

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
 Data File : VN067107.D
 Acq On : 17 May 2021 17:24
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:10:18 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)

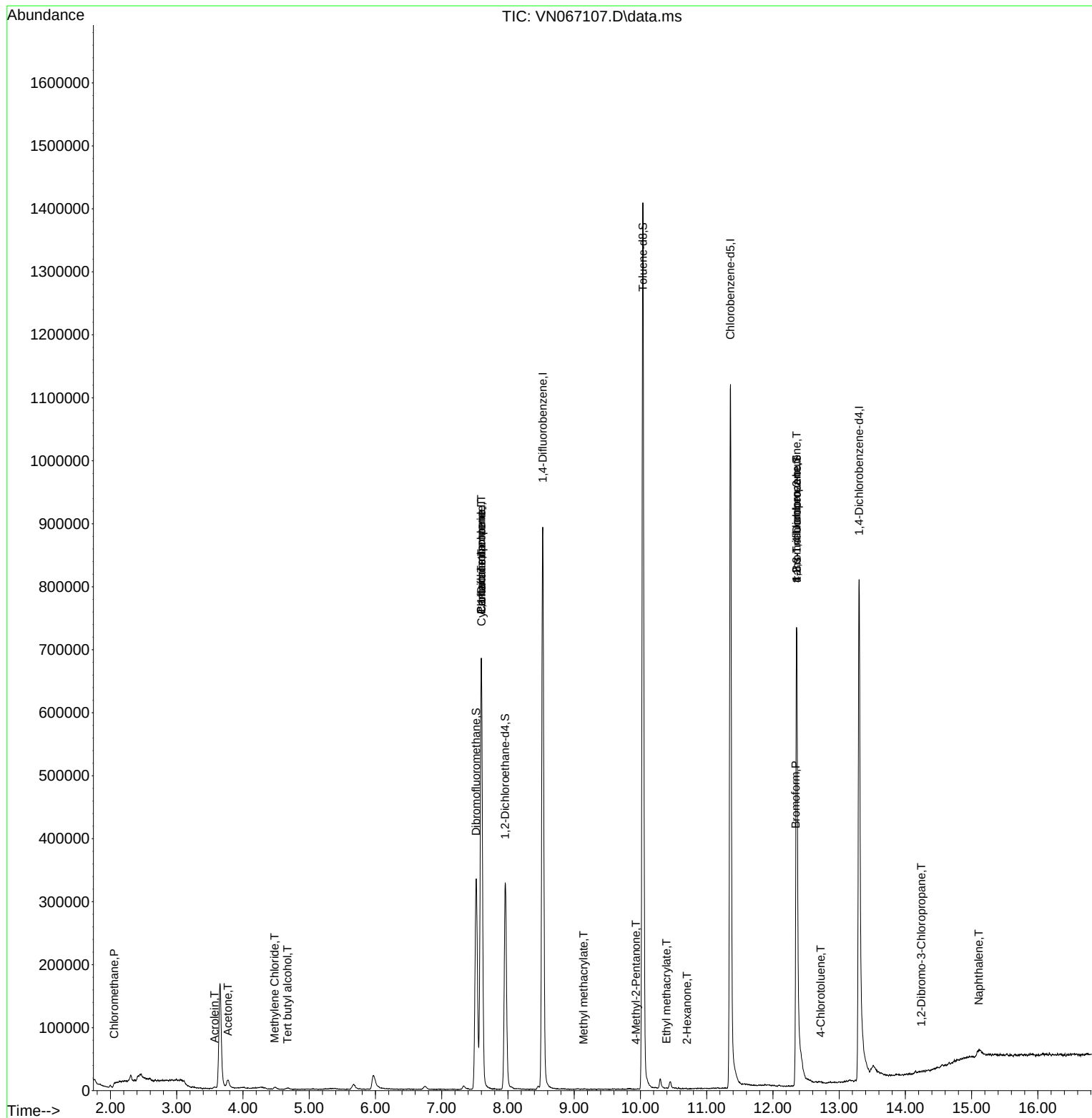
Internal Standards						
1) Pentafluorobenzene	7.600	168	651124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	913580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	795377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	338547	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	295151	41.96	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.92%		
35) Dibromofluoromethane	7.519	113	270859	45.15	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.30%		
50) Toluene-d8	10.038	98	1074070	47.24	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.48%		
62) 4-Bromofluorobenzene	12.357	95	342900	45.02	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.04%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	1811	0.25	ug/l	93
11) Tert butyl alcohol	4.671	59	1016	0.87	ug/l #	90
13) Acrolein	3.571	56	3610	2.49	ug/l	97
16) Acetone	3.772	43	21633	9.90	ug/l	91
20) Methylene Chloride	4.478	84	1150	0.24	ug/l #	79
31) Cyclohexane	7.602	56	9249	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	38155	4.58	ug/l #	48
38) Carbon Tetrachloride	7.600	117	53031	5.98	ug/l #	15
48) Methyl methacrylate	9.139	41	55	1.95	ug/l #	13
51) 4-Methyl-2-Pentanone	9.933	43	384	5.45	ug/l #	33
56) Ethyl methacrylate	10.394	69	63	1.95	ug/l #	1
59) 2-Hexanone	10.703	43	41	21.93	ug/l #	21
71) Bromoform	12.344	173	204	1.80	ug/l #	28
76) 1,2,3-Trichloropropane	12.357	75	156751	21.94	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.357	75	156751	65.95	ug/l #	15
82) 4-Chlorotoluene	12.722	91	126	1.19	ug/l #	39
92) 1,2-Dibromo-3-Chloropr...	14.243	75	317	0.25	ug/l #	1
95) Naphthalene	15.109	128	13307	4.12	ug/l #	84

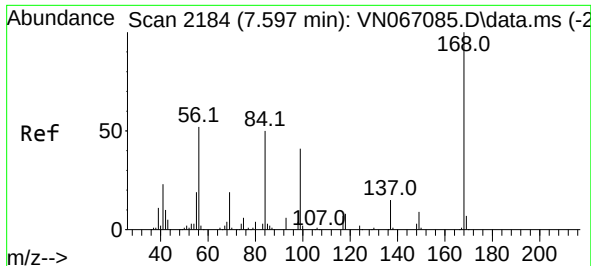
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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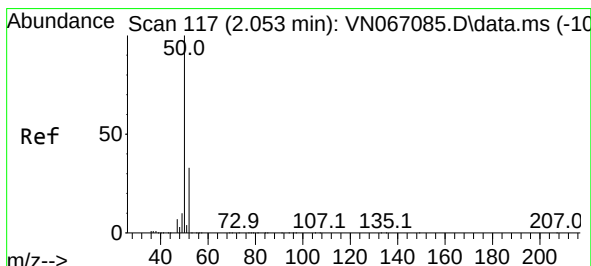
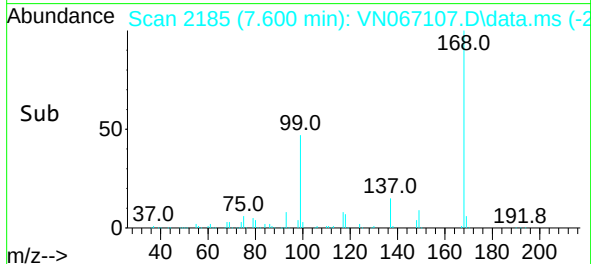
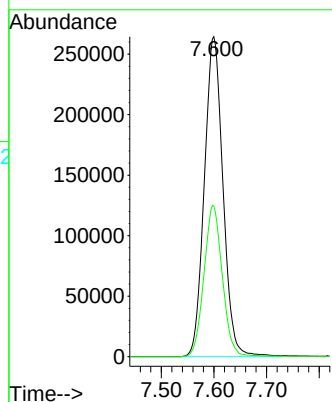
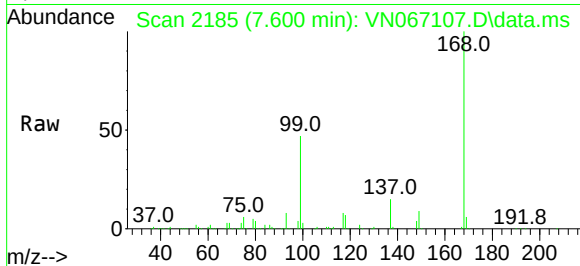




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

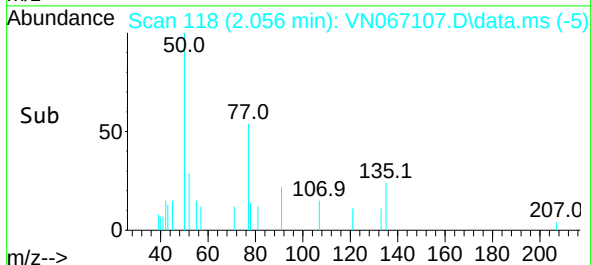
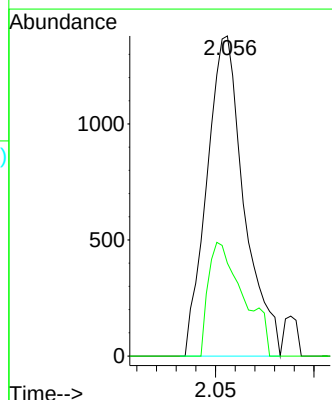
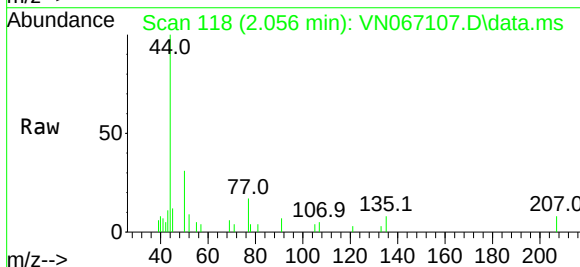
Instrument :
MSVOA_N
ClientSampled :

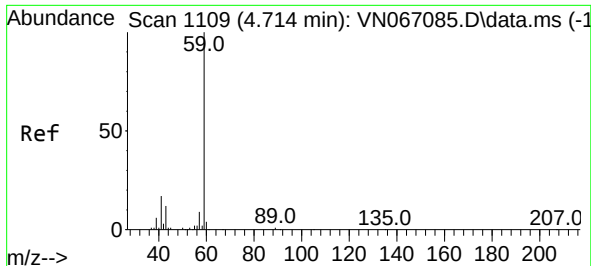
Tgt Ion:168 Resp: 651124
Ion Ratio Lower Upper
168 100
99 47.0 38.5 57.7



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.056 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

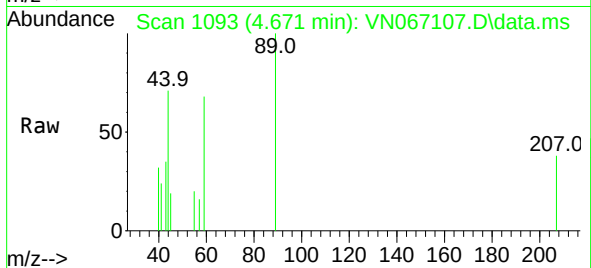
Tgt Ion: 50 Resp: 1811
Ion Ratio Lower Upper
50 100
52 29.0 26.5 39.7



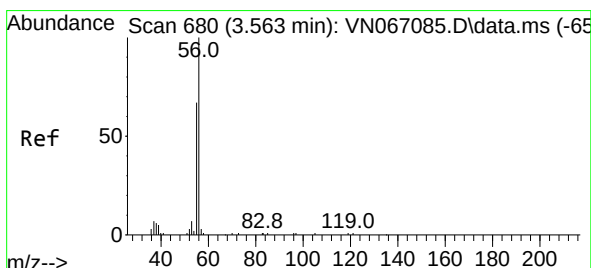
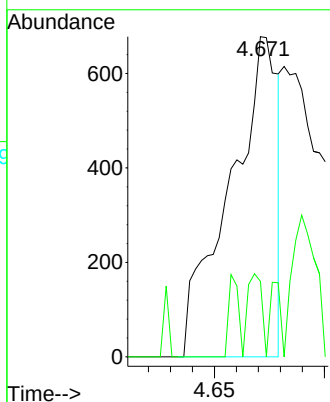
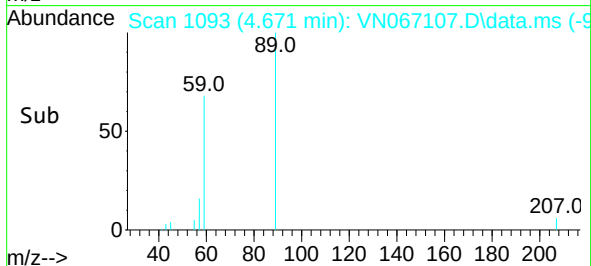


#11
Tert butyl alcohol
Concen: 0.87 ug/l
RT: 4.671 min Scan# 1093
Delta R.T. -0.043 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

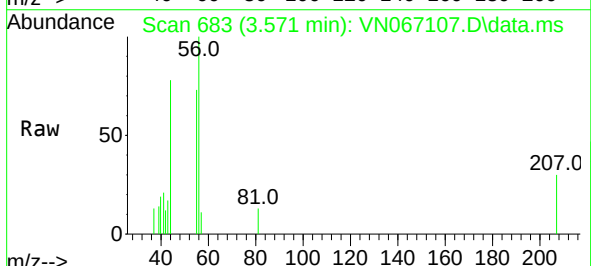
Instrument :
MSVOA_N
ClientSampled :



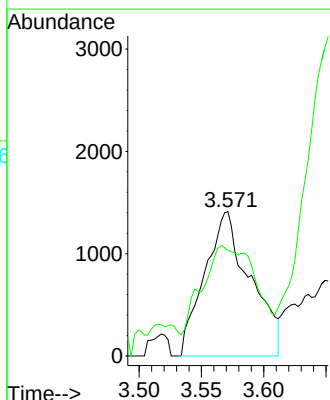
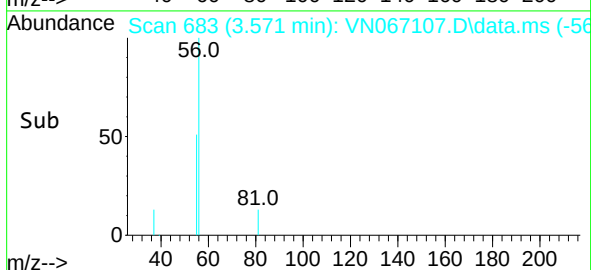
Tgt Ion: 59 Resp: 1016
Ion Ratio Lower Upper
59 100
57 7.8 3.5 5.3#

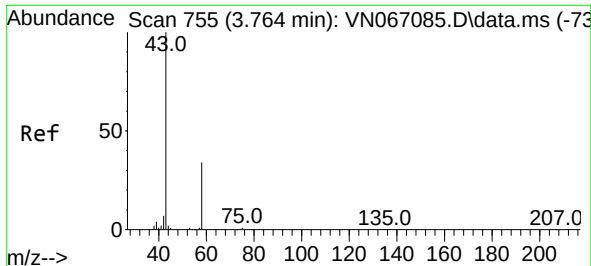


#13
Acrolein
Concen: 2.49 ug/l
RT: 3.571 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24



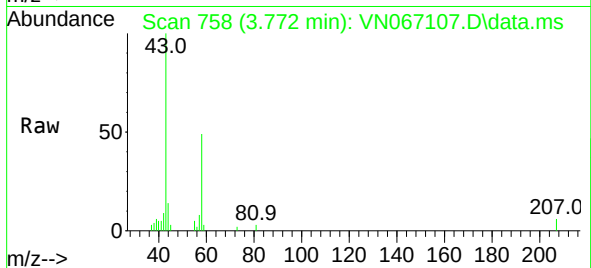
Tgt Ion: 56 Resp: 3610
Ion Ratio Lower Upper
56 100
55 69.6 53.8 80.6



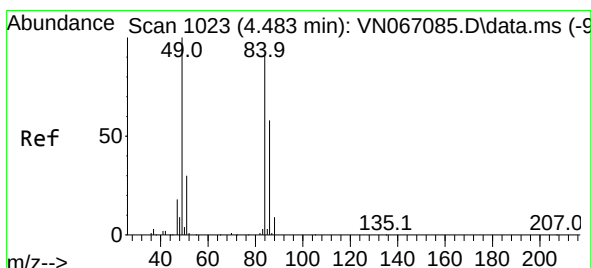
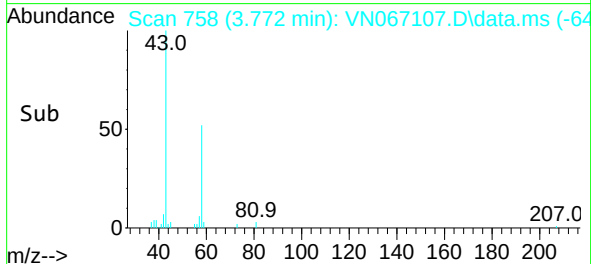
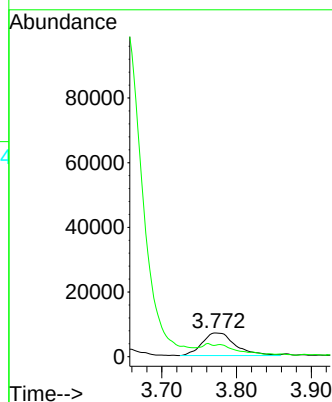


#16
Acetone
Concen: 9.90 ug/l
RT: 3.772 min Scan# 758
Delta R.T. 0.008 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

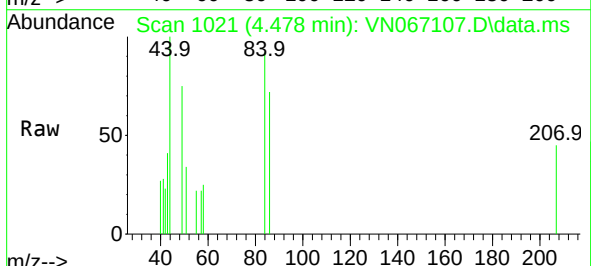
Instrument :
MSVOA_N
ClientSampled :



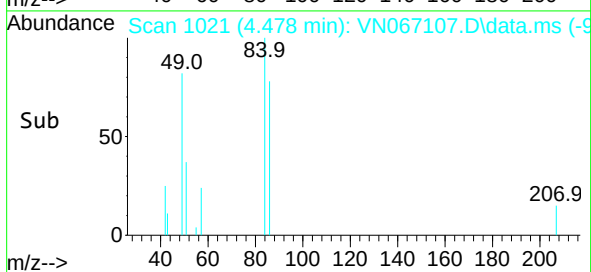
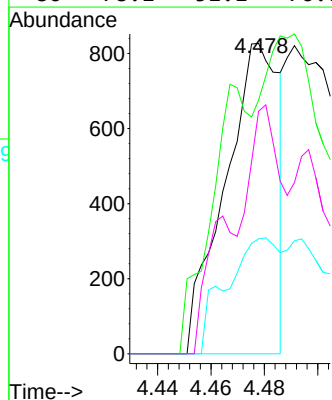
Tgt Ion: 43 Resp: 21633
Ion Ratio Lower Upper
43 100
58 39.1 27.2 40.8

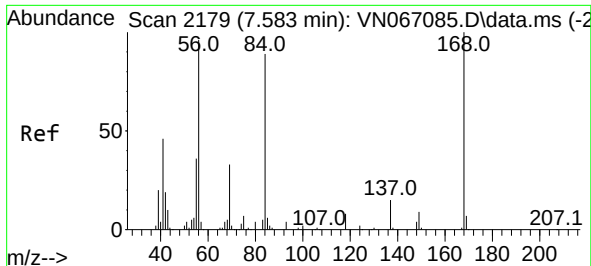


#20
Methylene Chloride
Concen: 0.24 ug/l
RT: 4.478 min Scan# 1021
Delta R.T. -0.005 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24



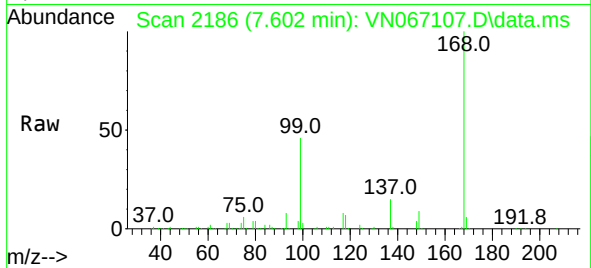
Tgt Ion: 84 Resp: 1150
Ion Ratio Lower Upper
84 100
49 81.7 88.3 132.5#
51 37.0 26.7 40.1
86 78.1 51.1 76.7#



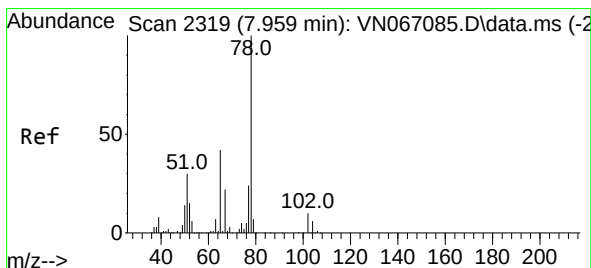
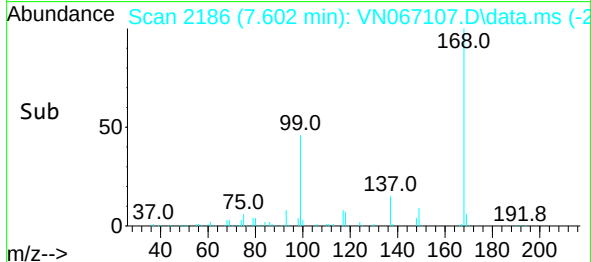
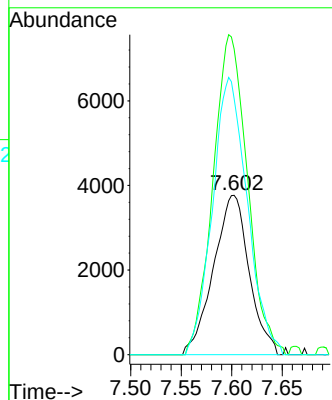


#31
Cyclohexane
Concen: 0.95 ug/l
RT: 7.602 min Scan# 2186
Delta R.T. 0.019 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Instrument :
MSVOA_N
ClientSampleId :

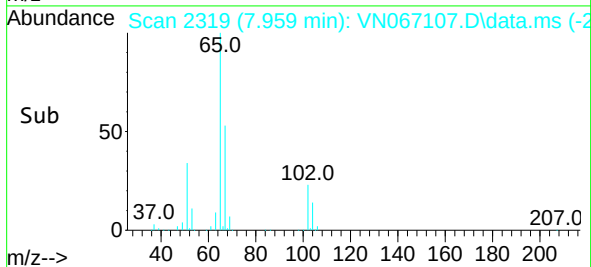
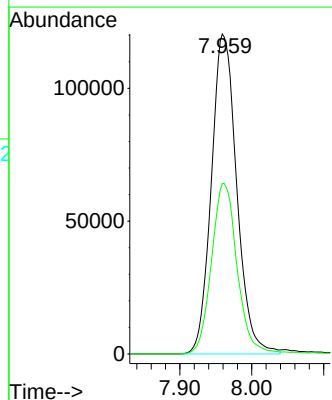
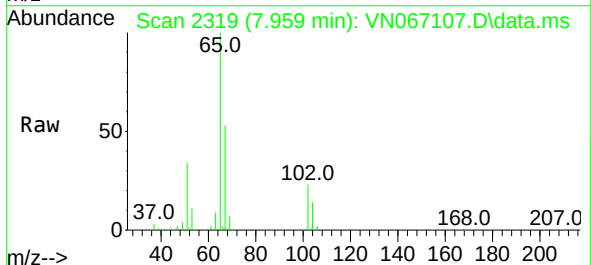


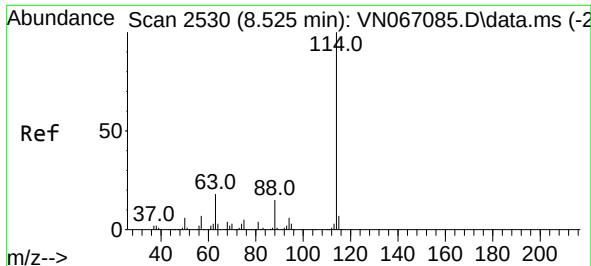
Tgt Ion: 56 Resp: 9249
Ion Ratio Lower Upper
56 100
69 191.8 28.0 42.0#
84 160.8 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 41.96 ug/l
RT: 7.959 min Scan# 2319
Delta R.T. 0.000 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Tgt Ion: 65 Resp: 295151
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.4

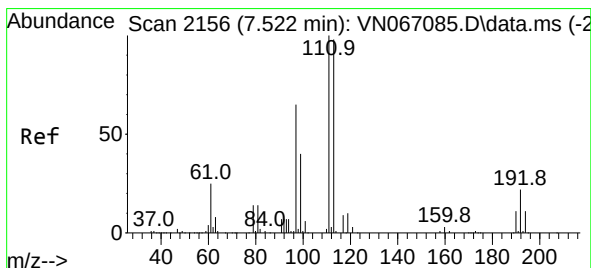
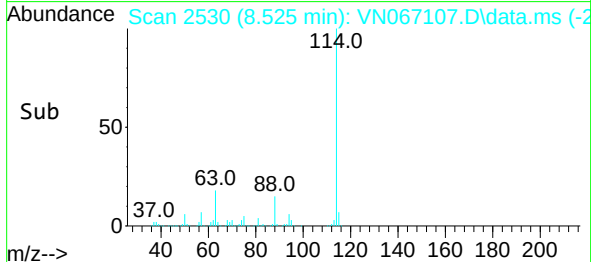
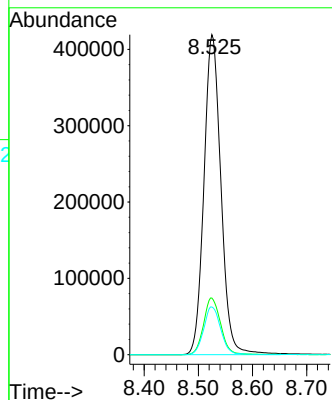
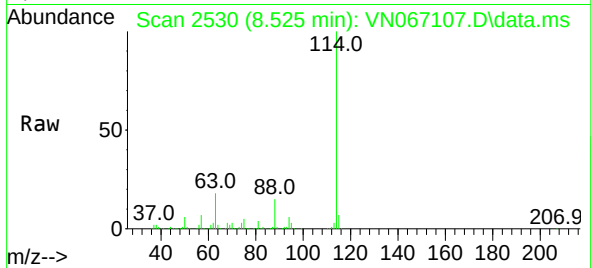




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. -0.000 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

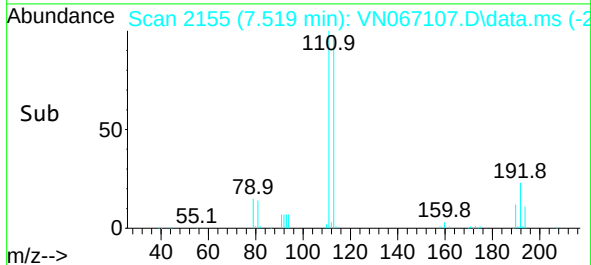
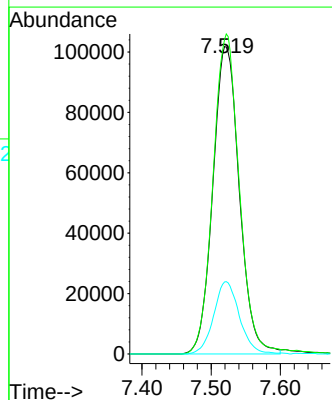
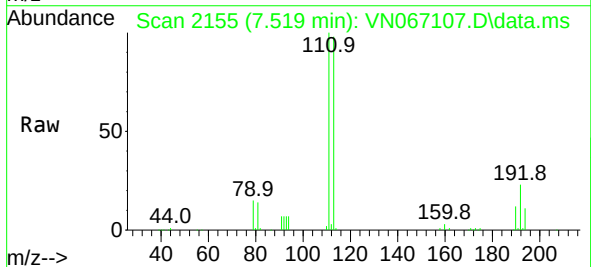
Instrument :
MSVOA_N
ClientSampleId :

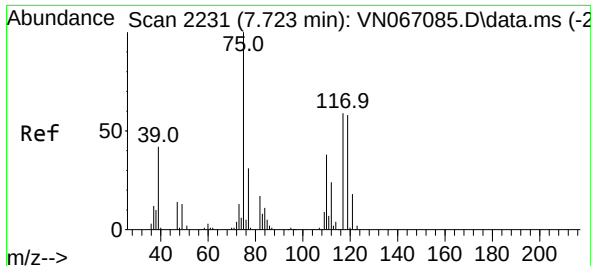
Tgt Ion:114 Resp: 913580
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.8
88 14.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 45.15 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Tgt Ion:113 Resp: 270859
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 22.8 18.2 27.4

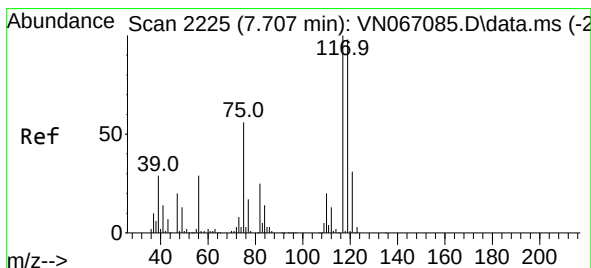
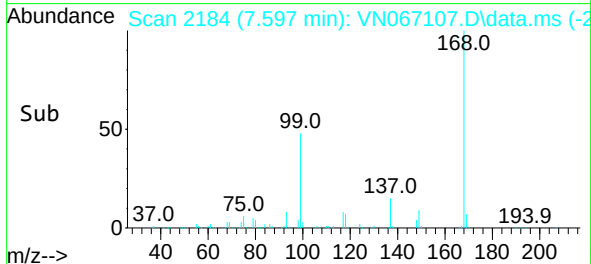
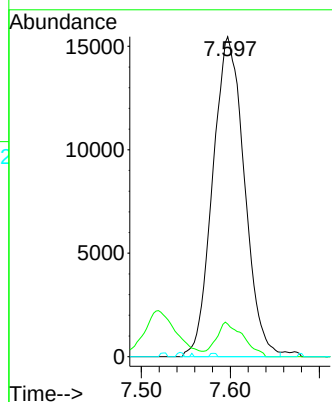
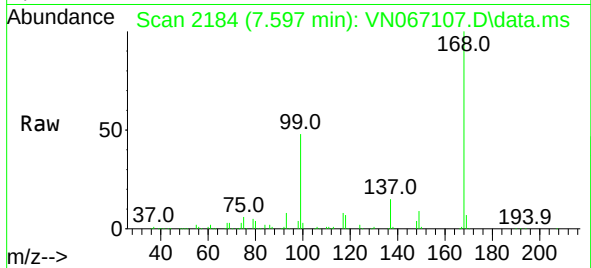




#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

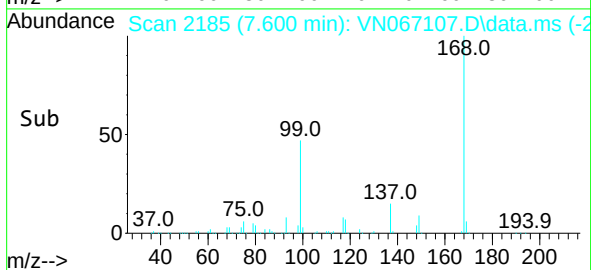
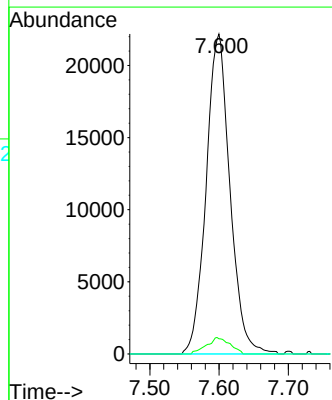
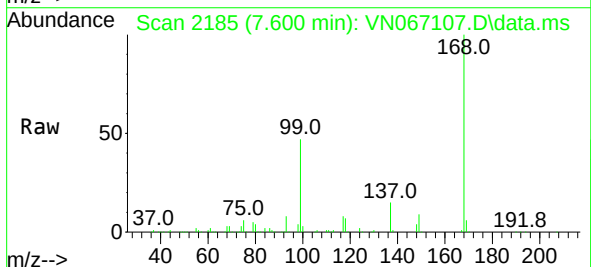
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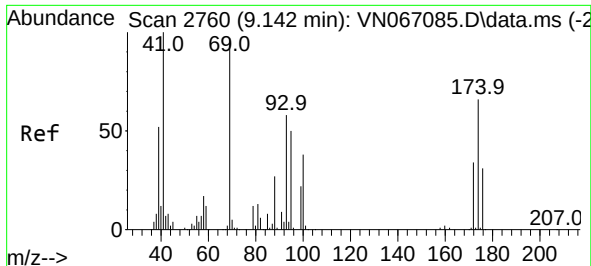
Tgt Ion: 75 Resp: 38155
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.98 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. -0.107 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Tgt Ion: 117 Resp: 53031
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 1.95 ug/l

RT: 9.139 min Scan# 2759

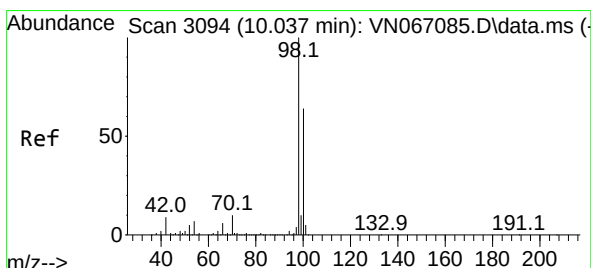
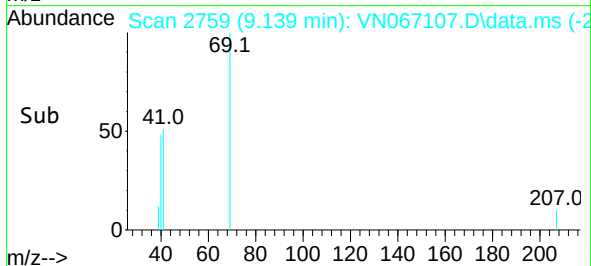
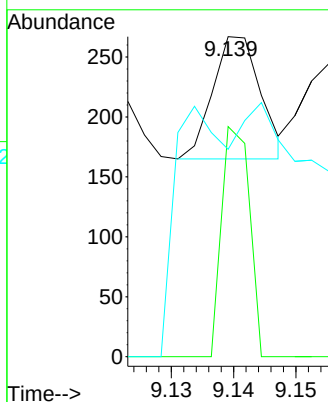
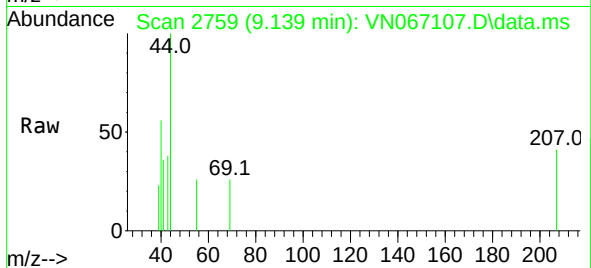
Delta R.T. -0.003 min

Lab File: VN067107.D

Acq: 17 May 2021 17:24

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	41	Resp:	55
Ion	Ratio	Lower	Upper
41	100		
69	107.3	80.5	120.7
39	221.8	41.4	62.0#



#50

Toluene-d8

Concen: 47.24 ug/l

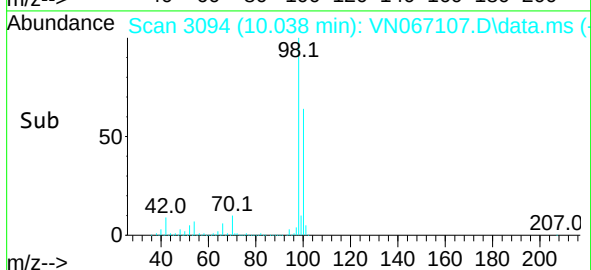
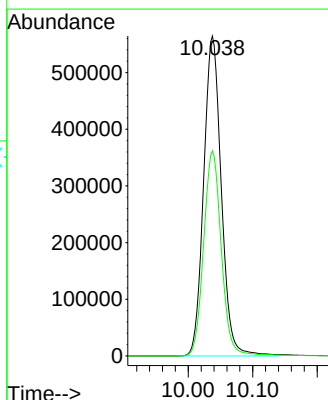
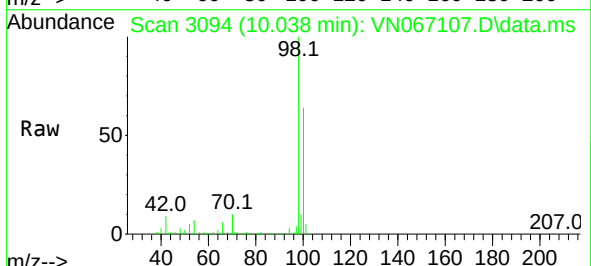
RT: 10.038 min Scan# 3094

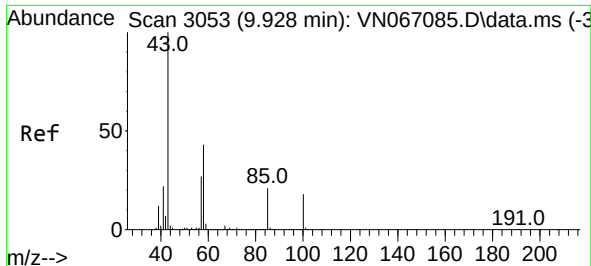
Delta R.T. 0.001 min

Lab File: VN067107.D

Acq: 17 May 2021 17:24

Tgt Ion:	98	Resp:	1074070
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8

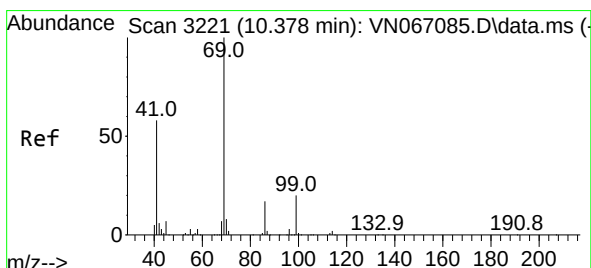
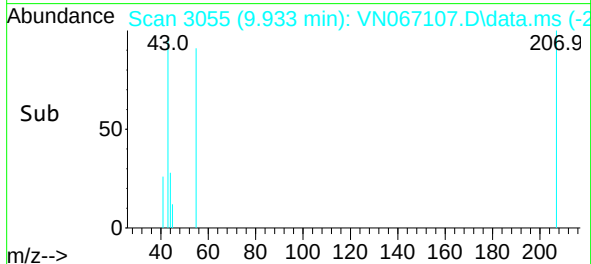
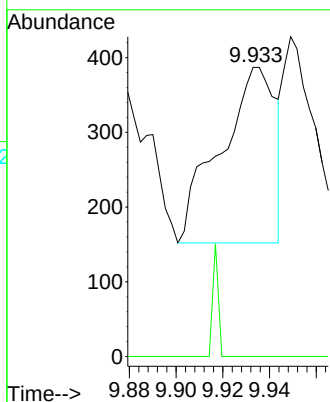
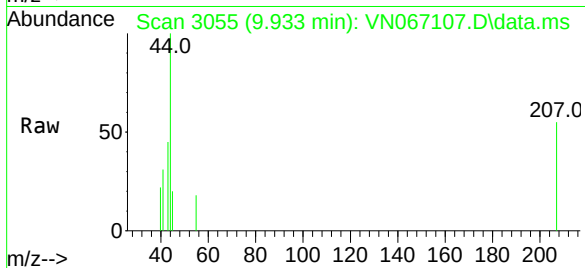




#51
4-Methyl-2-Pentanone
Concen: 5.45 ug/l
RT: 9.933 min Scan# 3055
Delta R.T. 0.005 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

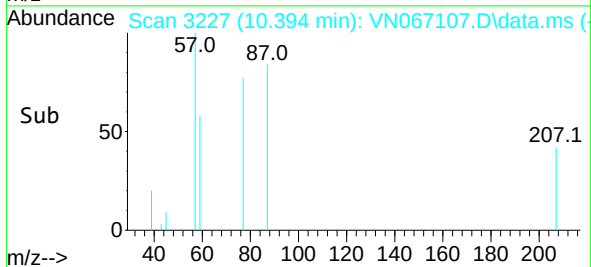
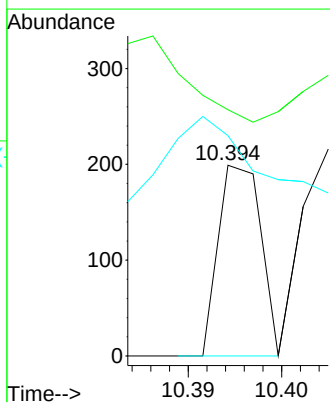
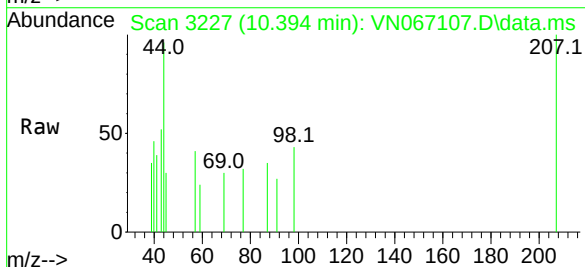
Instrument :
MSVOA_N
ClientSampled :

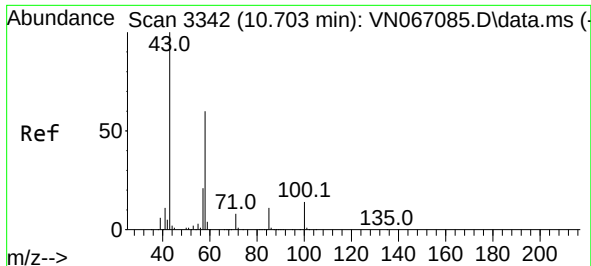
Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 0.0 34.5 51.7#



#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.394 min Scan# 3227
Delta R.T. 0.016 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 455.6 22.9 34.3#

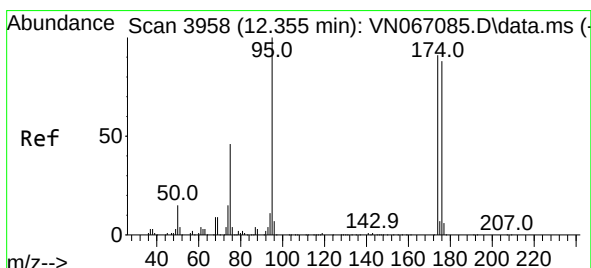
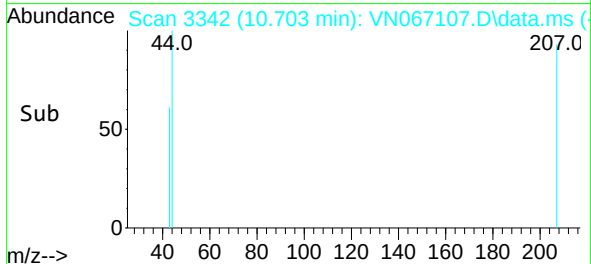
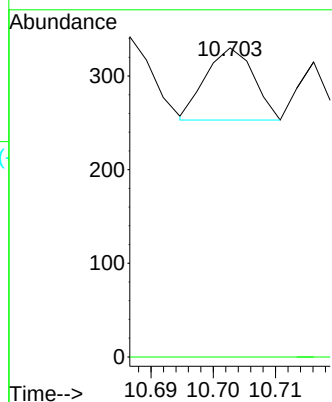
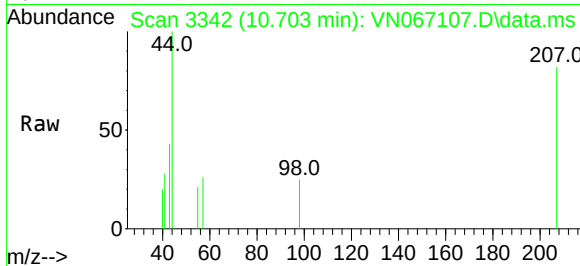




#59
2-Hexanone
Concen: 21.93 ug/l
RT: 10.703 min Scan# 3342
Delta R.T. -0.000 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

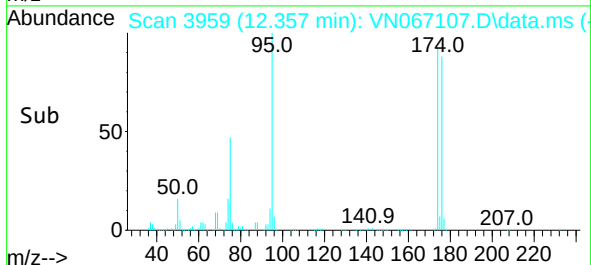
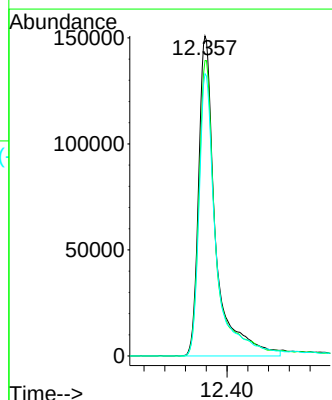
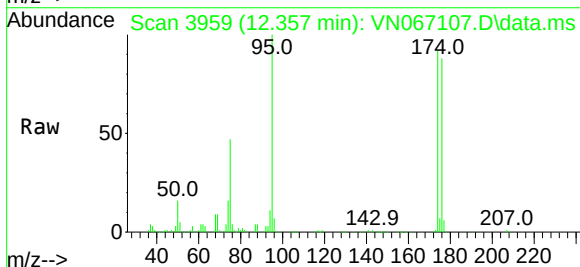
Instrument :
MSVOA_N
ClientSampled :

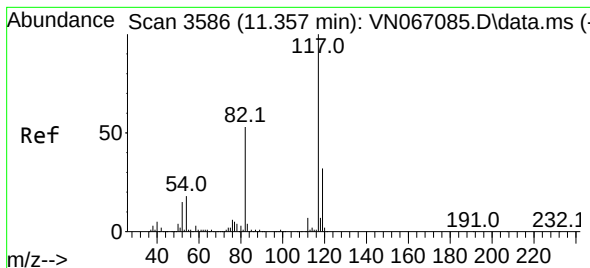
Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 45.02 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Tgt Ion: 95 Resp: 342900
Ion Ratio Lower Upper
95 100
174 91.1 0.0 182.8
176 88.1 0.0 176.6

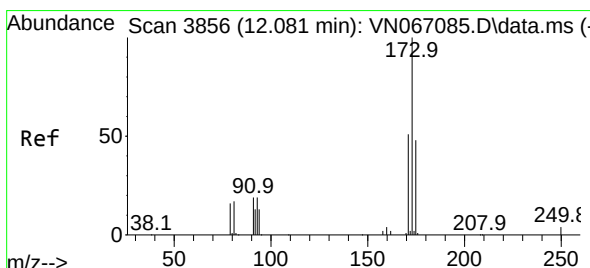
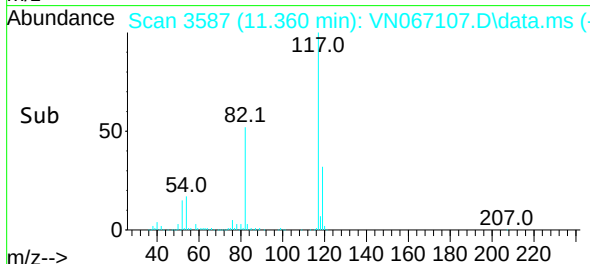
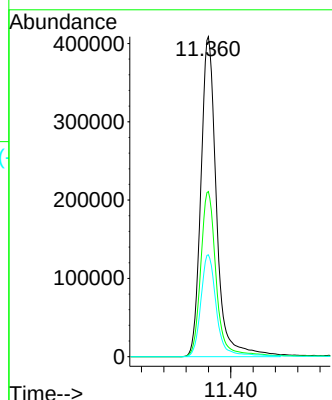
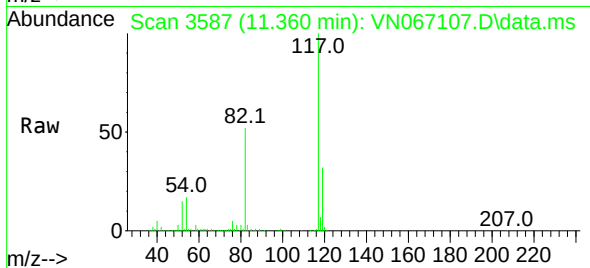




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

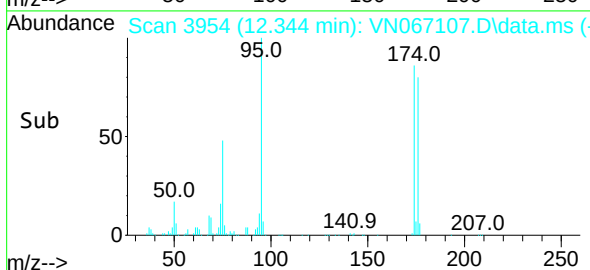
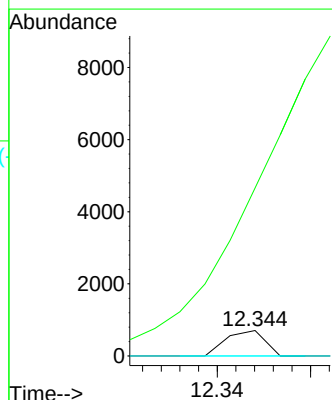
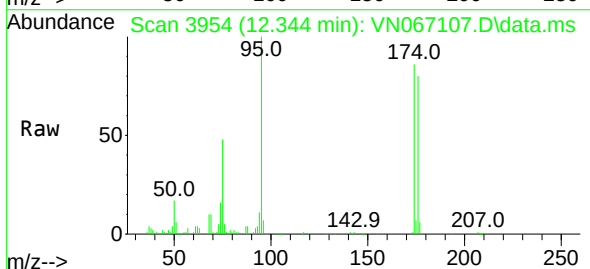
Instrument :
MSVOA_N
ClientSampleId :

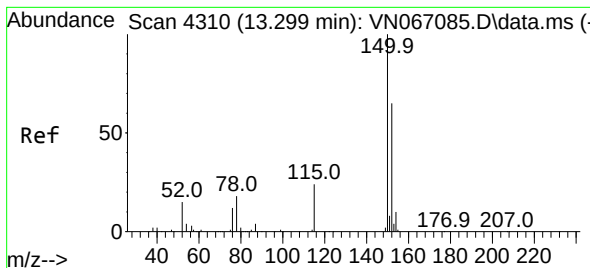
Tgt Ion:117 Resp: 795377
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.2
119 31.9 25.8 38.6



#71
Bromoform
Concen: 1.80 ug/l
RT: 12.344 min Scan# 3954
Delta R.T. 0.263 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Tgt Ion:173 Resp: 204
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

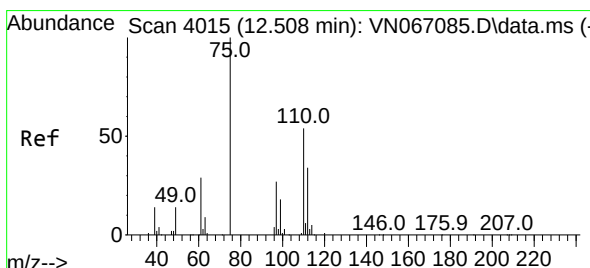
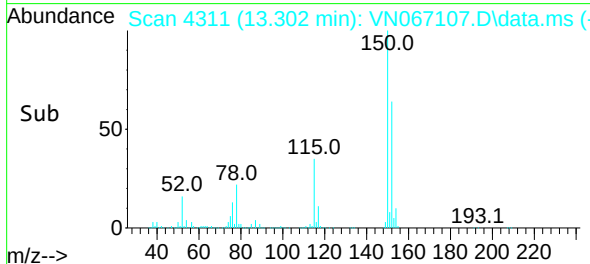
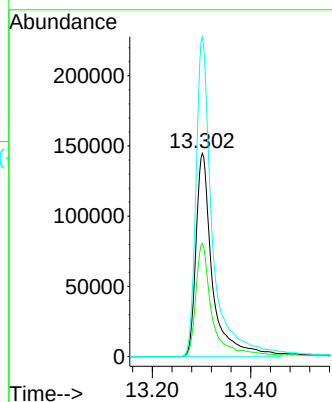
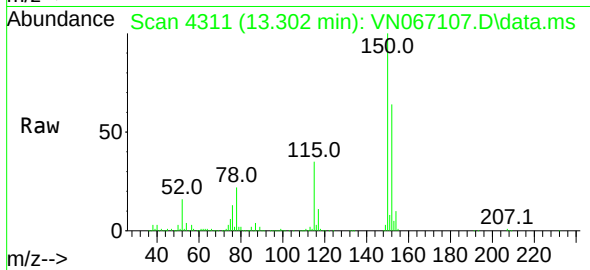




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.003 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

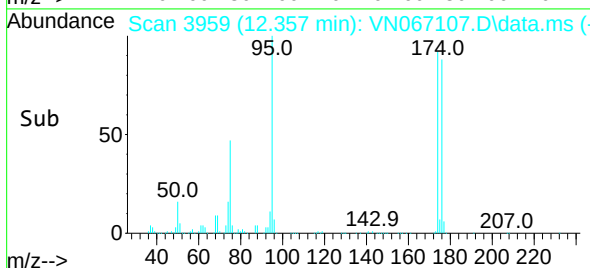
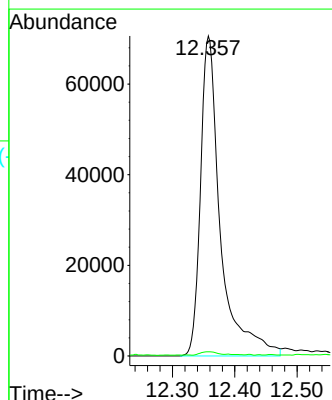
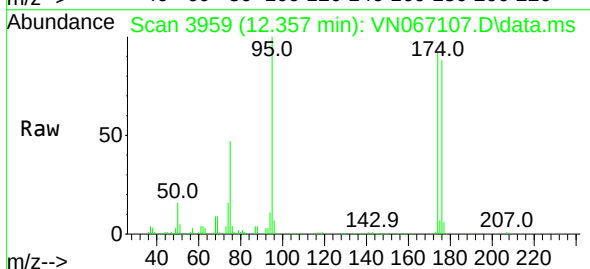
Instrument :
MSVOA_N
ClientSampled :

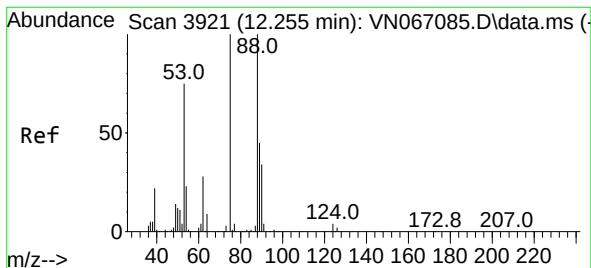
Tgt Ion:152 Resp: 338547
Ion Ratio Lower Upper
152 100
115 51.3 27.0 80.8
150 157.9 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 21.94 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.151 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Tgt Ion: 75 Resp: 156751
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

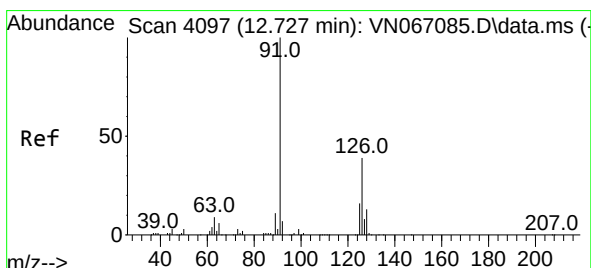
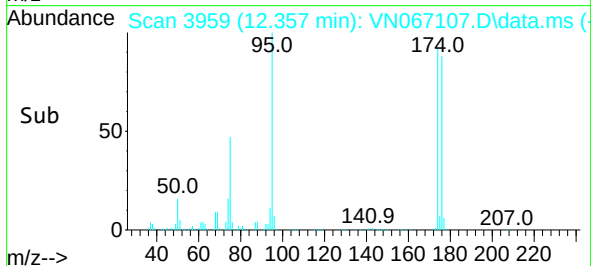
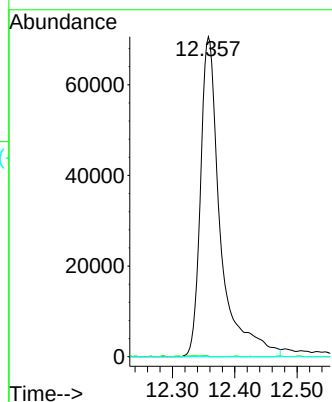
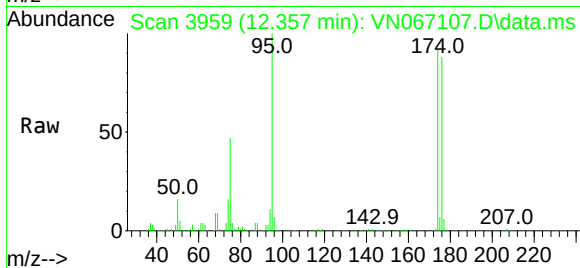




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.95 ug/l
 RT: 12.357 min Scan# 3959
 Delta R.T. 0.102 min
 Lab File: VN067107.D
 Acq: 17 May 2021 17:24

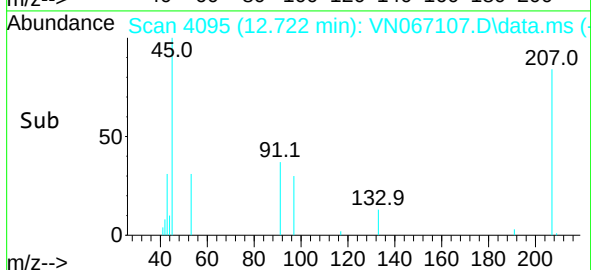
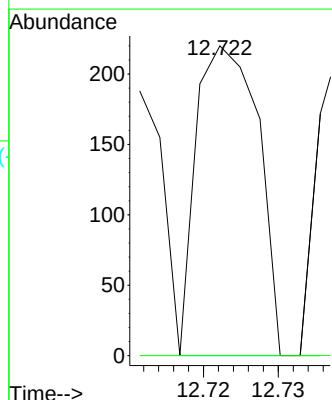
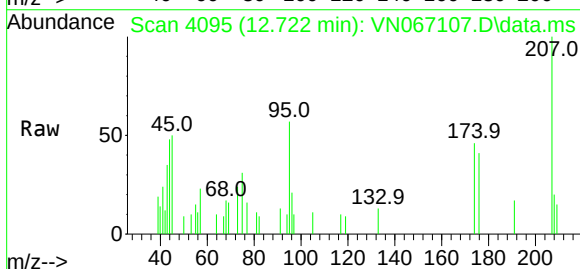
Instrument :
 MSVOA_N
 ClientSampleId :

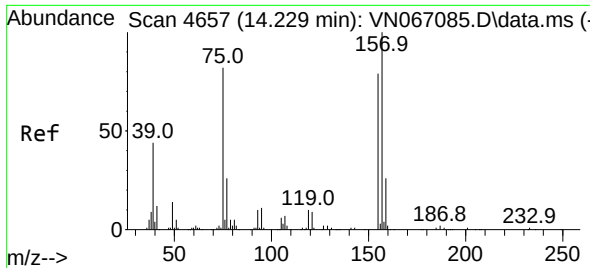
Tgt Ion: 75 Resp: 156751
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.3 99.5#
 89 0.0 39.5 59.3#



#82
 4-Chlorotoluene
 Concen: 1.19 ug/l
 RT: 12.722 min Scan# 4095
 Delta R.T. -0.005 min
 Lab File: VN067107.D
 Acq: 17 May 2021 17:24

Tgt Ion: 91 Resp: 126
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.7 53.1#

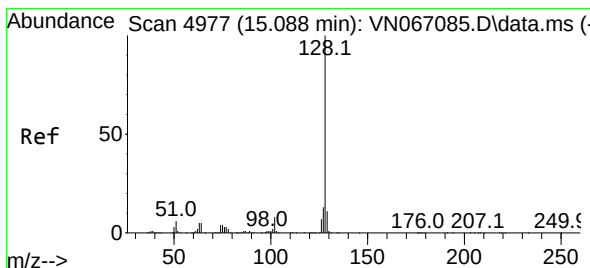
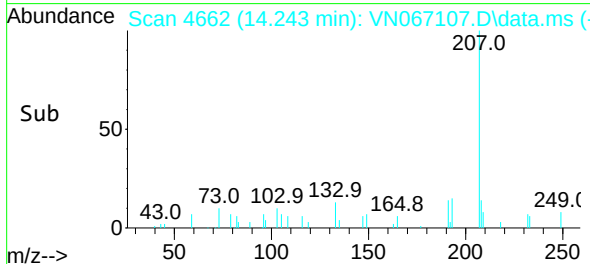
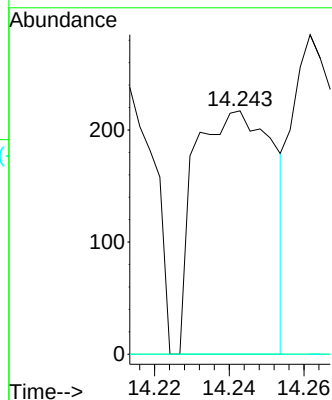
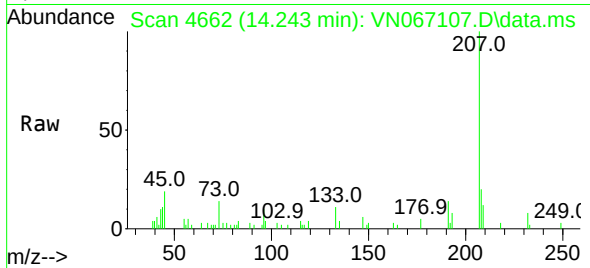




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.25 ug/l
RT: 14.243 min Scan# 4662
Delta R.T. 0.014 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 317
Ion Ratio Lower Upper
75 100
155 0.0 49.9 149.7#
157 0.0 63.8 191.4#



#95
Naphthalene
Concen: 4.12 ug/l
RT: 15.109 min Scan# 4985
Delta R.T. 0.021 min
Lab File: VN067107.D
Acq: 17 May 2021 17:24

Tgt Ion:128 Resp: 13307
Ion Ratio Lower Upper
128 100
127 6.5 10.2 15.2#
129 4.5 8.6 13.0#

