

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051921\
 Data File : VN067143.D
 Acq On : 19 May 2021 11:38
 Operator : JC/MD
 Sample : VN0519MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 01:52:59 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)

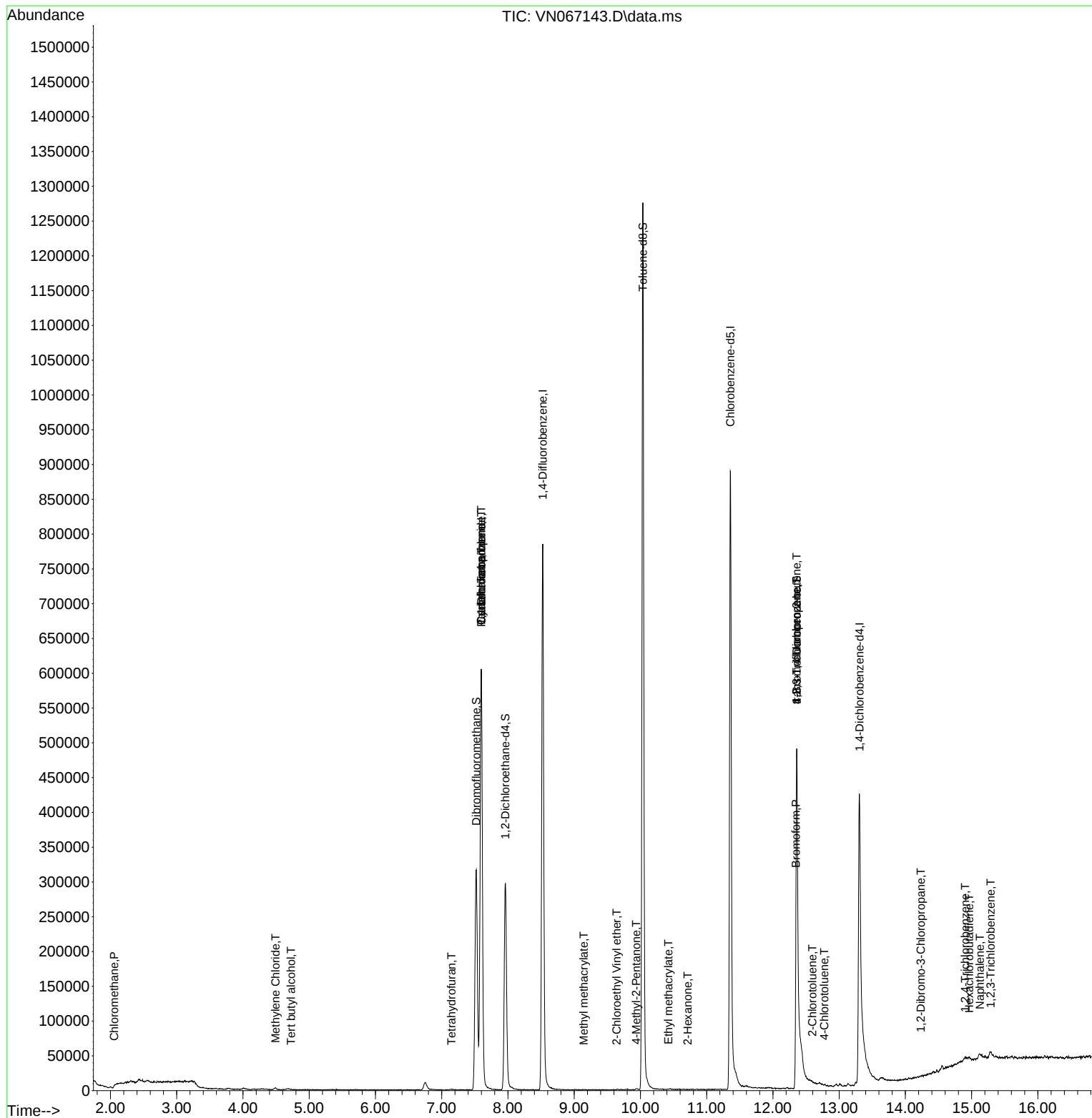
Internal Standards						
1) Pentafluorobenzene	7.600	168	580887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	799219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	658927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.307	152	228187	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	270094	43.04	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.08%		
35) Dibromofluoromethane	7.522	113	256659	48.91	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.82%		
50) Toluene-d8	10.038	98	969527	48.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.48%		
62) 4-Bromofluorobenzene	12.360	95	264123	39.64	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	79.28%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	1477	0.23	ug/l	98
11) Tert butyl alcohol	4.725	59	304	0.29	ug/l #	87
13) Acrolein	3.569	56	1108	Below Cal	#	67
20) Methylene Chloride	4.491	84	1947	0.38	ug/l	91
29) Tetrahydrofuran	7.146	42	612	0.32	ug/l #	40
31) Cyclohexane	7.597	56	8366	0.97	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	33358	4.58	ug/l #	48
38) Carbon Tetrachloride	7.597	117	47333	6.10	ug/l #	15
48) Methyl methacrylate	9.145	41	118	1.97	ug/l #	20
51) 4-Methyl-2-Pentanone	9.936	43	488	5.48	ug/l #	85
56) Ethyl methacrylate	10.424	69	26	1.94	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.641	63	158	4.70	ug/l #	45
59) 2-Hexanone	10.714	43	180	21.96	ug/l #	21
71) Bromoform	12.347	173	221	1.81	ug/l #	28
76) 1,2,3-Trichloropropane	12.360	75	121689	25.27	ug/l #	100
79) 2-Chlorotoluene	12.594	91	2805	0.22	ug/l #	38
81) trans-1,4-Dichloro-2-b...	12.360	75	121689	75.32	ug/l #	15
82) 4-Chlorotoluene	12.773	91	1603	1.31	ug/l #	58
92) 1,2-Dibromo-3-Chloropr...	14.232	75	312	0.37	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.903	180	2636	0.65	ug/l #	51
94) Hexachlorobutadiene	14.964	225	1099	0.39	ug/l #	70
95) Naphthalene	15.125	128	9050	4.13	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.289	180	6067	1.63	ug/l #	72

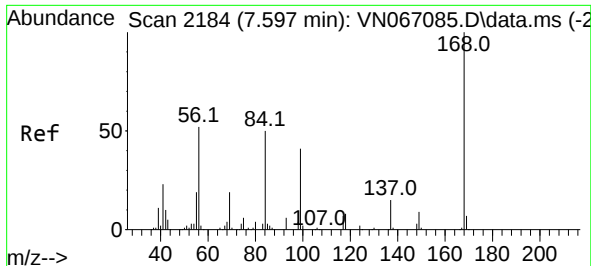
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 20 01:52:59 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

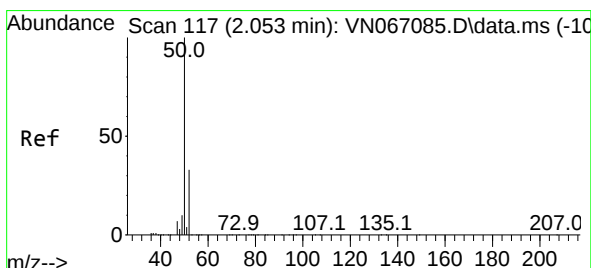
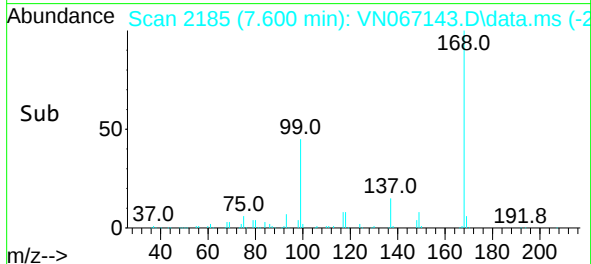
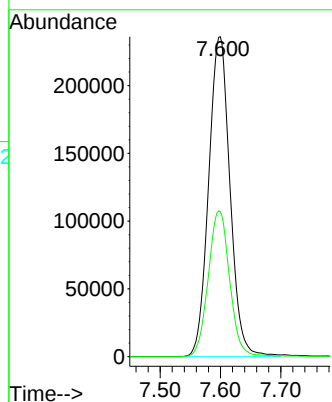
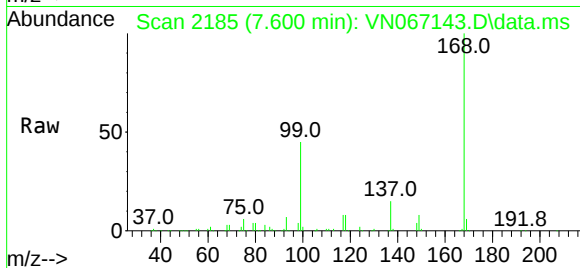




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

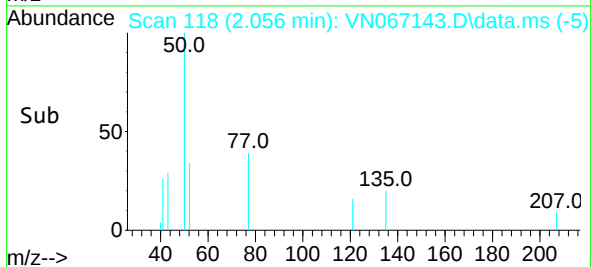
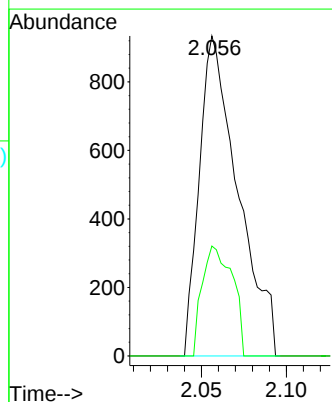
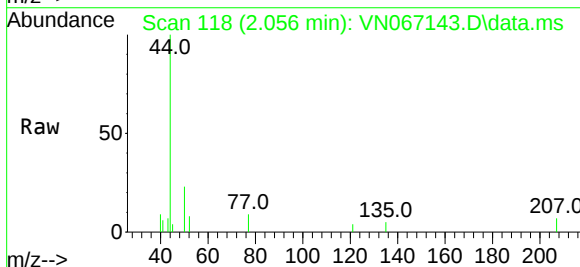
Instrument :
MSVOA_N
ClientSampled :

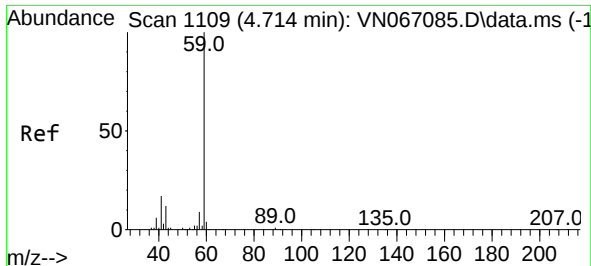
Tgt Ion:168 Resp: 580887
Ion Ratio Lower Upper
168 100
99 45.3 38.5 57.7



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.056 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion: 50 Resp: 1477
Ion Ratio Lower Upper
50 100
52 34.4 26.5 39.7



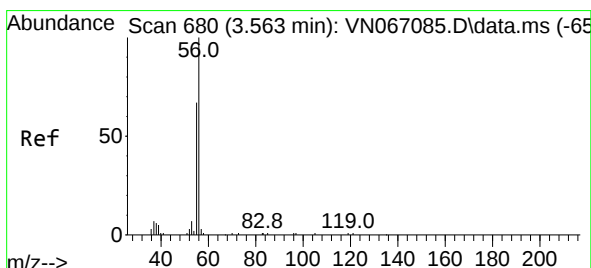
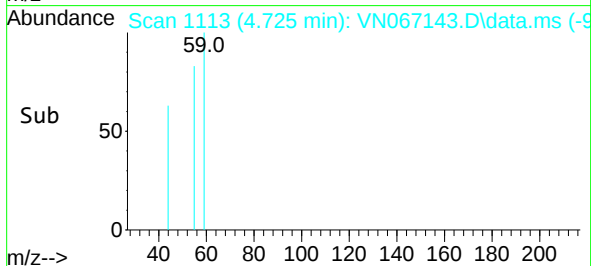
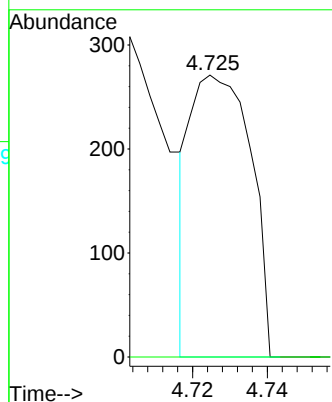
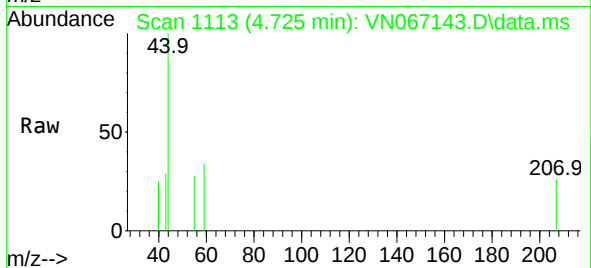


#11

Tert butyl alcohol
Concen: 0.29 ug/l
RT: 4.725 min Scan# 1113
Delta R.T. 0.011 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Instrument :
MSVOA_N
ClientSampled :

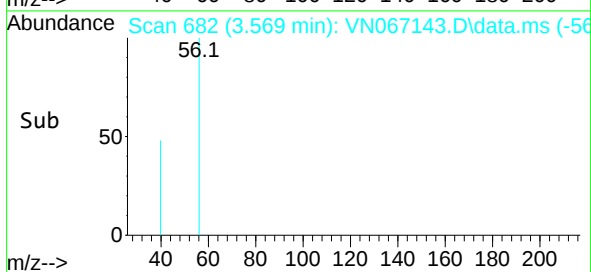
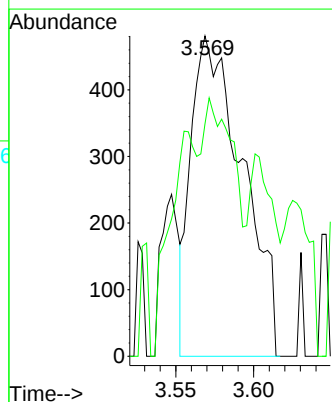
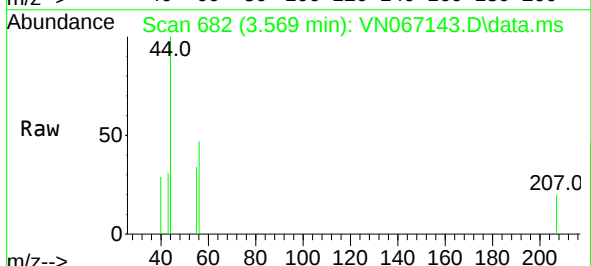
Tgt Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 0.0 3.5 5.3#

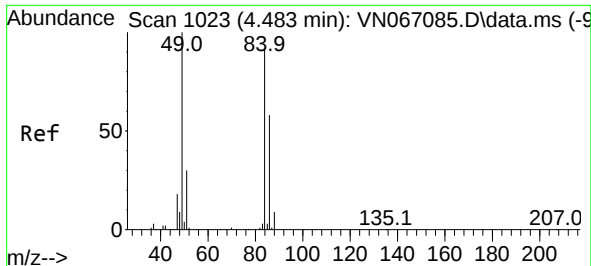


#13

Acrolein
Concen: Below Cal
RT: 3.569 min Scan# 682
Delta R.T. 0.006 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

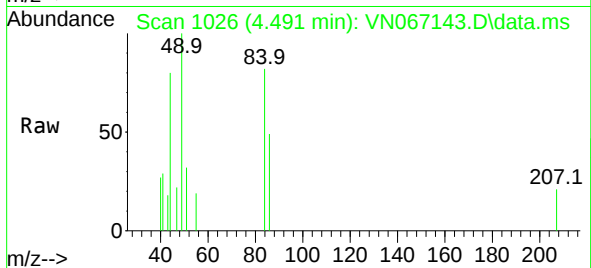
Tgt Ion: 56 Resp: 1108
Ion Ratio Lower Upper
56 100
55 40.7 53.8 80.6#





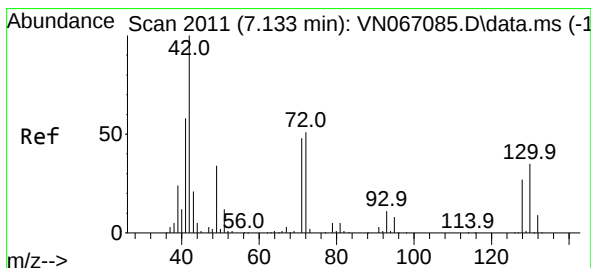
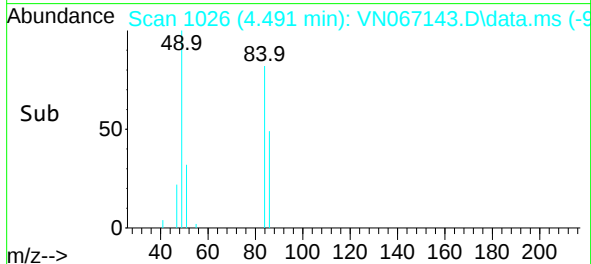
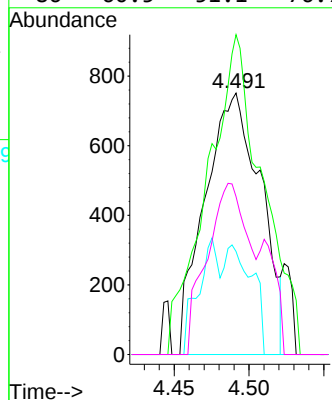
#20
Methylene Chloride
Concen: 0.38 ug/l
RT: 4.491 min Scan# 1026
Delta R.T. 0.008 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 1947

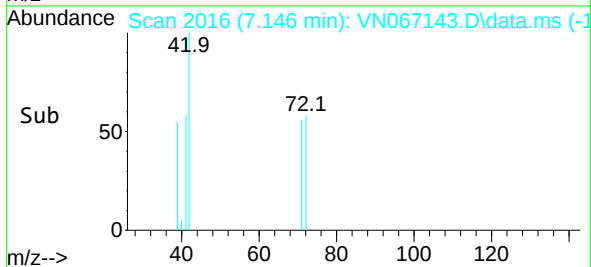
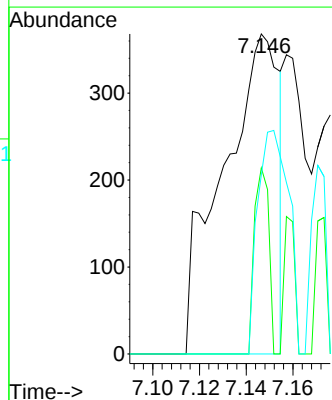
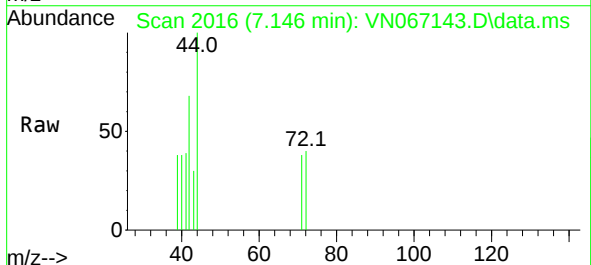
Ion	Ratio	Lower	Upper
84	100		
49	97.6	88.3	132.5
51	39.4	26.7	40.1
86	60.5	51.1	76.7

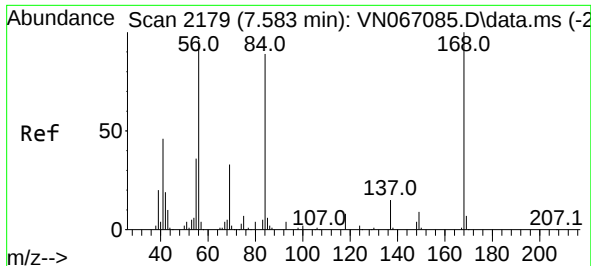


#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.146 min Scan# 2016
Delta R.T. 0.013 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion: 42 Resp: 612

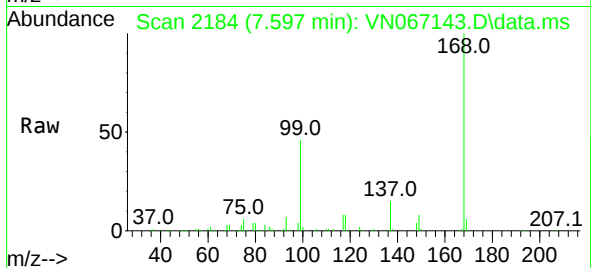
Ion	Ratio	Lower	Upper
42	100		
72	15.0	40.1	60.1#
71	0.0	37.9	56.9#



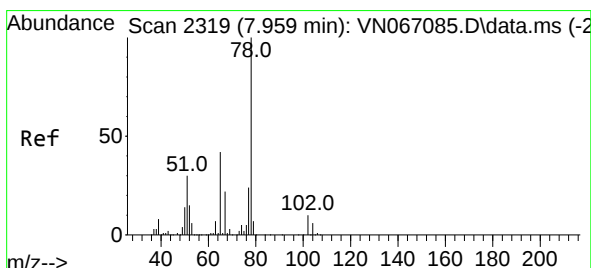
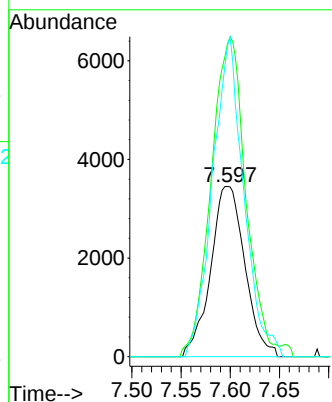
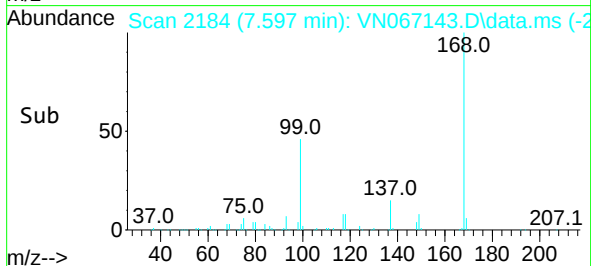


#31
Cyclohexane
Concen: 0.97 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.014 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

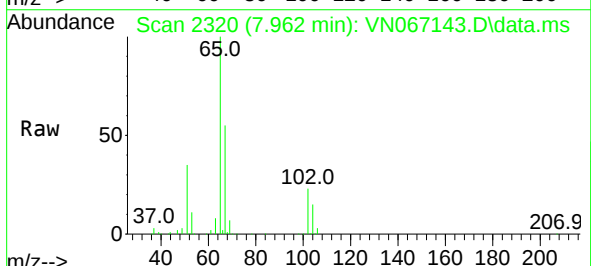
Instrument :
MSVOA_N
ClientSampleId :



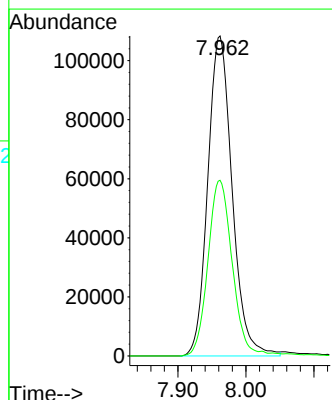
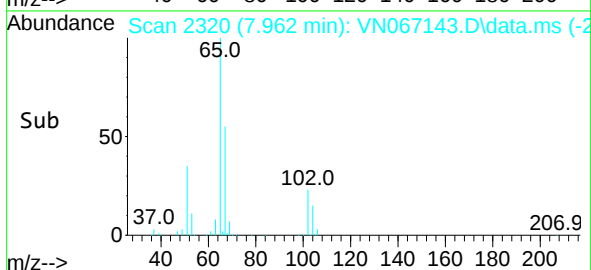
Tgt Ion: 56 Resp: 8366
Ion Ratio Lower Upper
56 100
69 183.6 28.0 42.0#
84 182.6 74.2 111.2#

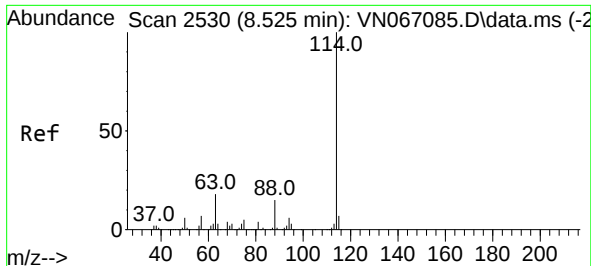


#33
1,2-Dichloroethane-d4
Concen: 43.04 ug/l
RT: 7.962 min Scan# 2320
Delta R.T. 0.003 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38



Tgt Ion: 65 Resp: 270094
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.4

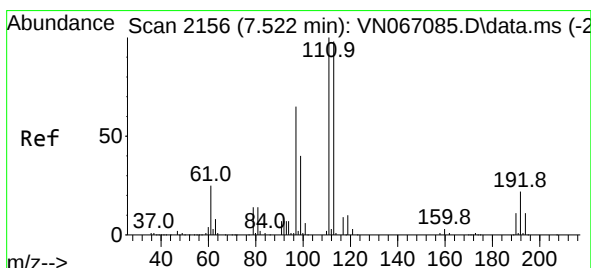
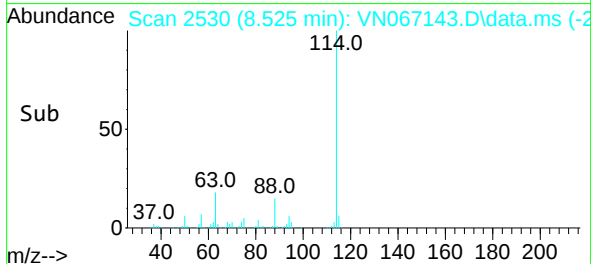
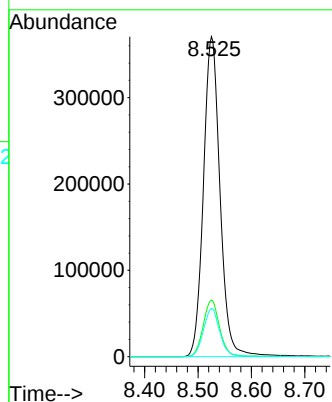
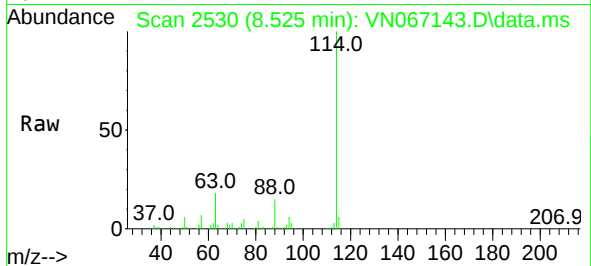




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. 0.000 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

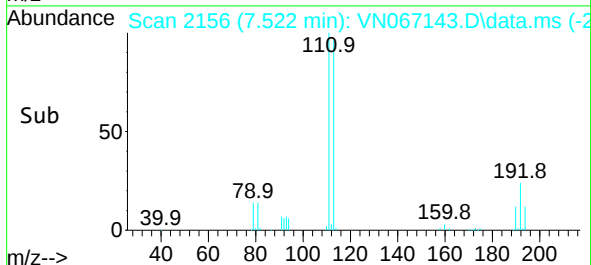
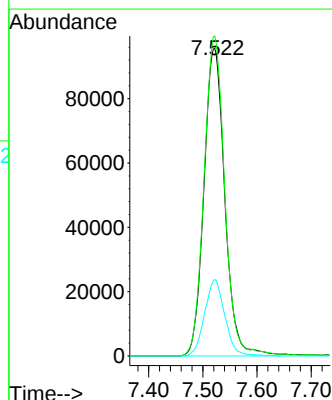
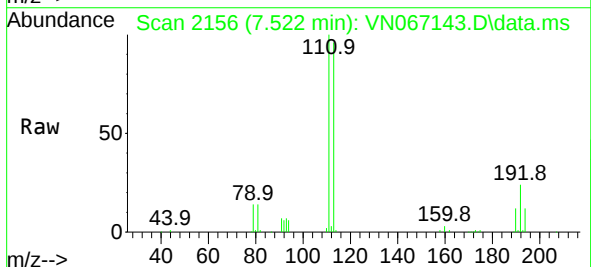
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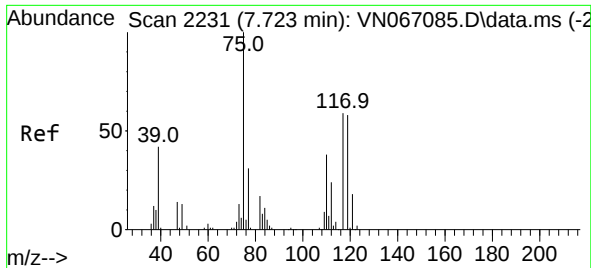
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.8
88	15.1	0.0	30.4



#35
Dibromofluoromethane
Concen: 48.91 ug/l
RT: 7.522 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.6	124.0
192	24.0	18.2	27.4

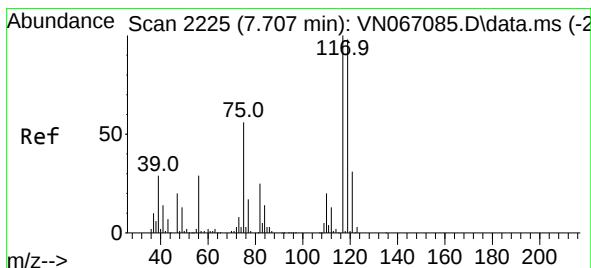
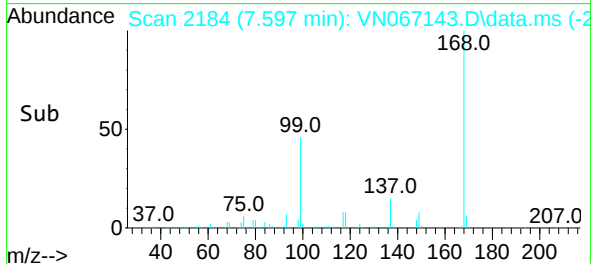
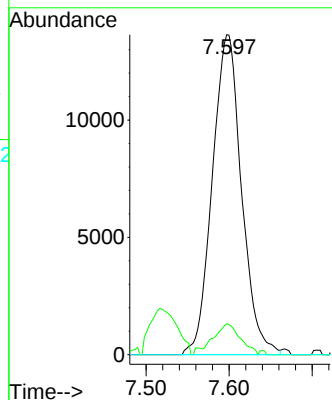
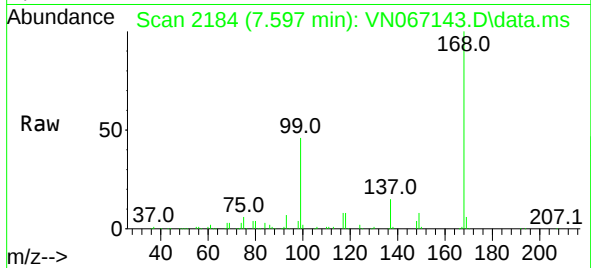




#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

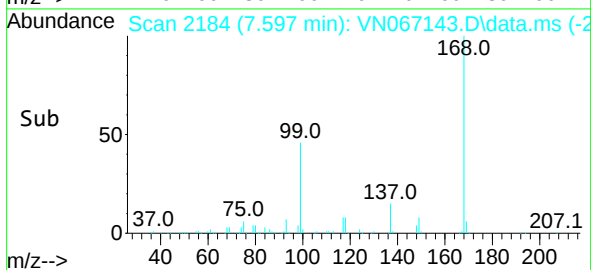
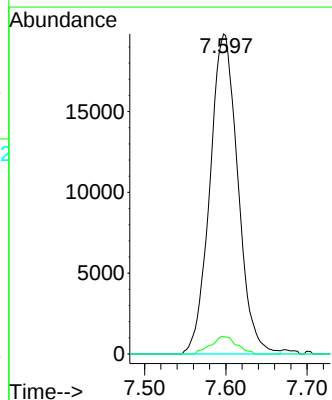
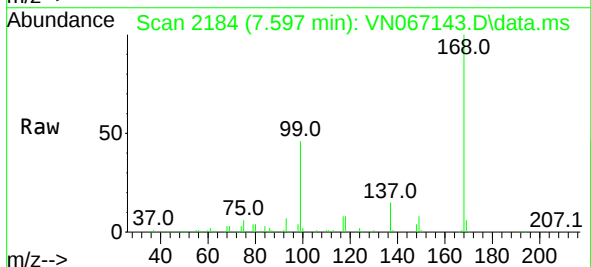
Instrument :
MSVOA_N
ClientSampleId :

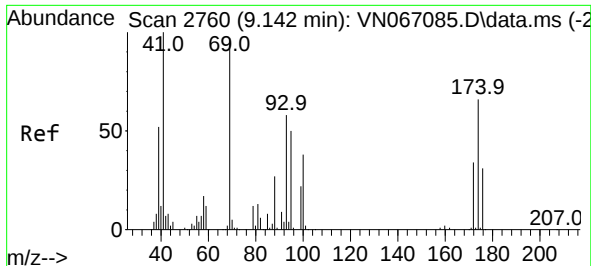
Tgt Ion: 75 Resp: 33358
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.110 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

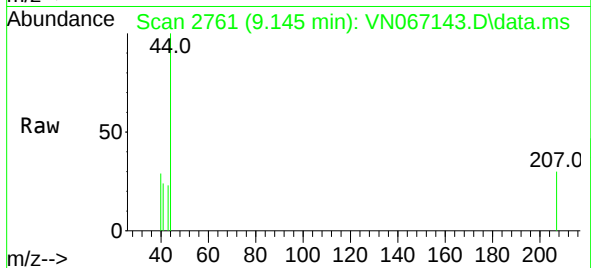
Tgt Ion: 117 Resp: 47333
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.7 37.1#



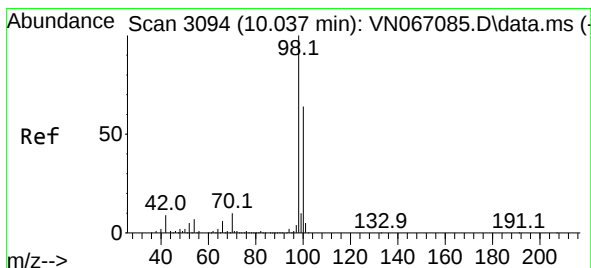
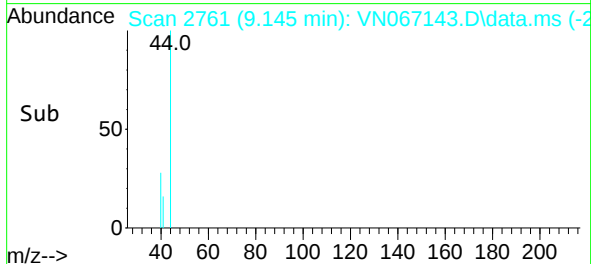
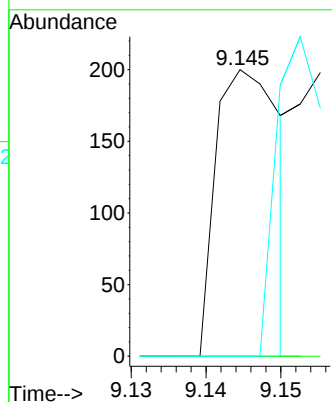


#48
Methyl methacrylate
Concen: 1.97 ug/l
RT: 9.145 min Scan# 2761
Delta R.T. 0.003 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Instrument :
MSVOA_N
ClientSampled :

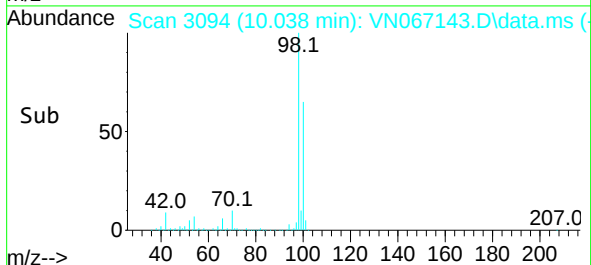
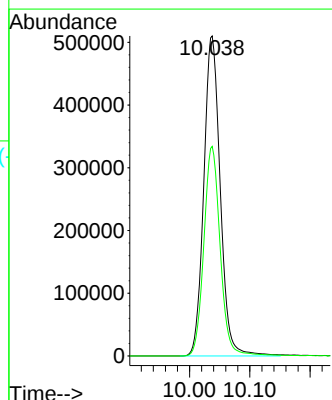
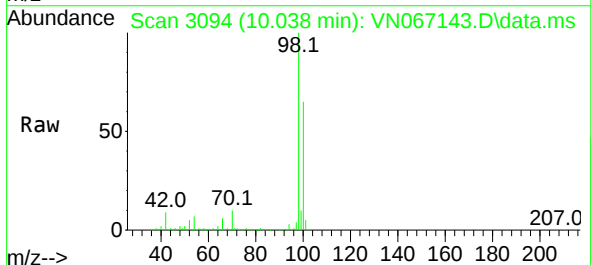


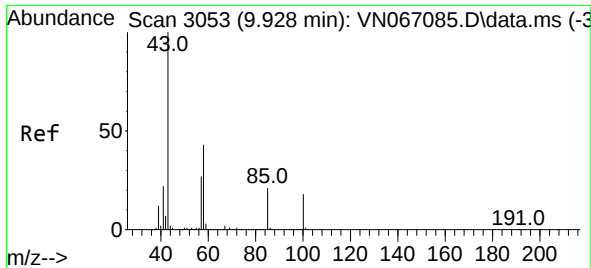
Tgt Ion: 41 Resp: 118
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 79.7 41.4 62.0#



#50
Toluene-d8
Concen: 48.74 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.001 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion: 98 Resp: 969527
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8

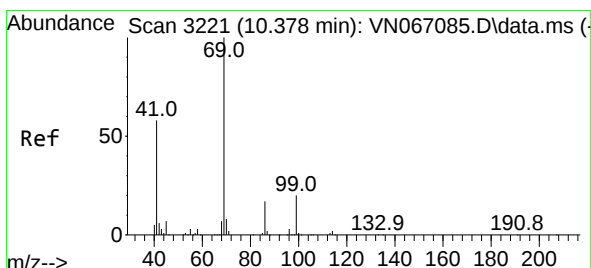
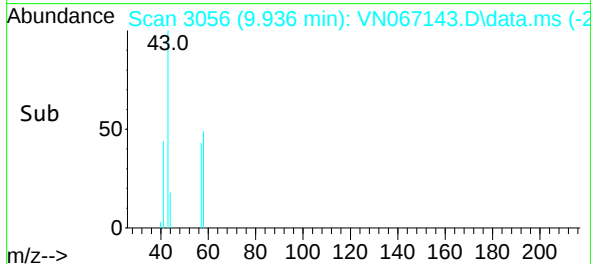
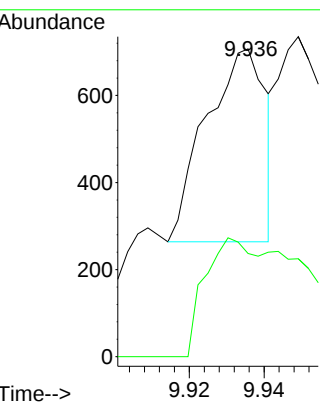
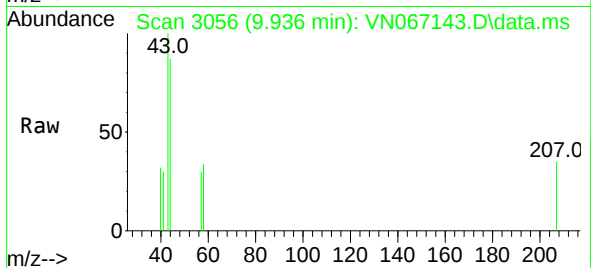




#51
4-Methyl-2-Pentanone
Concen: 5.48 ug/l
RT: 9.936 min Scan# 3056
Delta R.T. 0.008 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

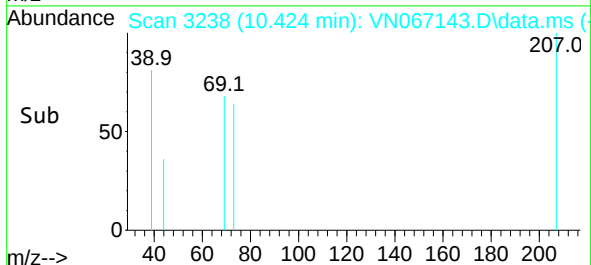
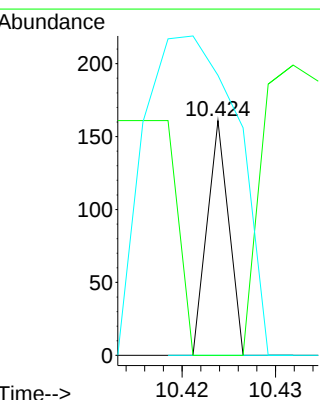
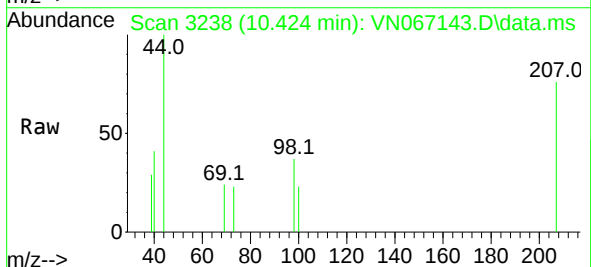
Instrument :
MSVOA_N
ClientSampled :

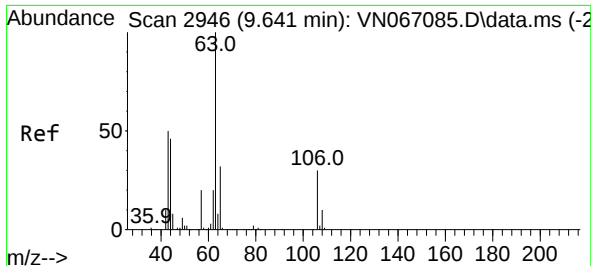
Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
58 52.7 34.5 51.7#



#56
Ethyl methacrylate
Concen: 1.94 ug/l
RT: 10.424 min Scan# 3238
Delta R.T. 0.046 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion: 69 Resp: 26
Ion Ratio Lower Upper
69 100
41 796.2 45.5 68.3#
39 584.6 22.9 34.3#

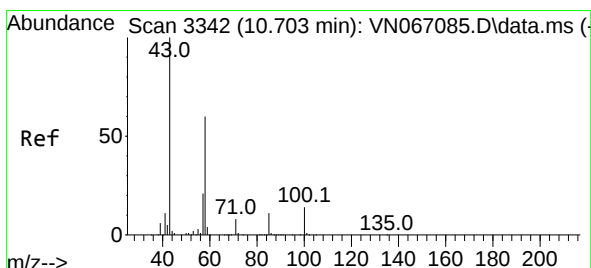
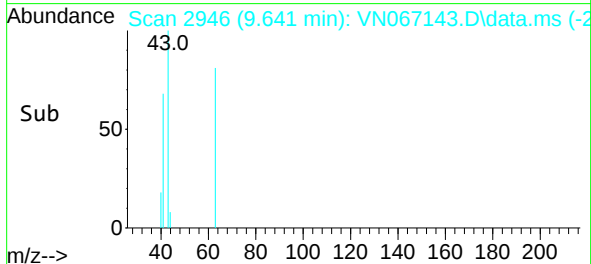
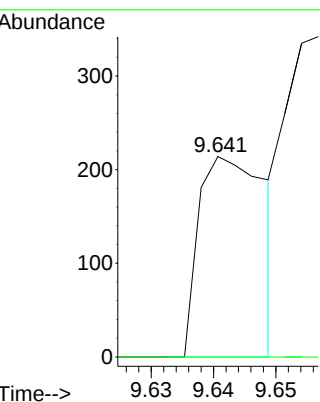
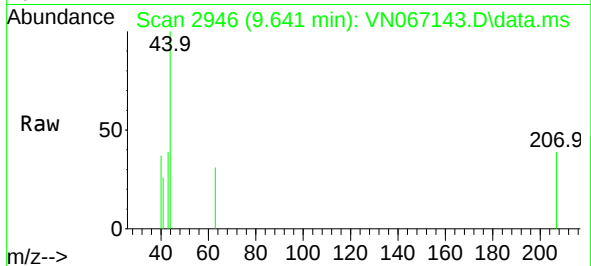




#58
2-Chloroethyl Vinyl ether
Concen: 4.70 ug/l
RT: 9.641 min Scan# 2946
Delta R.T. -0.000 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

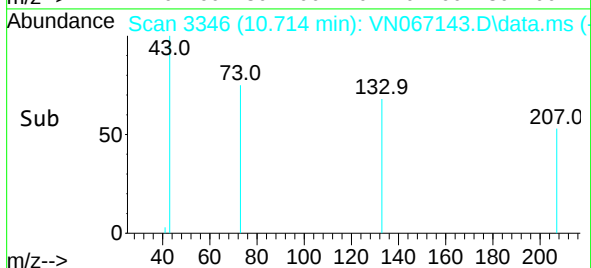
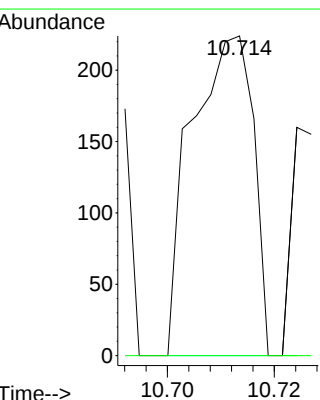
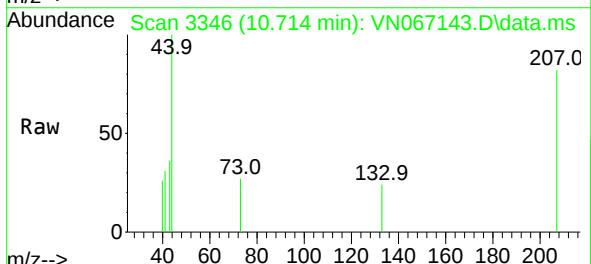
Instrument :
MSVOA_N
ClientSampled :

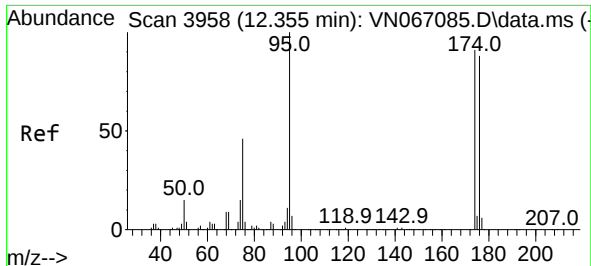
Tgt Ion: 63 Resp: 158
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 21.96 ug/l
RT: 10.714 min Scan# 3346
Delta R.T. 0.011 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#

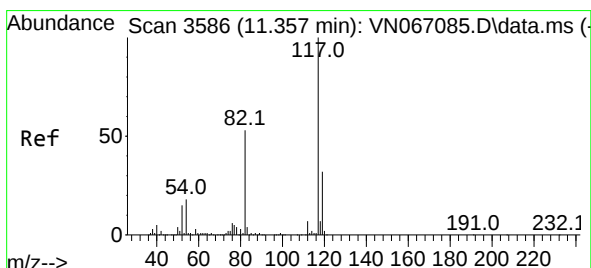
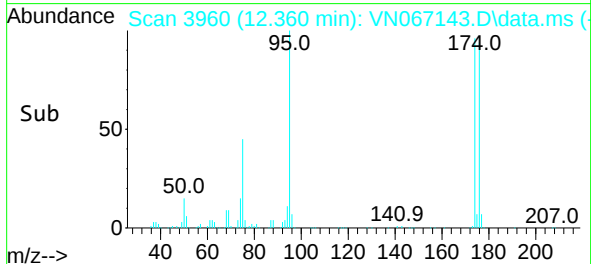
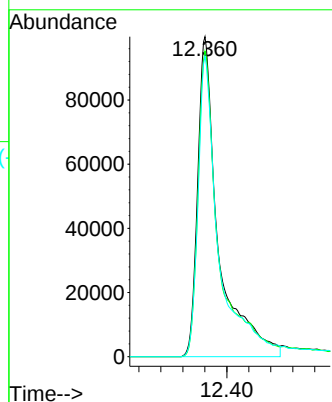
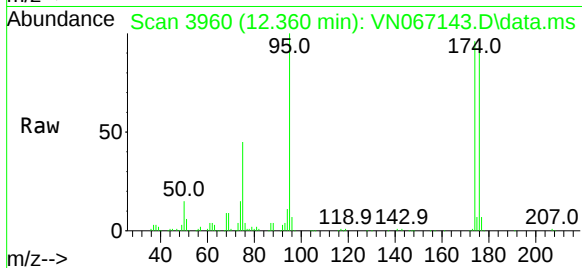




#62
4-Bromofluorobenzene
Concen: 39.64 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.005 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

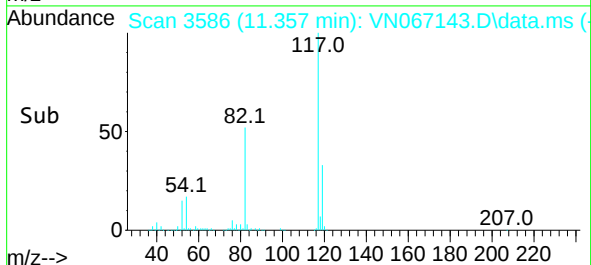
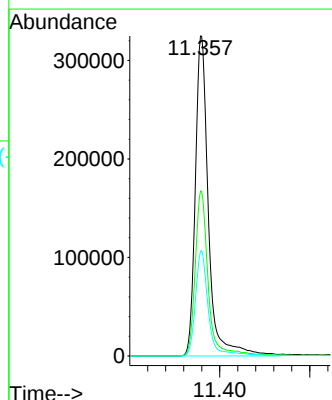
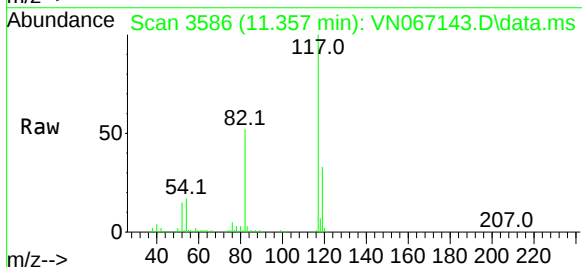
Instrument :
MSVOA_N
ClientSampleId :

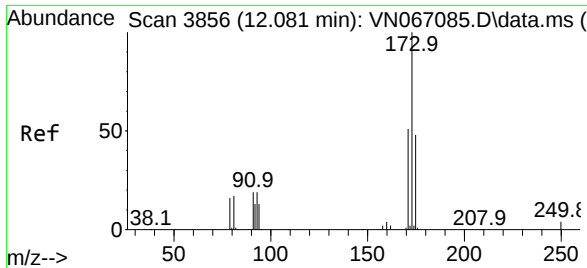
Tgt Ion: 95 Resp: 264123
Ion Ratio Lower Upper
95 100
174 94.4 0.0 182.8
176 91.7 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. 0.000 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion: 117 Resp: 658927
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.2
119 32.7 25.8 38.6

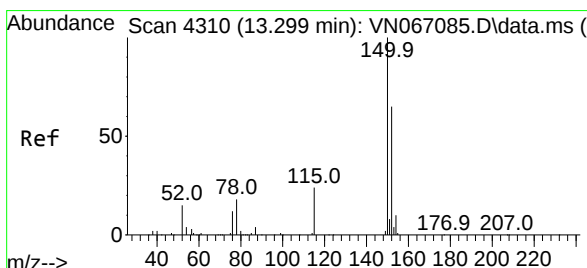
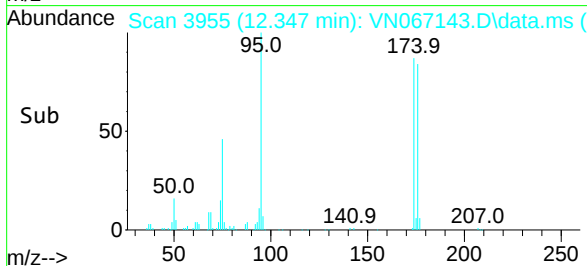
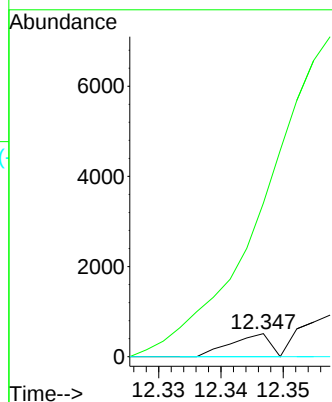
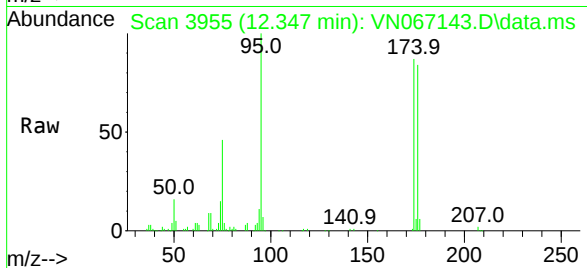




#71
Bromoform
Concen: 1.81 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. 0.266 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

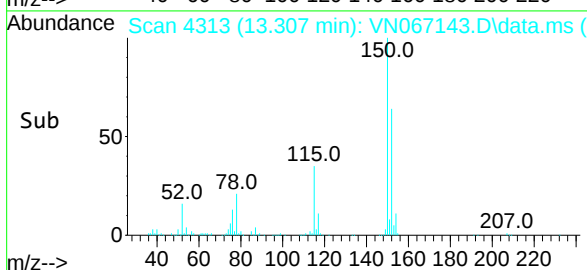
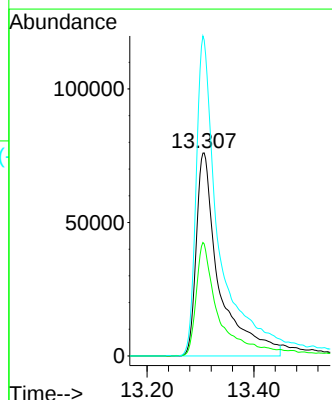
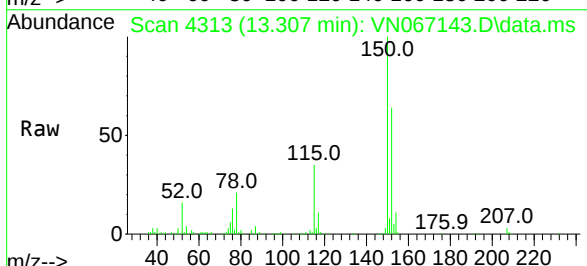
Instrument :
MSVOA_N
ClientSampleId :

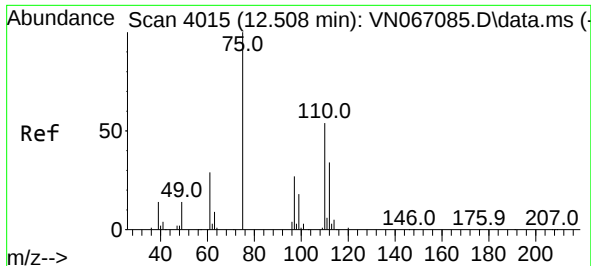
Tgt Ion:173 Resp: 221
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.307 min Scan# 4313
Delta R.T. 0.008 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion:152 Resp: 228187
Ion Ratio Lower Upper
152 100
115 52.3 27.0 80.8
150 162.6 0.0 350.2

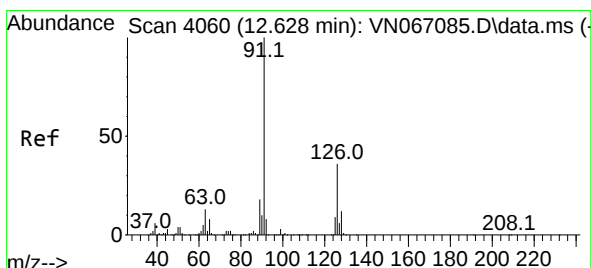
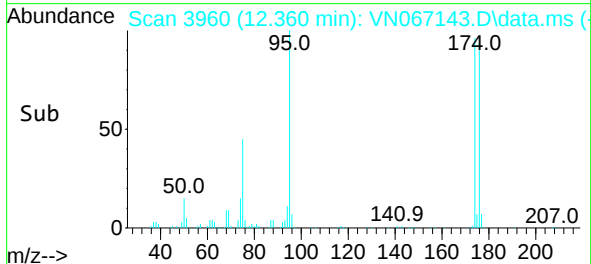
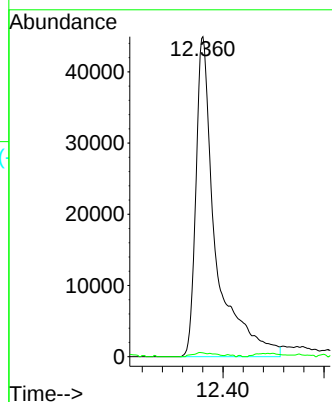
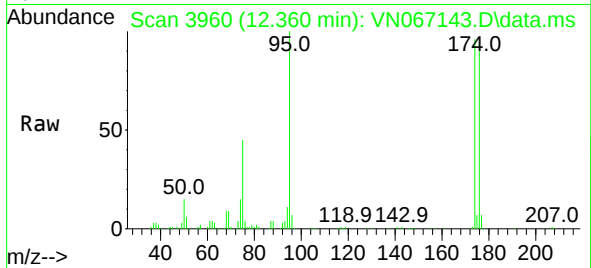




#76
1,2,3-Trichloropropane
Concen: 25.27 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. -0.148 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

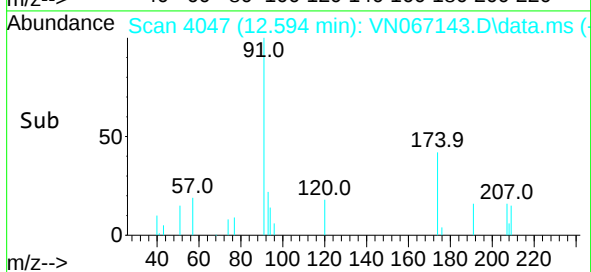
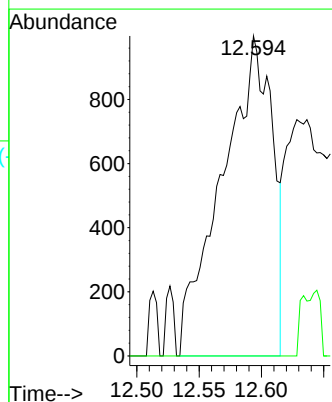
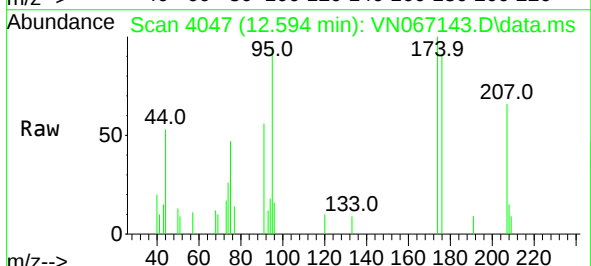
Instrument :
MSVOA_N
ClientSampled :

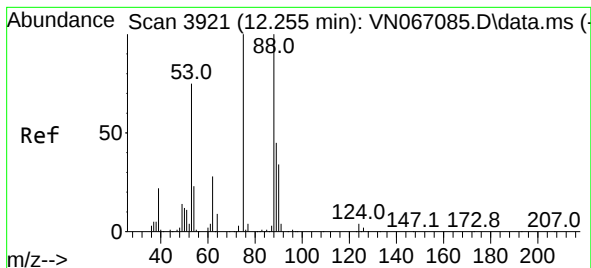
Tgt Ion: 75 Resp: 121689
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.22 ug/l
RT: 12.594 min Scan# 4047
Delta R.T. -0.034 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

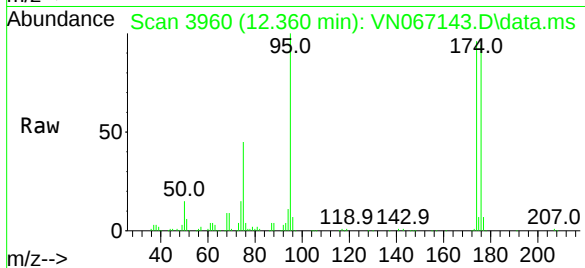
Tgt Ion: 91 Resp: 2805
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#



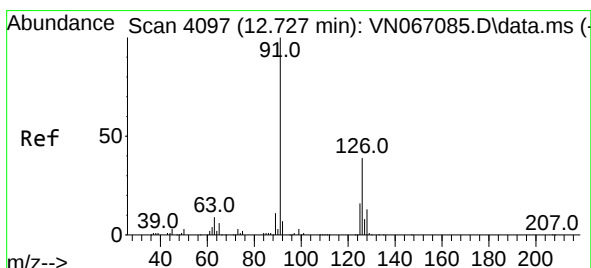
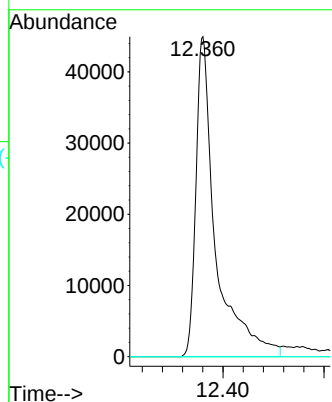
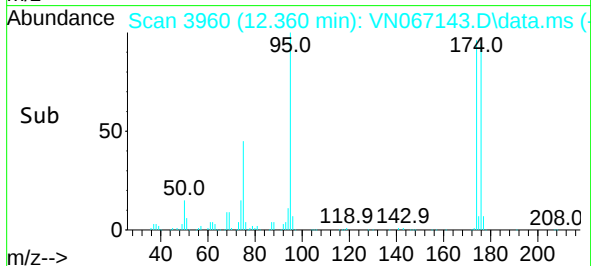


#81
trans-1,4-Dichloro-2-butene
Concen: 75.32 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.105 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

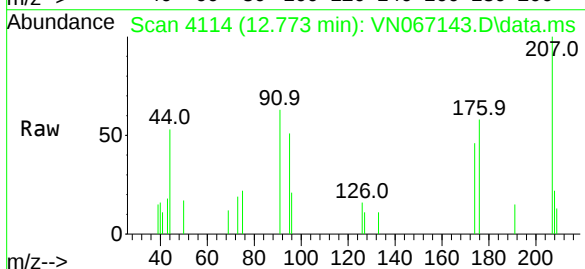
Instrument :
MSVOA_N
ClientSampleId :



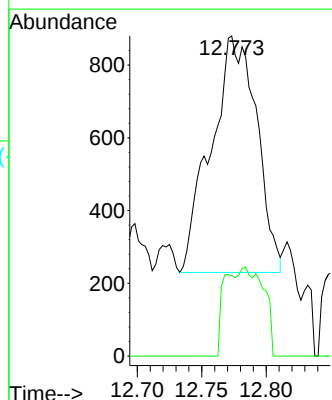
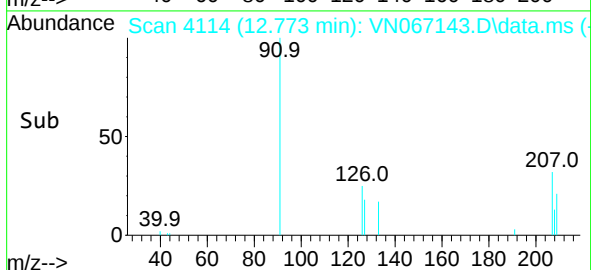
Tgt Ion: 75 Resp: 121689
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

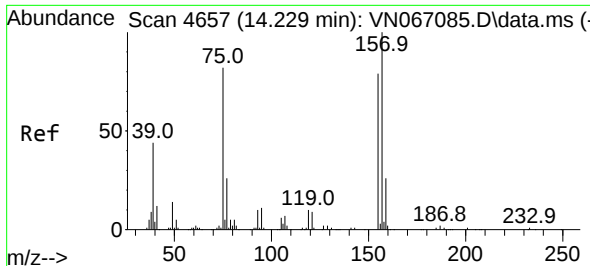


#82
4-Chlorotoluene
Concen: 1.31 ug/l
RT: 12.773 min Scan# 4114
Delta R.T. 0.046 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38



Tgt Ion: 91 Resp: 1603
Ion Ratio Lower Upper
91 100
126 10.8 17.7 53.1#

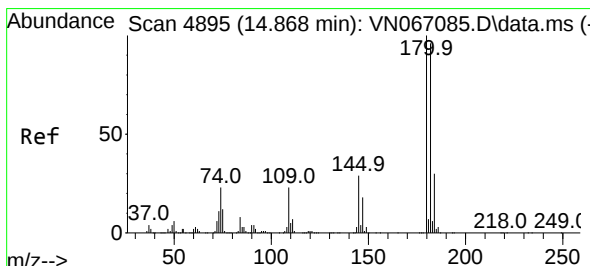
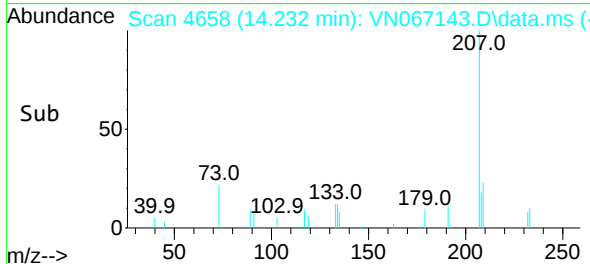
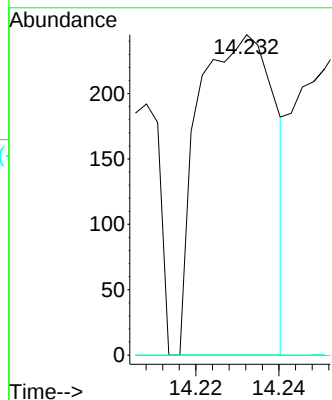
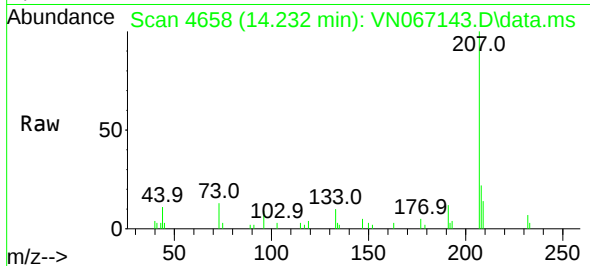




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.37 ug/l
RT: 14.232 min Scan# 4658
Delta R.T. 0.003 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

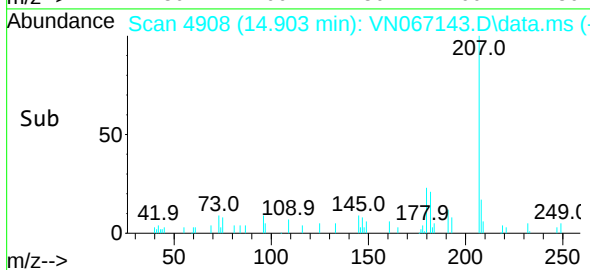
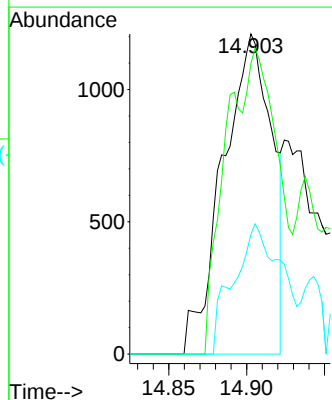
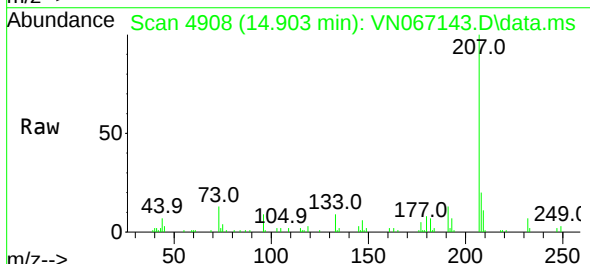
Instrument :
MSVOA_N
ClientSampled :

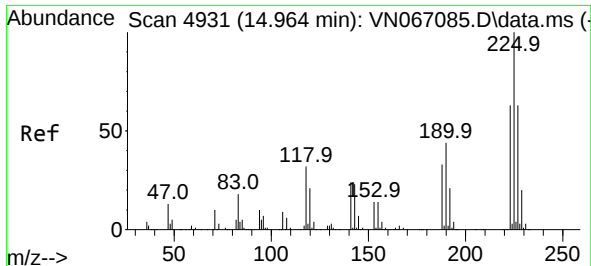
Tgt Ion: 75 Resp: 312
Ion Ratio Lower Upper
75 100
155 0.0 49.9 149.7#
157 0.0 63.8 191.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.65 ug/l
RT: 14.903 min Scan# 4908
Delta R.T. 0.035 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

Tgt Ion: 180 Resp: 2636
Ion Ratio Lower Upper
180 100
182 39.9 47.3 141.8#
145 39.8 14.0 42.0

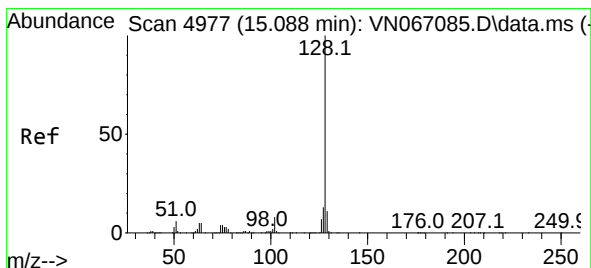
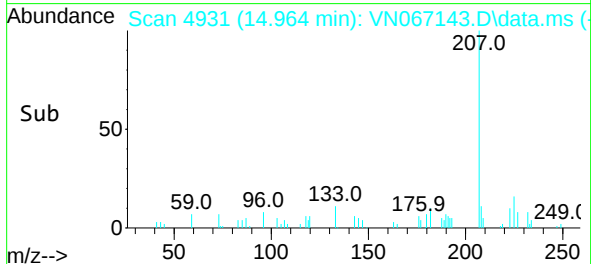
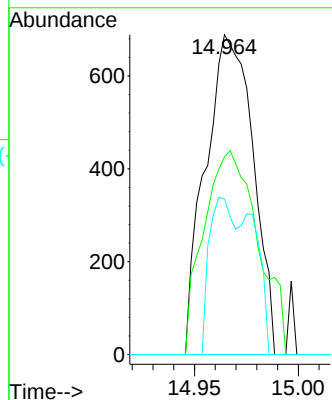
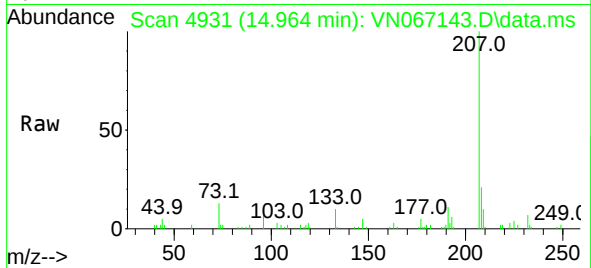




#94
Hexachlorobutadiene
Concen: 0.39 ug/l
RT: 14.964 min Scan# 4931
Delta R.T. 0.000 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

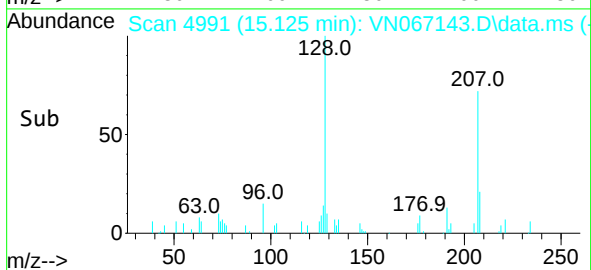
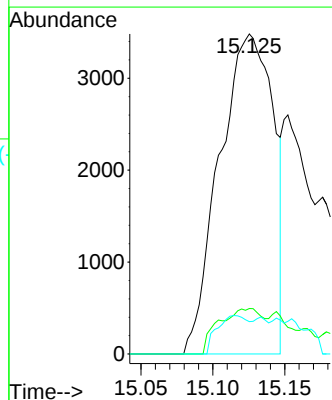
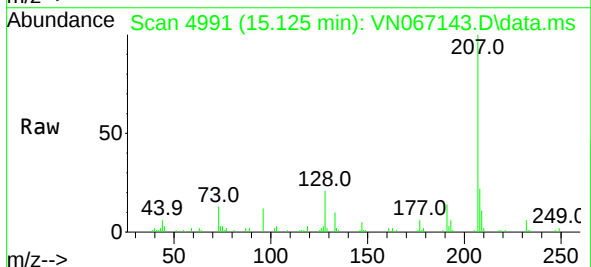
Instrument :
MSVOA_N
ClientSampled :

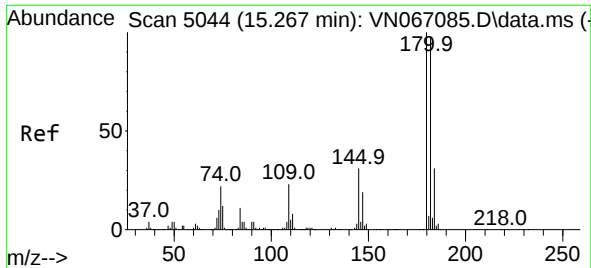
Tgt Ion:225 Resp: 1099
Ion Ratio Lower Upper
225 100
223 72.2 31.7 95.1
227 26.0 31.7 95.1#



#95
Naphthalene
Concen: 4.13 ug/l
RT: 15.125 min Scan# 4991
Delta R.T. 0.037 min
Lab File: VN067143.D
Acq: 19 May 2021 11:38

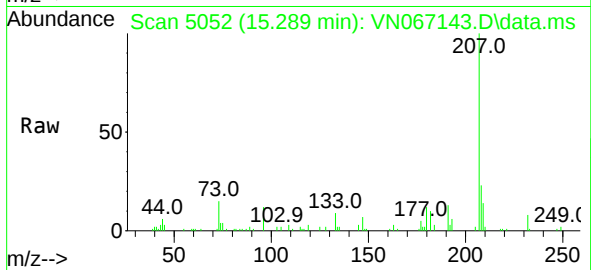
Tgt Ion:128 Resp: 9050
Ion Ratio Lower Upper
128 100
127 11.4 10.2 15.2
129 6.8 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.63 ug/l
 RT: 15.289 min Scan# 5052
 Delta R.T. 0.022 min
 Lab File: VN067143.D
 Acq: 19 May 2021 11:38

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	6067
Ion	Ratio	Lower	Upper
180	100		
182	79.0	48.5	145.6
145	0.0	15.4	46.2#

