55.5
148 71.3 31.4 94.3



#89
n-Butylbenzene
Concen: 0.52 ug/l
RT: 13.621 min Scan# 4430
Delta R.T. 0.049 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion: 91 Resp: 7442
Ion Ratio Lower Upper
91 100
92 4.1 26.5 79.5#
134 24.1 14.3 42.9

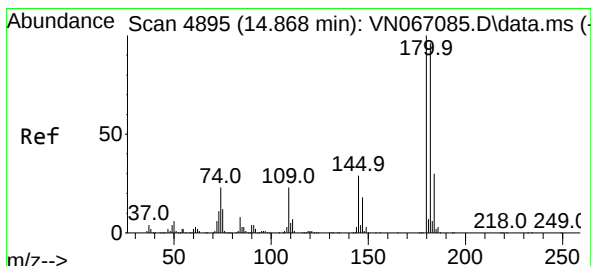
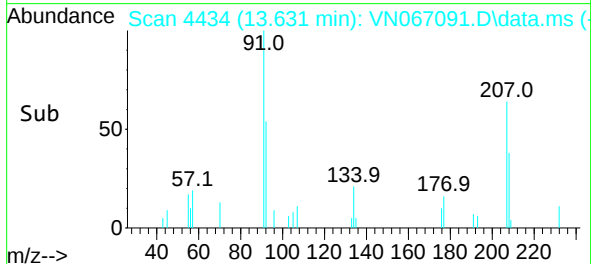
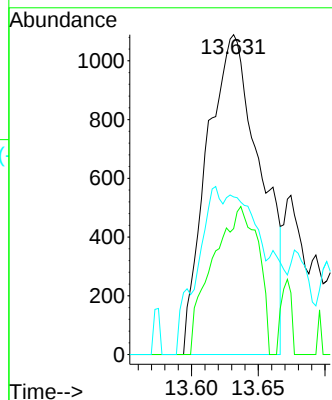
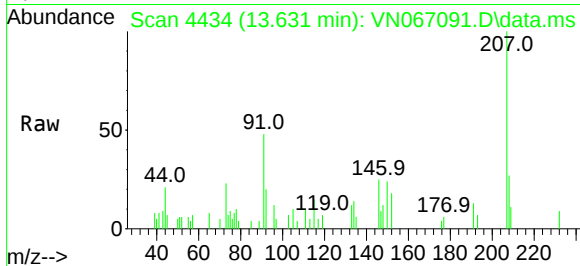




#91
1,2-Dichlorobenzene
Concen: 0.31 ug/l
RT: 13.631 min Scan# 4434
Delta R.T. 0.021 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

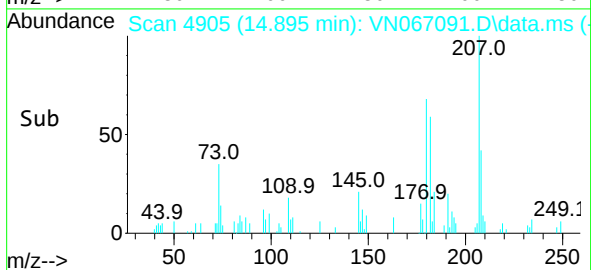
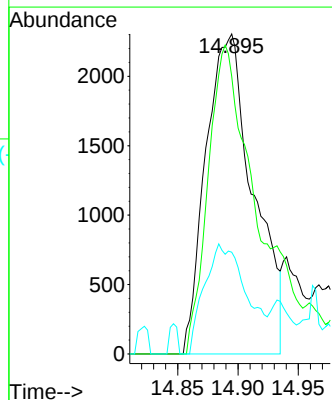
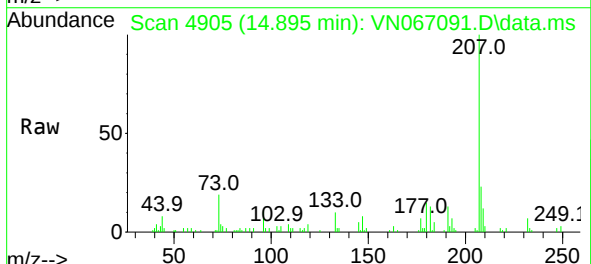
Instrument :
MSVOA_N
ClientSampled :

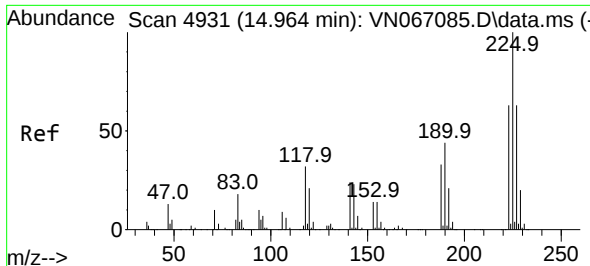
Tgt Ion:146 Resp: 3031
Ion Ratio Lower Upper
146 100
111 39.5 19.8 59.3
148 25.4 31.7 95.1#



#93
1,2,4-Trichlorobenzene
Concen: 1.28 ug/l
RT: 14.895 min Scan# 4905
Delta R.T. 0.027 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion:180 Resp: 6317
Ion Ratio Lower Upper
180 100
182 98.7 47.3 141.8
145 30.8 14.0 42.0

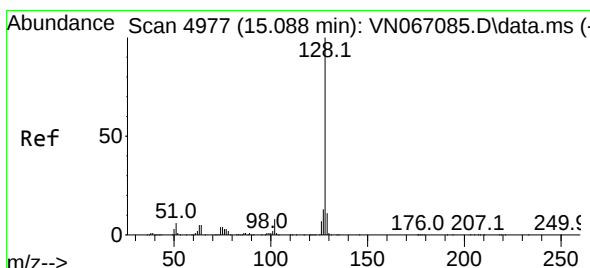
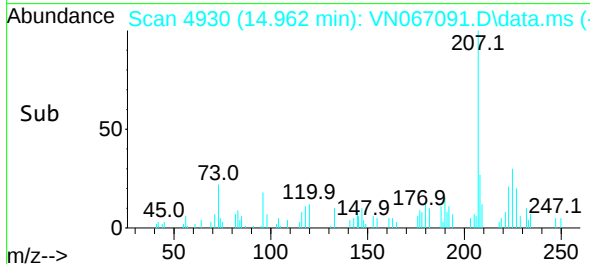
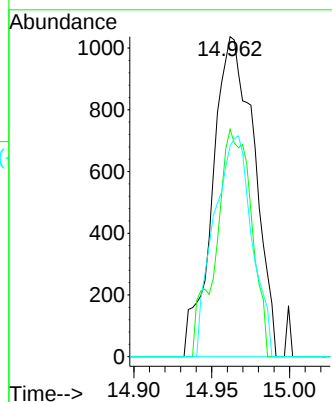
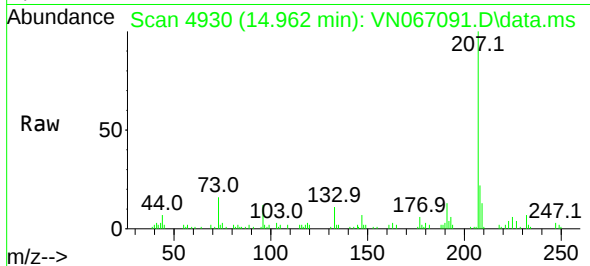




#94
Hexachlorobutadiene
Concen: 0.56 ug/l
RT: 14.962 min Scan# 4930
Delta R.T. -0.002 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

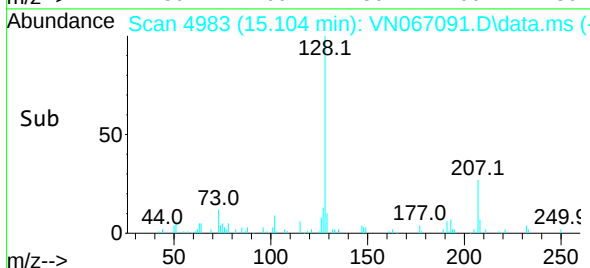
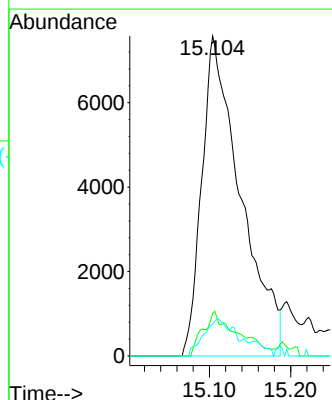
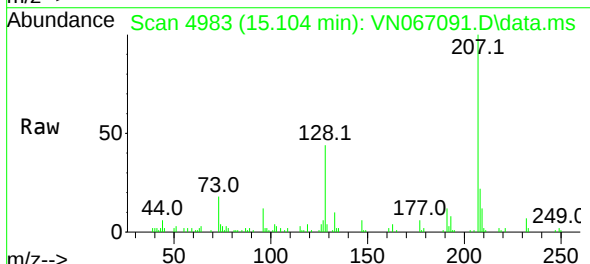
Instrument :
MSVOA_N
ClientSampled :

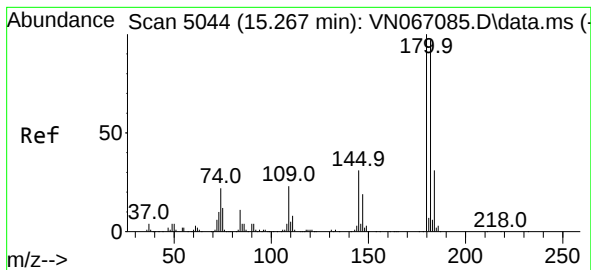
Tgt Ion:	225	Resp:	1924
Ion Ratio	Lower	Upper	
225	100		
223	60.8	31.7	95.1
227	62.9	31.7	95.1



#95
Naphthalene
Concen: 5.24 ug/l
RT: 15.104 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN067091.D
Acq: 17 May 2021 11:03

Tgt Ion:	128	Resp:	25146
Ion Ratio	Lower	Upper	
128	100		
127	6.1	10.2	15.2#
129	6.6	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.07 ug/l
 RT: 15.276 min Scan# 5047
 Delta R.T. 0.009 min
 Lab File: VN067091.D
 Acq: 17 May 2021 11:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	48.5	145.6
145	32.0	15.4	46.2

