

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067192.D
 Acq On : 28 May 2021 18:46
 Operator : JC/MD
 Sample : PB136697ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB136697ZHE#09

Quant Time: May 29 02:26:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

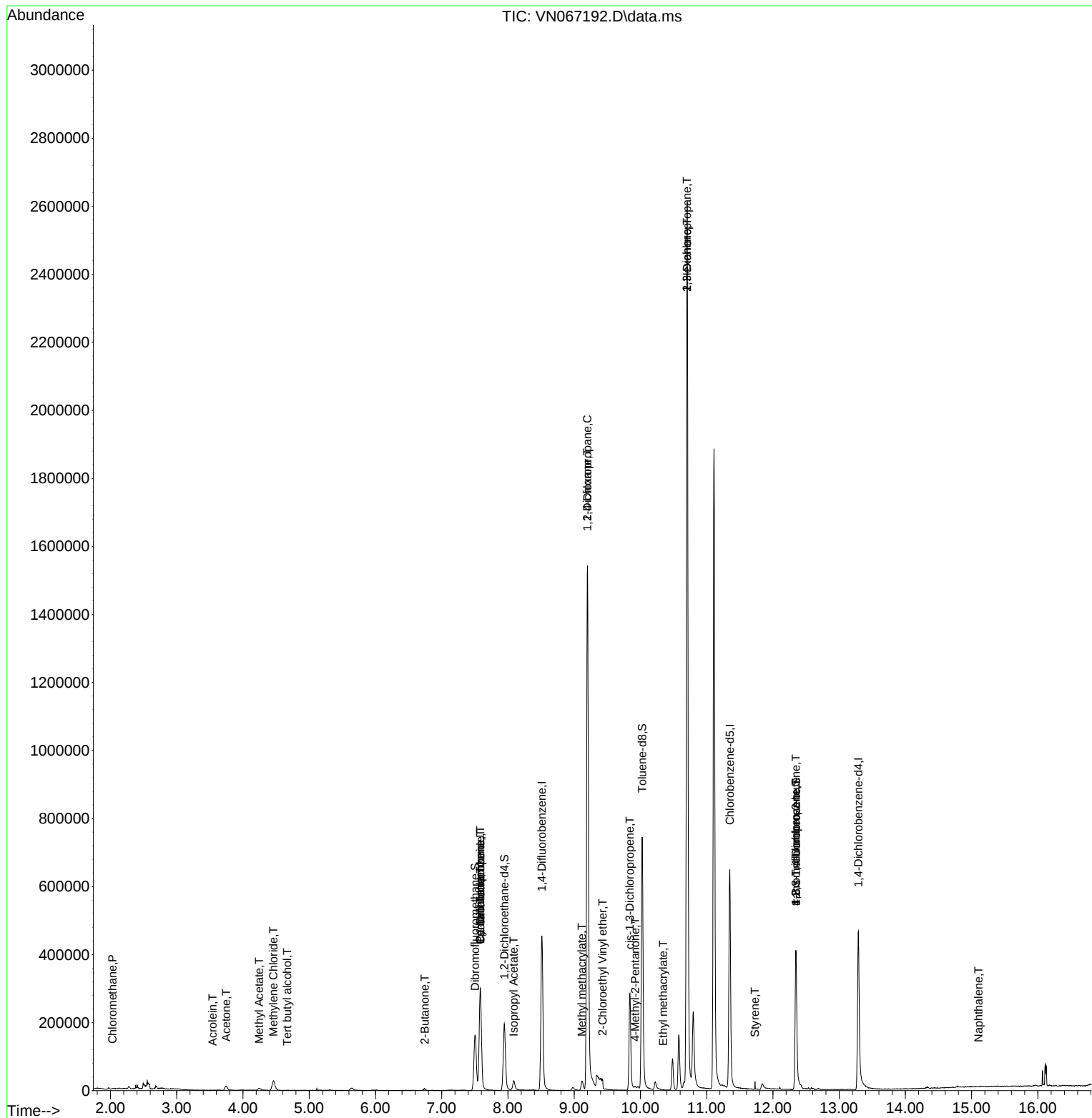
Internal Standards						
1) Pentafluorobenzene	7.583	168	236758	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.511	114	430356	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.349	117	385851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	147279	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	171397	46.65	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.30%		
35) Dibromofluoromethane	7.503	113	136864	51.82	ug/l	-0.02
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.64%		
50) Toluene-d8	10.027	98	525071	51.66	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.32%		
62) 4-Bromofluorobenzene	12.347	95	175582	50.53	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.06%		
Target Compounds						Qvalue
3) Chloromethane	2.029	50	875	0.21	ug/l #	76
11) Tert butyl alcohol	4.668	59	222	0.29	ug/l #	87
13) Acrolein	3.542	56	332	0.52	ug/l	88
16) Acetone	3.746	43	24212	16.03	ug/l	88
18) Methyl Acetate	4.244	43	11851	2.81	ug/l #	75
20) Methylene Chloride	4.459	84	21670	5.84	ug/l	89
25) 2-Butanone	6.744	43	2121	0.88	ug/l	89
31) Cyclohexane	7.583	56	5438	0.96	ug/l #	15
36) 1,1-Dichloropropene	7.583	75	20992	4.82	ug/l #	46
38) Carbon Tetrachloride	7.581	117	25016	5.90	ug/l #	16
43) Isopropyl Acetate	8.088	43	34575	4.15	ug/l #	88
45) 1,2-Dichloropropane	9.198	63	1812	0.50	ug/l #	45
48) Methyl methacrylate	9.118	41	6521	1.76	ug/l #	9
49) 1,4-Dioxane	9.201	88	111	62.54	ug/l #	1
51) 4-Methyl-2-Pentanone	9.922	43	7376	1.60	ug/l	89
54) cis-1,3-Dichloropropene	9.842	75	56012	10.15	ug/l #	63
56) Ethyl methacrylate	10.343	69	139	2.81	ug/l #	31
57) 1,3-Dichloropropane	10.705	76	27180	5.05	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.429	63	79	6.82	ug/l #	1
59) 2-Hexanone	10.705	43	400620	124.86	ug/l #	46
70) Styrene	11.730	104	56	2.51	ug/l #	27
76) 1,2,3-Trichloropropane	12.347	75	88217	21.52	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.347	75	88217	61.60	ug/l #	15
95) Naphthalene	15.106	128	25	3.87	ug/l #	69

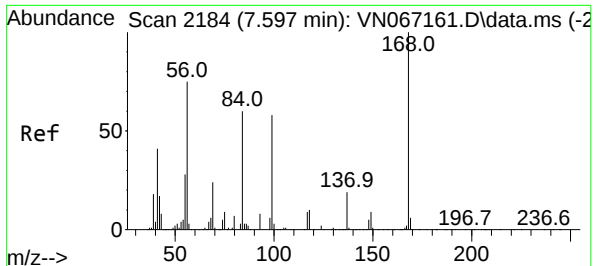
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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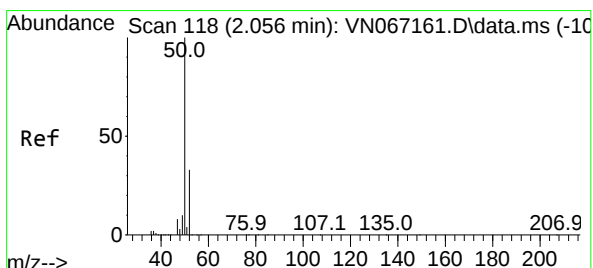
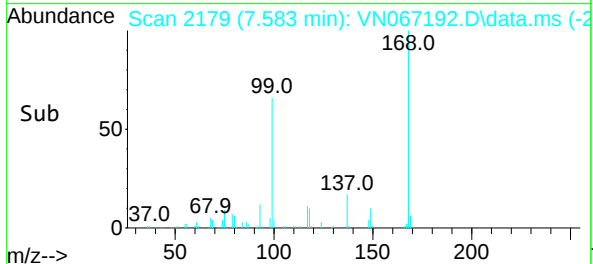
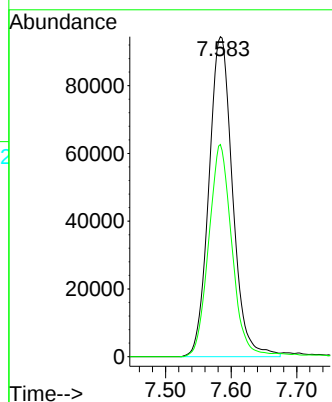
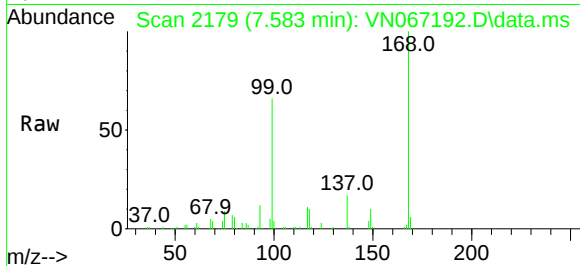




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.583 min Scan# 2179
Delta R.T. -0.014 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

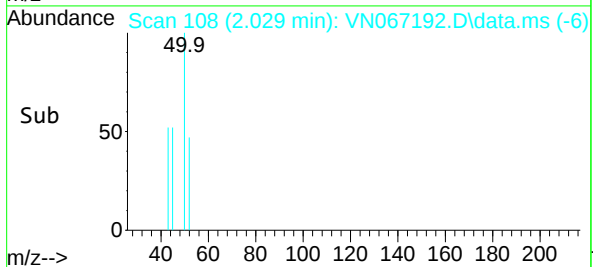
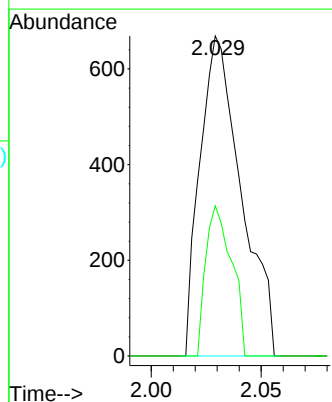
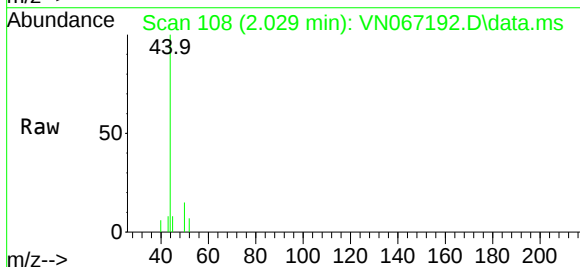
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

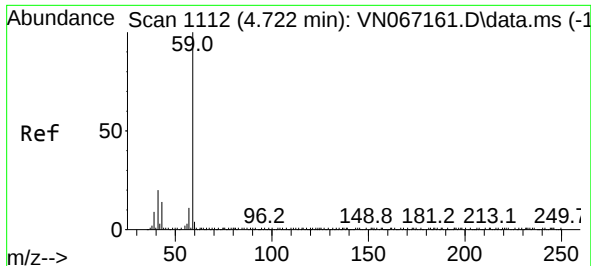
Tgt Ion:168 Resp: 236758
Ion Ratio Lower Upper
168 100
99 66.3 38.5 57.7#



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.029 min Scan# 108
Delta R.T. -0.027 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 50 Resp: 875
Ion Ratio Lower Upper
50 100
52 46.9 26.5 39.7#



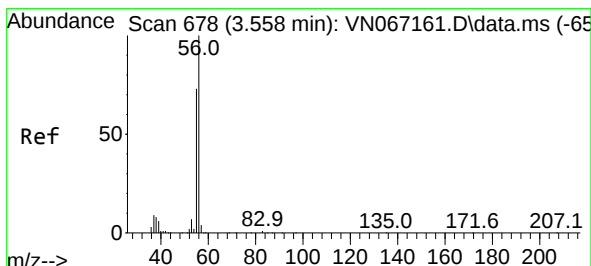
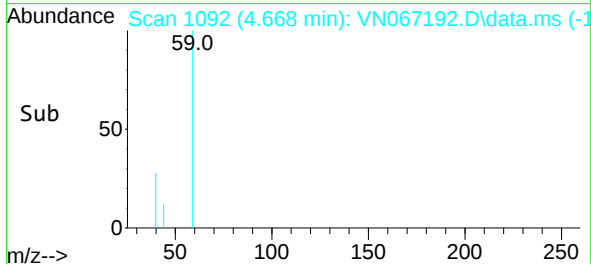
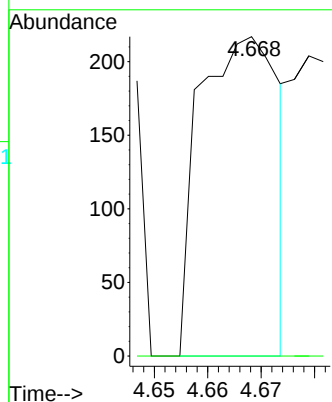
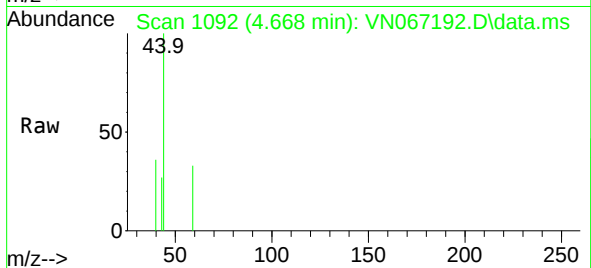


#11

Tert butyl alcohol
Concen: 0.29 ug/l
RT: 4.668 min Scan# 1092
Delta R.T. -0.054 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

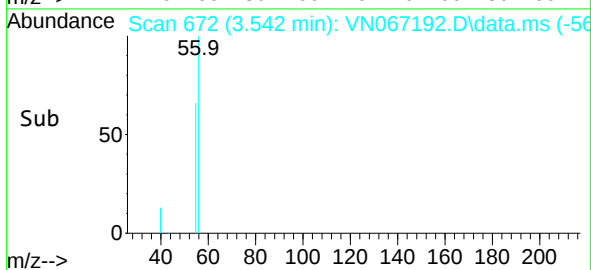
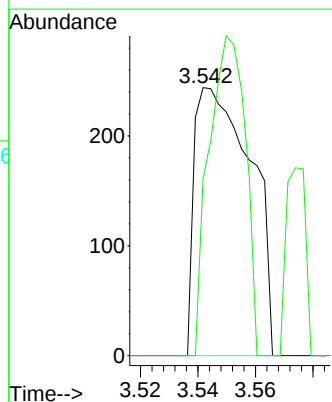
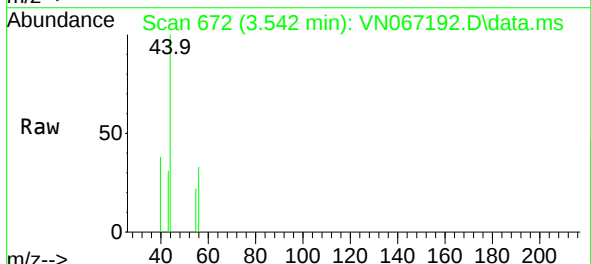
Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 3.5 5.3#

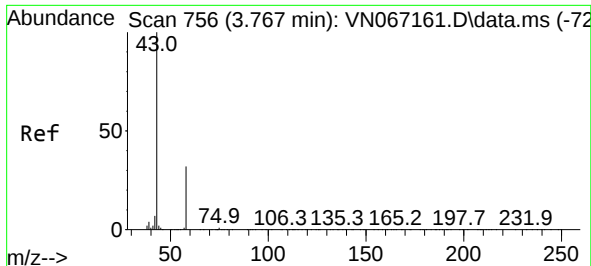


#13

Acrolein
Concen: 0.52 ug/l
RT: 3.542 min Scan# 672
Delta R.T. -0.016 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 76.8 53.8 80.6

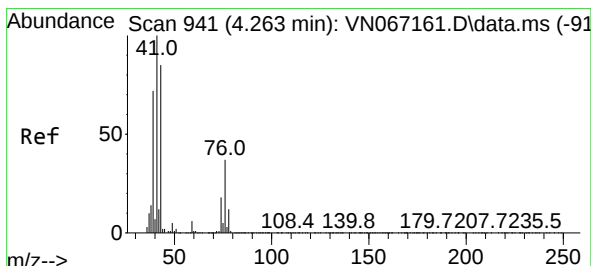
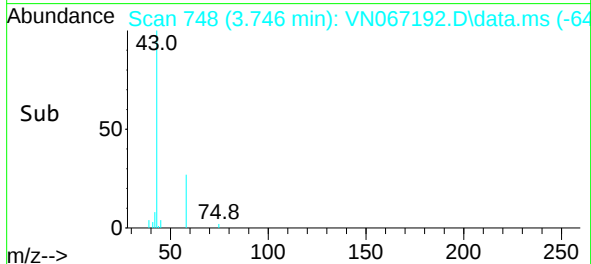
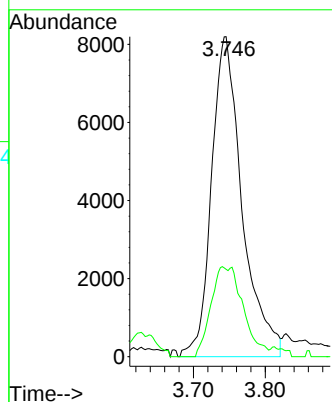
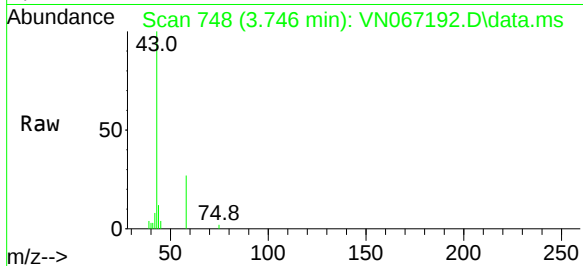




#16
Acetone
Concen: 16.03 ug/l
RT: 3.746 min Scan# 748
Delta R.T. -0.021 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

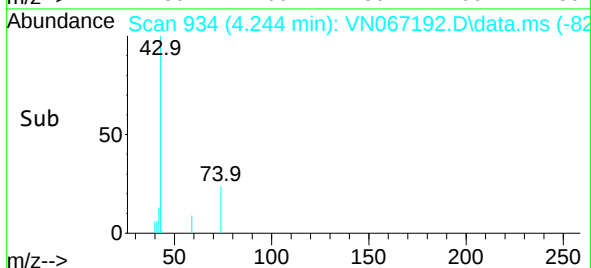
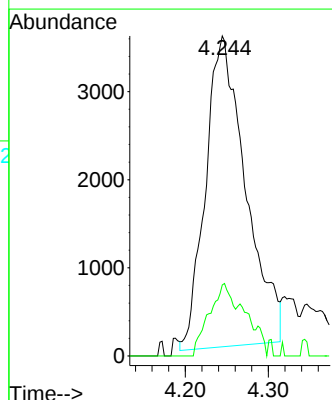
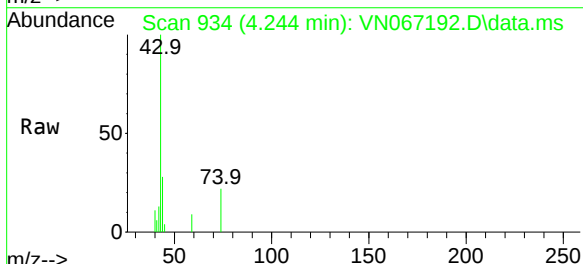
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

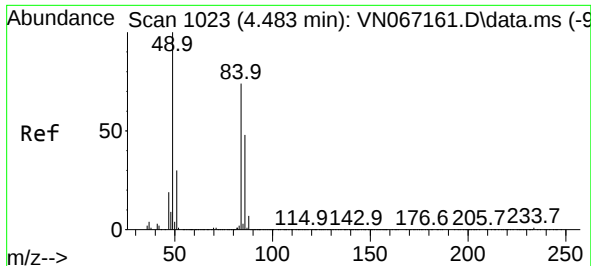
Tgt Ion: 43 Resp: 24212
Ion Ratio Lower Upper
43 100
58 27.3 27.2 40.8



#18
Methyl Acetate
Concen: 2.81 ug/l
RT: 4.244 min Scan# 934
Delta R.T. -0.019 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 43 Resp: 11851
Ion Ratio Lower Upper
43 100
74 13.7 21.4 32.2#





#20

Methylene Chloride

Concen: 5.84 ug/l

RT: 4.459 min Scan# 1014

Delta R.T. -0.024 min

Lab File: VN067192.D

Acq: 28 May 2021 18:46

Tgt Ion: 84 Resp: 21670

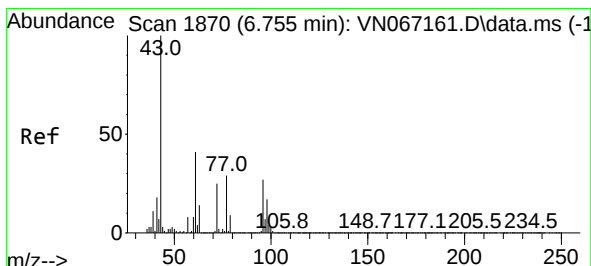
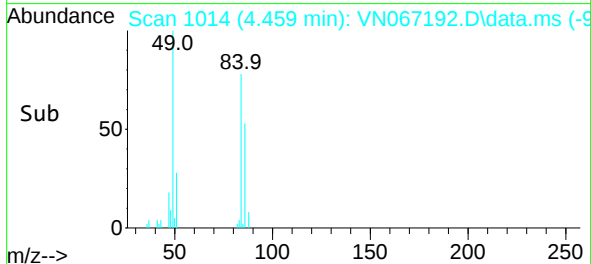
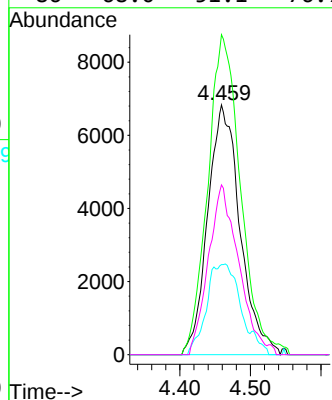
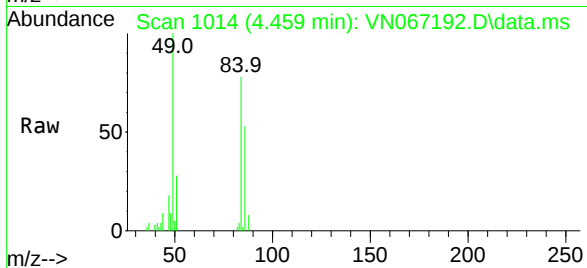
Ion Ratio Lower Upper

84 100

49 128.1 88.3 132.5

51 36.0 26.7 40.1

86 68.0 51.1 76.7



#25

2-Butanone

Concen: 0.88 ug/l

RT: 6.744 min Scan# 1866

Delta R.T. -0.011 min

Lab File: VN067192.D

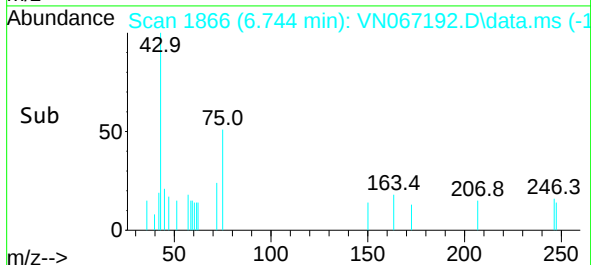
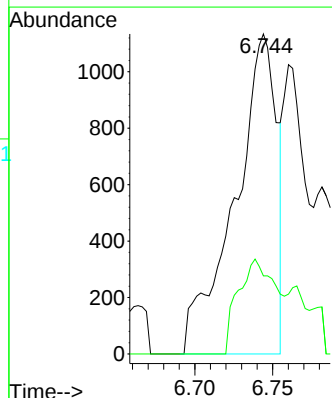
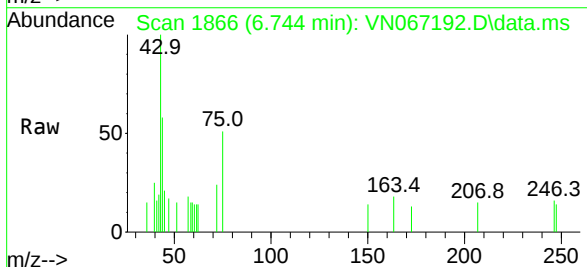
Acq: 28 May 2021 18:46

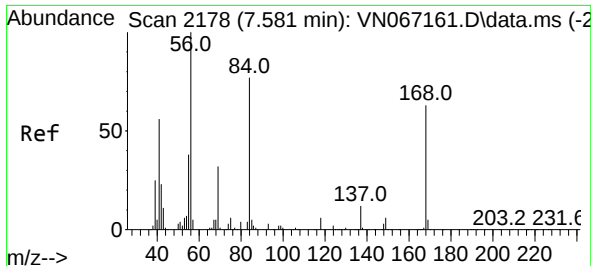
Tgt Ion: 43 Resp: 2121

Ion Ratio Lower Upper

43 100

72 24.4 24.4 36.6

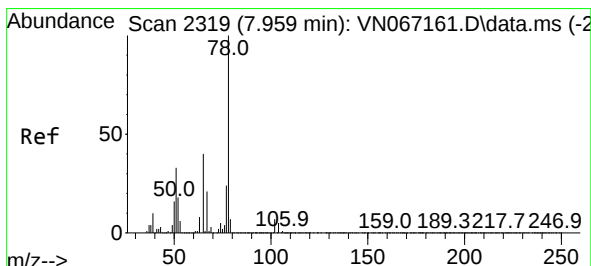
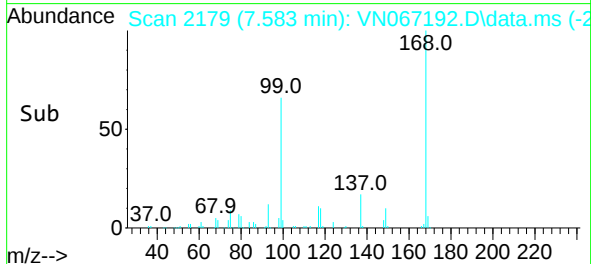
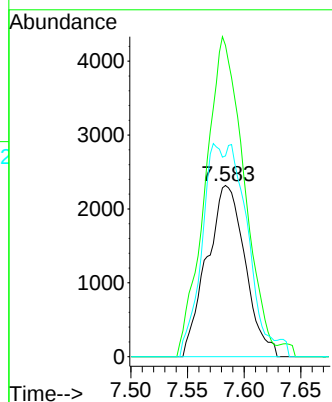
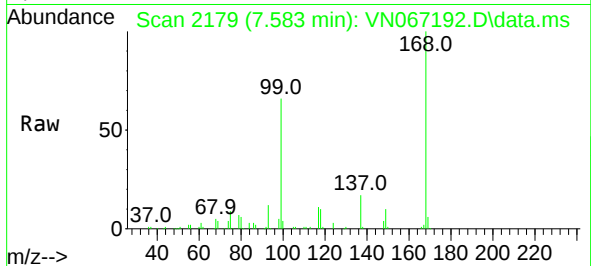




#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.583 min Scan# 2179
Delta R.T. 0.002 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

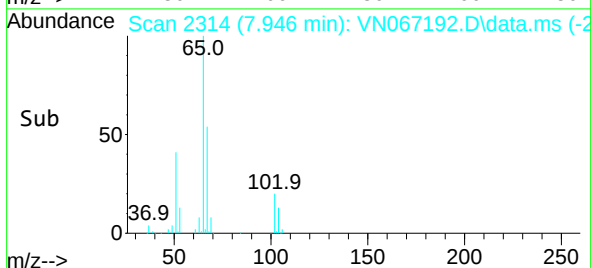
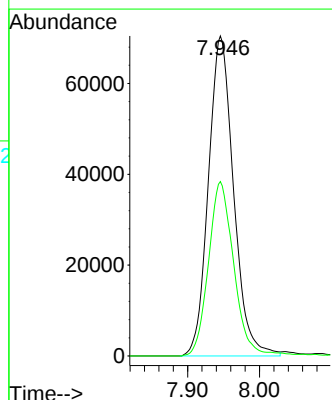
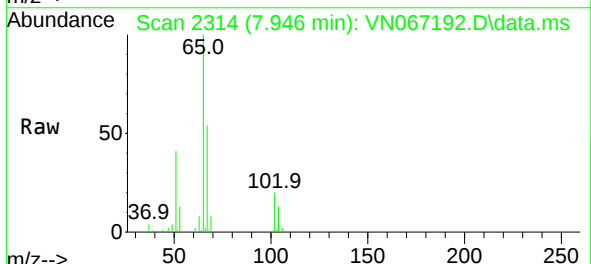
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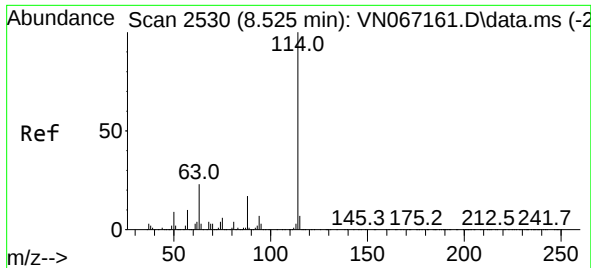
Tgt Ion: 56 Resp: 5438
Ion Ratio Lower Upper
56 100
69 174.9 28.0 42.0#
84 117.3 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 46.65 ug/l
RT: 7.946 min Scan# 2314
Delta R.T. -0.013 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 65 Resp: 171397
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.4

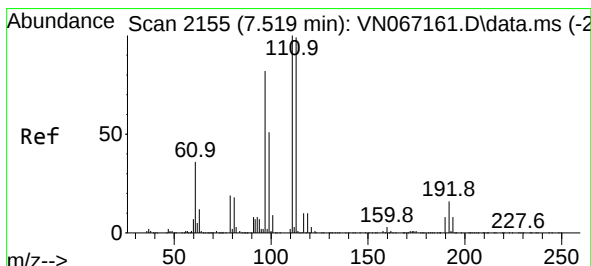
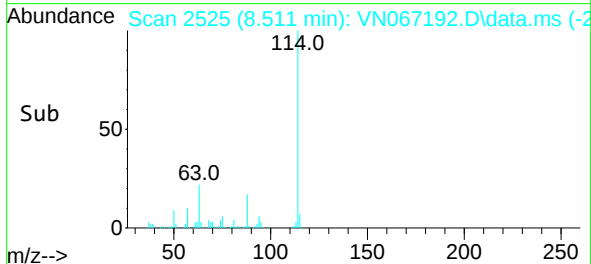
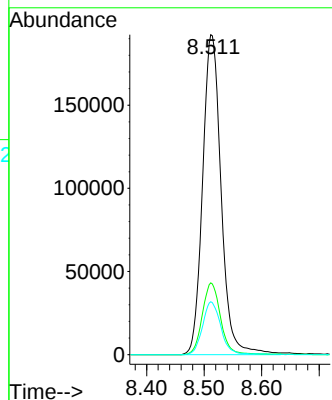
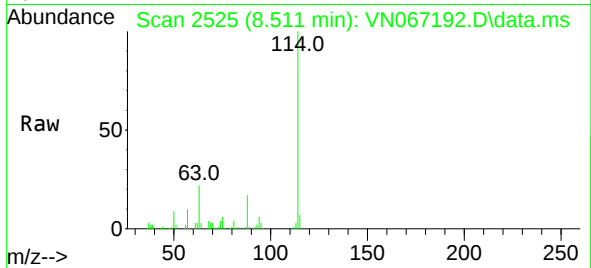




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.511 min Scan# 2525
Delta R.T. -0.014 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

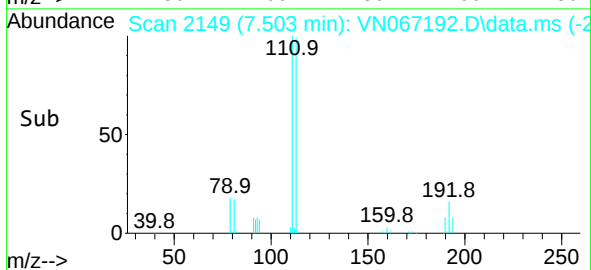
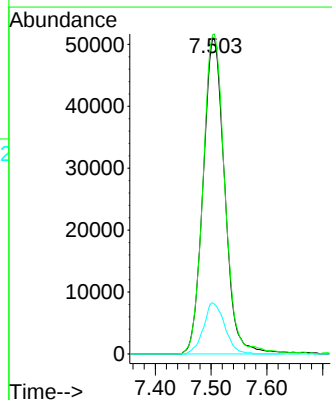
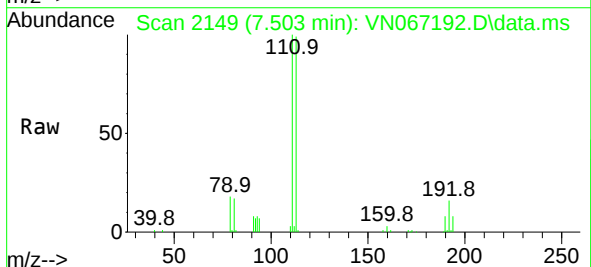
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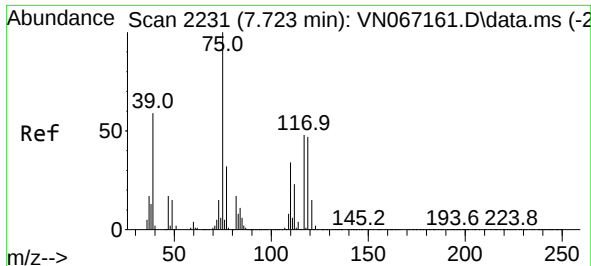
Tgt Ion:114 Resp: 430356
Ion Ratio Lower Upper
114 100
63 22.4 0.0 35.8
88 16.5 0.0 30.4



#35
Dibromofluoromethane
Concen: 51.82 ug/l
RT: 7.503 min Scan# 2149
Delta R.T. -0.016 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion:113 Resp: 136864
Ion Ratio Lower Upper
113 100
111 100.6 82.6 124.0
192 16.0 18.2 27.4#

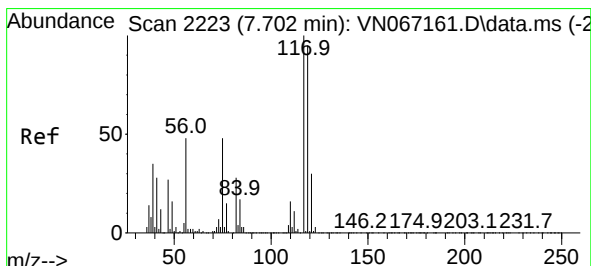
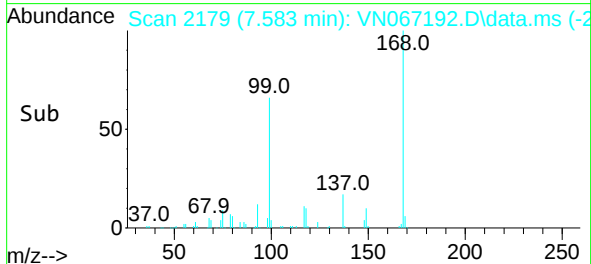
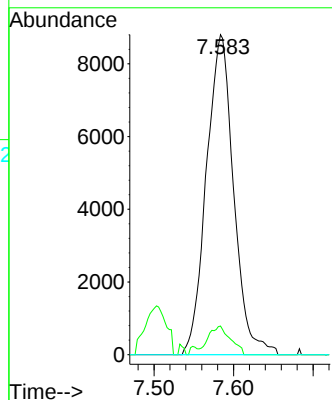
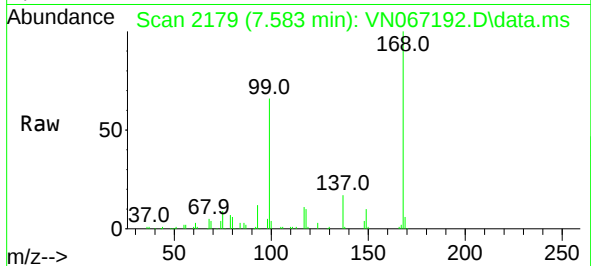




#36
1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 7.583 min Scan# 2179
Delta R.T. -0.140 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

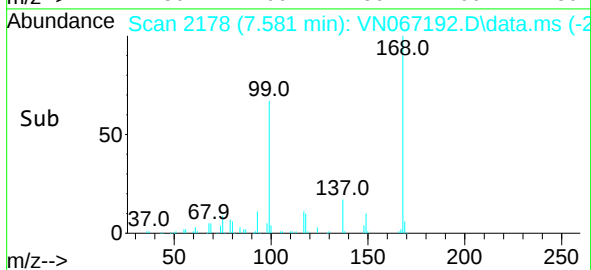
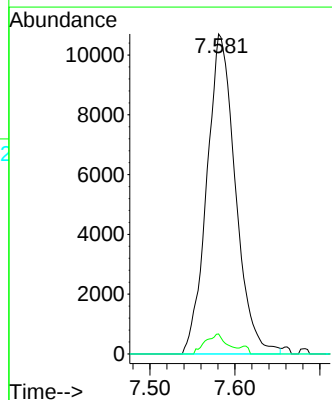
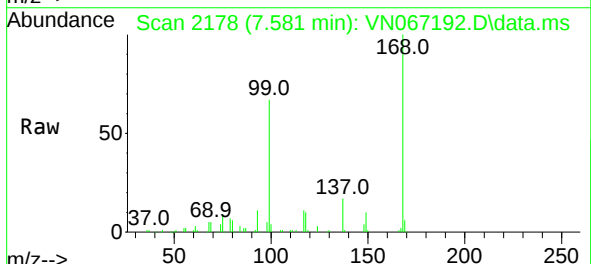
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

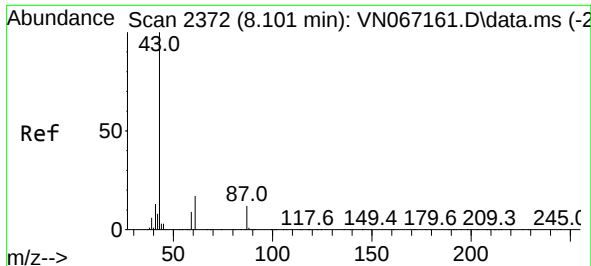
Tgt Ion: 75 Resp: 20992
Ion Ratio Lower Upper
75 100
110 7.2 19.1 57.3#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.90 ug/l
RT: 7.581 min Scan# 2178
Delta R.T. -0.121 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 117 Resp: 25016
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.7 37.1#

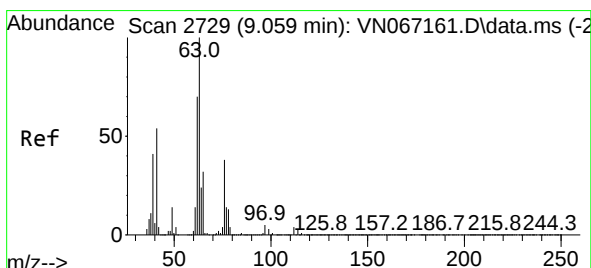
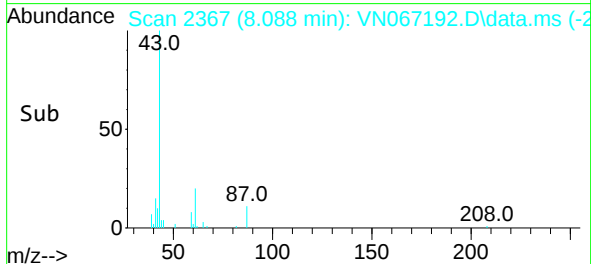
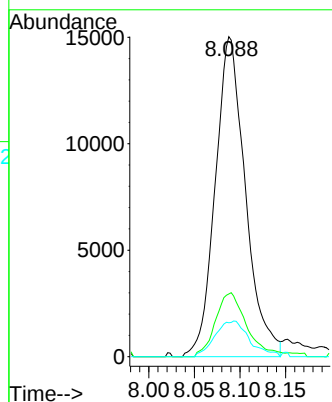
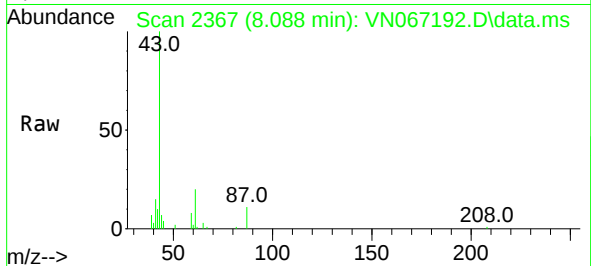




#43
Isopropyl Acetate
Concen: 4.15 ug/l
RT: 8.088 min Scan# 2367
Delta R.T. -0.013 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

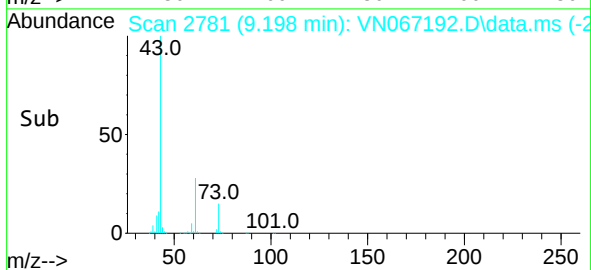
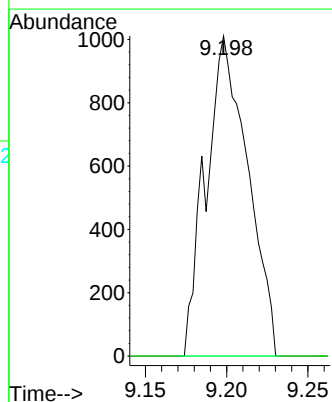
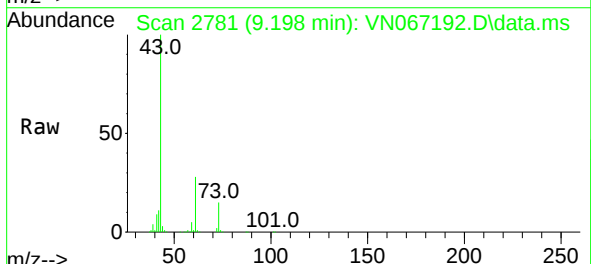
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

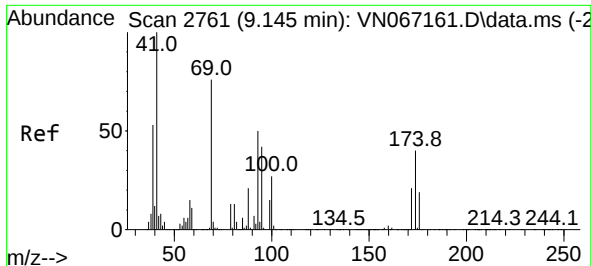
Tgt Ion: 43 Resp: 34575
Ion Ratio Lower Upper
43 100
61 20.7 23.4 35.0#
87 12.7 12.2 18.2



#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.198 min Scan# 2781
Delta R.T. 0.139 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 63 Resp: 1812
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

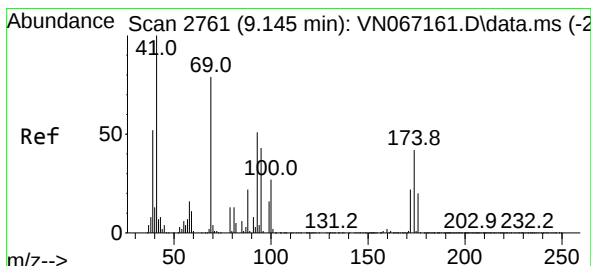
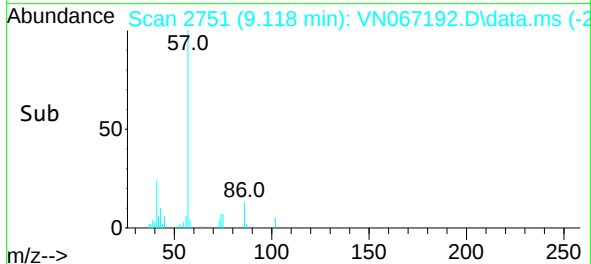
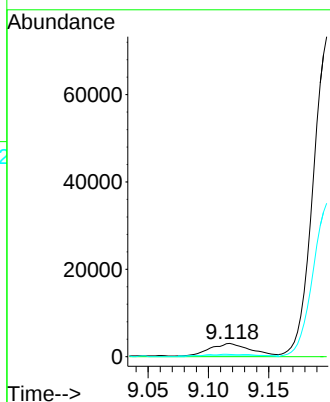
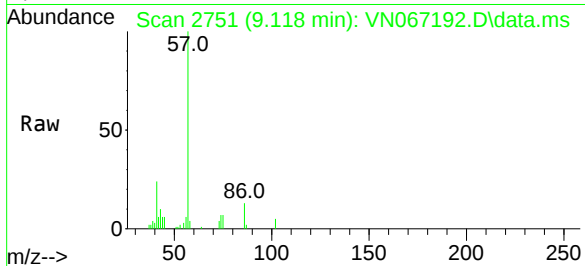




#48
Methyl methacrylate
Concen: 1.76 ug/l
RT: 9.118 min Scan# 2751
Delta R.T. -0.027 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

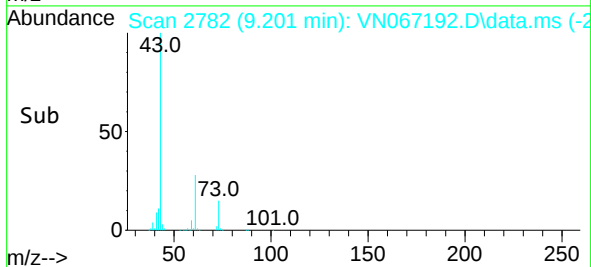
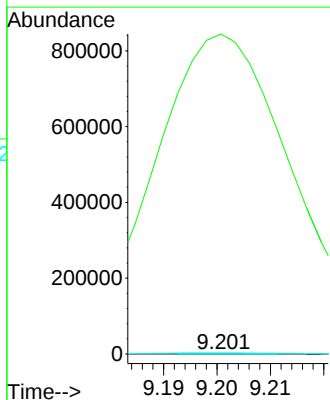
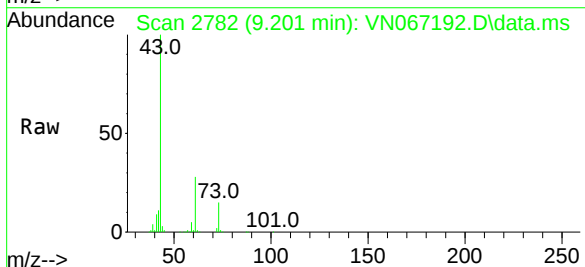
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

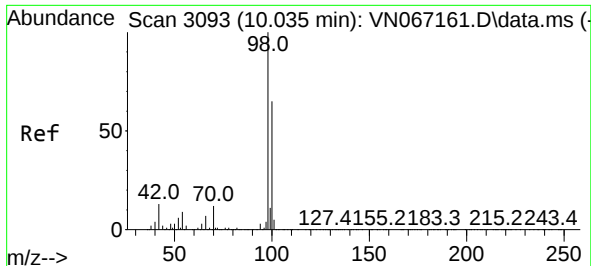
Tgt Ion: 41 Resp: 6521
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#49
1,4-Dioxane
Concen: 62.54 ug/l
RT: 9.201 min Scan# 2782
Delta R.T. 0.056 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 1525765.8 21.8 32.8#
58 5427.0 50.8 76.2#

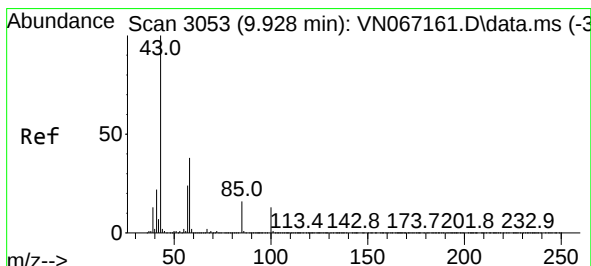
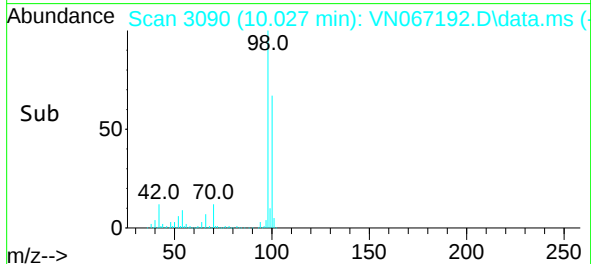
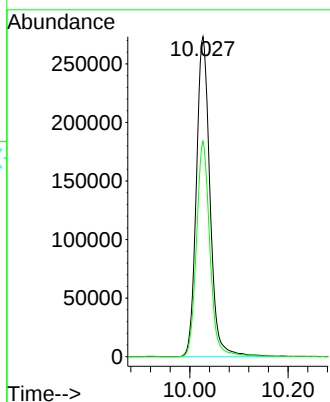
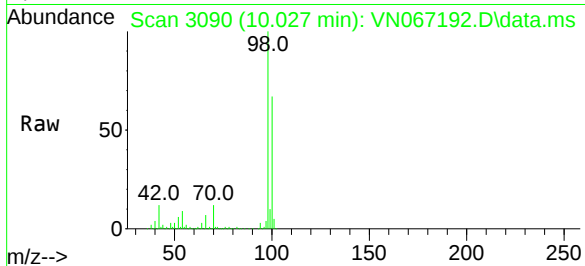




#50
Toluene-d8
Concen: 51.66 ug/l
RT: 10.027 min Scan# 3090
Delta R.T. -0.008 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

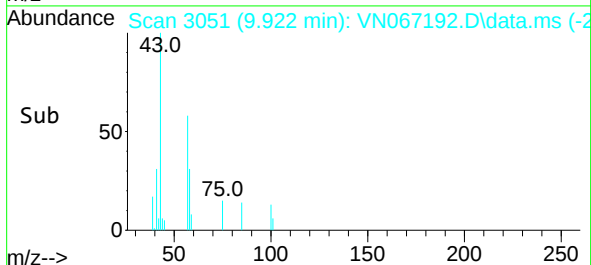
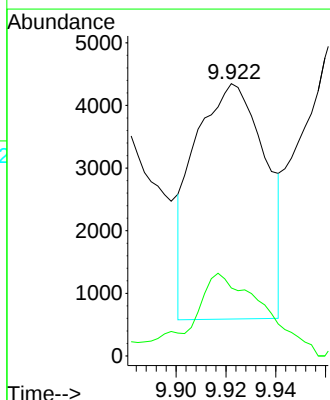
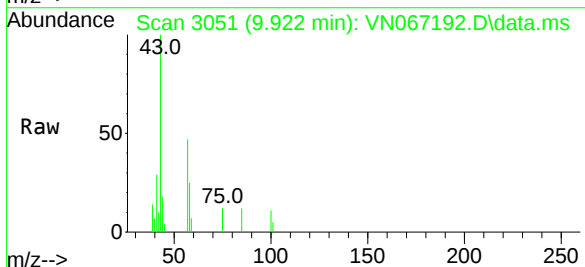
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

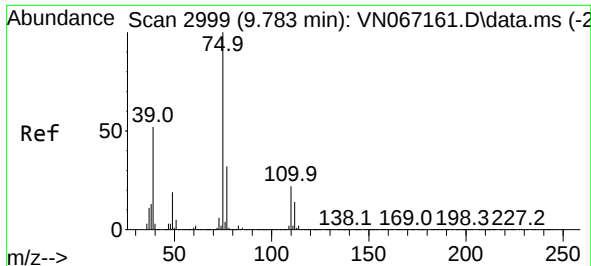
Tgt Ion: 98 Resp: 525071
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.60 ug/l
RT: 9.922 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 43 Resp: 7376
Ion Ratio Lower Upper
43 100
58 36.0 34.5 51.7

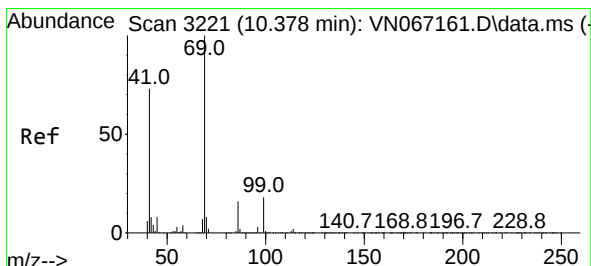
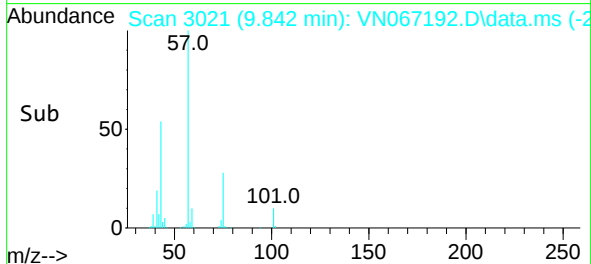
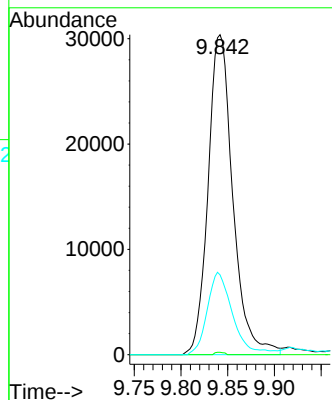
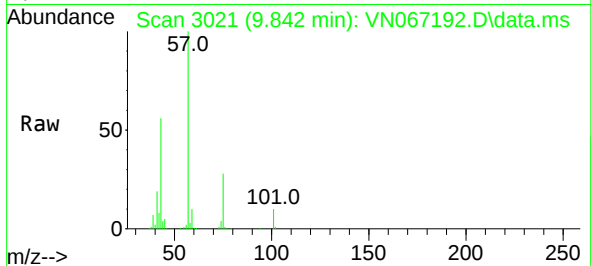




#54
cis-1,3-Dichloropropene
Concen: 10.15 ug/l
RT: 9.842 min Scan# 3021
Delta R.T. 0.059 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

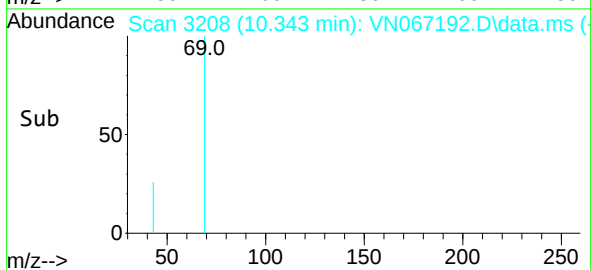
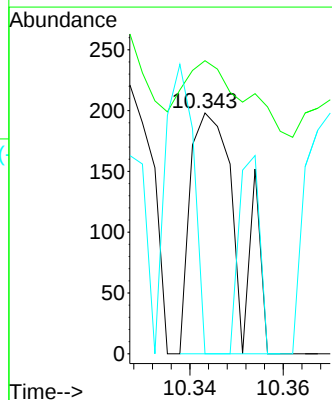
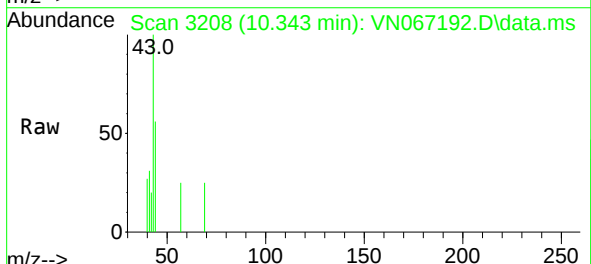
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

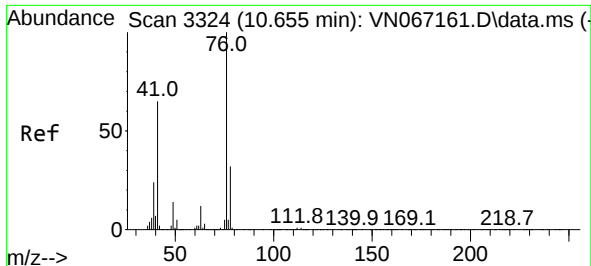
Tgt Ion: 75 Resp: 56012
Ion Ratio Lower Upper
75 100
77 0.7 25.1 37.7#
39 25.0 30.9 46.3#



#56
Ethyl methacrylate
Concen: 2.81 ug/l
RT: 10.343 min Scan# 3208
Delta R.T. -0.035 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 69 Resp: 139
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#

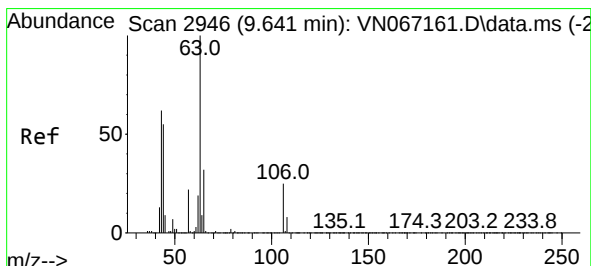
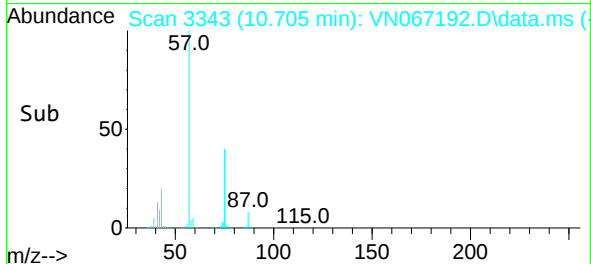
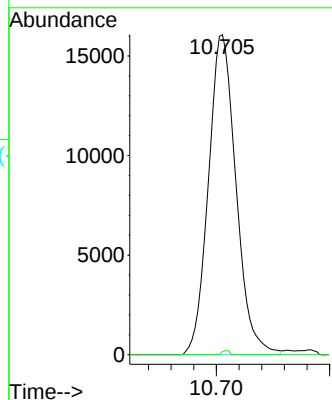
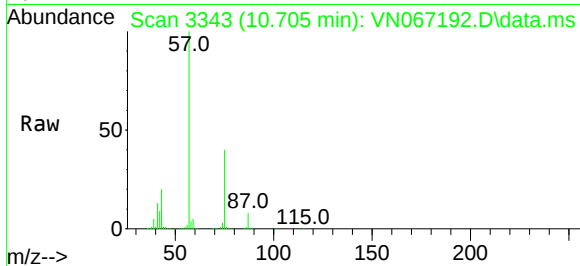




#57
1,3-Dichloropropane
Concen: 5.05 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.050 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

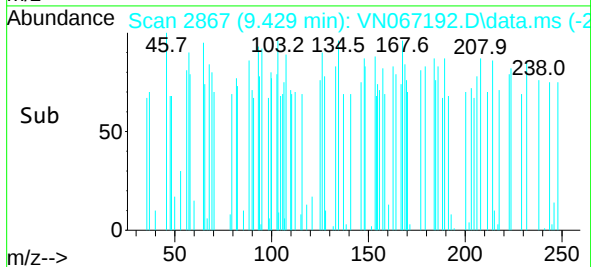
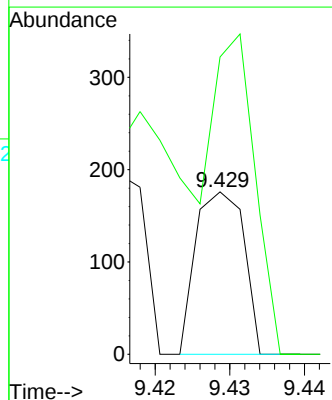
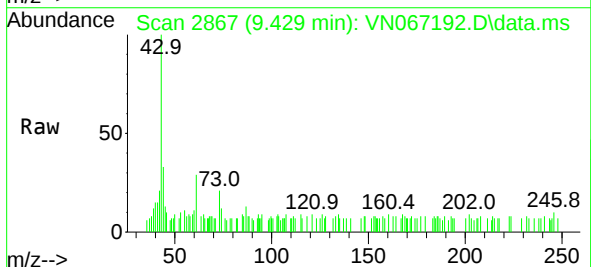
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

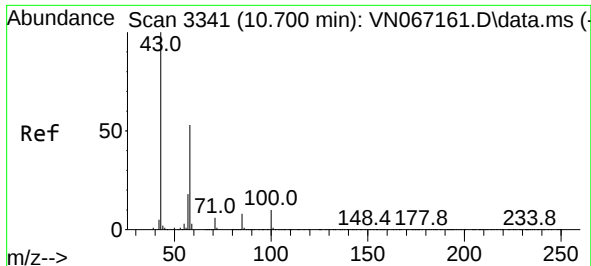
Tgt Ion: 76 Resp: 27180
Ion Ratio Lower Upper
76 100
78 0.3 26.3 39.5#



#58
2-Chloroethyl Vinyl ether
Concen: 6.82 ug/l
RT: 9.429 min Scan# 2867
Delta R.T. -0.212 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 63 Resp: 79
Ion Ratio Lower Upper
63 100
106 167.1 23.9 35.9#

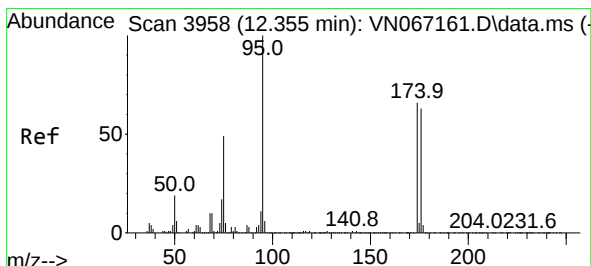
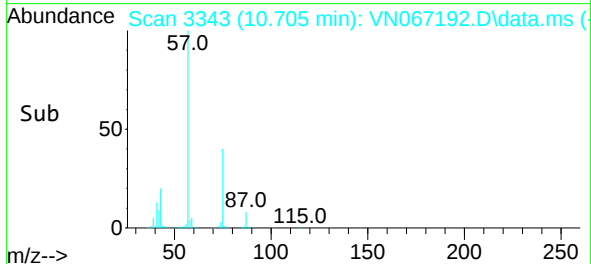
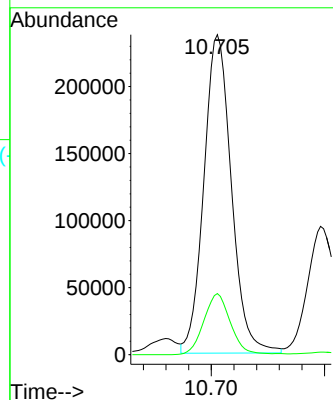
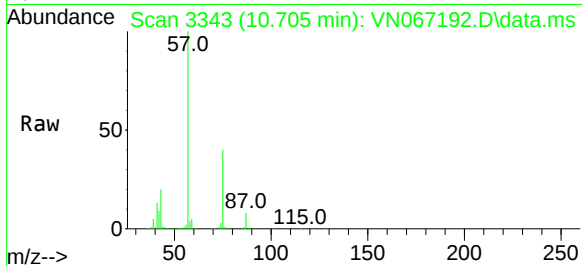




#59
2-Hexanone
Concen: 124.86 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.005 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

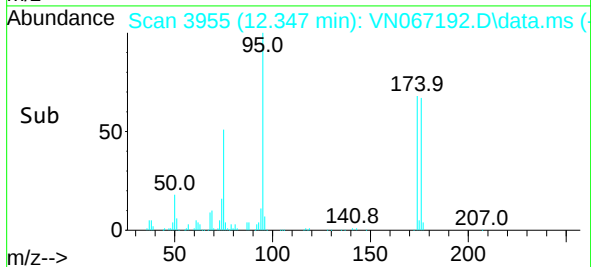
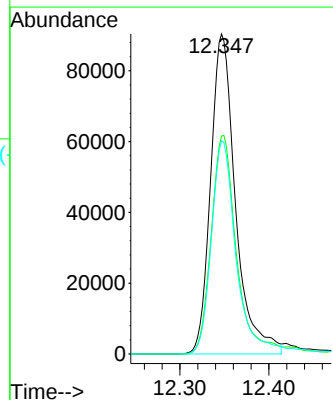
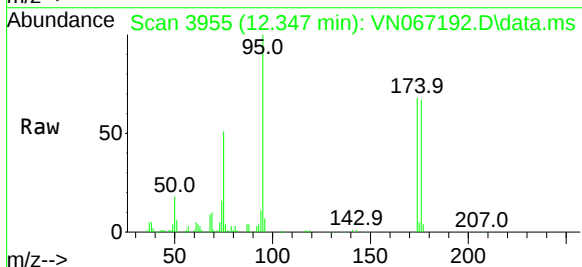
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

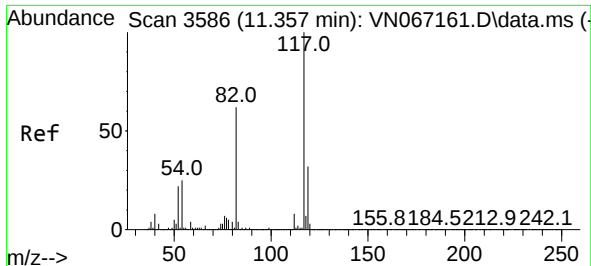
Tgt Ion: 43 Resp: 400620
Ion Ratio Lower Upper
43 100
58 18.6 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 50.53 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. -0.008 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 95 Resp: 175582
Ion Ratio Lower Upper
95 100
174 70.9 0.0 182.8
176 67.6 0.0 176.6

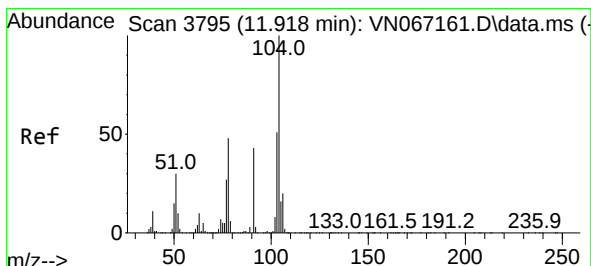
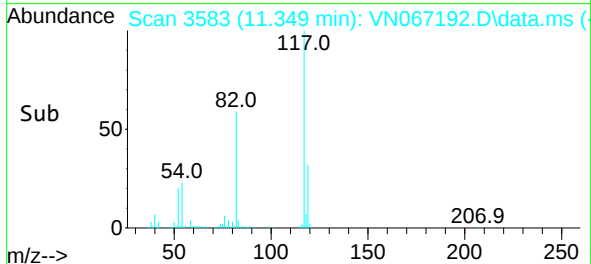
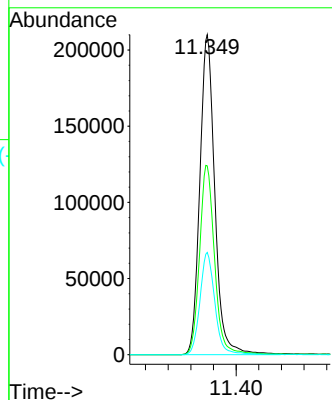
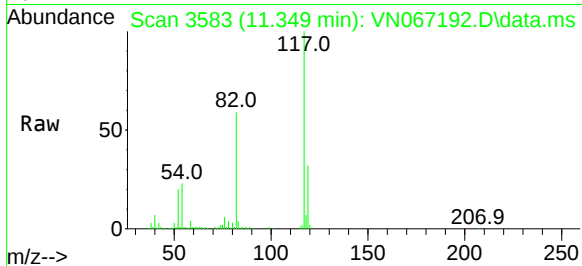




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3583
Delta R.T. -0.008 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

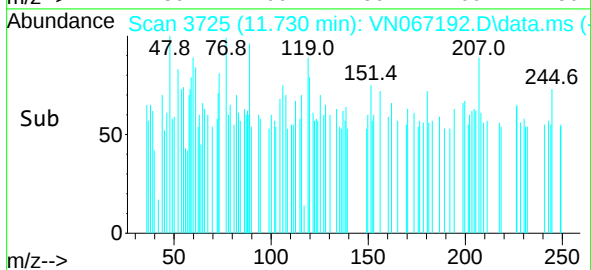
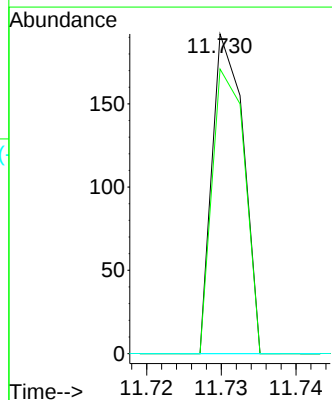
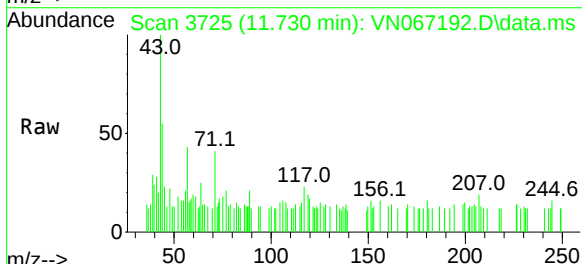
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

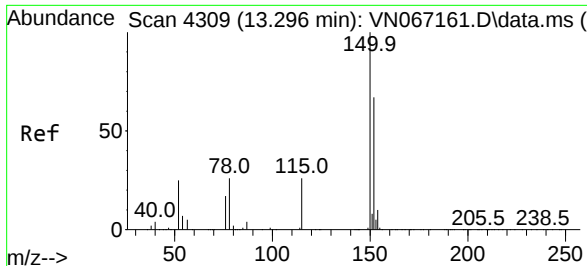
Tgt Ion:	117	Resp:	385851
Ion	Ratio	Lower	Upper
117	100		
82	59.0	42.2	63.2
119	31.9	25.8	38.6



#70
Styrene
Concen: 2.51 ug/l
RT: 11.730 min Scan# 3725
Delta R.T. -0.188 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion:	104	Resp:	56
Ion	Ratio	Lower	Upper
104	100		
78	92.9	37.7	56.5#
103	0.0	44.2	66.4#

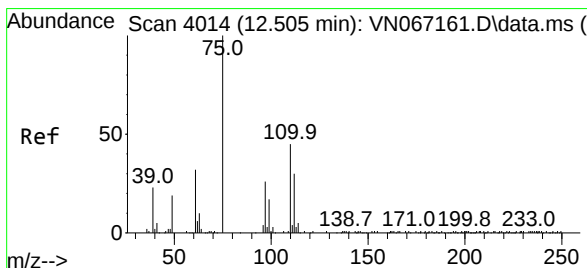
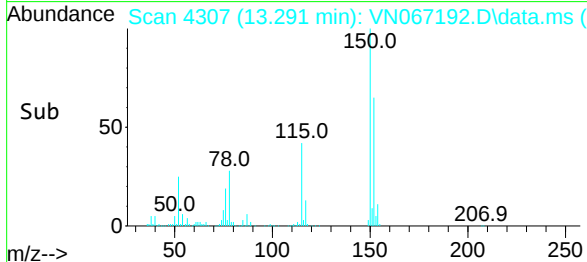
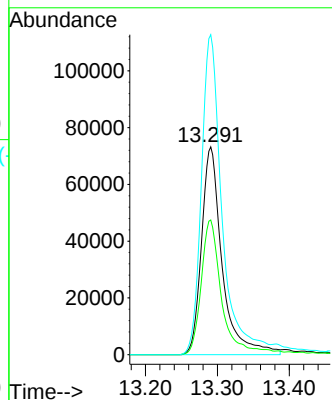
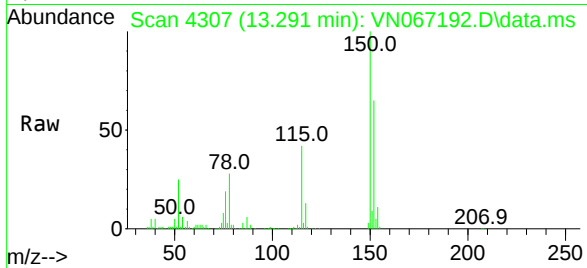




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4307
Delta R.T. -0.005 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

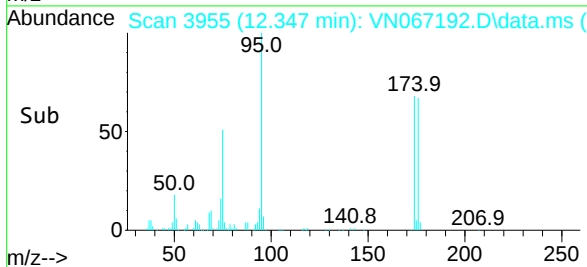
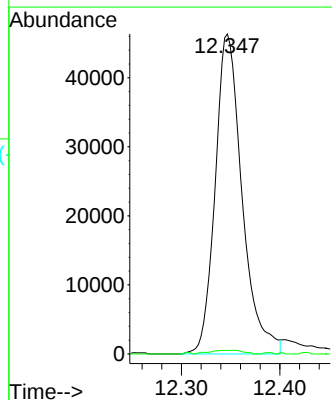
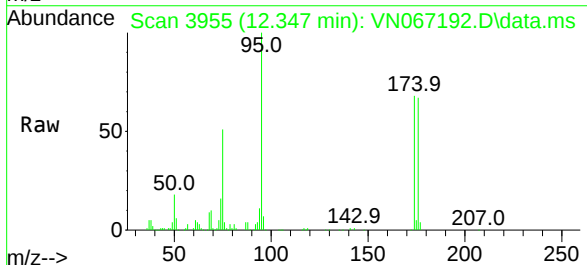
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

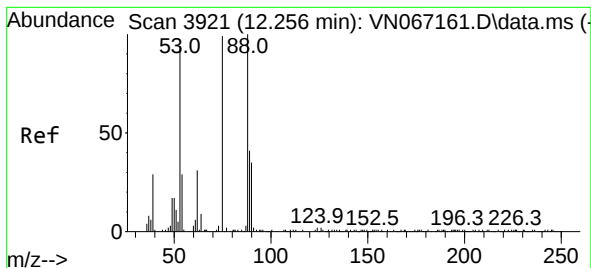
Tgt Ion:152 Resp: 147279
Ion Ratio Lower Upper
152 100
115 63.7 27.0 80.8
150 153.3 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 21.52 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. -0.158 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 75 Resp: 88217
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

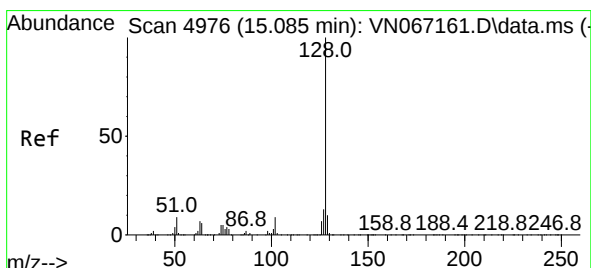
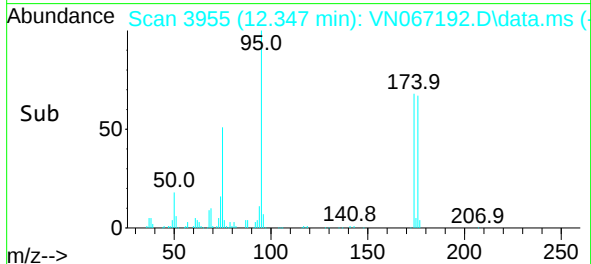
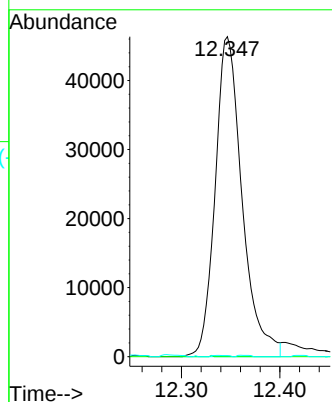
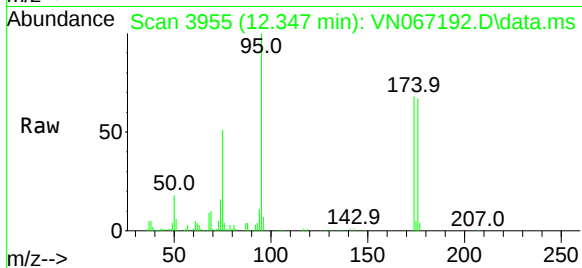




#81
trans-1,4-Dichloro-2-butene
Concen: 61.60 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. 0.091 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#09

Tgt Ion: 75 Resp: 88217
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.2 39.5 59.3#



#95
Naphthalene
Concen: 3.87 ug/l
RT: 15.106 min Scan# 4984
Delta R.T. 0.021 min
Lab File: VN067192.D
Acq: 28 May 2021 18:46

Tgt Ion: 128 Resp: 25
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

