

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051921\
 Data File : VN067144.D
 Acq On : 19 May 2021 12:02
 Operator : JC/MD
 Sample : VN0519WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 01:53:17 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)

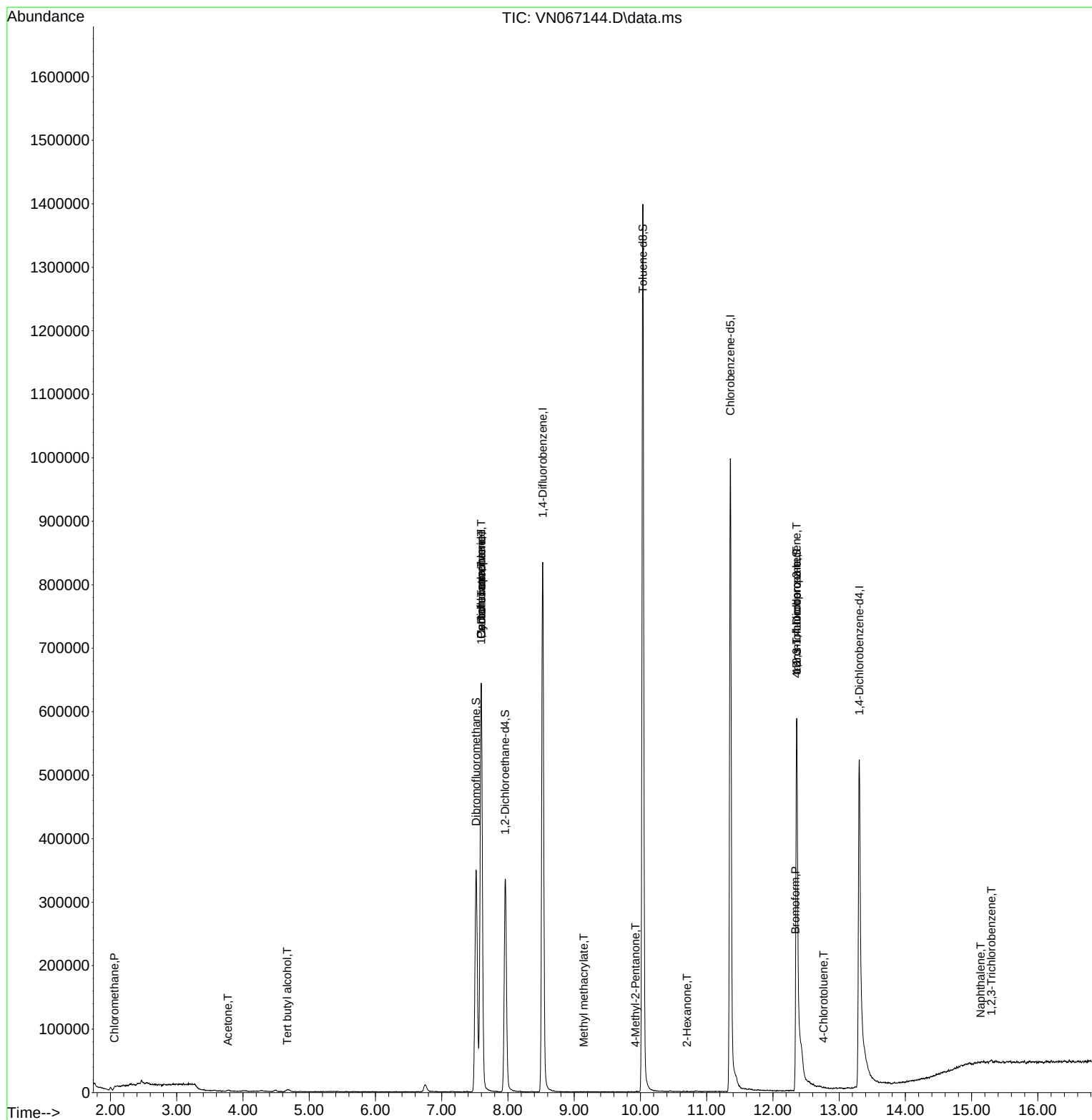
Internal Standards						
1) Pentafluorobenzene	7.597	168	625578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	863307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	702832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	282295	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	303824	44.96	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.92%		
35) Dibromofluoromethane	7.519	113	283779	50.06	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.12%		
50) Toluene-d8	10.037	98	1068659	49.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.48%		
62) 4-Bromofluorobenzene	12.357	95	320065	44.47	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.94%		
Target Compounds						
						Qvalue
3) Chloromethane	2.059	50	1620	0.23	ug/l	99
11) Tert butyl alcohol	4.668	59	1270	1.13	ug/l #	87
13) Acrolein	3.571	56	1017	Below Cal	#	38
16) Acetone	3.772	43	575	0.27	ug/l	89
31) Cyclohexane	7.597	56	8579	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.599	75	35881	4.56	ug/l #	49
38) Carbon Tetrachloride	7.597	117	50672	6.04	ug/l #	16
48) Methyl methacrylate	9.144	41	128	1.97	ug/l #	18
51) 4-Methyl-2-Pentanone	9.927	43	339	5.45	ug/l #	33
59) 2-Hexanone	10.703	43	54	21.93	ug/l #	21
71) Bromoform	12.341	173	82	1.78	ug/l #	28
76) 1,2,3-Trichloropropane	12.360	75	122833	20.62	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.360	75	122833	62.23	ug/l #	15
82) 4-Chlorotoluene	12.765	91	344	1.20	ug/l	91
95) Naphthalene	15.136	128	1773	3.39	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.297	180	1058	0.23	ug/l	97

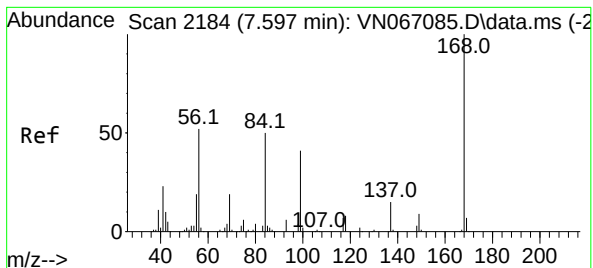
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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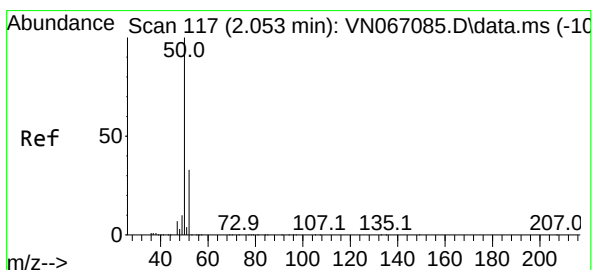
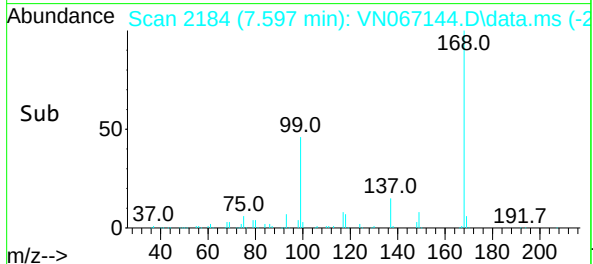
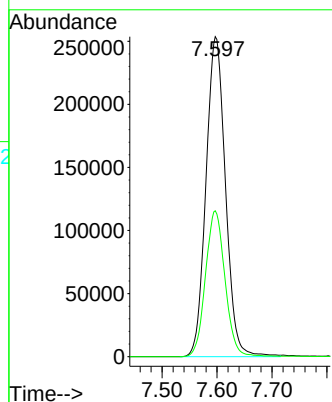
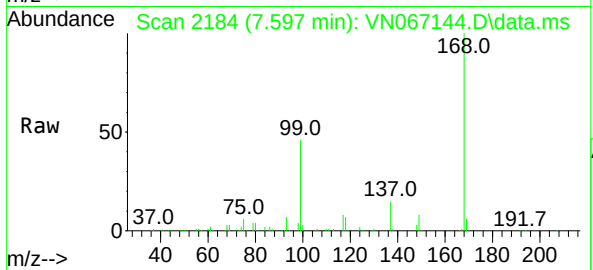




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

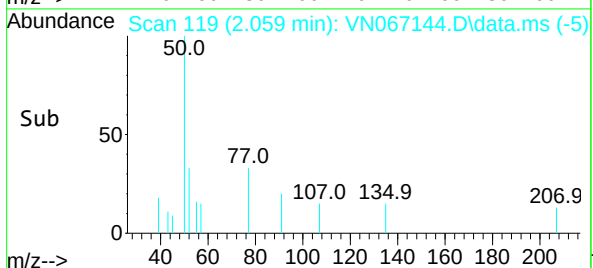
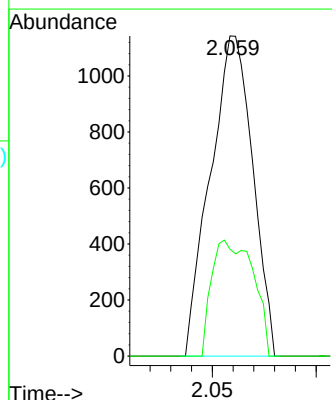
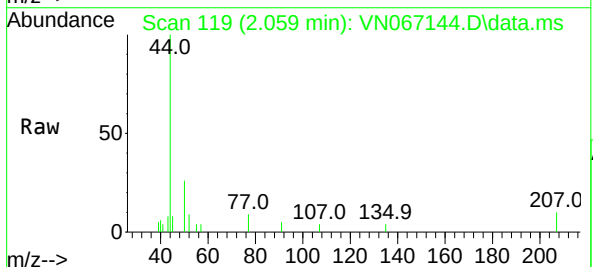
Instrument :
MSVOA_N
ClientSampled :

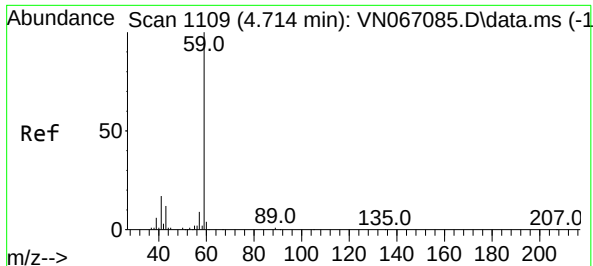
Tgt Ion:168 Resp: 625578
Ion Ratio Lower Upper
168 100
99 45.6 38.5 57.7



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.059 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Tgt Ion: 50 Resp: 1620
Ion Ratio Lower Upper
50 100
52 33.4 26.5 39.7

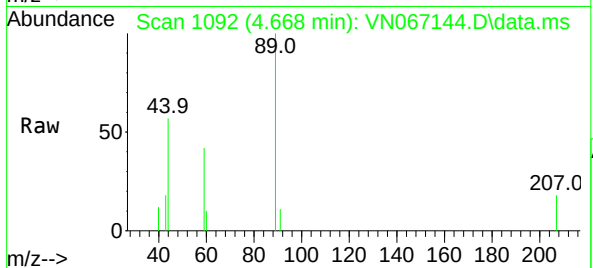




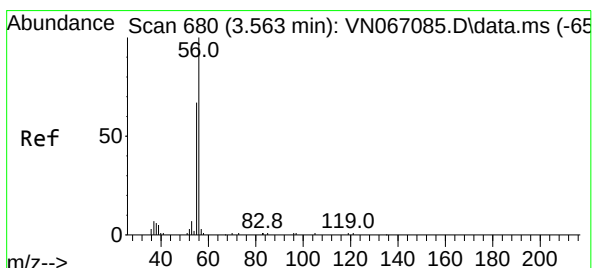
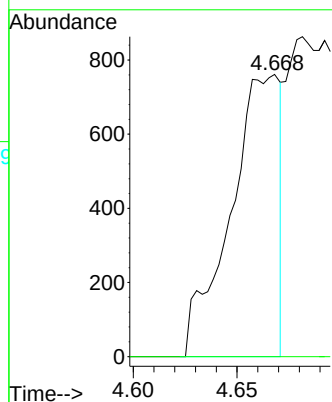
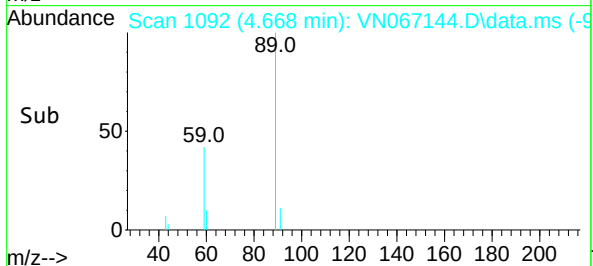
#11

Tert butyl alcohol
Concen: 1.13 ug/l
RT: 4.668 min Scan# 1092
Delta R.T. -0.046 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Instrument :
MSVOA_N
ClientSampled :

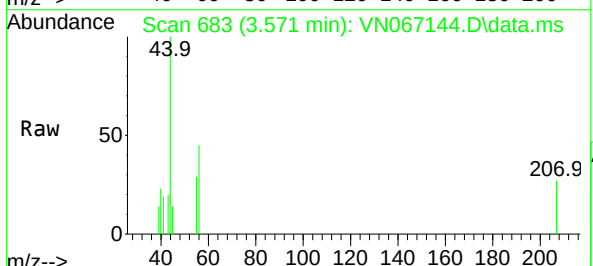


Tgt Ion: 59 Resp: 1270
Ion Ratio Lower Upper
59 100
57 0.0 3.5 5.3#

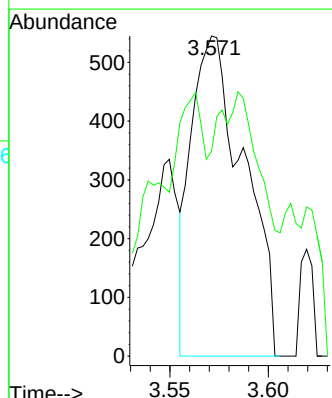
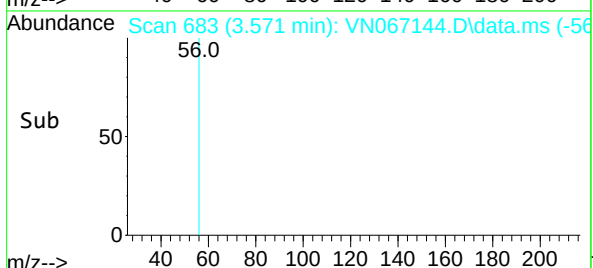


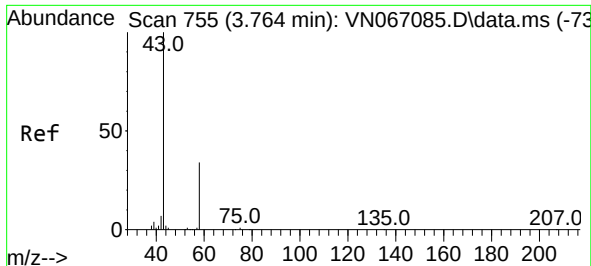
#13

Acrolein
Concen: Below Cal
RT: 3.571 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02



Tgt Ion: 56 Resp: 1017
Ion Ratio Lower Upper
56 100
55 17.8 53.8 80.6#

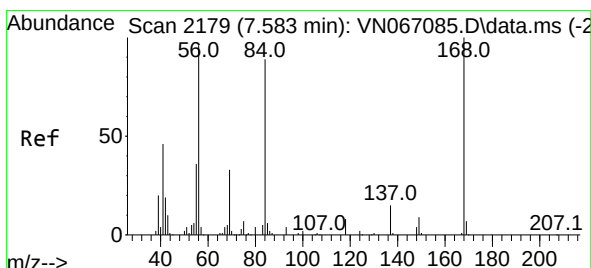
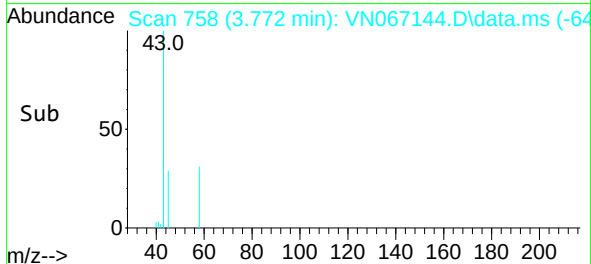
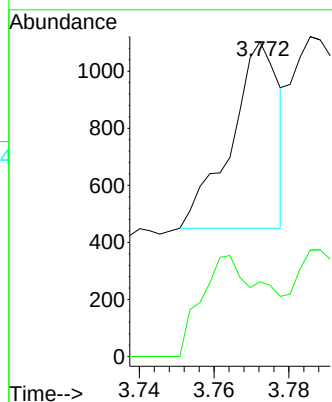
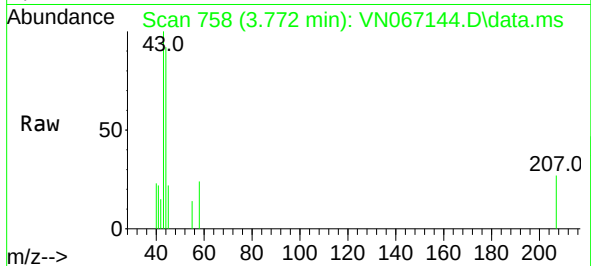




#16
Acetone
Concen: 0.27 ug/l
RT: 3.772 min Scan# 758
Delta R.T. 0.008 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

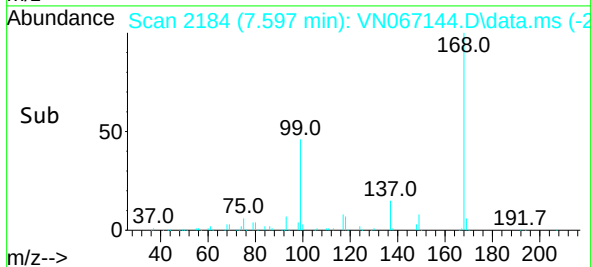
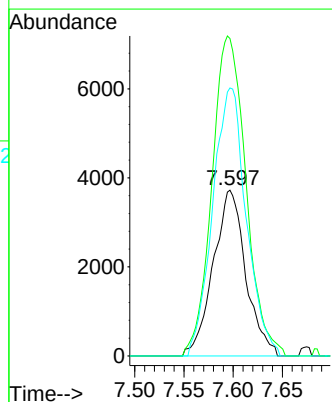
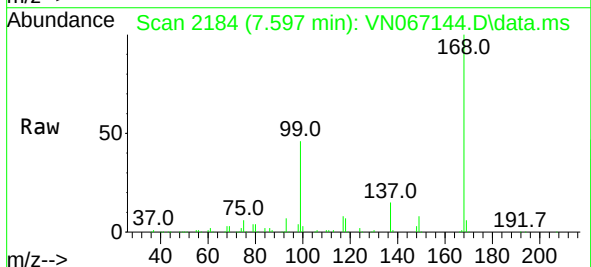
Instrument :
MSVOA_N
ClientSampleId :

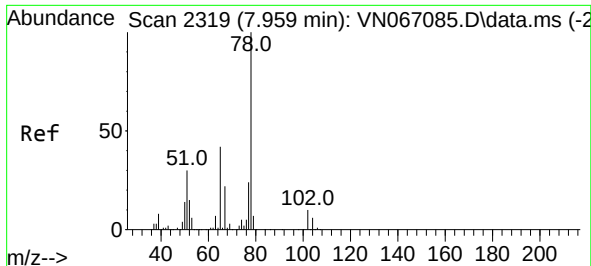
Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
58 40.1 27.2 40.8



#31
Cyclohexane
Concen: 0.92 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.014 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Tgt Ion: 56 Resp: 8579
Ion Ratio Lower Upper
56 100
69 191.5 28.0 42.0#
84 161.7 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 44.96 ug/l

RT: 7.959 min Scan# 2319

Delta R.T. -0.000 min

Lab File: VN067144.D

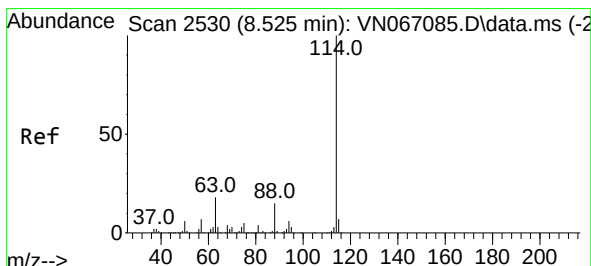
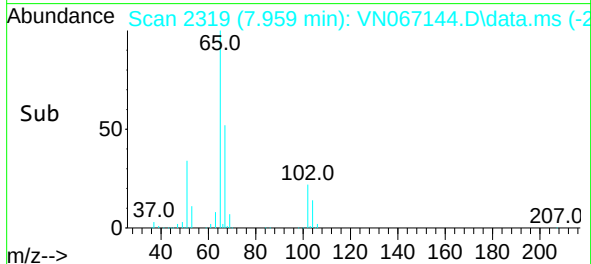
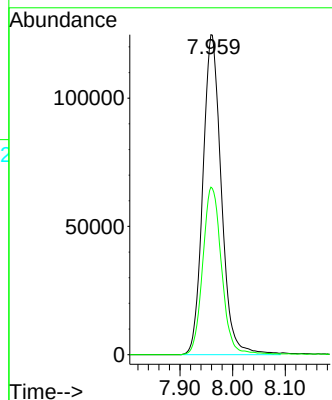
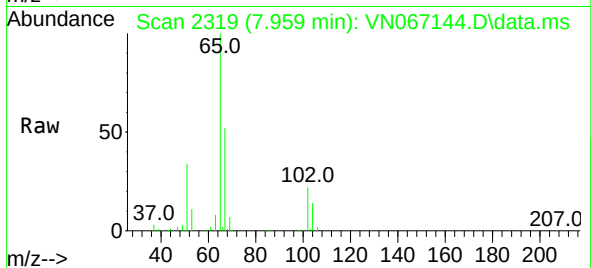
Acq: 19 May 2021 12:02

Tgt Ion: 65 Resp: 303824

Ion Ratio Lower Upper

65 100

67 53.4 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: VN067144.D

Acq: 19 May 2021 12:02

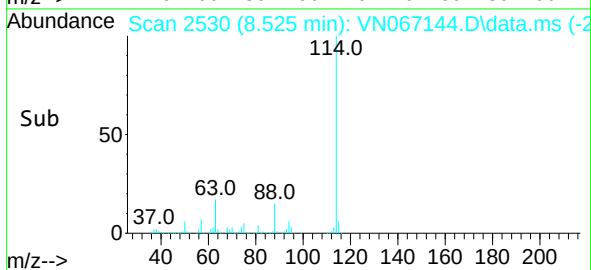
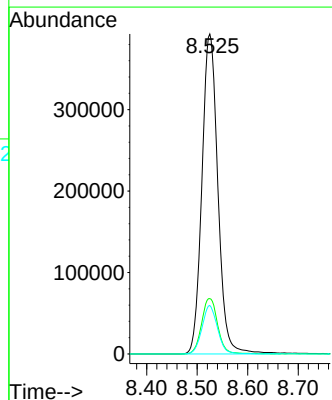
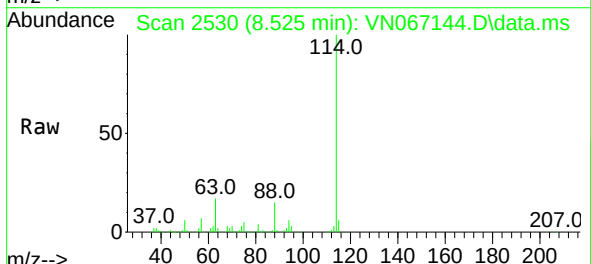
Tgt Ion: 114 Resp: 863307

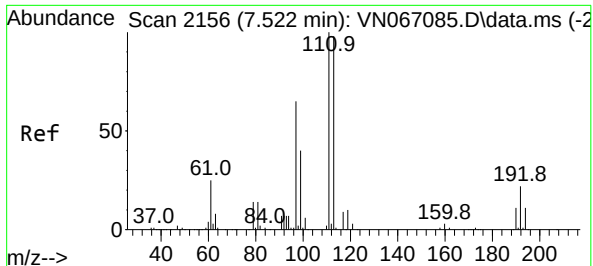
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.8

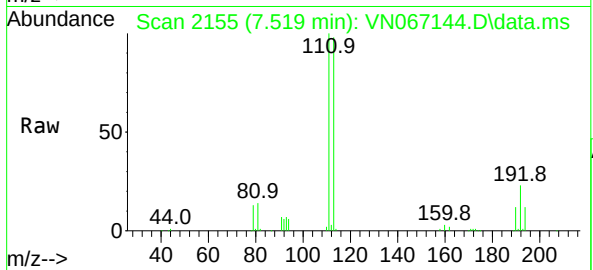
88 15.2 0.0 30.4





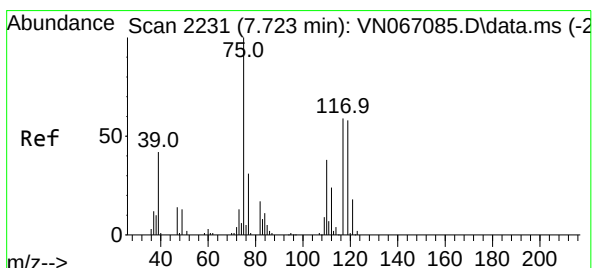
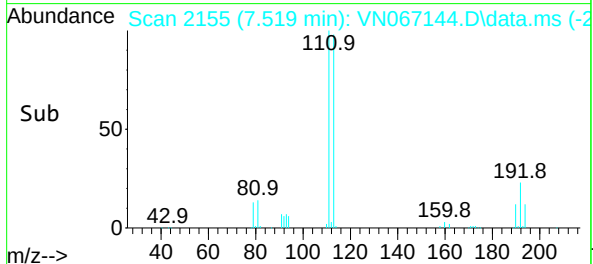
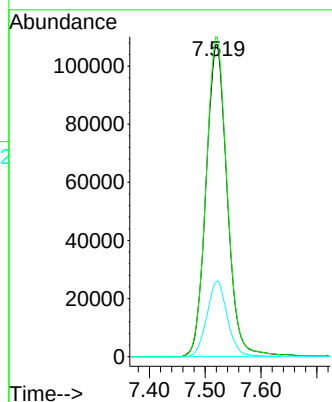
#35
 Dibromofluoromethane
 Concen: 50.06 ug/l
 RT: 7.519 min Scan# 2155
 Delta R.T. -0.003 min
 Lab File: VN067144.D
 Acq: 19 May 2021 12:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 113 Resp: 283779

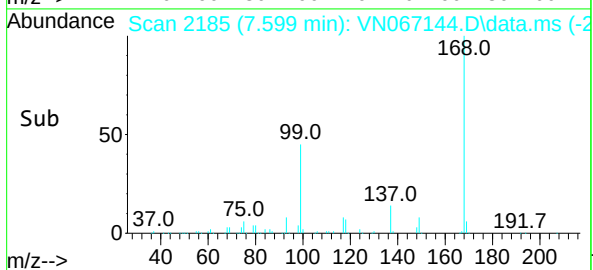
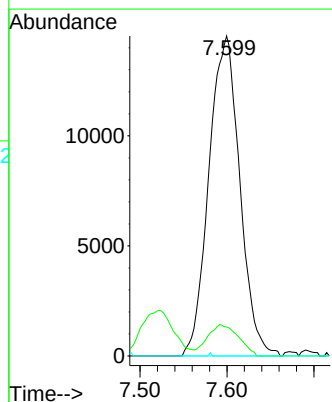
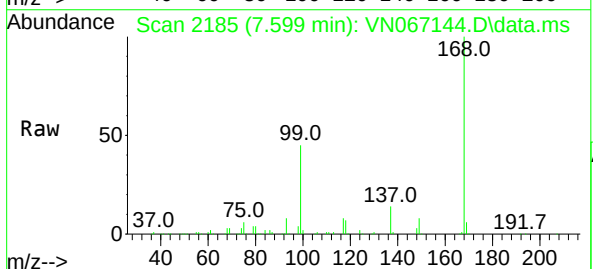
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	124.0
192	23.5	18.2	27.4

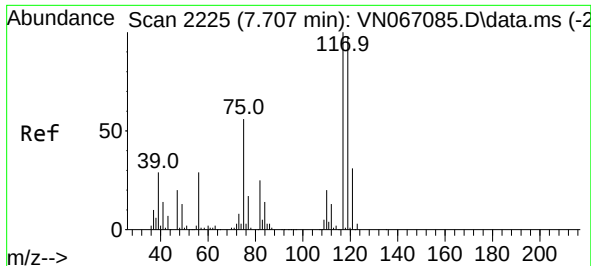


#36
 1,1-Dichloropropene
 Concen: 4.56 ug/l
 RT: 7.599 min Scan# 2185
 Delta R.T. -0.124 min
 Lab File: VN067144.D
 Acq: 19 May 2021 12:02

Tgt Ion: 75 Resp: 35881

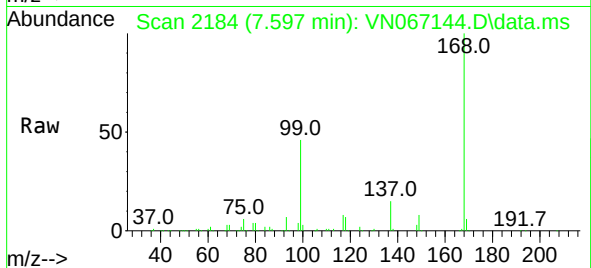
Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.1	57.3#
77	0.1	24.8	37.2#



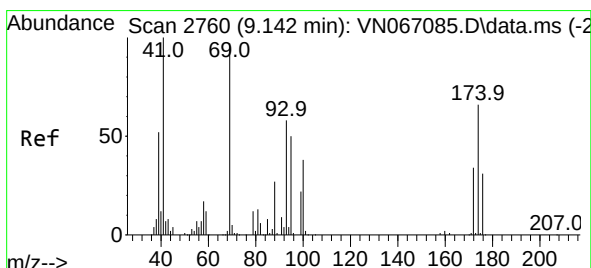
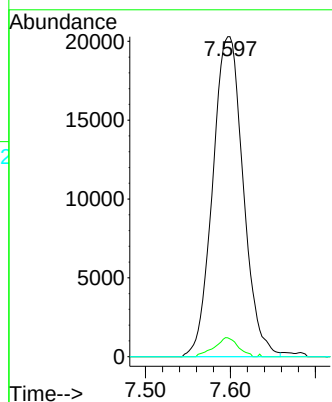
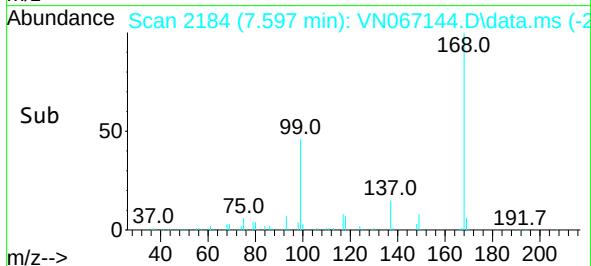


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.110 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

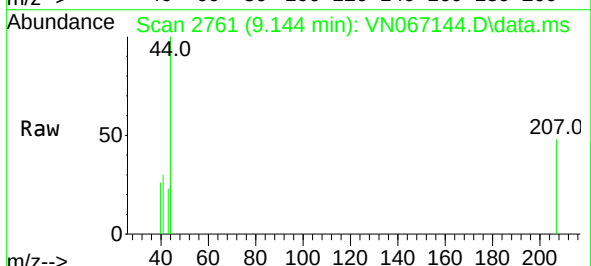
Instrument :
MSVOA_N
ClientSampled :



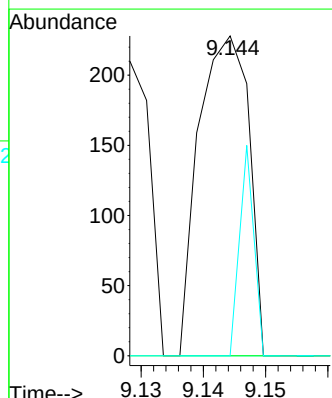
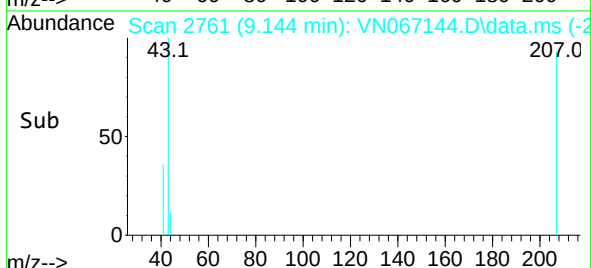
Tgt Ion: 117 Resp: 50672
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.7 37.1#

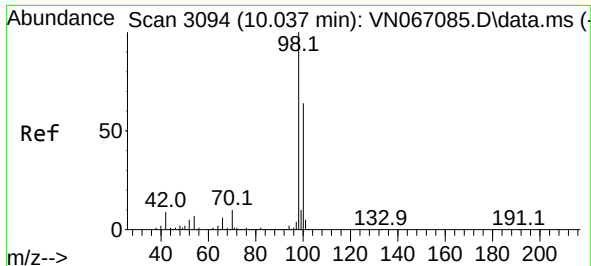


#48
Methyl methacrylate
Concen: 1.97 ug/l
RT: 9.144 min Scan# 2761
Delta R.T. 0.002 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02



Tgt Ion: 41 Resp: 128
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 18.8 41.4 62.0#

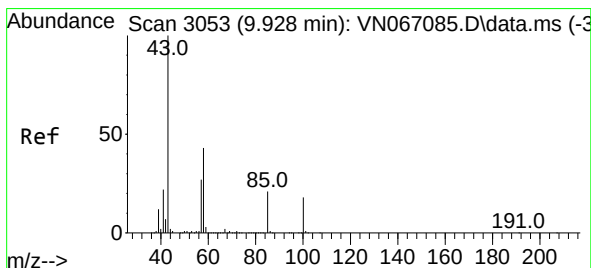
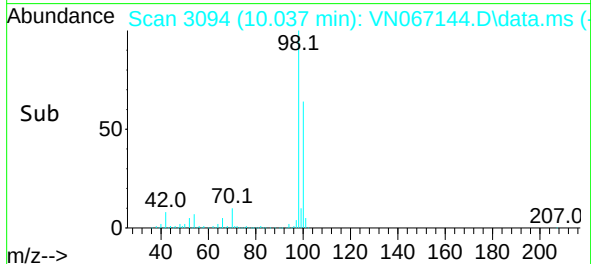
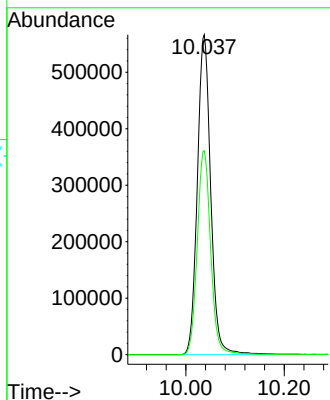
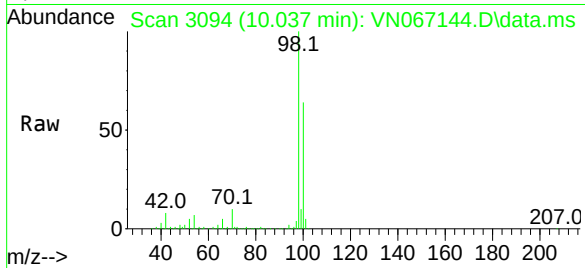




#50
Toluene-d8
Concen: 49.74 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

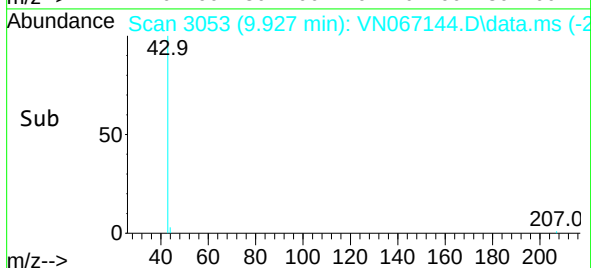
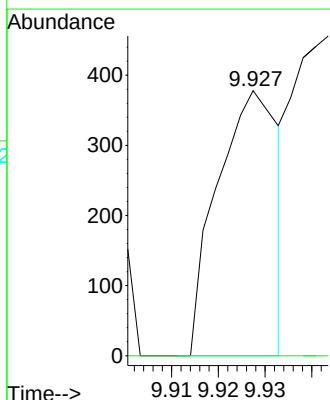
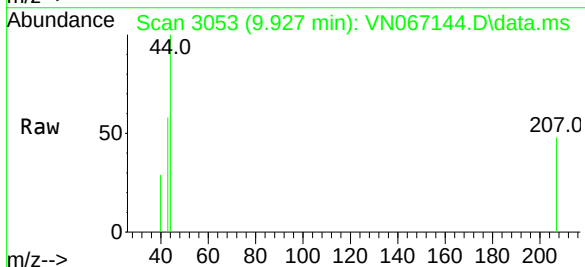
Instrument :
MSVOA_N
ClientSampled :

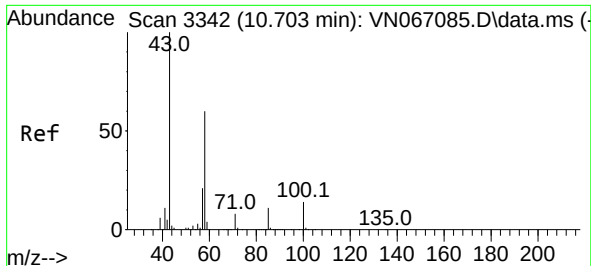
Tgt Ion: 98 Resp: 1068659
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 5.45 ug/l
RT: 9.927 min Scan# 3053
Delta R.T. -0.001 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
58 0.0 34.5 51.7#

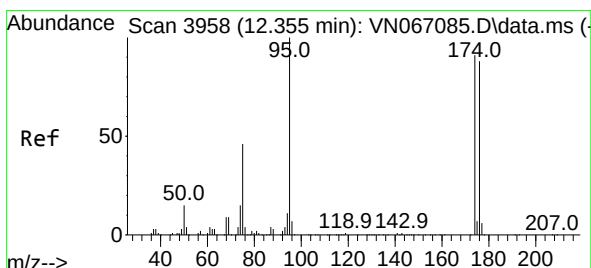
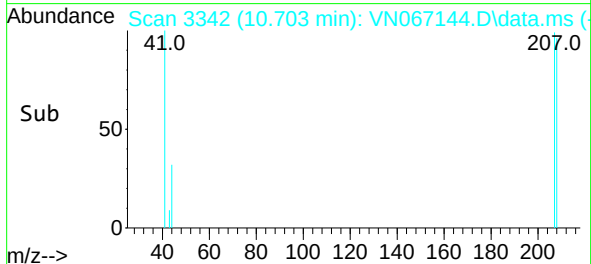
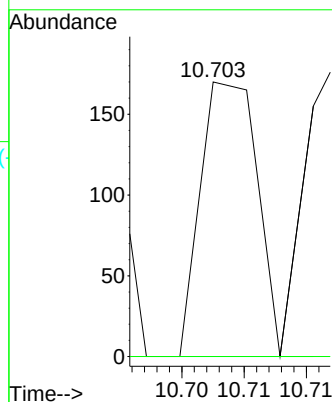
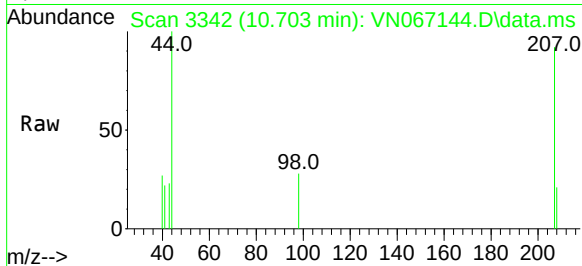




#59
2-Hexanone
Concen: 21.93 ug/l
RT: 10.703 min Scan# 3342
Delta R.T. -0.000 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

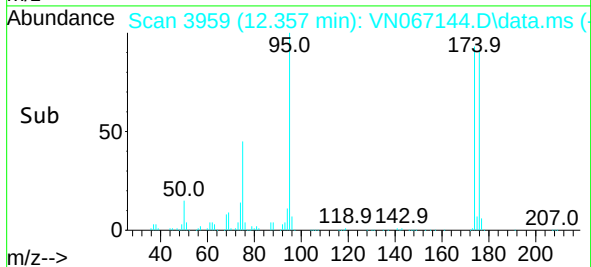
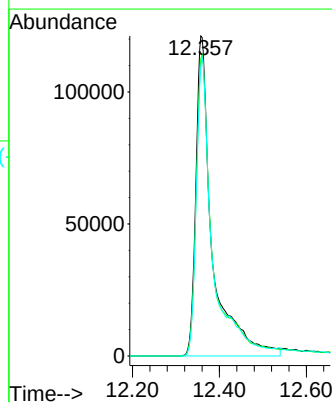
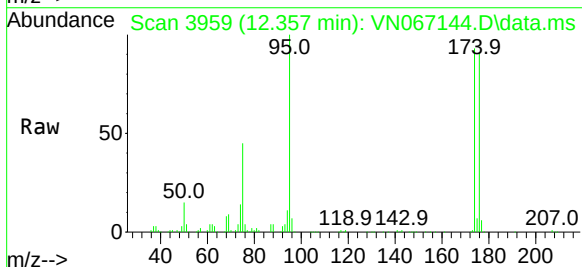
Instrument :
MSVOA_N
ClientSampleId :

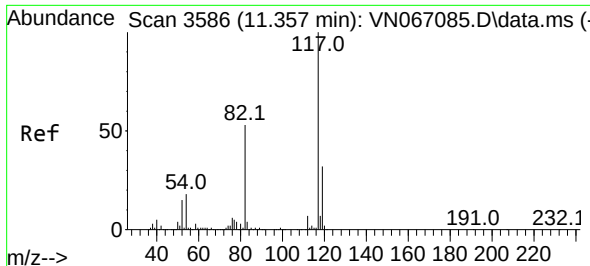
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 44.47 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Tgt Ion: 95 Resp: 320065
Ion Ratio Lower Upper
95 100
174 92.6 0.0 182.8
176 77.6 0.0 176.6

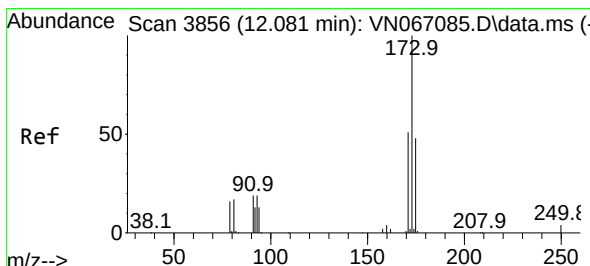
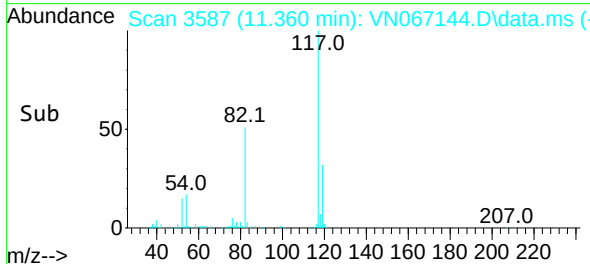
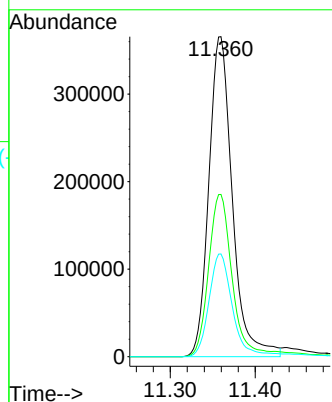
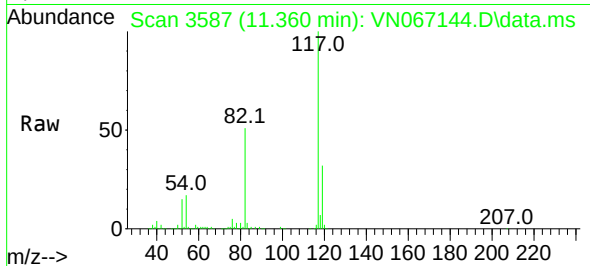




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

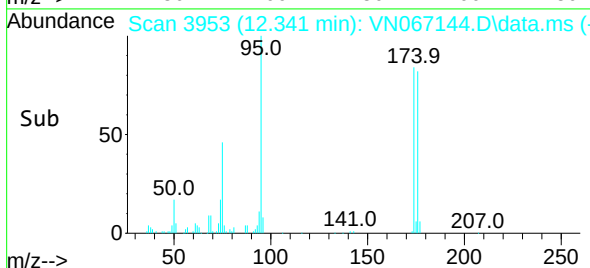
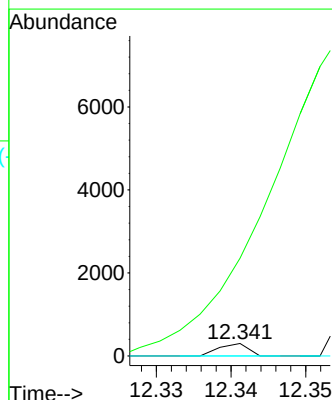
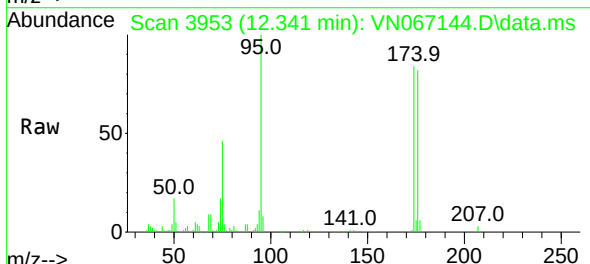
Instrument :
MSVOA_N
ClientSampled :

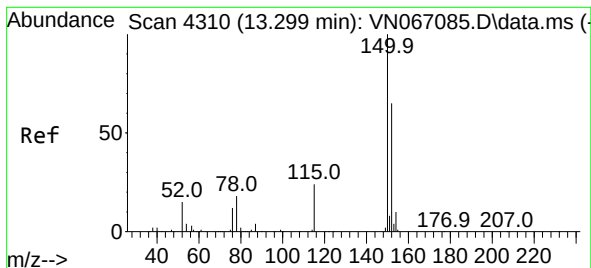
Tgt Ion:117 Resp: 702832
Ion Ratio Lower Upper
117 100
82 50.7 42.2 63.2
119 32.1 25.8 38.6



#71
Bromoform
Concen: 1.78 ug/l
RT: 12.341 min Scan# 3953
Delta R.T. 0.260 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Tgt Ion:173 Resp: 82
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: 13.304 min Scan# 4312

Delta R.T. 0.005 min

Lab File: VN067144.D

Acq: 19 May 2021 12:02

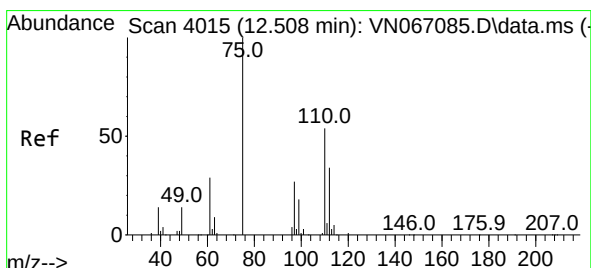
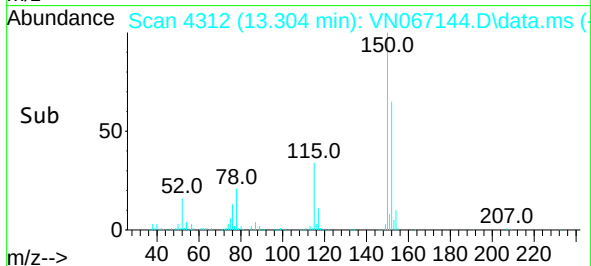
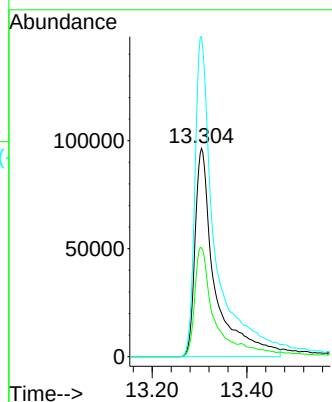
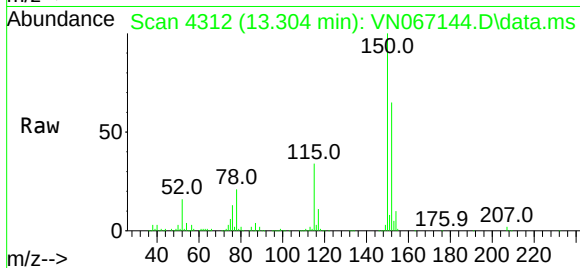
Tgt Ion:152 Resp: 282295

Ion Ratio Lower Upper

152 100

115 46.5 27.0 80.8

150 159.5 0.0 350.2



#76

1,2,3-Trichloropropane

Concen: 20.62 ug/l

RT: 12.360 min Scan# 3960

Delta R.T. -0.148 min

Lab File: VN067144.D

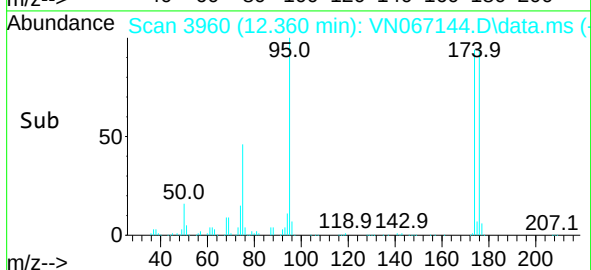
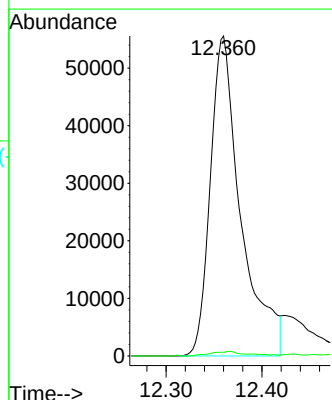
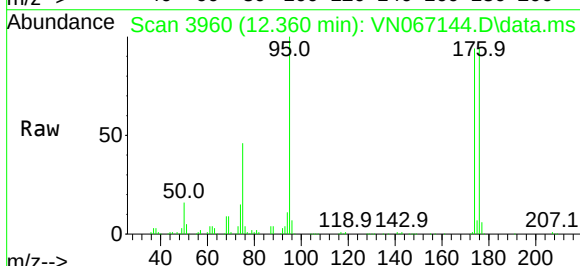
Acq: 19 May 2021 12:02

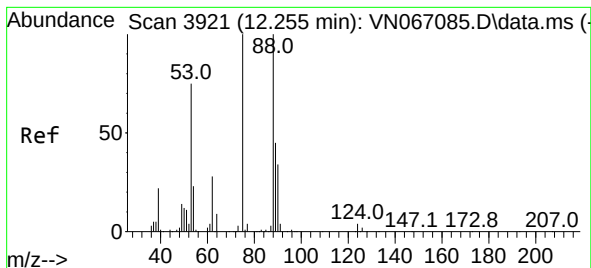
Tgt Ion: 75 Resp: 122833

Ion Ratio Lower Upper

75 100

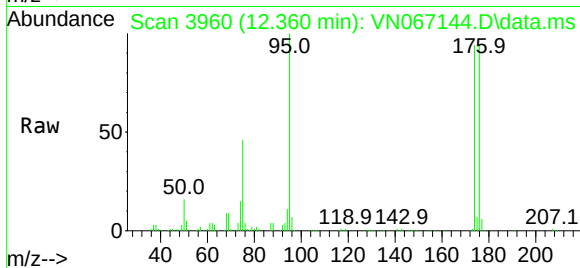
77 1.3 0.0 0.0#



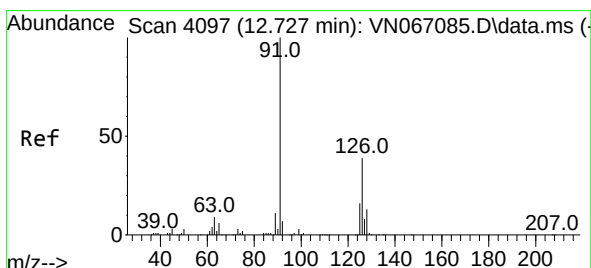
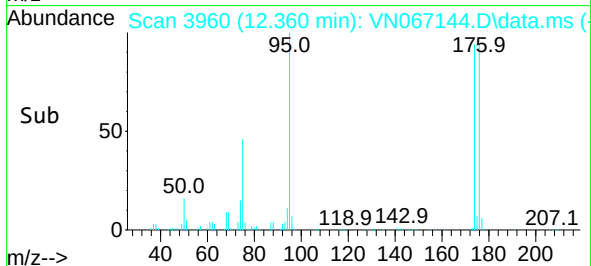
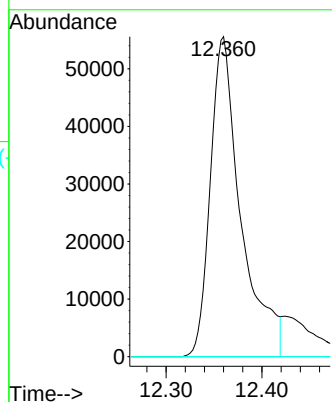


#81
trans-1,4-Dichloro-2-butene
Concen: 62.23 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.105 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Instrument :
MSVOA_N
ClientSampleId :

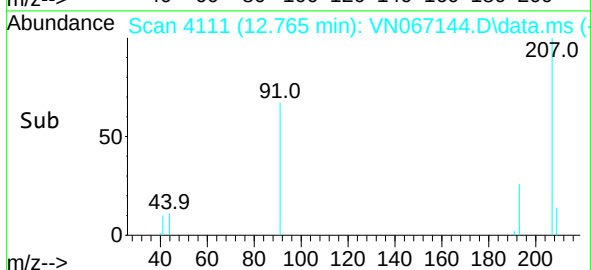
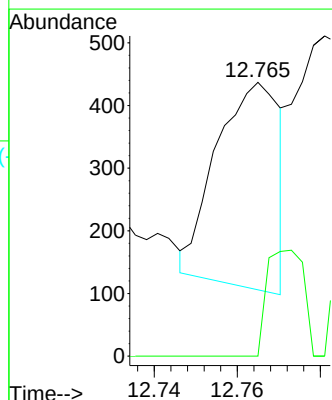
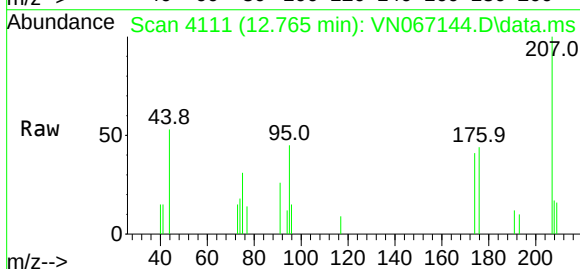


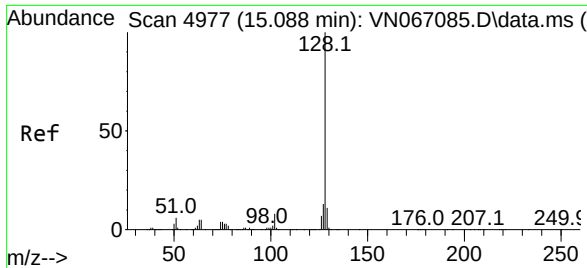
Tgt Ion: 75 Resp: 122833
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.20 ug/l
RT: 12.765 min Scan# 4111
Delta R.T. 0.038 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Tgt Ion: 91 Resp: 344
Ion Ratio Lower Upper
91 100
126 29.9 17.7 53.1

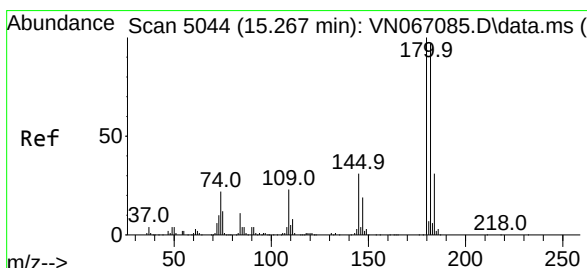
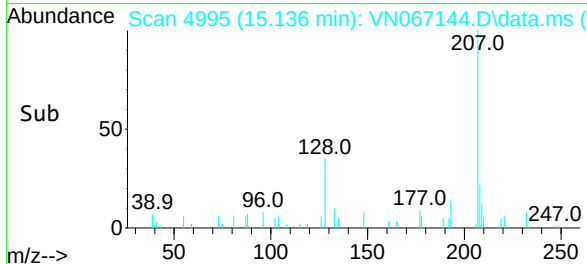
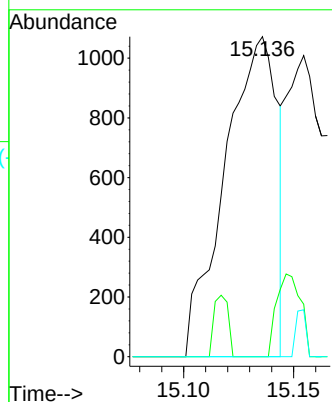
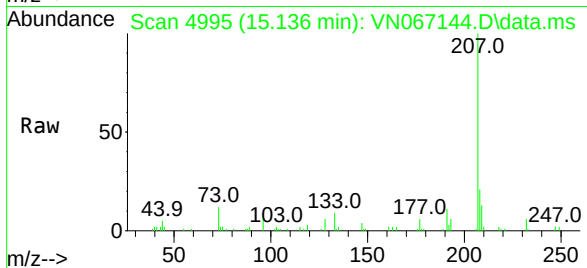




#95
Naphthalene
Concen: 3.39 ug/l
RT: 15.136 min Scan# 4995
Delta R.T. 0.048 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1773
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.2
129 2.8 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.23 ug/l
RT: 15.297 min Scan# 5055
Delta R.T. 0.030 min
Lab File: VN067144.D
Acq: 19 May 2021 12:02

Tgt Ion:180 Resp: 1058
Ion Ratio Lower Upper
180 100
182 94.7 48.5 145.6
145 28.1 15.4 46.2

