

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067194.D
 Acq On : 28 May 2021 19:32
 Operator : JC/MD
 Sample : PB136697ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB136697ZHE#11

Quant Time: May 29 02:27:09 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)

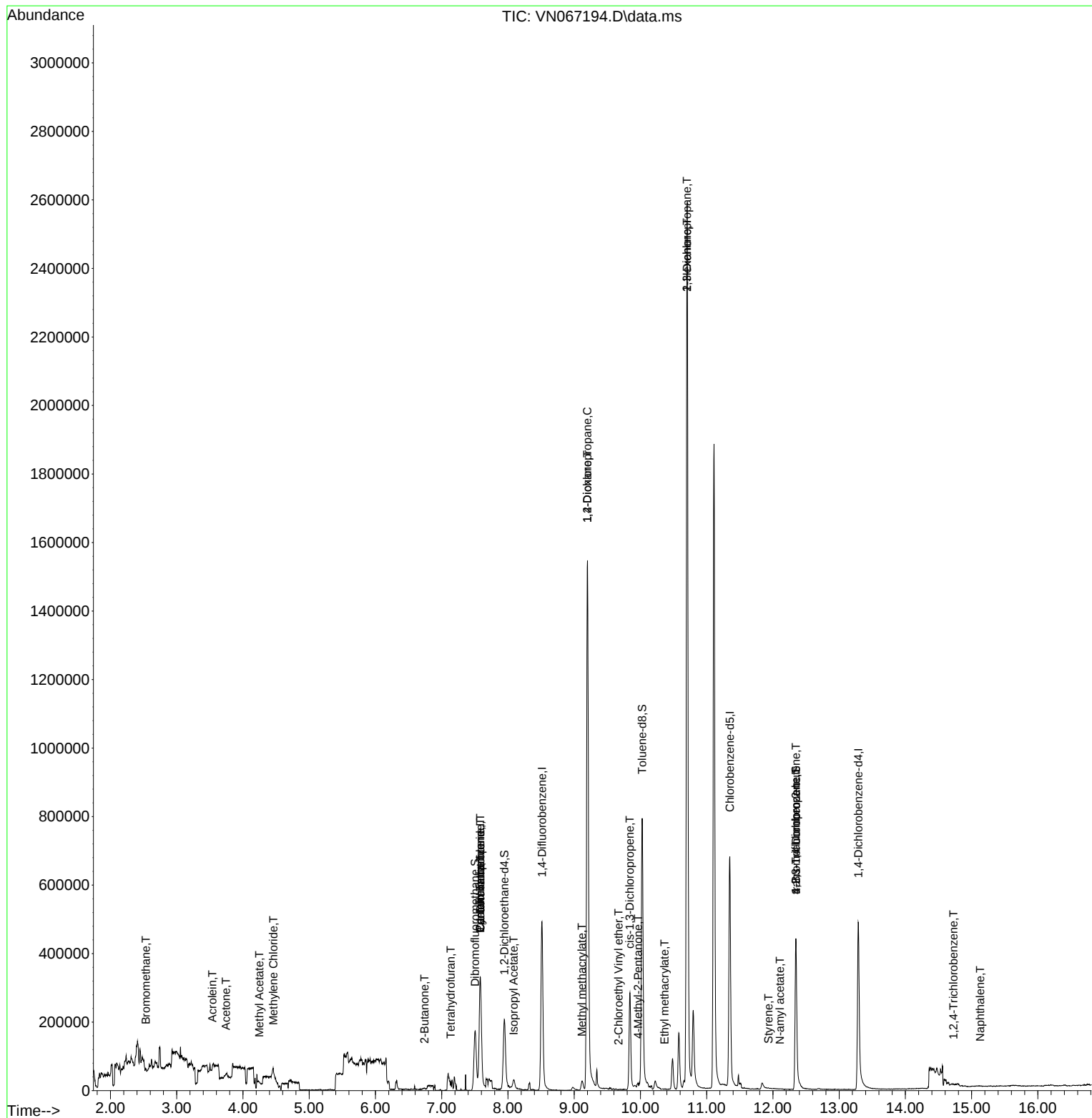
Internal Standards						
1) Pentafluorobenzene	7.584	168	255052	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.514	114	453836	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.349	117	403358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	155773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	182011	45.98	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.96%		
35) Dibromofluoromethane	7.503	113	141660	50.86	ug/l	-0.02
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.72%		
50) Toluene-d8	10.027	98	553294	51.62	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.24%		
62) 4-Bromofluorobenzene	12.347	95	191395	52.23	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.46%		
Target Compounds						Qvalue
5) Bromomethane	2.533	94	551	0.26	ug/l #	72
13) Acrolein	3.539	56	234	0.34	ug/l #	56
16) Acetone	3.743	43	23356	14.35	ug/l	97
18) Methyl Acetate	4.247	43	10250	2.26	ug/l #	80
20) Methylene Chloride	4.459	84	20824	5.21	ug/l	87
25) 2-Butanone	6.741	43	2657	1.03	ug/l #	84
29) Tetrahydrofuran	7.136	42	405	0.24	ug/l	93
31) Cyclohexane	7.581	56	6031	0.98	ug/l #	9
36) 1,1-Dichloropropene	7.581	75	22498	4.90	ug/l #	46
38) Carbon Tetrachloride	7.581	117	27730	6.20	ug/l #	16
43) Isopropyl Acetate	8.088	43	33909	3.86	ug/l #	86
45) 1,2-Dichloropropane	9.198	63	2284	0.60	ug/l #	71
48) Methyl methacrylate	9.118	41	6196	1.59	ug/l #	9
49) 1,4-Dioxane	9.198	88	421	67.66	ug/l #	1
51) 4-Methyl-2-Pentanone	9.965	43	6389	1.31	ug/l #	33
54) cis-1,3-Dichloropropene	9.842	75	55599	9.55	ug/l #	63
56) Ethyl methacrylate	10.365	69	269	2.83	ug/l #	1
57) 1,3-Dichloropropane	10.703	76	28286	4.99	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.670	63	52	6.77	ug/l #	1
59) 2-Hexanone	10.705	43	396363	118.31	ug/l #	46
70) Styrene	11.934	104	51	2.51	ug/l #	26
74) N-amyl acetate	12.105	43	667	0.23	ug/l #	47
76) 1,2,3-Trichloropropane	12.347	75	93463	21.55	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.347	75	93463	61.69	ug/l #	16
93) 1,2,4-Trichlorobenzene	14.726	180	27	3.27	ug/l #	1
95) Naphthalene	15.131	128	81	3.87	ug/l #	69

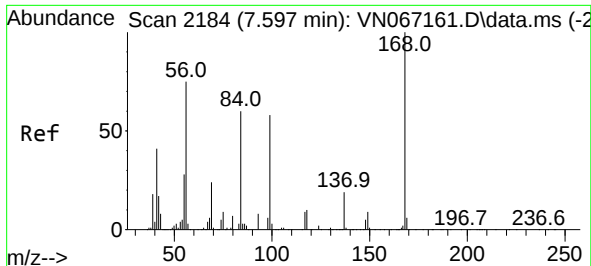
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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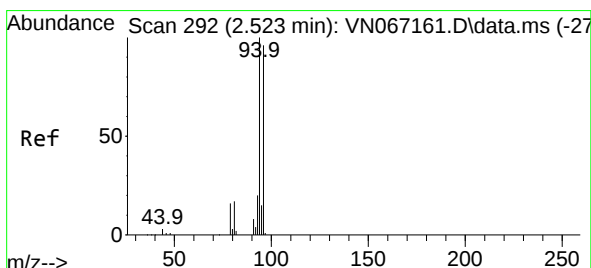
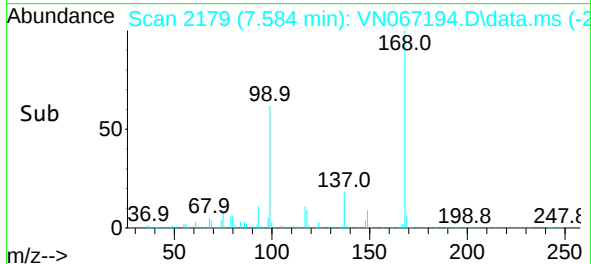
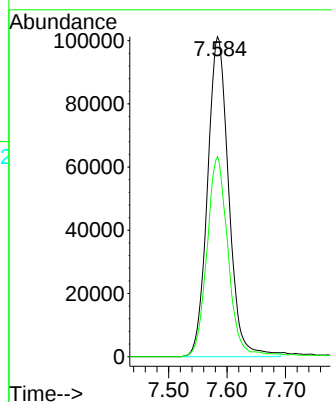
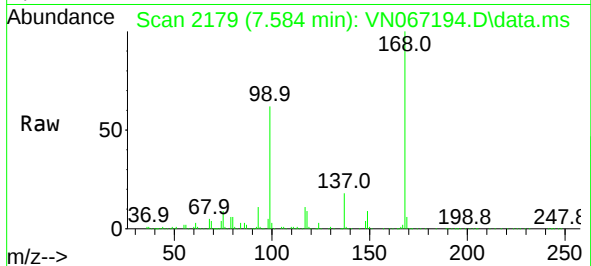




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2179
Delta R.T. -0.013 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

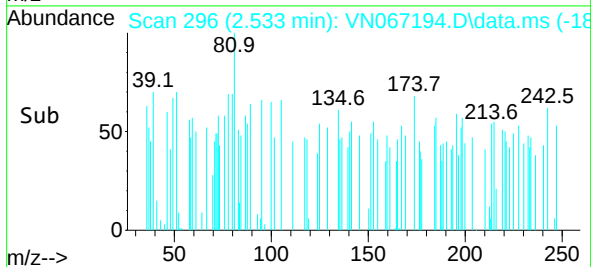
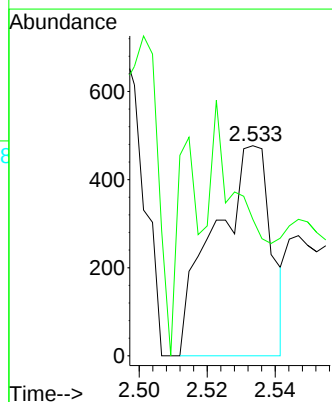
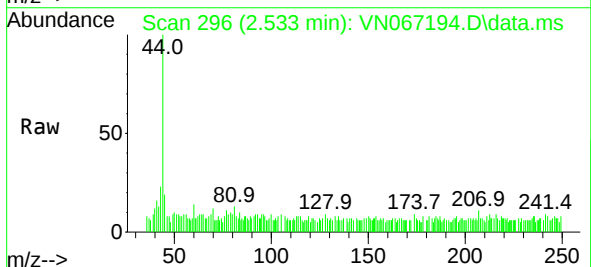
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

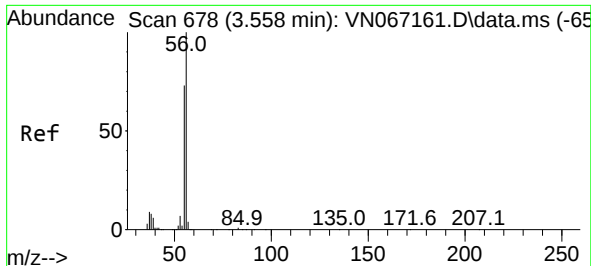
Tgt Ion:168 Resp: 255052
Ion Ratio Lower Upper
168 100
99 62.5 38.5 57.7#



#5
Bromomethane
Concen: 0.26 ug/l
RT: 2.533 min Scan# 296
Delta R.T. 0.010 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 94 Resp: 551
Ion Ratio Lower Upper
94 100
96 66.5 74.4 111.6#

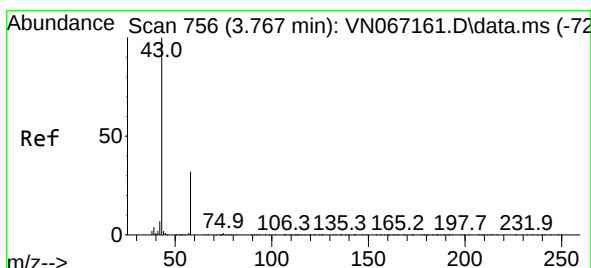
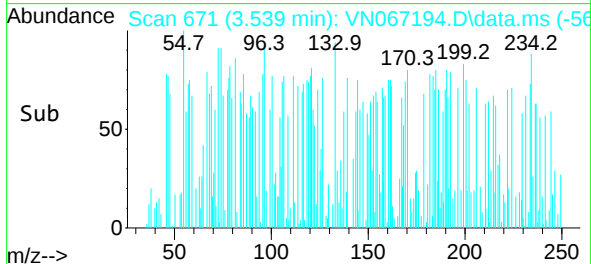
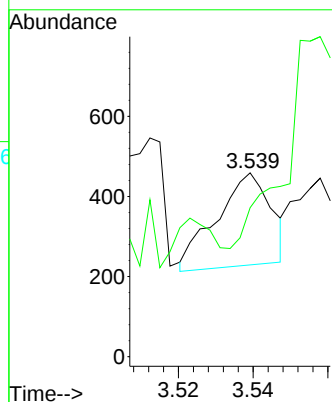
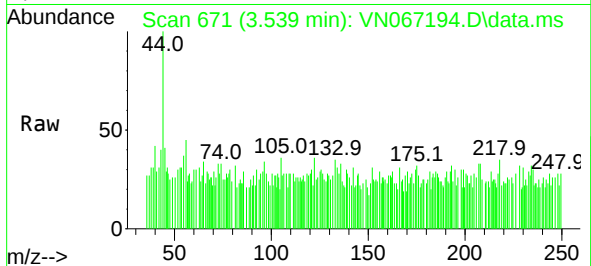




#13
Acrolein
Concen: 0.34 ug/l
RT: 3.539 min Scan# 671
Delta R.T. -0.019 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

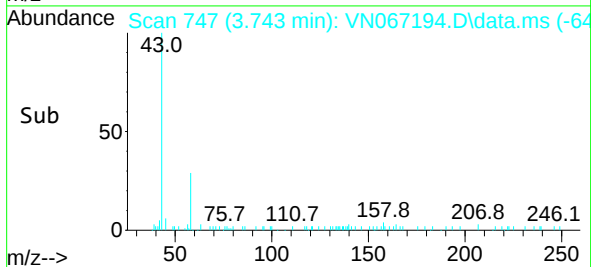
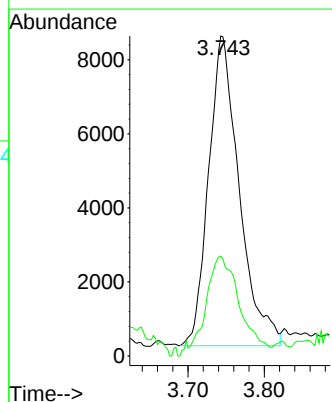
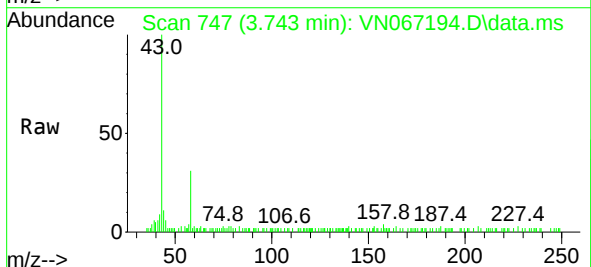
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

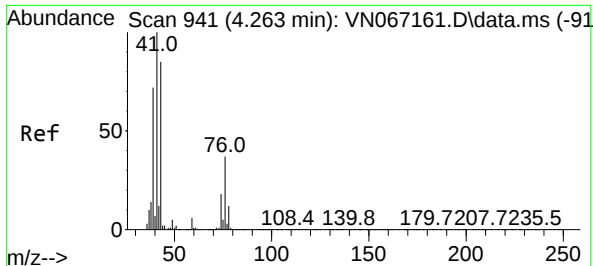
Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 31.6 53.8 80.6#



#16
Acetone
Concen: 14.35 ug/l
RT: 3.743 min Scan# 747
Delta R.T. -0.024 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 43 Resp: 23356
Ion Ratio Lower Upper
43 100
58 32.2 27.2 40.8

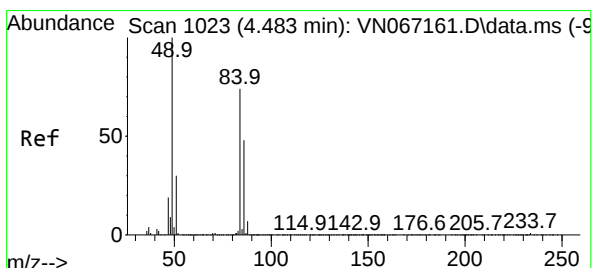
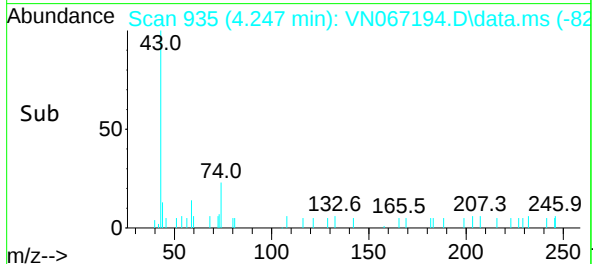
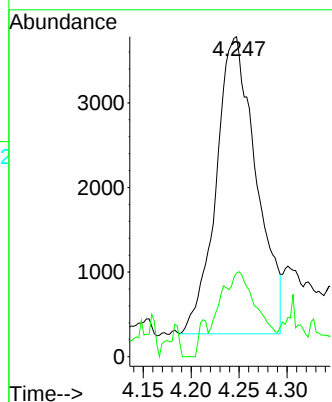
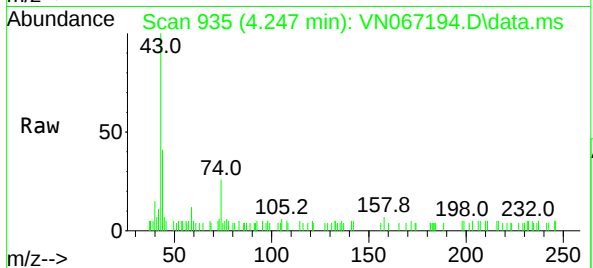




#18
Methyl Acetate
Concen: 2.26 ug/l
RT: 4.247 min Scan# 935
Delta R.T. -0.016 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

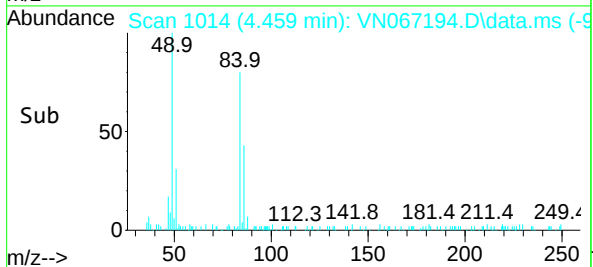
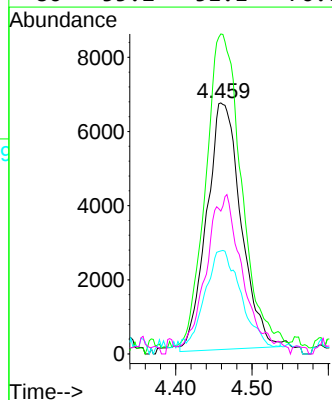
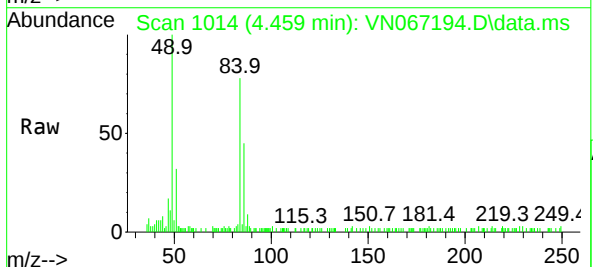
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

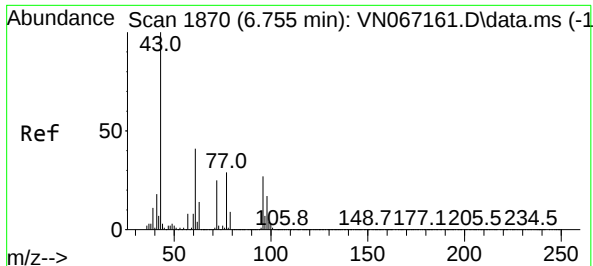
Tgt Ion: 43 Resp: 10250
Ion Ratio Lower Upper
43 100
74 16.3 21.4 32.2#



#20
Methylene Chloride
Concen: 5.21 ug/l
RT: 4.459 min Scan# 1014
Delta R.T. -0.024 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 84 Resp: 20824
Ion Ratio Lower Upper
84 100
49 127.0 88.3 132.5
51 39.2 26.7 40.1
86 55.2 51.1 76.7

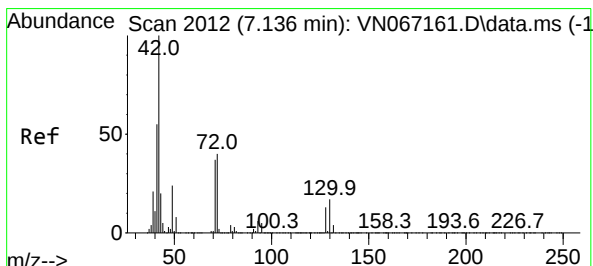
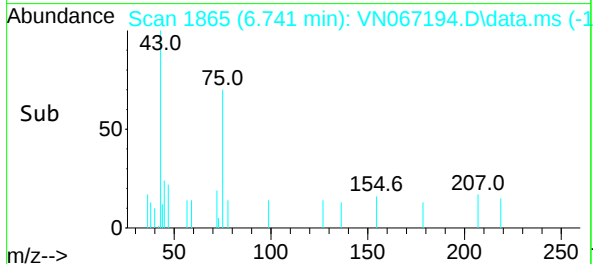
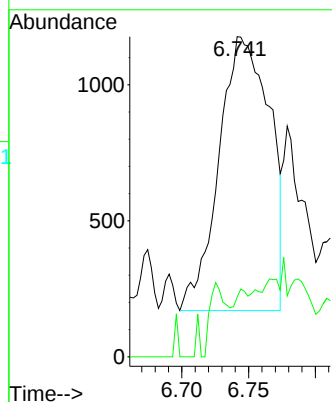
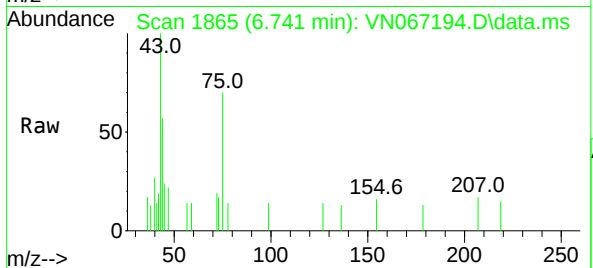




#25
2-Butanone
Concen: 1.03 ug/l
RT: 6.741 min Scan# 1865
Delta R.T. -0.014 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

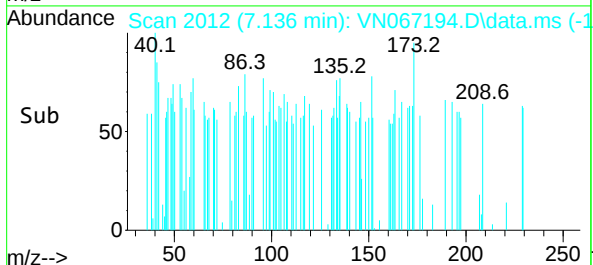
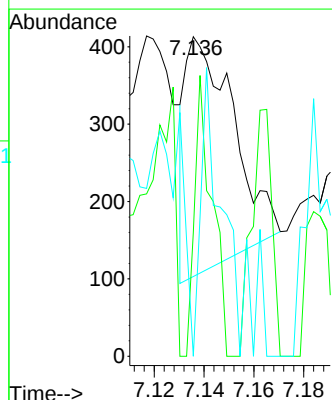
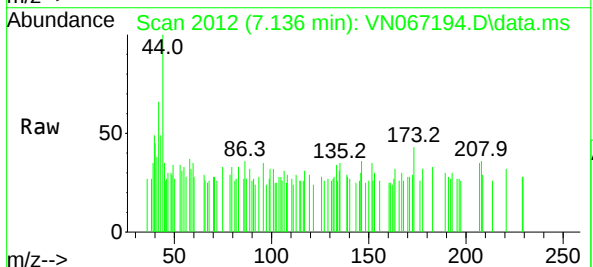
Instrument :
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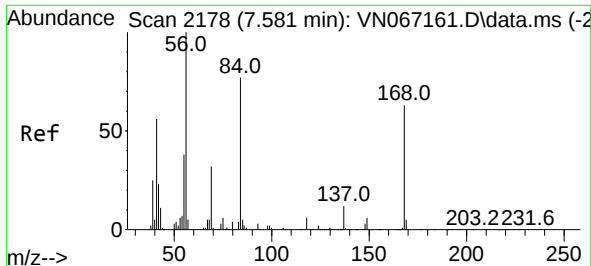
Tgt Ion: 43 Resp: 2657
Ion Ratio Lower Upper
43 100
72 21.7 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.24 ug/l
RT: 7.136 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 43.7 40.1 60.1
71 51.1 37.9 56.9

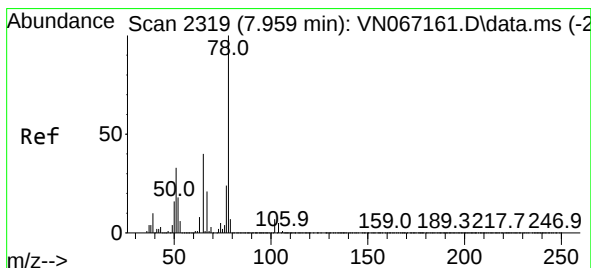
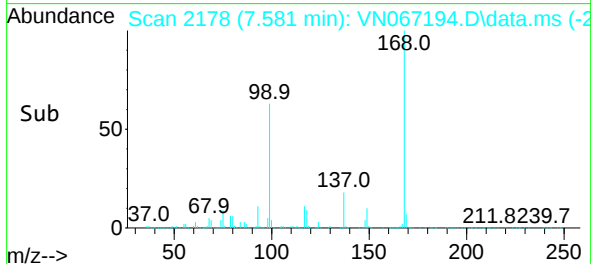
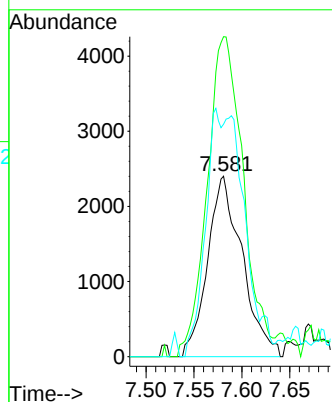
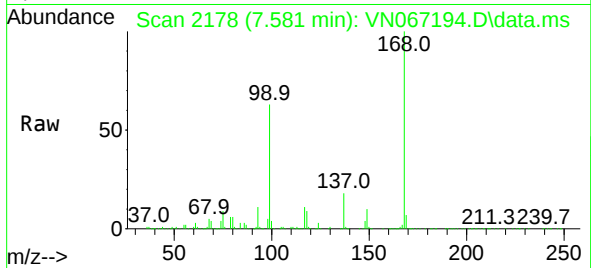




#31
Cyclohexane
Concen: 0.98 ug/l
RT: 7.581 min Scan# 2178
Delta R.T. -0.000 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

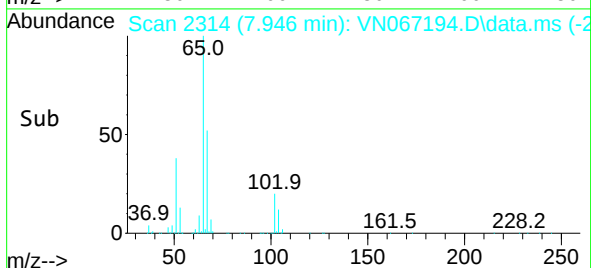
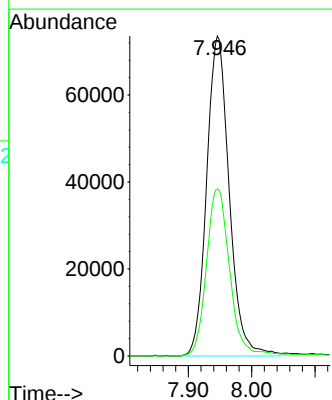
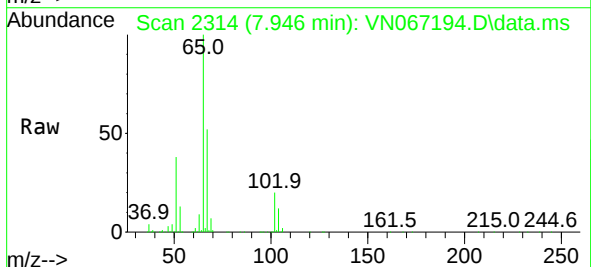
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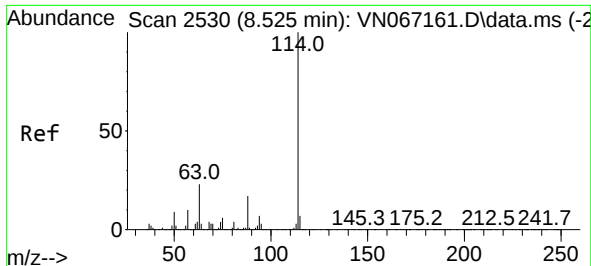
Tgt Ion: 56 Resp: 6031
Ion Ratio Lower Upper
56 100
69 170.7 28.0 42.0#
84 128.9 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 45.98 ug/l
RT: 7.946 min Scan# 2314
Delta R.T. -0.013 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 65 Resp: 182011
Ion Ratio Lower Upper
65 100
67 53.7 0.0 110.4

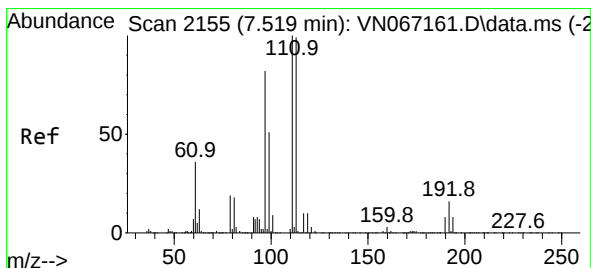
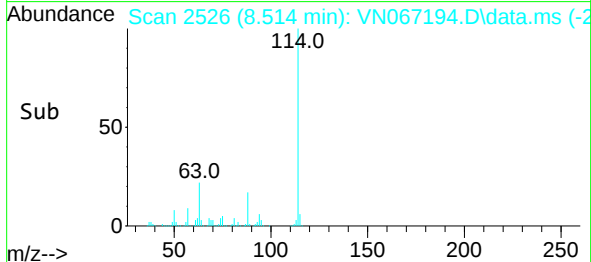
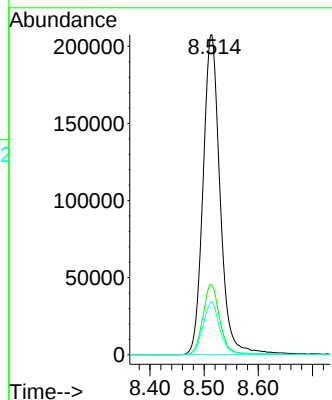
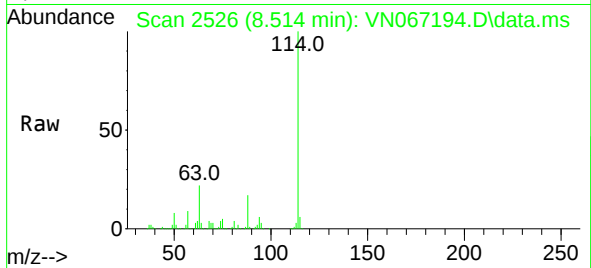




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.514 min Scan# 2526
Delta R.T. -0.011 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

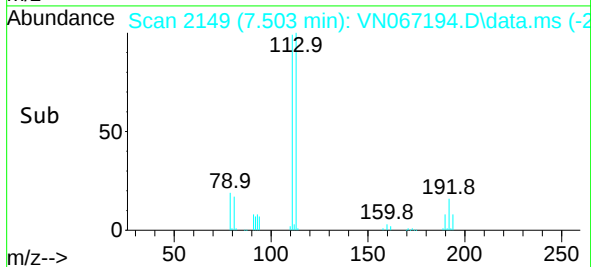
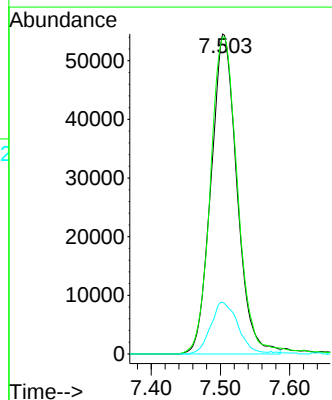
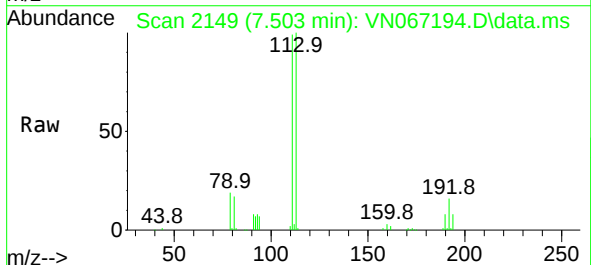
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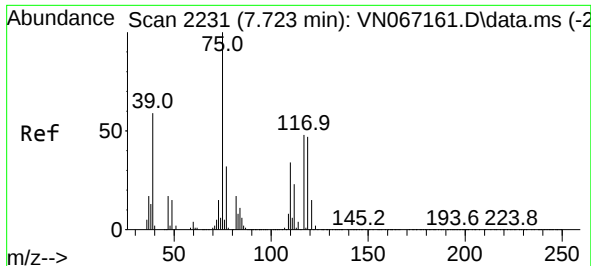
Tgt Ion:114 Resp: 453836
Ion Ratio Lower Upper
114 100
63 21.8 0.0 35.8
88 16.6 0.0 30.4



#35
Dibromofluoromethane
Concen: 50.86 ug/l
RT: 7.503 min Scan# 2149
Delta R.T. -0.016 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion:113 Resp: 141660
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 16.9 18.2 27.4#

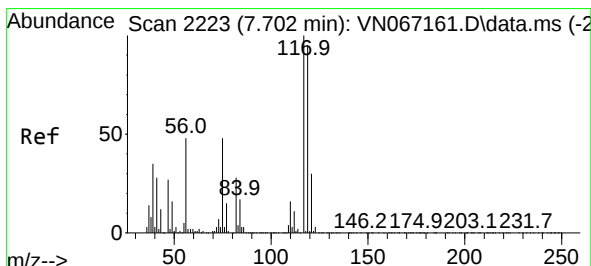
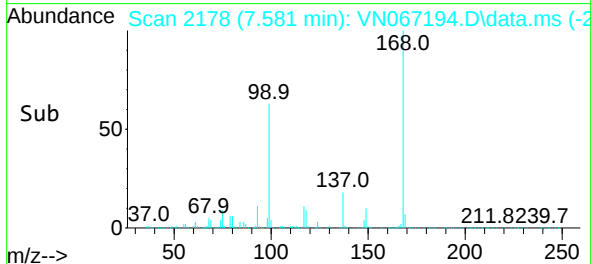
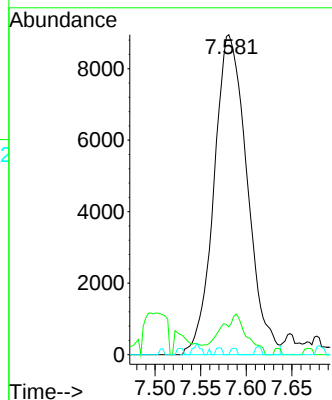
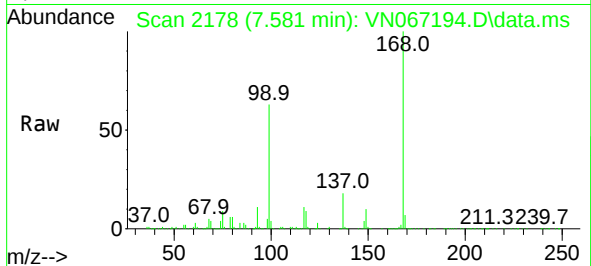




#36
 1,1-Dichloropropene
 Concen: 4.90 ug/l
 RT: 7.581 min Scan# 2178
 Delta R.T. -0.142 min
 Lab File: VN067194.D
 Acq: 28 May 2021 19:32

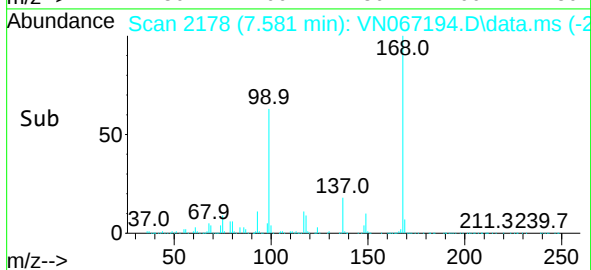
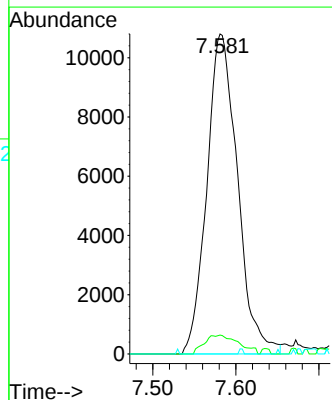
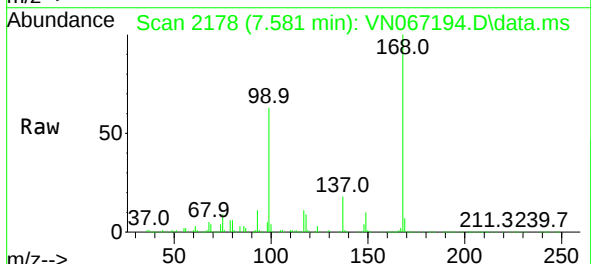
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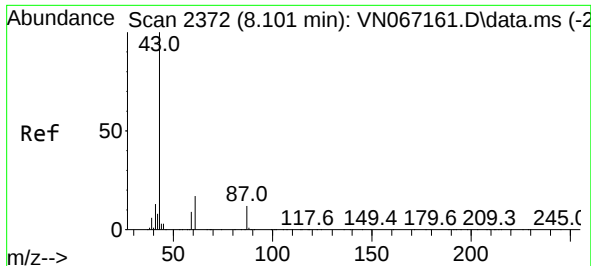
Tgt Ion: 75 Resp: 22498
 Ion Ratio Lower Upper
 75 100
 110 6.0 19.1 57.3#
 77 0.4 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.20 ug/l
 RT: 7.581 min Scan# 2178
 Delta R.T. -0.121 min
 Lab File: VN067194.D
 Acq: 28 May 2021 19:32

Tgt Ion: 117 Resp: 27730
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.2 117.2#
 121 0.0 24.7 37.1#

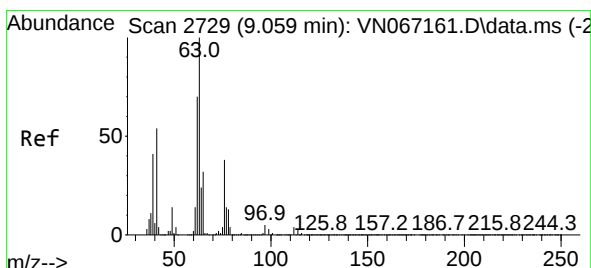
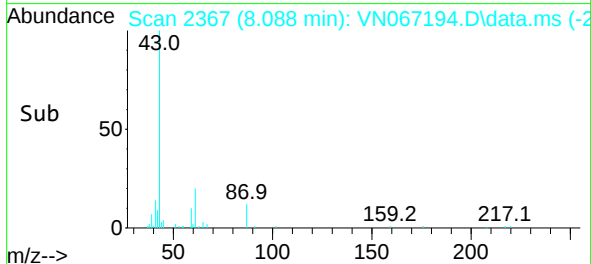
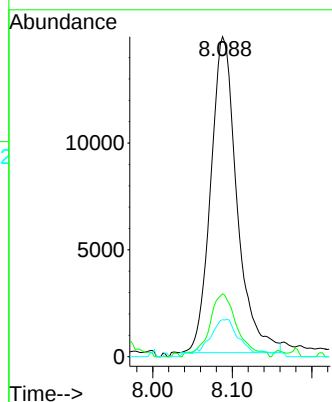
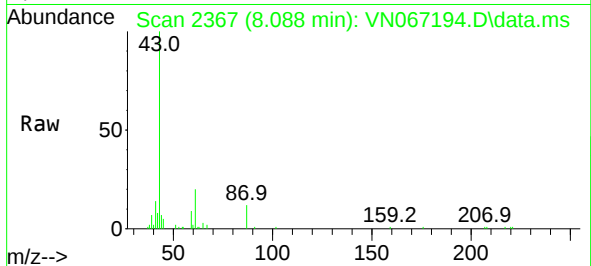




#43
Isopropyl Acetate
Concen: 3.86 ug/l
RT: 8.088 min Scan# 2367
Delta R.T. -0.013 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

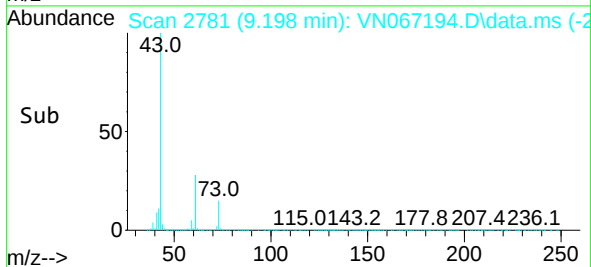
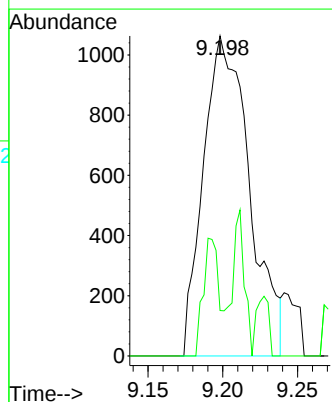
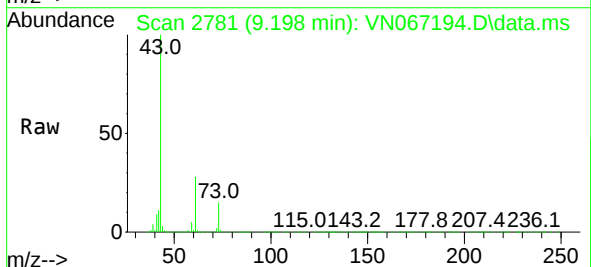
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

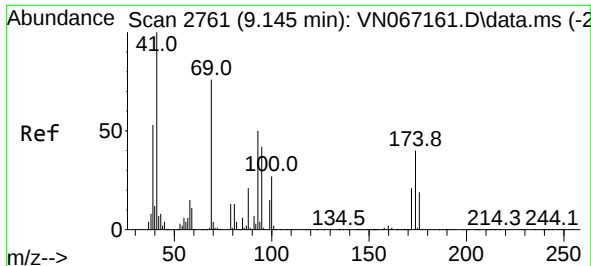
Tgt Ion: 43 Resp: 33909
Ion Ratio Lower Upper
43 100
61 21.0 23.4 35.0#
87 11.0 12.2 18.2#



#45
1,2-Dichloropropane
Concen: 0.60 ug/l
RT: 9.198 min Scan# 2781
Delta R.T. 0.139 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 63 Resp: 2284
Ion Ratio Lower Upper
63 100
65 14.2 23.9 35.9#

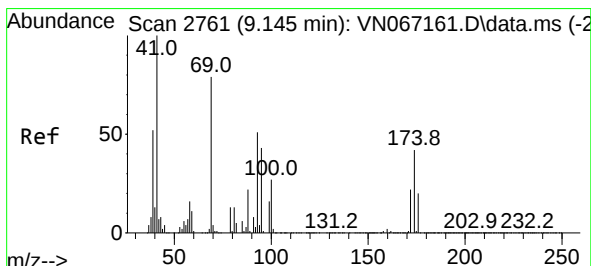
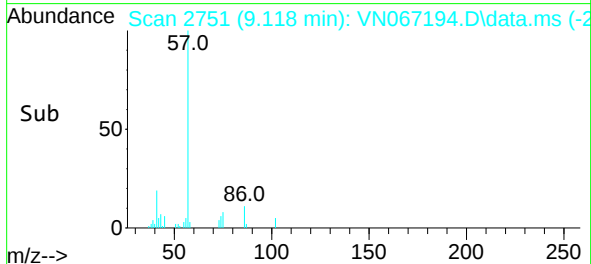
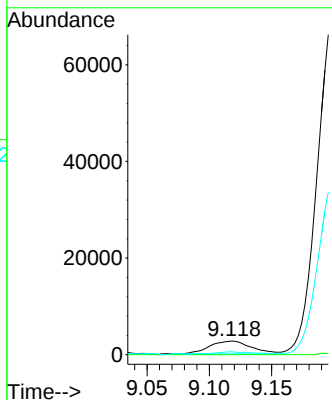
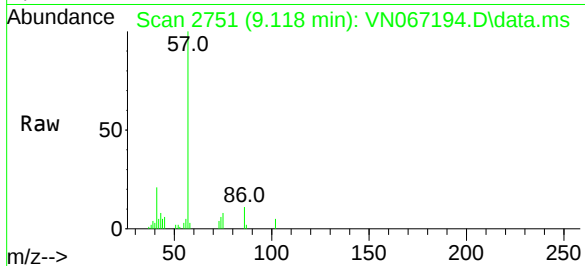




#48
Methyl methacrylate
Concen: 1.59 ug/l
RT: 9.118 min Scan# 2751
Delta R.T. -0.027 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

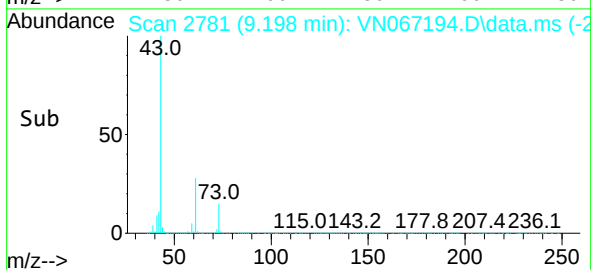
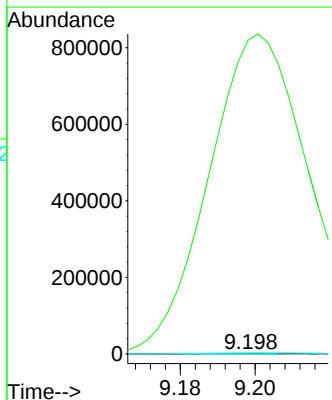
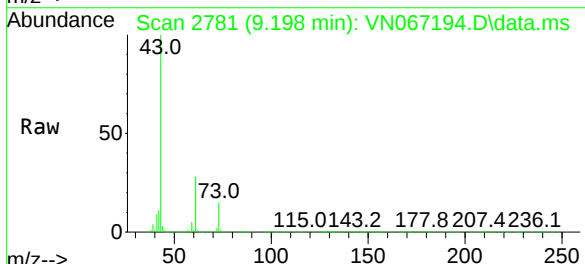
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

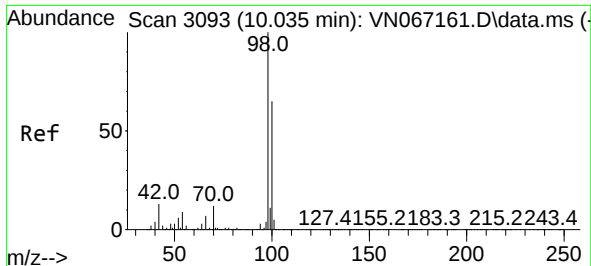
Tgt Ion: 41 Resp: 6196
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#49
1,4-Dioxane
Concen: 67.66 ug/l
RT: 9.198 min Scan# 2781
Delta R.T. 0.053 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 88 Resp: 421
Ion Ratio Lower Upper
88 100
43 400334.7 21.8 32.8#
58 1532.1 50.8 76.2#

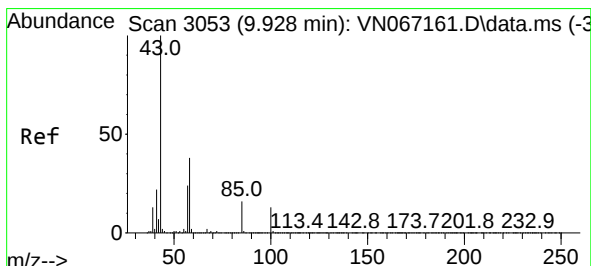
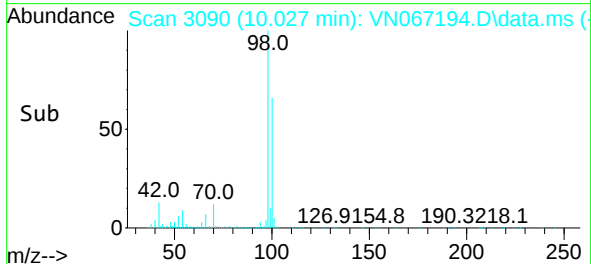
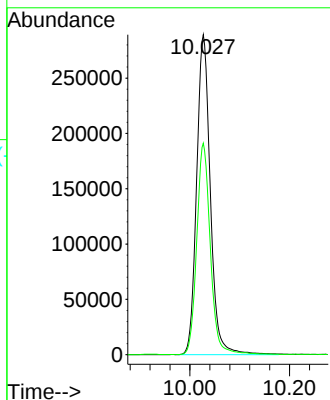
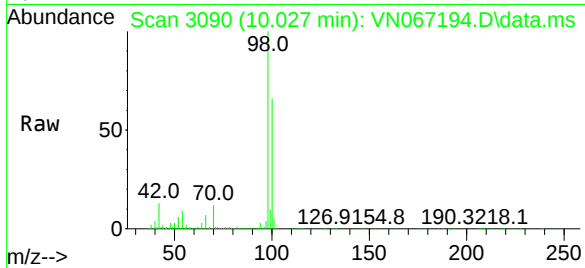




#50
Toluene-d8
Concen: 51.62 ug/l
RT: 10.027 min Scan# 3090
Delta R.T. -0.008 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

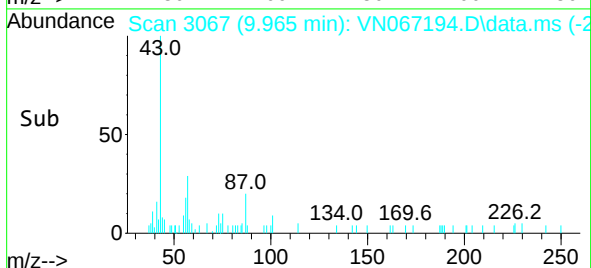
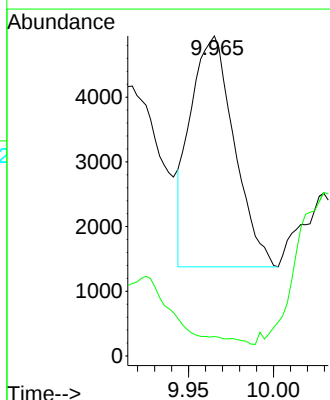
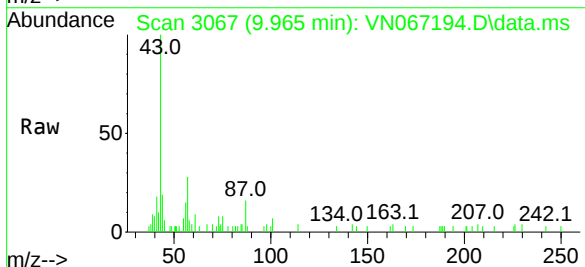
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

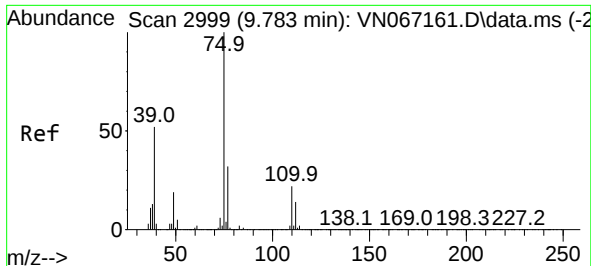
Tgt Ion: 98 Resp: 553294
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.31 ug/l
RT: 9.965 min Scan# 3067
Delta R.T. 0.037 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 43 Resp: 6389
Ion Ratio Lower Upper
43 100
58 0.0 34.5 51.7#

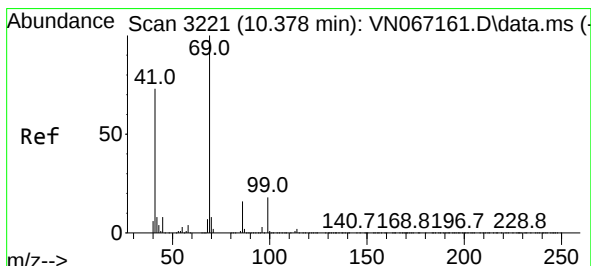
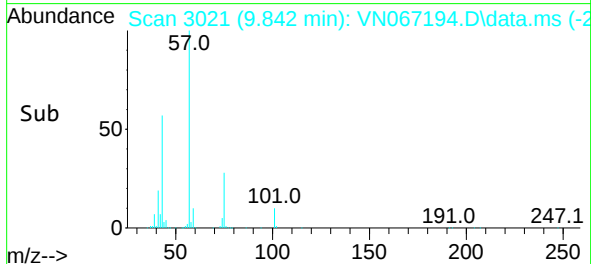
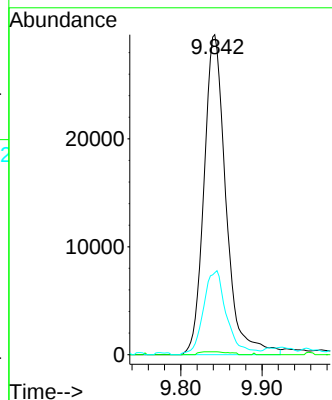
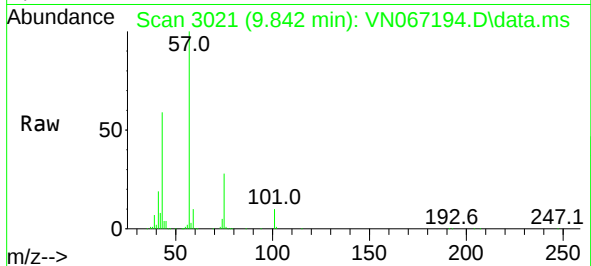




#54
 cis-1,3-Dichloropropene
 Concen: 9.55 ug/l
 RT: 9.842 min Scan# 3021
 Delta R.T. 0.059 min
 Lab File: VN067194.D
 Acq: 28 May 2021 19:32

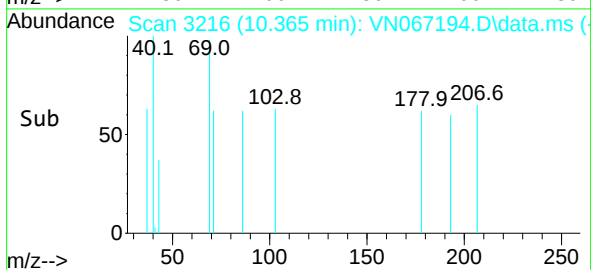
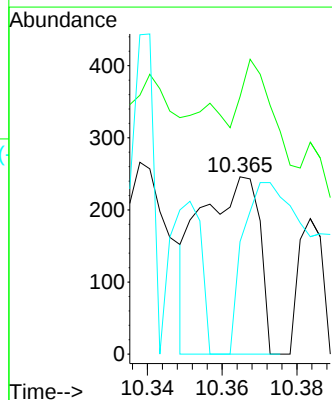
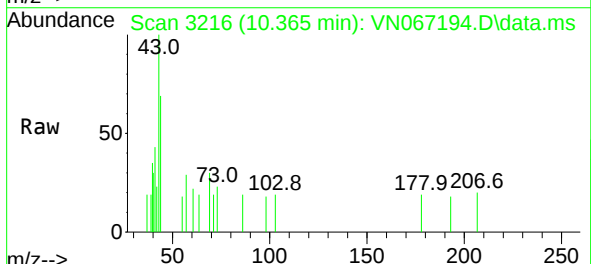
Instrument :
 MSVOA_N
 ClientSampleId :
 PB136697ZHE#11

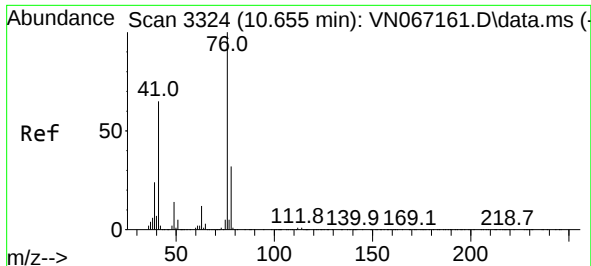
Tgt Ion:	75	Resp:	55599
Ion	Ratio	Lower	Upper
75	100		
77	0.9	25.1	37.7#
39	25.6	30.9	46.3#



#56
 Ethyl methacrylate
 Concen: 2.83 ug/l
 RT: 10.365 min Scan# 3216
 Delta R.T. -0.013 min
 Lab File: VN067194.D
 Acq: 28 May 2021 19:32

Tgt Ion:	69	Resp:	269
Ion	Ratio	Lower	Upper
69	100		
41	0.0	45.5	68.3#
39	115.6	22.9	34.3#

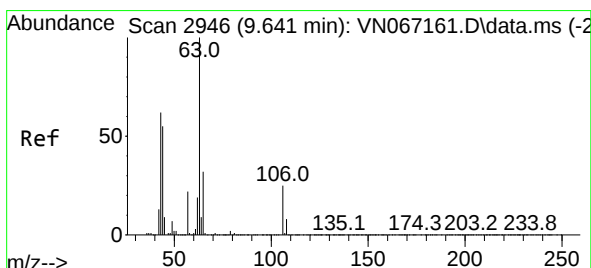
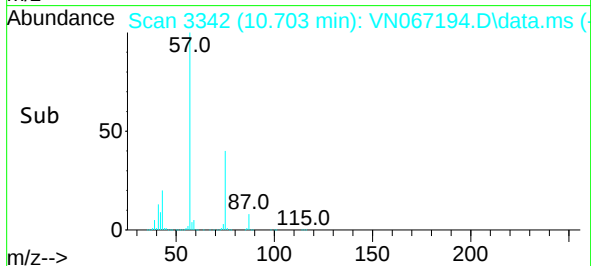
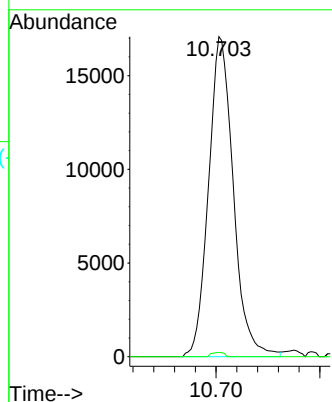
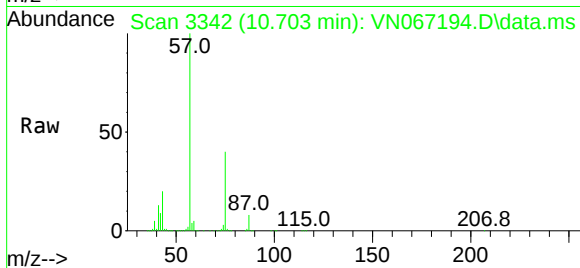




#57
1,3-Dichloropropane
Concen: 4.99 ug/l
RT: 10.703 min Scan# 3342
Delta R.T. 0.048 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

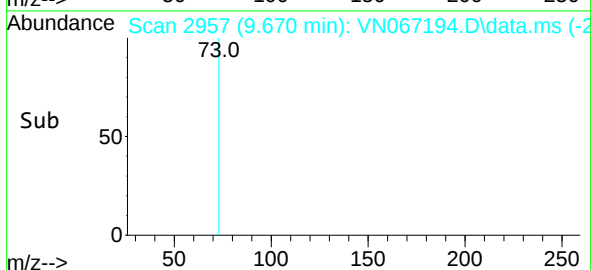
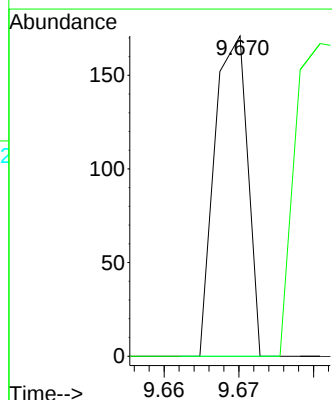
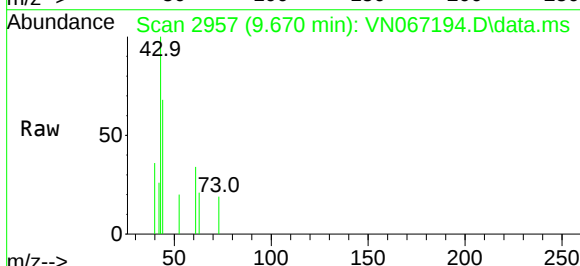
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

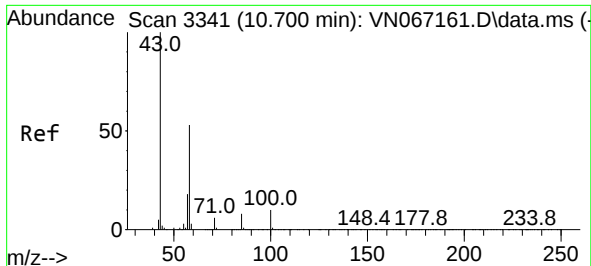
Tgt Ion: 76 Resp: 28286
Ion Ratio Lower Upper
76 100
78 0.7 26.3 39.5#



#58
2-Chloroethyl Vinyl ether
Concen: 6.77 ug/l
RT: 9.670 min Scan# 2957
Delta R.T. 0.029 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 150.0 23.9 35.9#

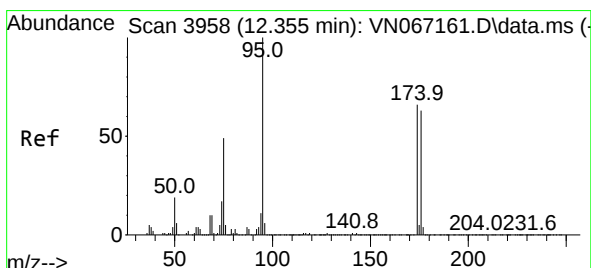
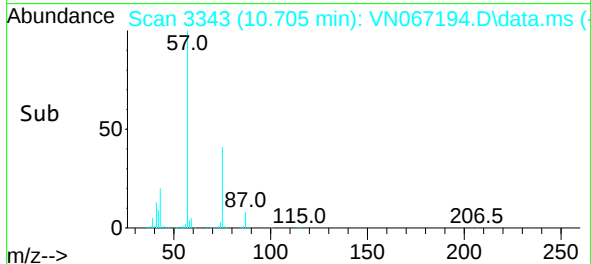
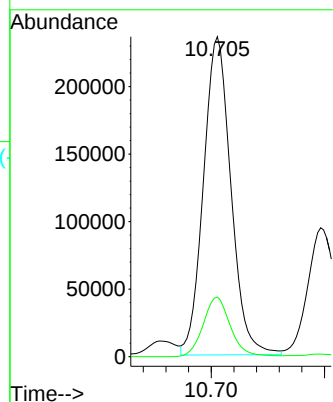
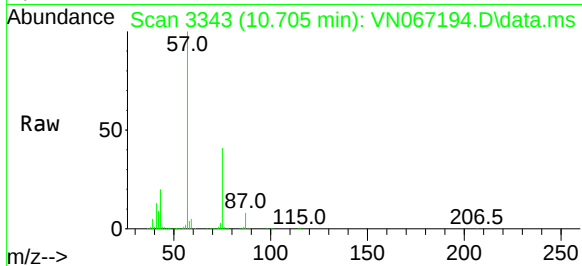




#59
2-Hexanone
Concen: 118.31 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.005 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

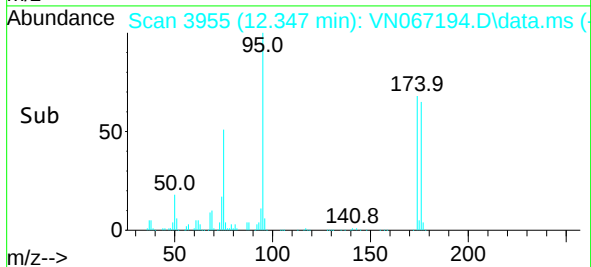
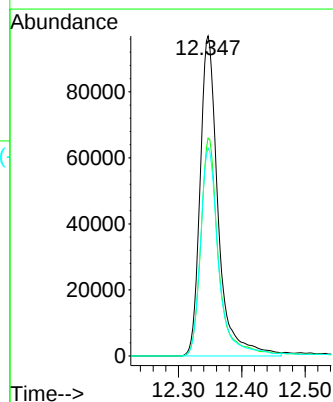
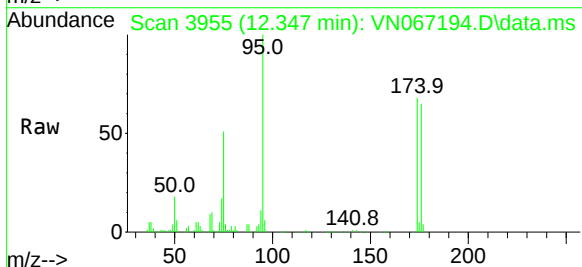
Instrument :
MSVOA_N
ClientSampleId :
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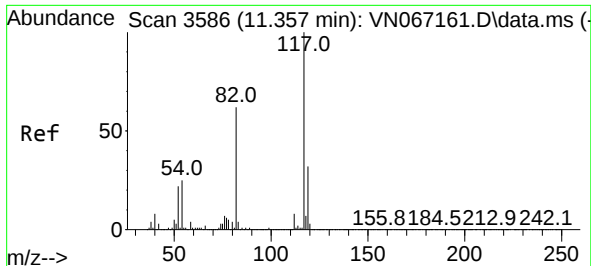
Tgt Ion: 43 Resp: 396363
Ion Ratio Lower Upper
43 100
58 18.7 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 52.23 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. -0.008 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 95 Resp: 191395
Ion Ratio Lower Upper
95 100
174 67.4 0.0 182.8
176 65.8 0.0 176.6

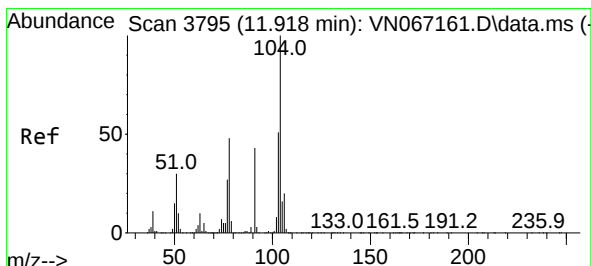
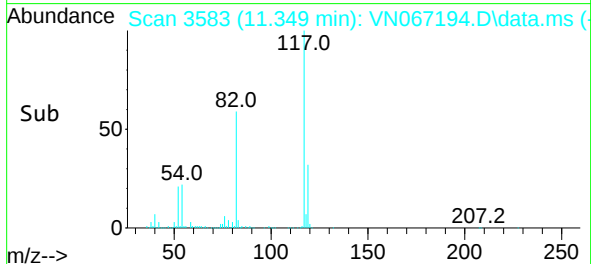
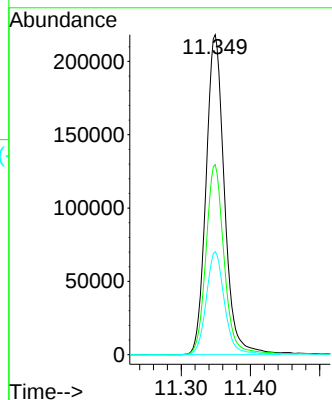
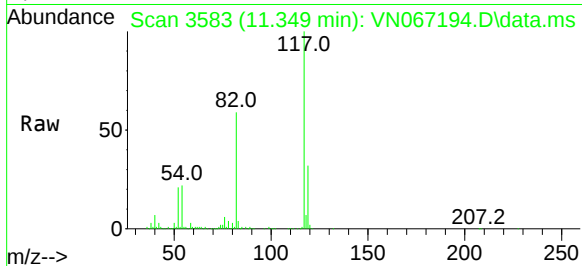




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3583
Delta R.T. -0.008 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

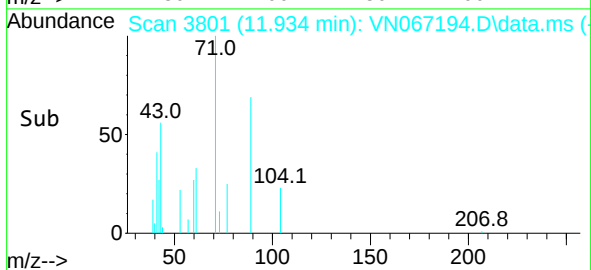
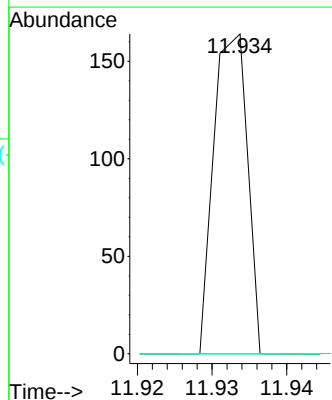
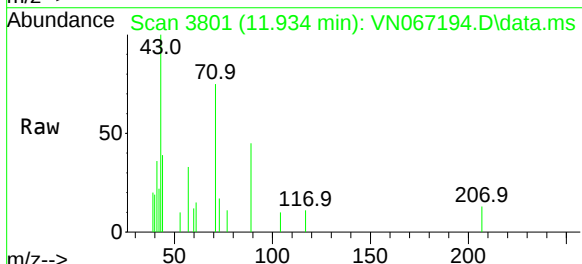
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

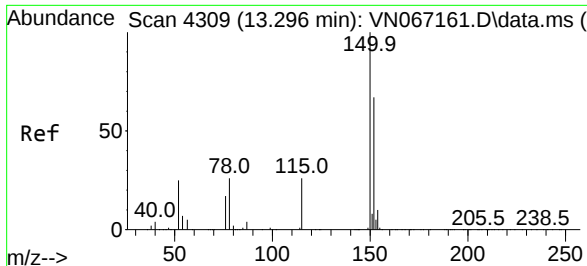
Tgt Ion:	117	Resp:	403358
Ion	Ratio	Lower	Upper
117	100		
82	59.4	42.2	63.2
119	32.1	25.8	38.6



#70
Styrene
Concen: 2.51 ug/l
RT: 11.934 min Scan# 3801
Delta R.T. 0.016 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion:	104	Resp:	51
Ion	Ratio	Lower	Upper
104	100		
78	0.0	37.7	56.5#
103	0.0	44.2	66.4#

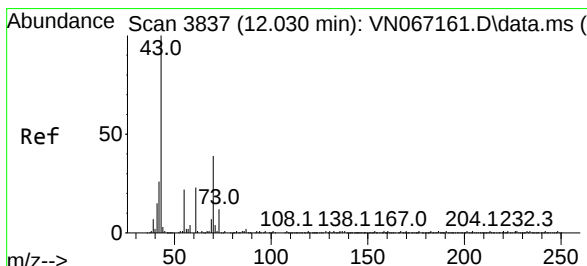
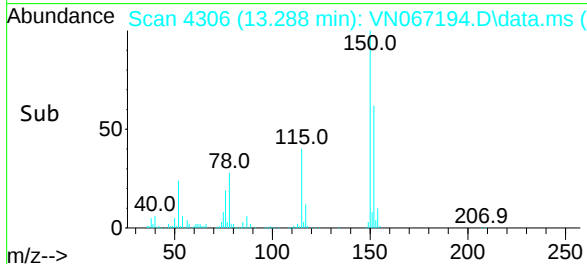
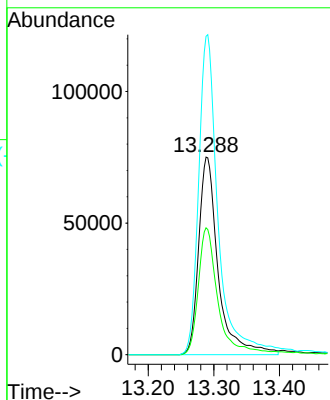
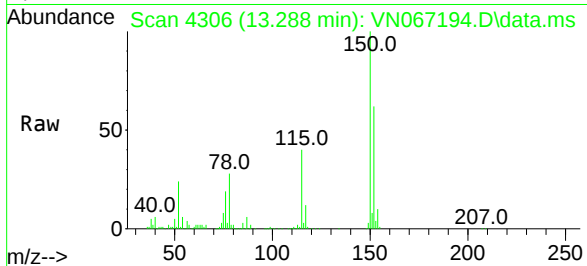




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4306
Delta R.T. -0.008 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

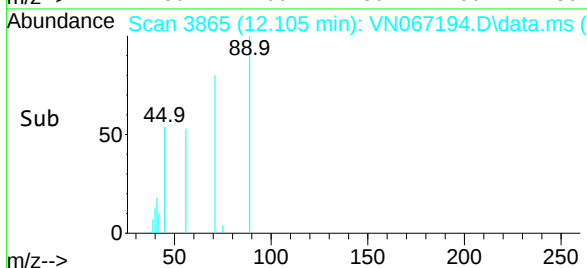
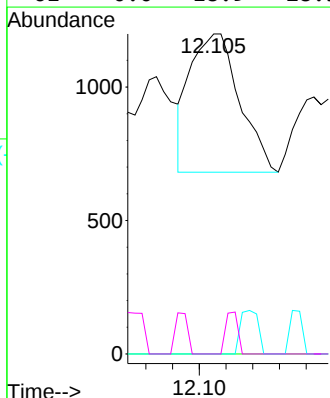
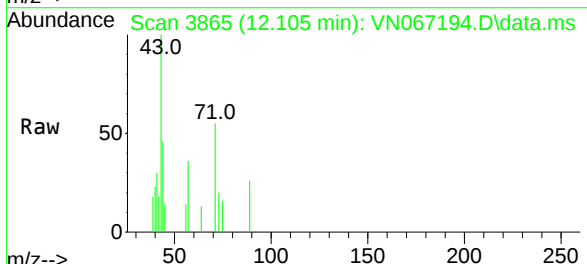
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

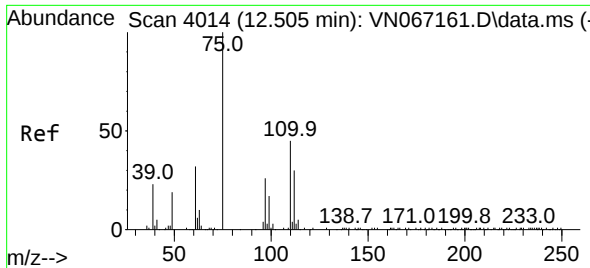
Tgt Ion:152 Resp: 155773
Ion Ratio Lower Upper
152 100
115 64.1 27.0 80.8
150 162.7 0.0 350.2



#74
N-ethyl acetate
Concen: 0.23 ug/l
RT: 12.105 min Scan# 3865
Delta R.T. 0.075 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
70 0.0 36.7 55.1#
55 11.4 17.6 26.4#
61 0.0 18.9 28.3#

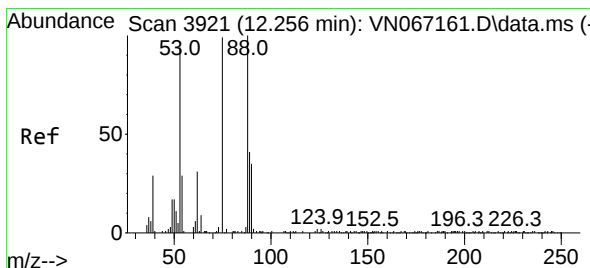
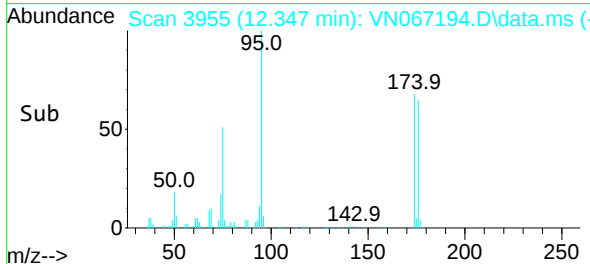
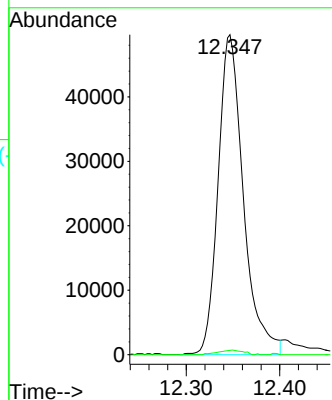
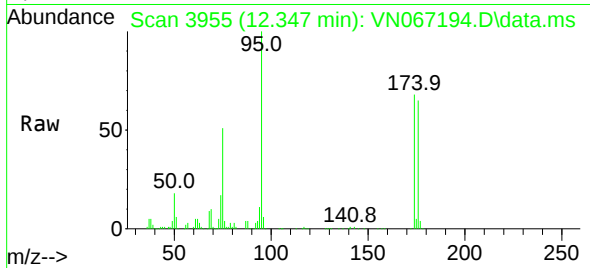




#76
1,2,3-Trichloropropane
Concen: 21.55 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. -0.158 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

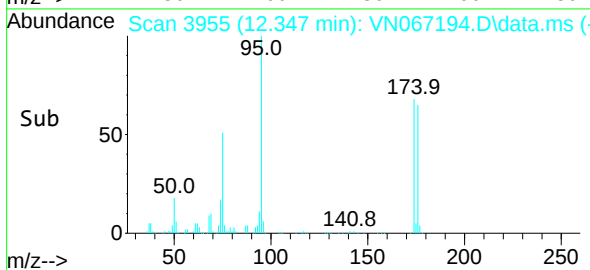
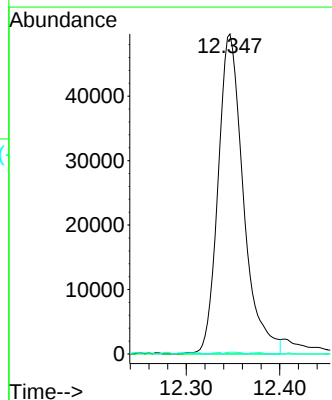
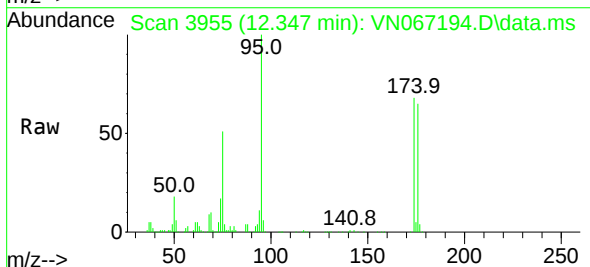
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

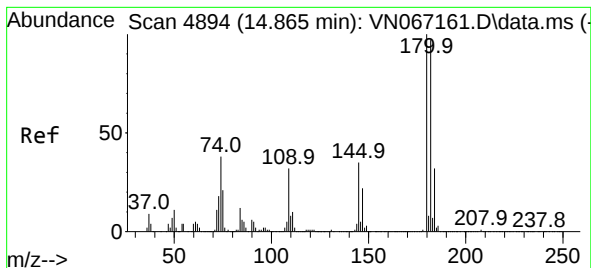
Tgt Ion: 75 Resp: 93463
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.69 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. 0.091 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion: 75 Resp: 93463
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.3 39.5 59.3#

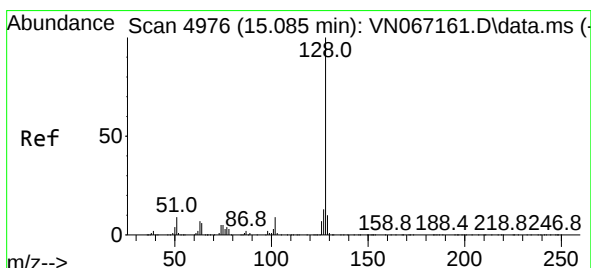
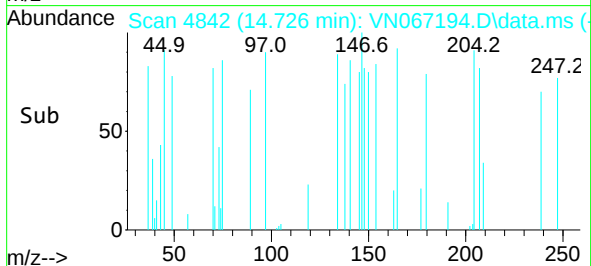
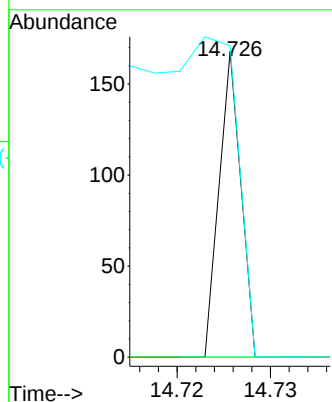
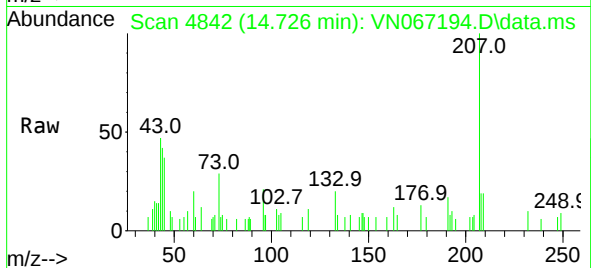




#93
1,2,4-Trichlorobenzene
Concen: 3.27 ug/l
RT: 14.726 min Scan# 4842
Delta R.T. -0.139 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#11

Tgt Ion:180 Resp: 27
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.8#
145 488.9 14.0 42.0#



#95
Naphthalene
Concen: 3.87 ug/l
RT: 15.131 min Scan# 4993
Delta R.T. 0.046 min
Lab File: VN067194.D
Acq: 28 May 2021 19:32

Tgt Ion:128 Resp: 81
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

