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 Data File : VN069114.D
 Acq On : 22 Oct 2021 2:56
 Operator : JC/MD
 Sample : M4285-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 03:17:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

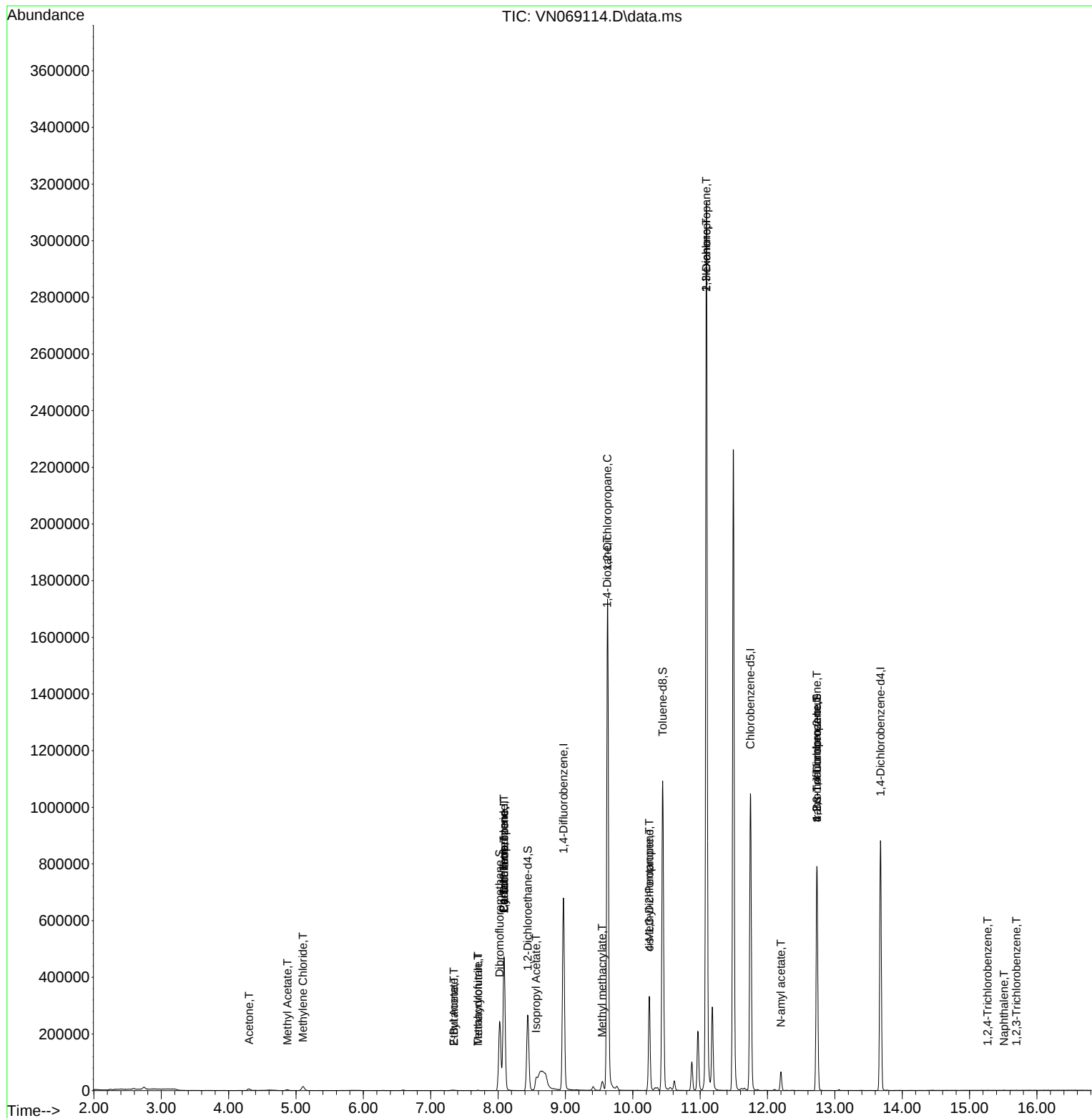
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	357095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	616900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	617723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	235479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	226219	48.048	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	96.100%	
35) Dibromofluoromethane	8.024	113	179542	50.023	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.040%	
50) Toluene-d8	10.443	98	778083	54.181	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	108.360%	
62) 4-Bromofluorobenzene	12.733	95	282917	52.216	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	104.440%	
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	11709	6.664	ug/l	99
18) Methyl Acetate	4.873	43	6343	0.952	ug/l #	81
20) Methylene Chloride	5.103	84	11639	2.878	ug/l	97
25) 2-Butanone	7.343	43	2955	1.112	ug/l #	87
29) Tetrahydrofuran	7.699	42	970	0.563	ug/l #	69
31) Cyclohexane	8.088	56	8111	1.108	ug/l #	15
36) 1,1-Dichloropropene	8.091	75	28211	5.354	ug/l #	49
37) Ethyl Acetate	7.343	43	2955	0.543	ug/l #	68
38) Carbon Tetrachloride	8.088	117	36240	6.262	ug/l #	15
41) Methacrylonitrile	7.702	41	579	0.211	ug/l #	27
43) Isopropyl Acetate	8.566	43	53098	5.530	ug/l #	82
45) 1,2-Dichloropropane	9.622	63	2369	0.569	ug/l #	43
48) Methyl methacrylate	9.545	41	7782	1.725	ug/l #	13
49) 1,4-Dioxane	9.620	88	143	37.202	ug/l #	1
51) 4-Methyl-2-Pentanone	10.245	43	126540	22.728	ug/l #	46
54) cis-1,3-Dichloropropene	10.245	75	62623	9.022	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	35404	5.275	ug/l #	42
59) 2-Hexanone	11.092	43	477355	119.556	ug/l #	51
74) N-amyl acetate	12.197	43	21539	2.901	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	149023	29.743	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	149023	71.159	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	118	2.630	ug/l #	44
95) Naphthalene	15.509	128	1051	3.901	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.697	180	53	2.527	ug/l #	83

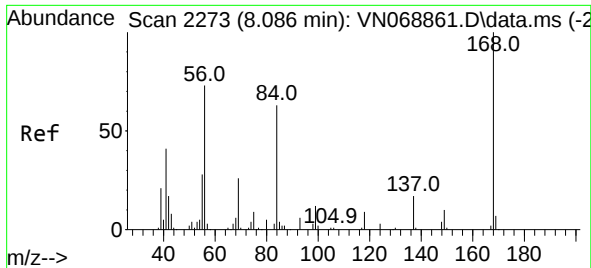
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

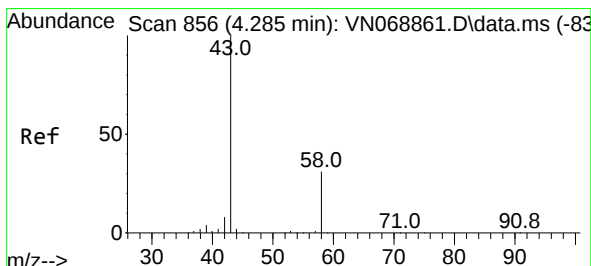
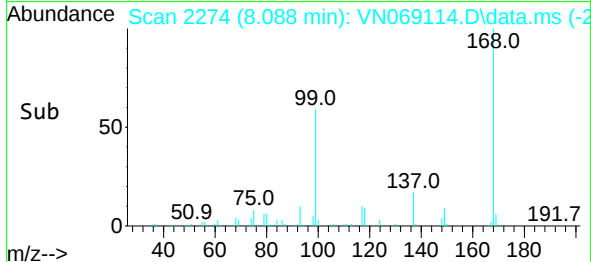
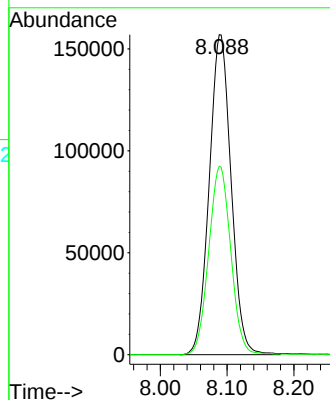
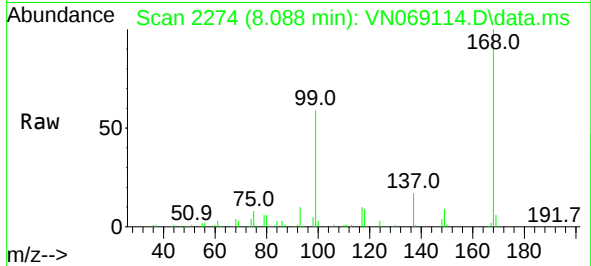




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

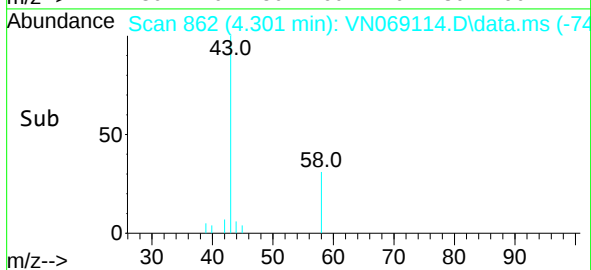
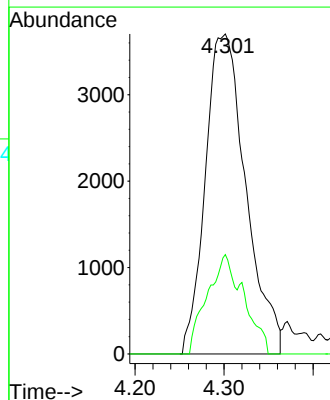
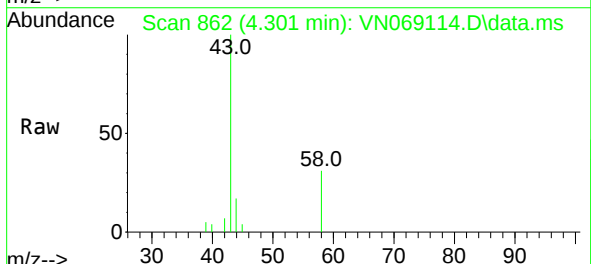
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 357095
Ion Ratio Lower Upper
168 100
99 58.9 48.9 73.3



#16
Acetone
Concen: 6.664 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 43 Resp: 11709
Ion Ratio Lower Upper
43 100
58 31.0 24.5 36.7

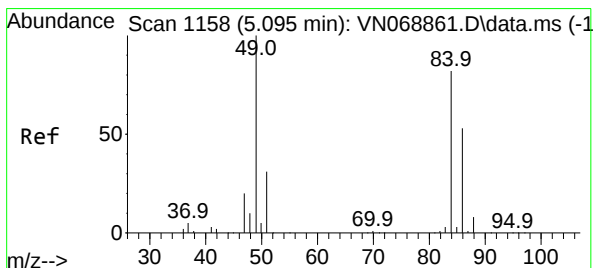
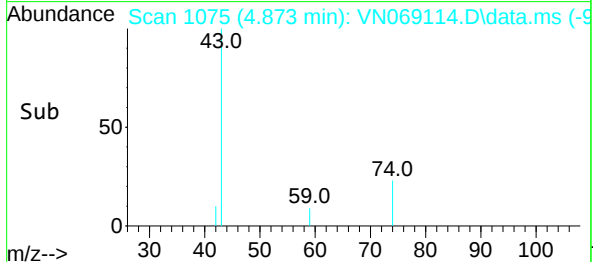
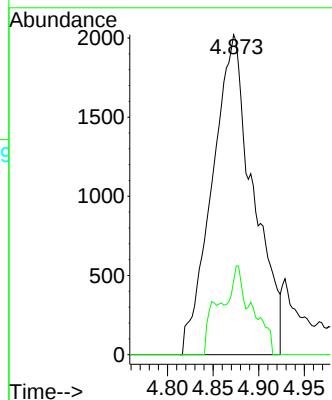
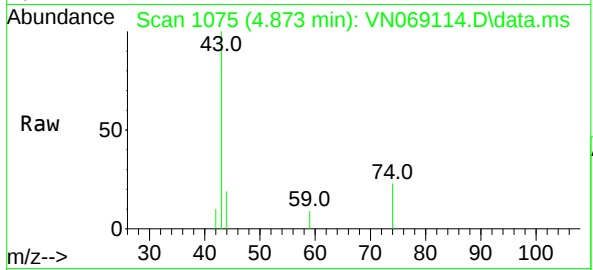




#18
Methyl Acetate
Concen: 0.952 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

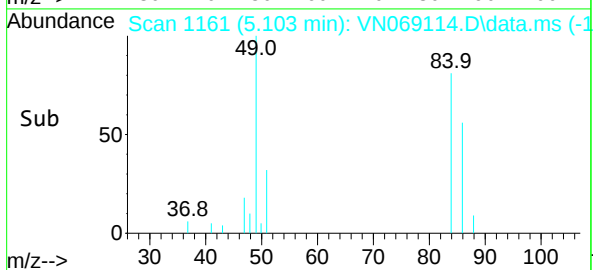
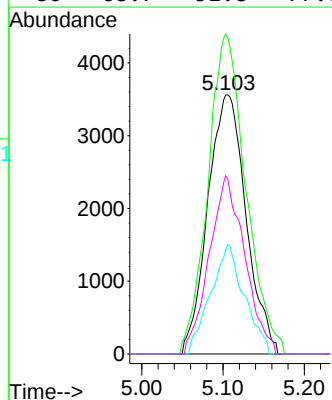
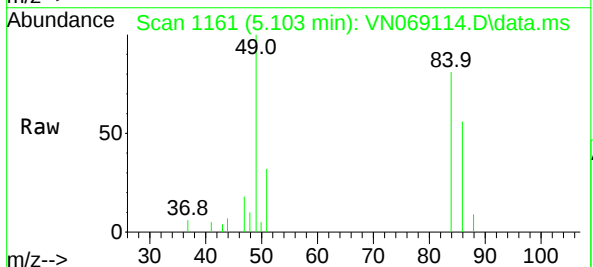
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 6343
Ion Ratio Lower Upper
43 100
74 14.5 18.9 28.3#



#20
Methylene Chloride
Concen: 2.878 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 84 Resp: 11639
Ion Ratio Lower Upper
84 100
49 123.5 97.6 146.4
51 39.9 30.3 45.5
86 68.7 51.8 77.6

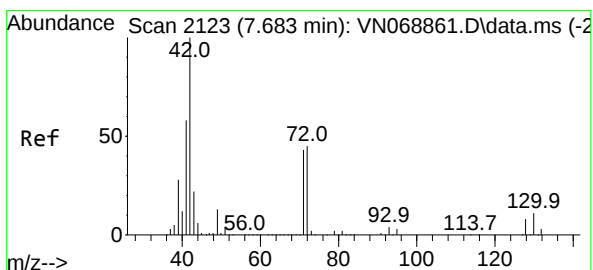
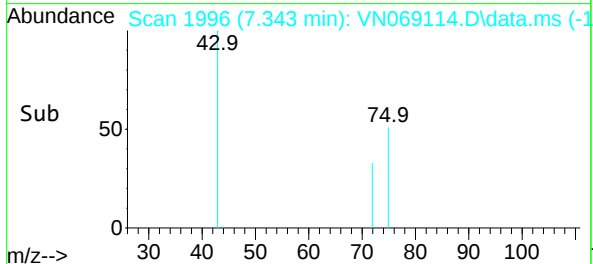
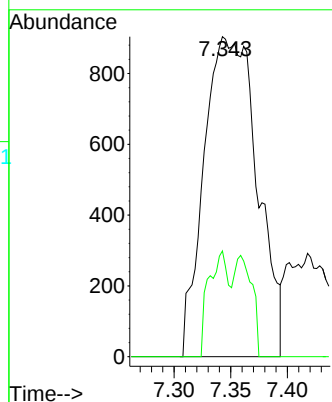
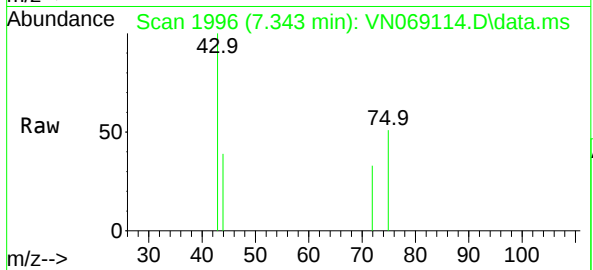




#25
2-Butanone
Concen: 1.112 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

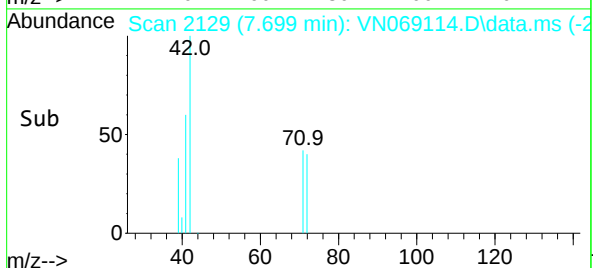
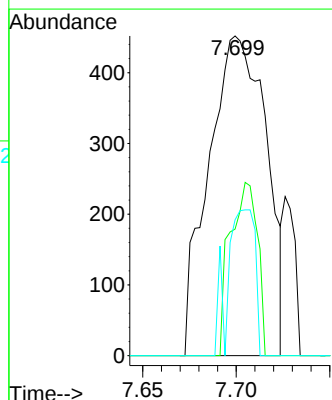
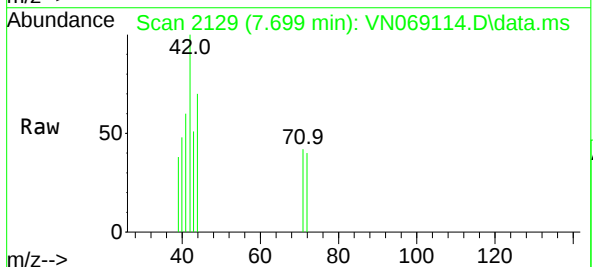
Instrument :
MSVOA_N
ClientSampled :

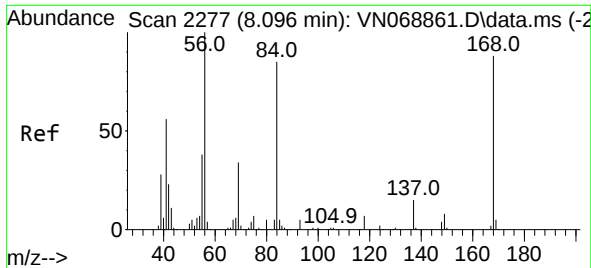
Tgt Ion: 43 Resp: 2955
Ion Ratio Lower Upper
43 100
72 33.1 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.563 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 42 Resp: 970
Ion Ratio Lower Upper
42 100
72 25.7 35.4 53.2#
71 21.6 33.8 50.6#

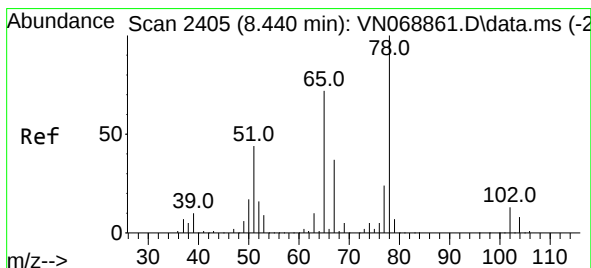
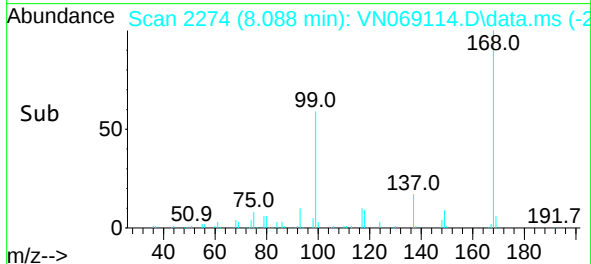
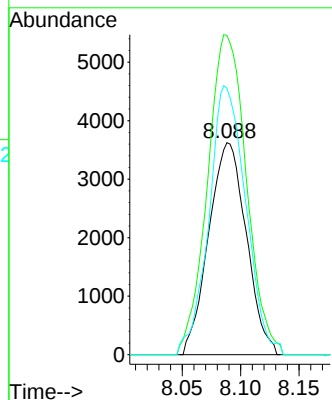
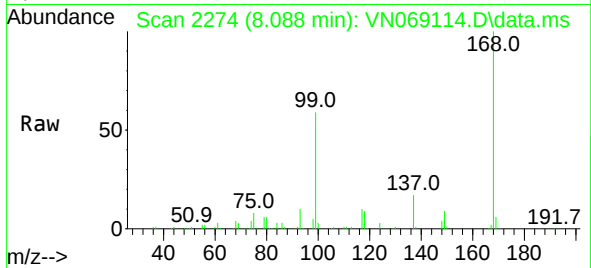




#31
Cyclohexane
Concen: 1.108 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

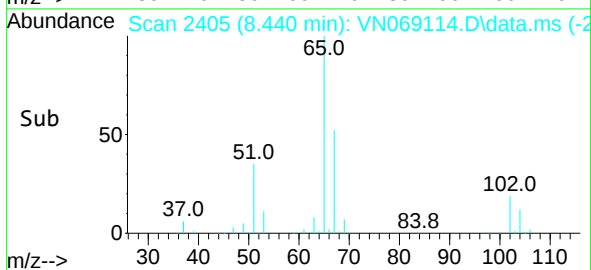
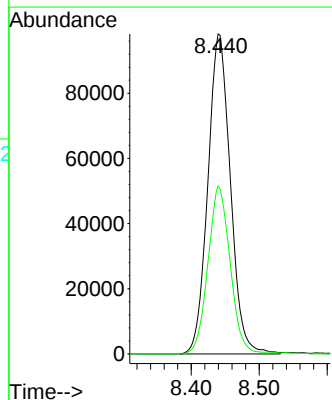
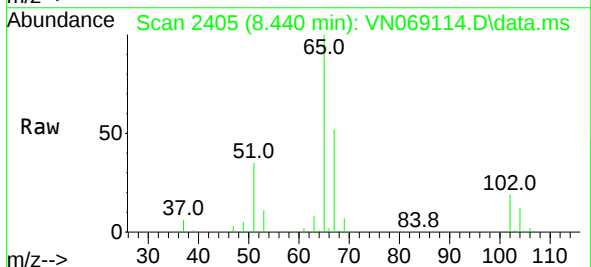
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 8111
Ion Ratio Lower Upper
56 100
69 146.1 26.9 40.3#
84 120.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.048 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 65 Resp: 226219
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8

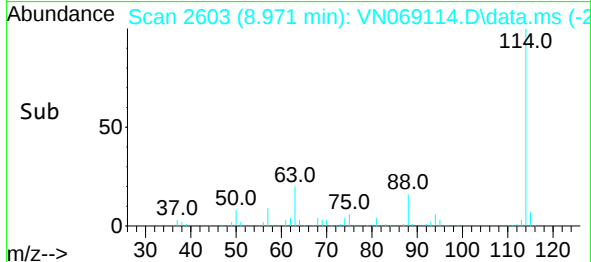
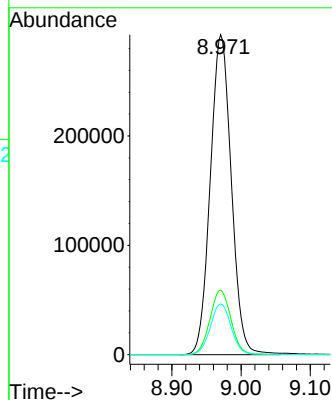
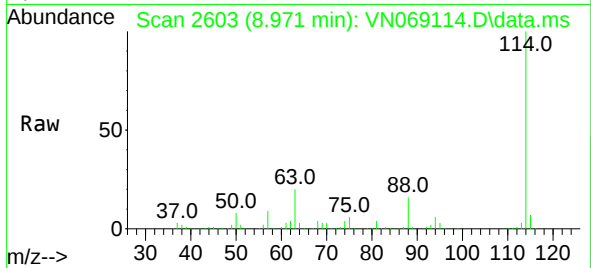




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

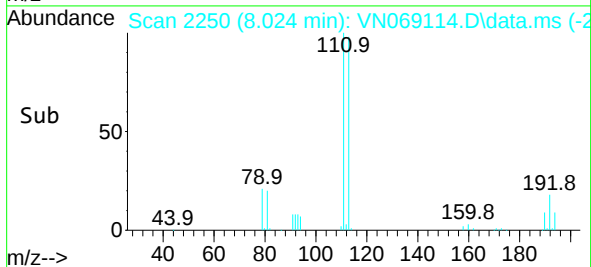
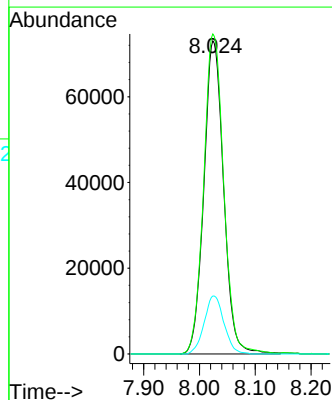
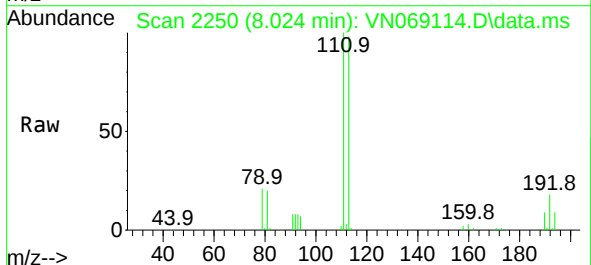
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MSVOA_N
ClientSampled :

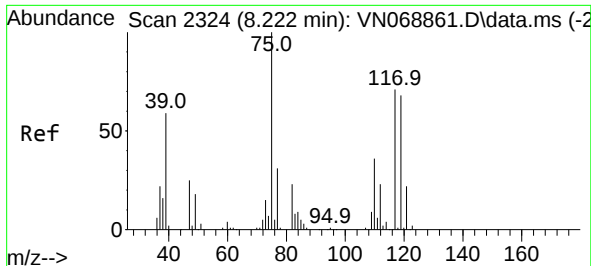
Tgt Ion:114 Resp: 616900
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 15.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.023 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion:113 Resp: 179542
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 18.6 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.354 ug/l

RT: 8.091 min Scan# 2275

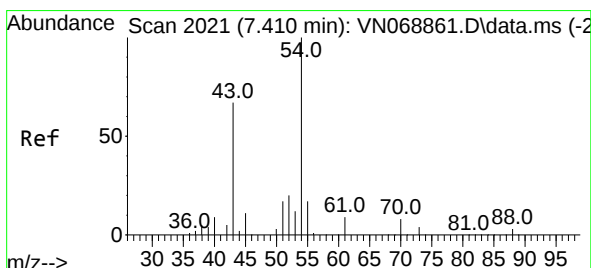
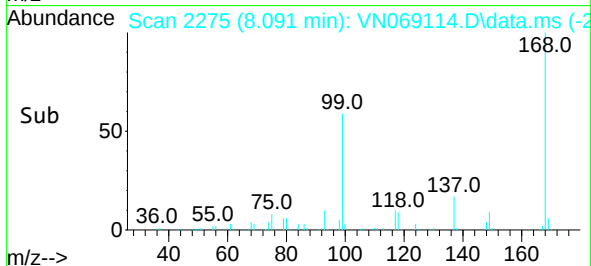
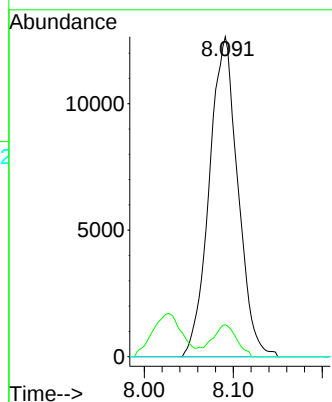
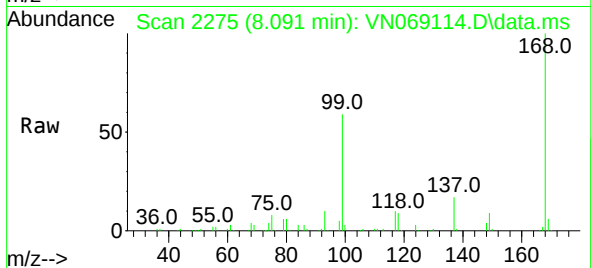
Delta R.T. -0.131 min

Lab File: VN069114.D

Acq: 22 Oct 2021 2:56

Tgt Ion:	75	Resp:	28211
Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampled :



#37

Ethyl Acetate

Concen: 0.543 ug/l

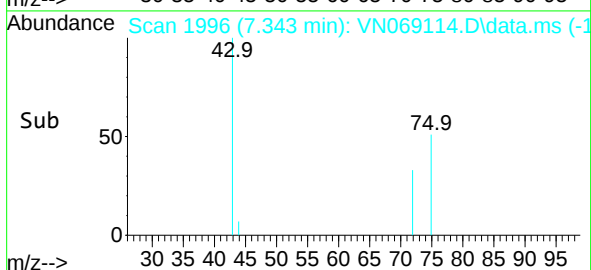
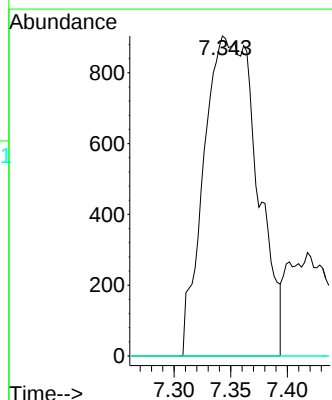
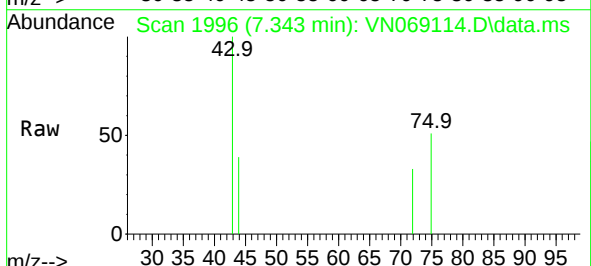
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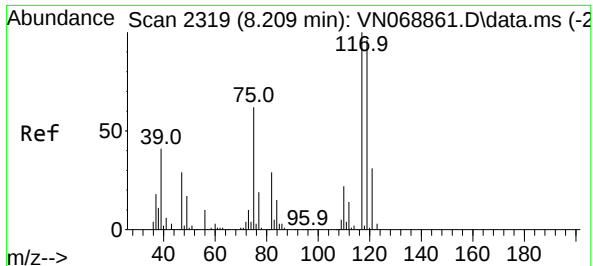
Delta R.T. -0.067 min

Lab File: VN069114.D

Acq: 22 Oct 2021 2:56

Tgt Ion:	43	Resp:	2955
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#

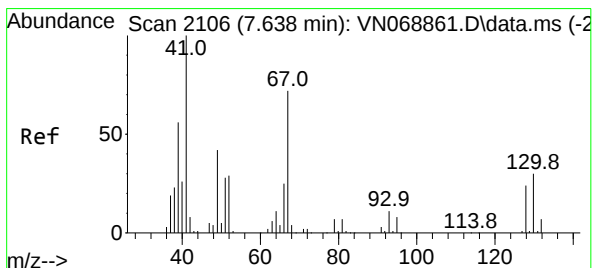
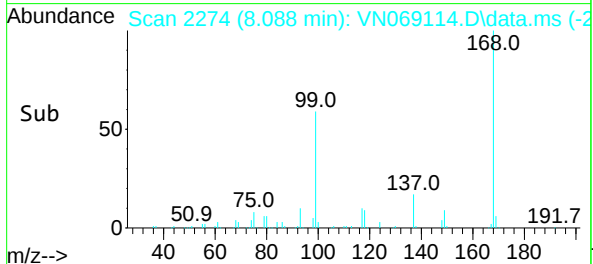
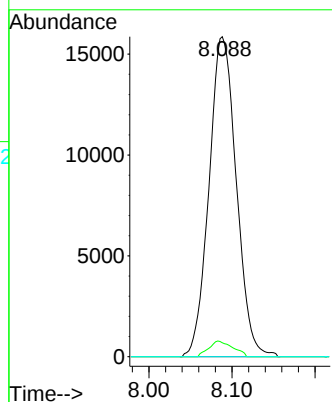
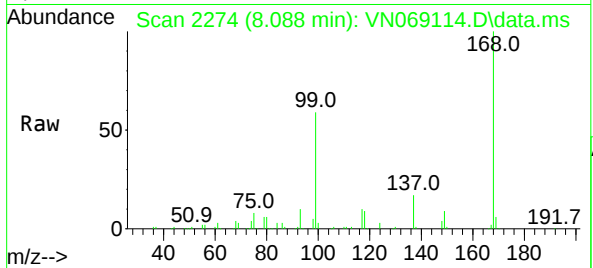




#38
Carbon Tetrachloride
Concen: 6.262 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

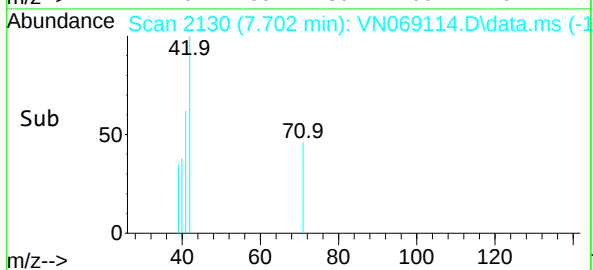
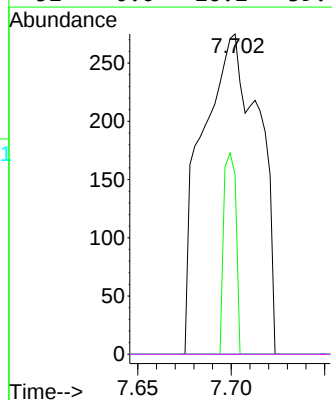
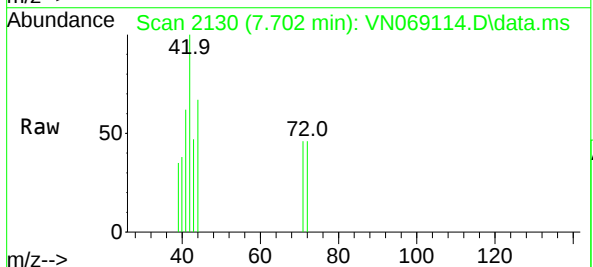
Instrument :
MSVOA_N
ClientSampled :

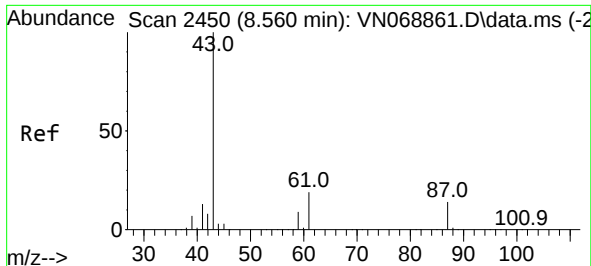
Tgt Ion:117 Resp: 36240
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.211 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.064 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 41 Resp: 579
Ion Ratio Lower Upper
41 100
39 13.6 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

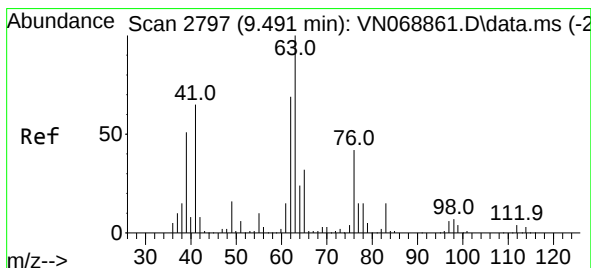
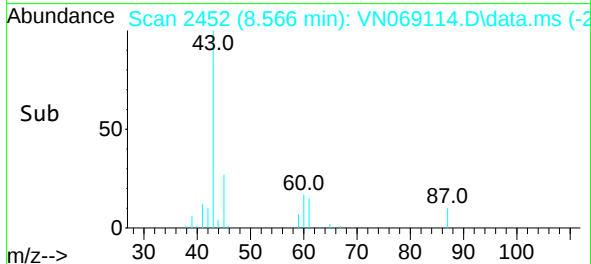
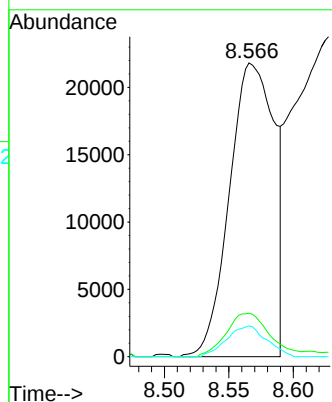
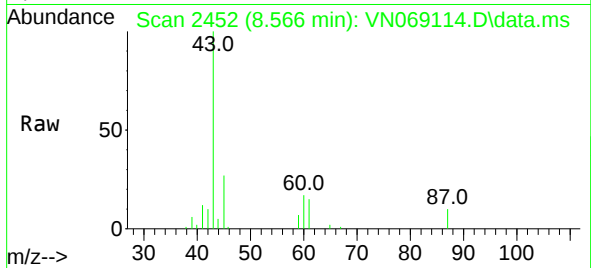




#43
Isopropyl Acetate
Concen: 5.530 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

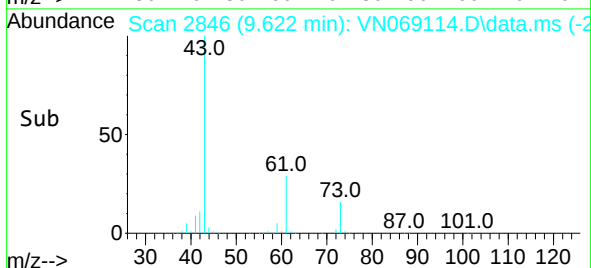
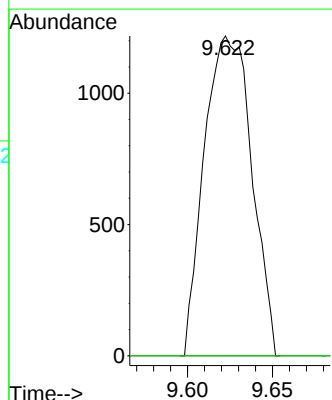
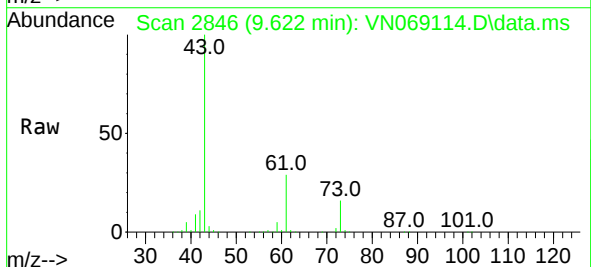
Instrument :
MSVOA_N
ClientSampled :

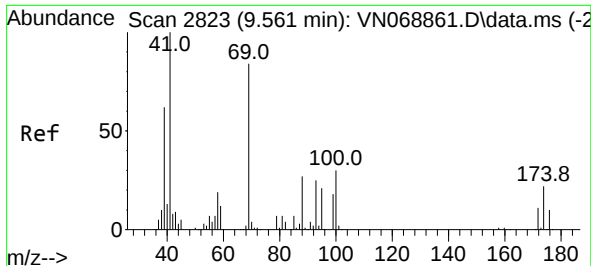
Tgt Ion: 43 Resp: 53098
Ion Ratio Lower Upper
43 100
61 14.2 20.4 30.6#
87 9.2 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.569 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 63 Resp: 2369
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

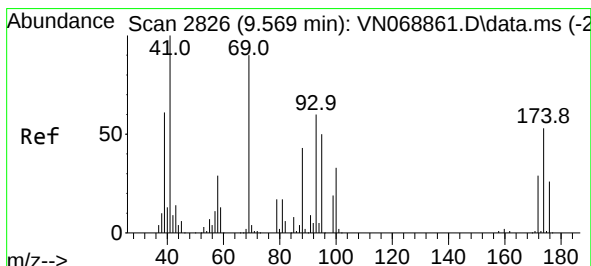
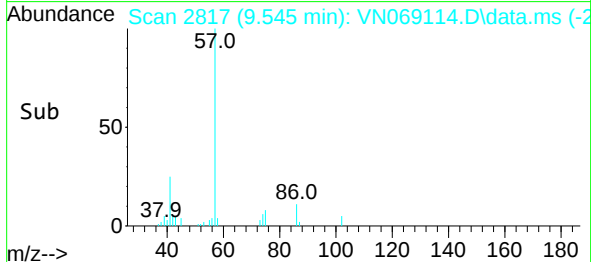
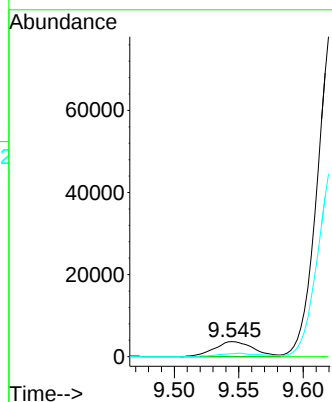
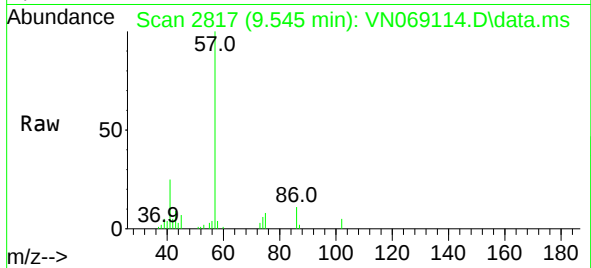




#48
Methyl methacrylate
Concen: 1.725 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

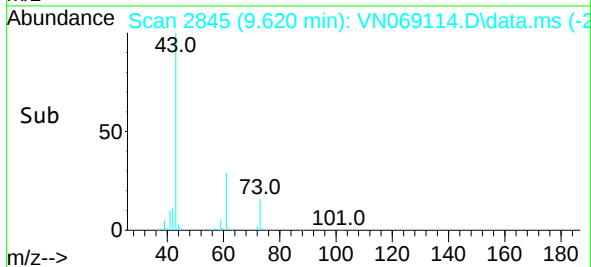
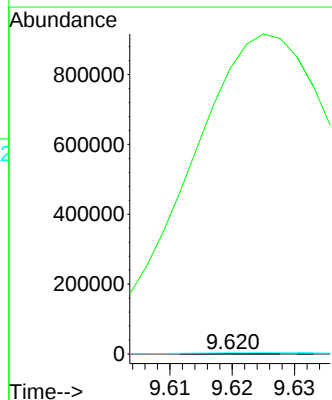
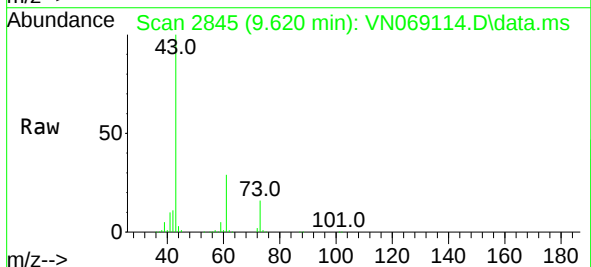
Instrument :
MSVOA_N
ClientSampleId :

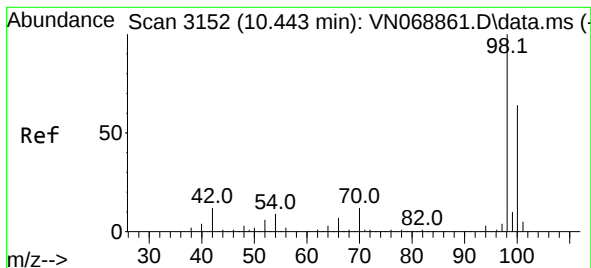
Tgt Ion: 41 Resp: 7782
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.202 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
43 1218976.2 24.9 37.3#
58 4590.9 56.9 85.3#

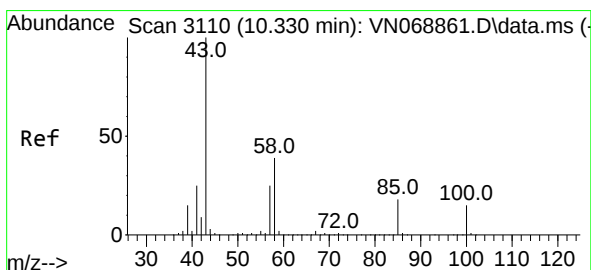
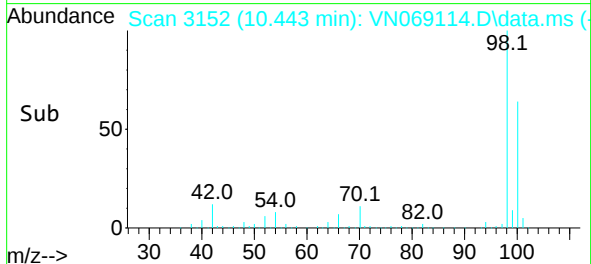
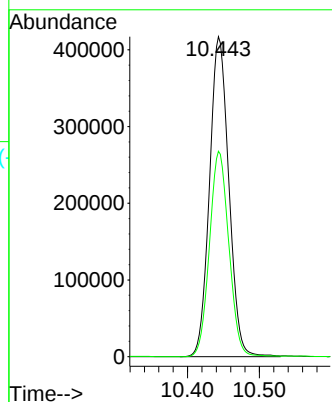
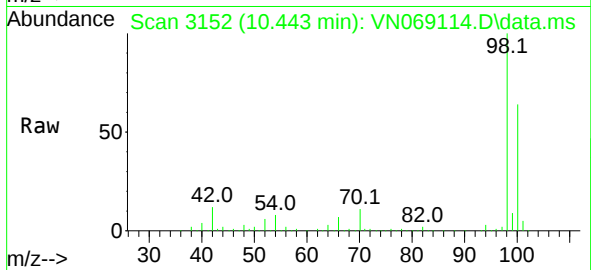




#50
Toluene-d8
Concen: 54.181 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

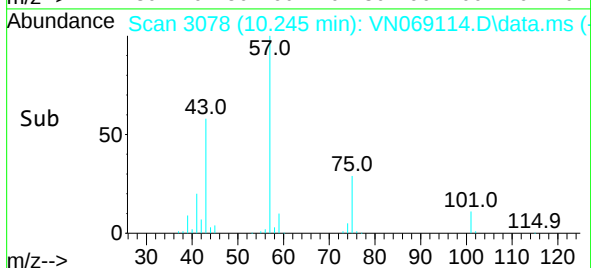
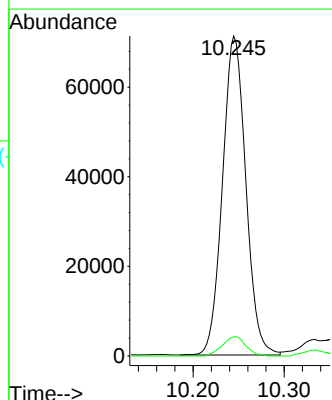
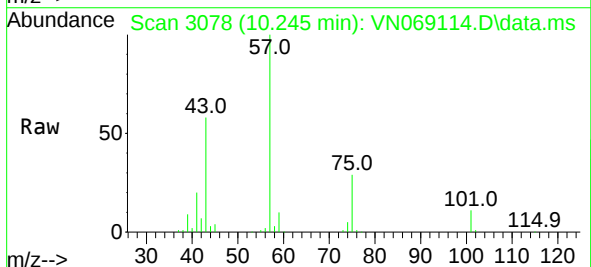
Instrument :
MSVOA_N
ClientSampled :

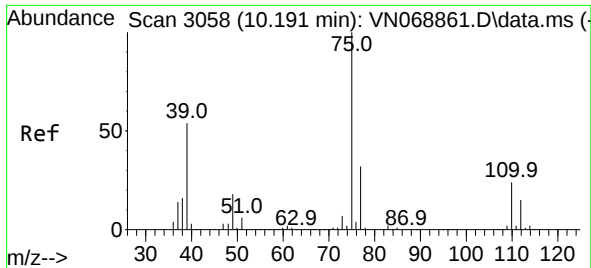
Tgt Ion: 98 Resp: 778083
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 22.728 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. -0.086 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 43 Resp: 126540
Ion Ratio Lower Upper
43 100
58 6.1 31.0 46.4#

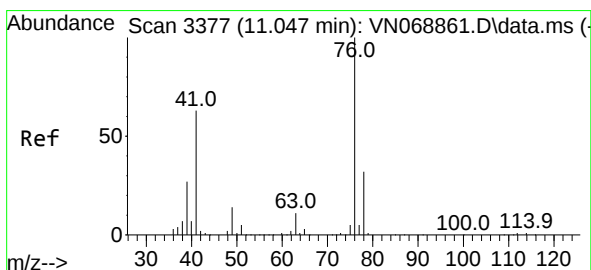
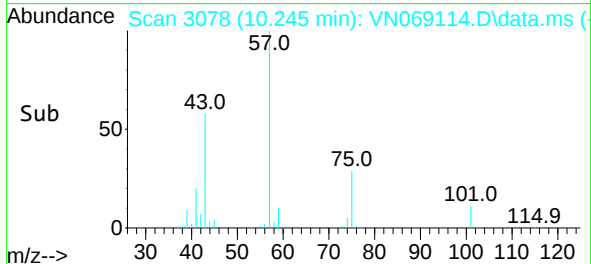
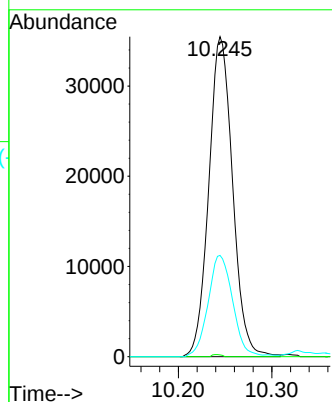
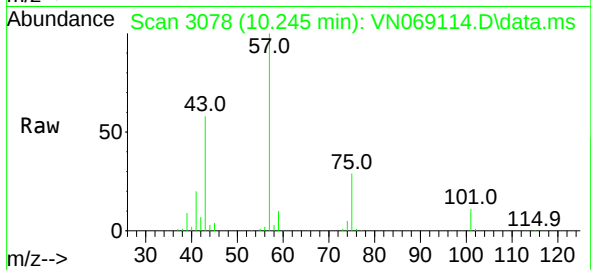




#54
 cis-1,3-Dichloropropene
 Concen: 9.022 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069114.D
 Acq: 22 Oct 2021 2:56

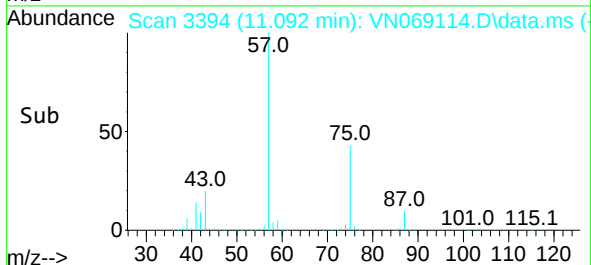
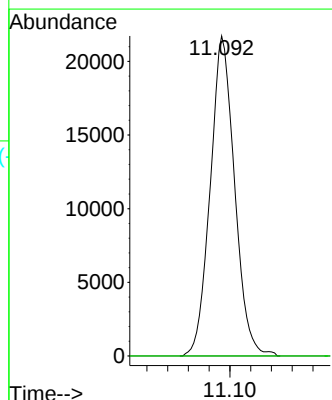
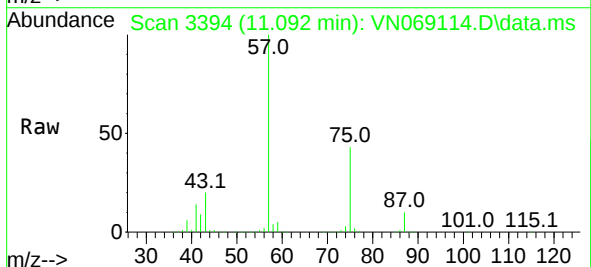
Instrument :
 MSVOA_N
 ClientSampled :

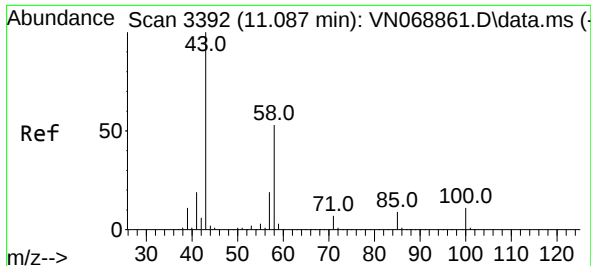
Tgt Ion: 75 Resp: 62623
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.6 38.4#
 39 31.7 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.275 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069114.D
 Acq: 22 Oct 2021 2:56

Tgt Ion: 76 Resp: 35404
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

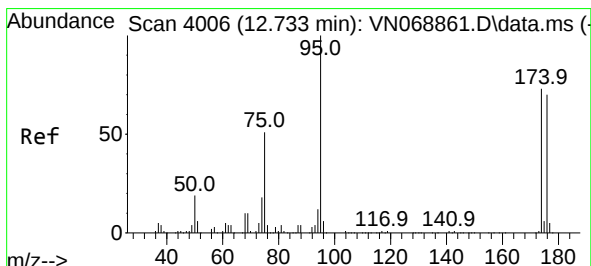
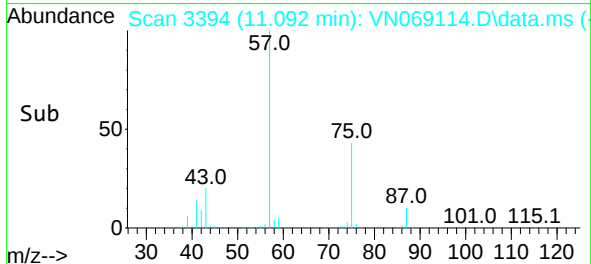
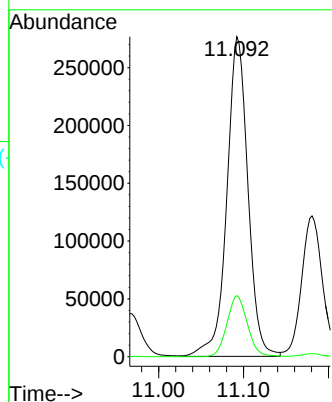
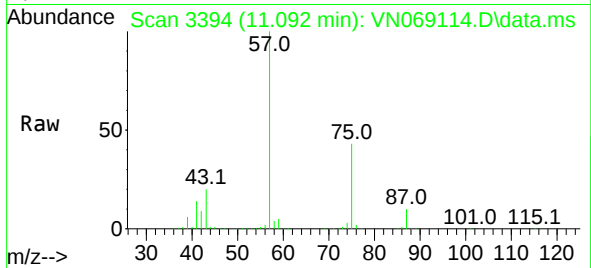




#59
2-Hexanone
Concen: 119.556 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

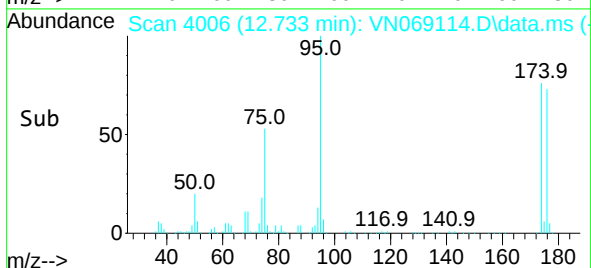
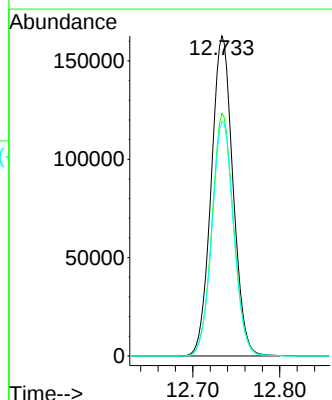
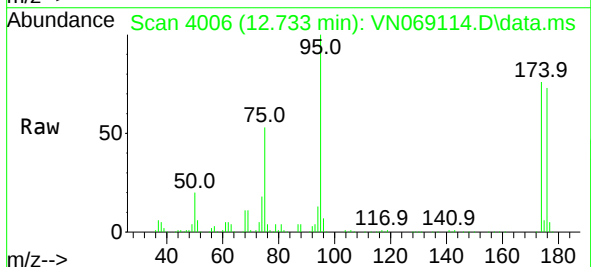
Instrument :
MSVOA_N
ClientSampled :

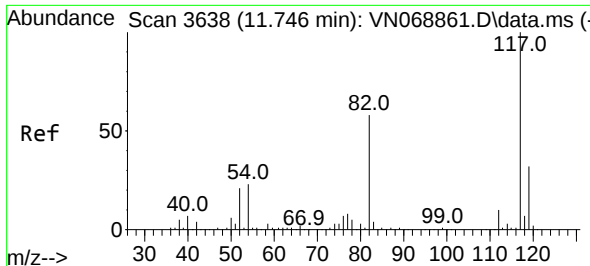
Tgt Ion: 43 Resp: 477355
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.216 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 95 Resp: 282917
Ion Ratio Lower Upper
95 100
174 75.3 0.0 144.8
176 73.2 0.0 140.0

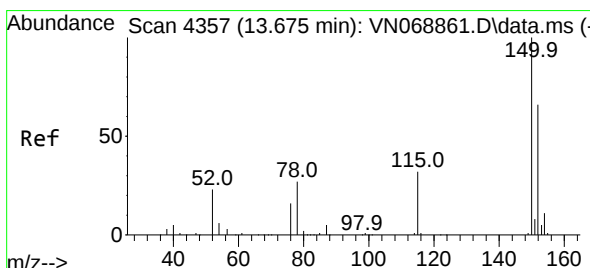
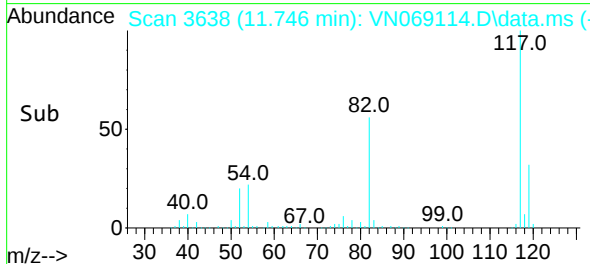
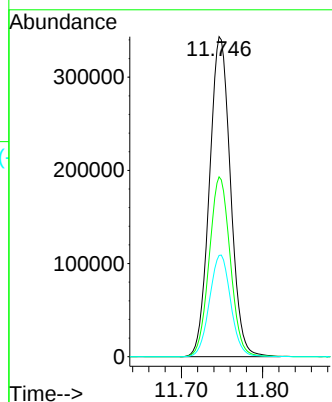
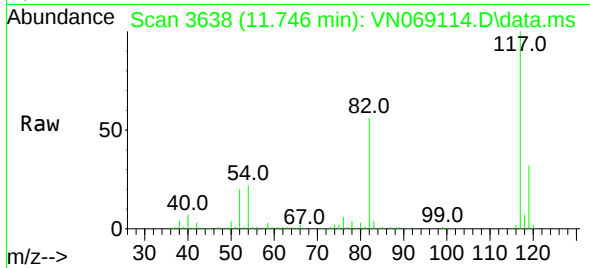




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

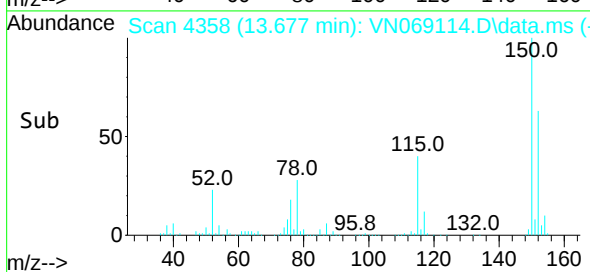
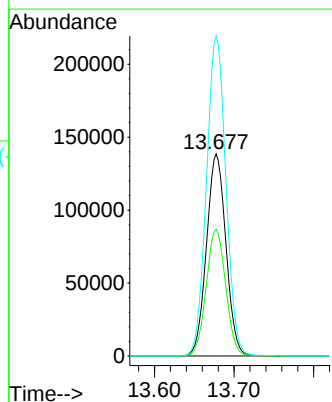
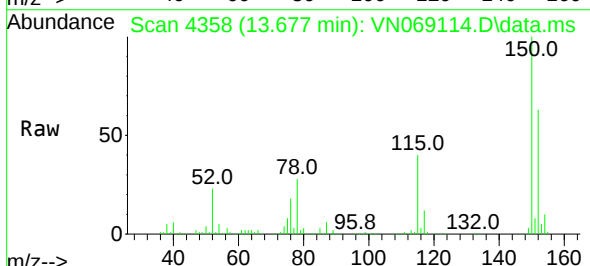
Instrument :
MSVOA_N
ClientSampleId :

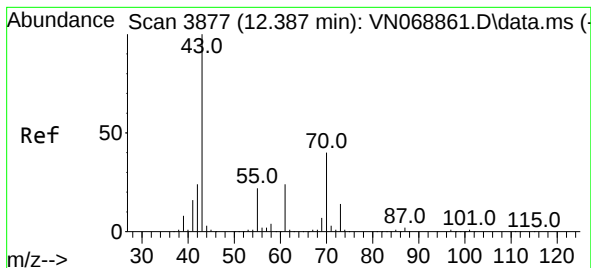
Tgt Ion:117 Resp: 617723
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion:152 Resp: 235479
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.3
150 158.2 0.0 351.0

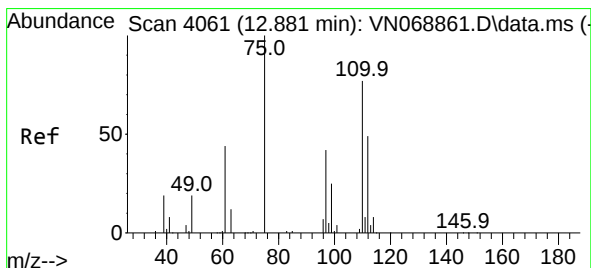
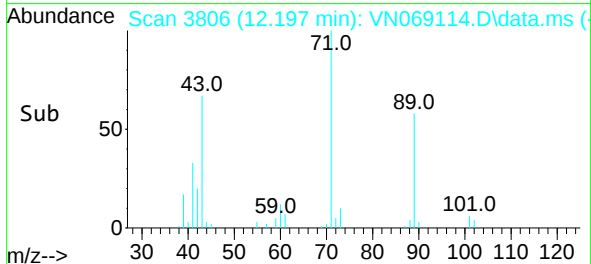
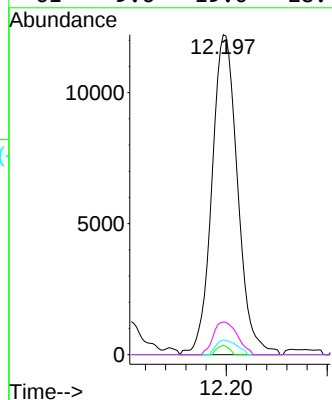
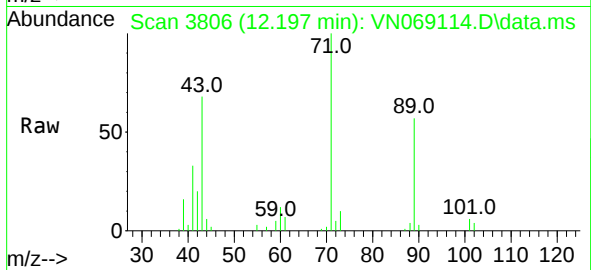




#74
N-amy1 acetate
Concen: 2.901 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

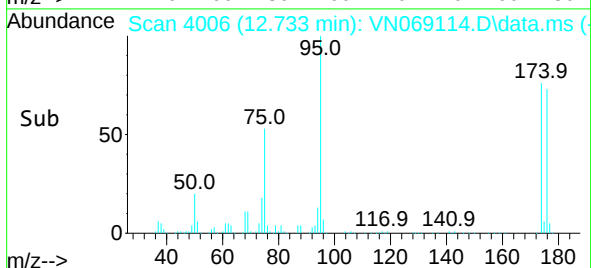
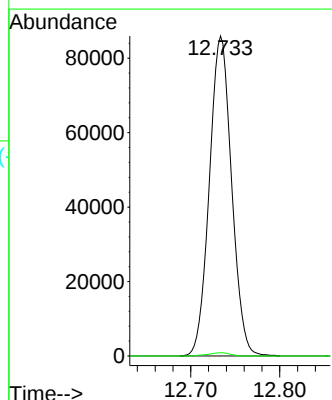
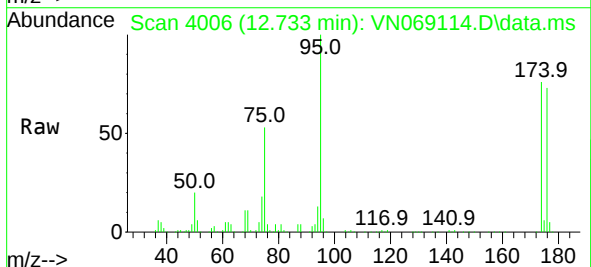
Instrument :
MSVOA_N
ClientSampled :

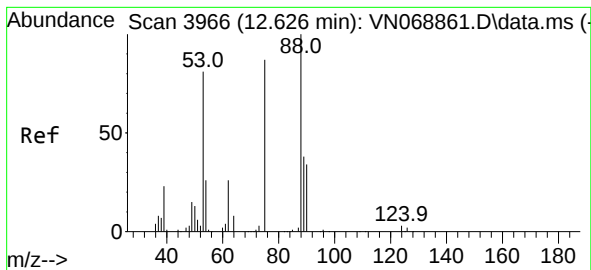
Tgt Ion: 43	Resp: 21539
Ion Ratio	Lower Upper
43 100	
70 1.4	32.2 48.2#
55 3.7	18.0 27.0#
61 9.6	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 29.743 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion: 75	Resp: 149023
Ion Ratio	Lower Upper
75 100	
77 1.0	96.2 288.4#

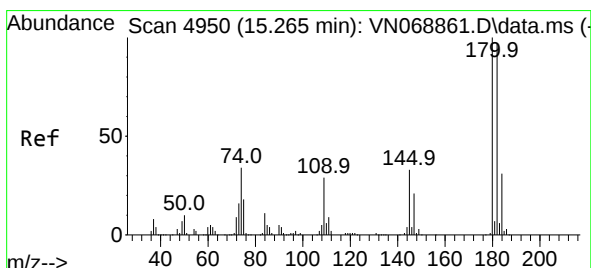
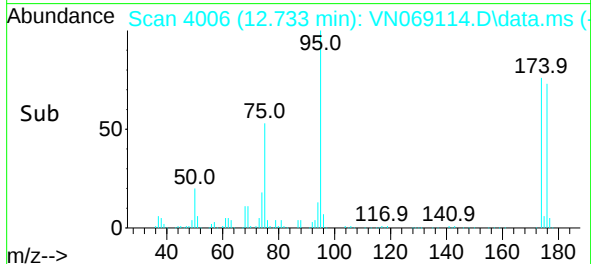
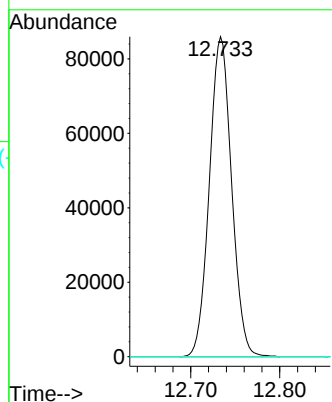
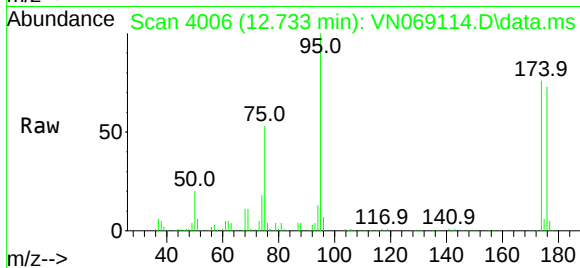




#81
trans-1,4-Dichloro-2-butene
Concen: 71.159 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

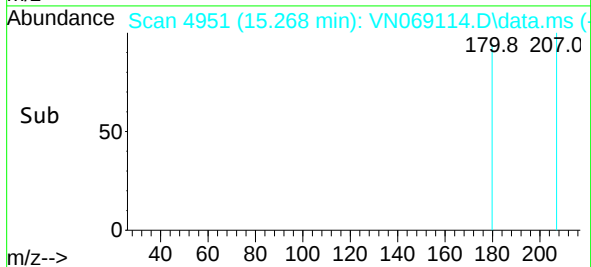
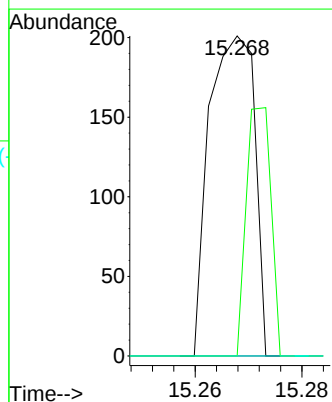
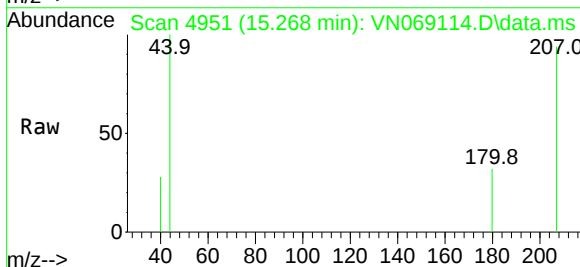
Instrument :
MSVOA_N
ClientSampled :

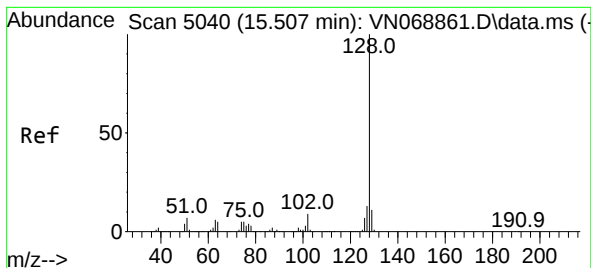
Tgt Ion: 75 Resp: 149023
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.630 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

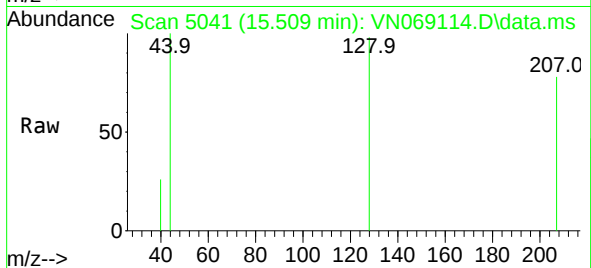
Tgt Ion:180 Resp: 118
Ion Ratio Lower Upper
180 100
182 42.4 47.9 143.7#
145 0.0 16.4 49.2#



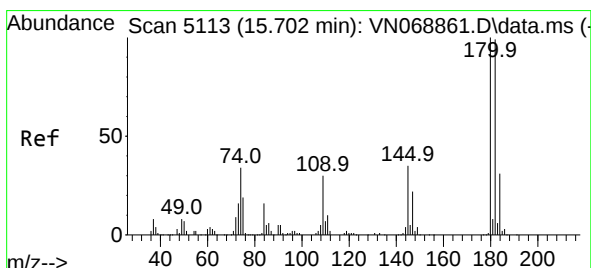
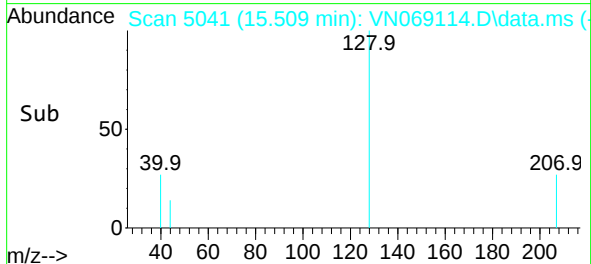
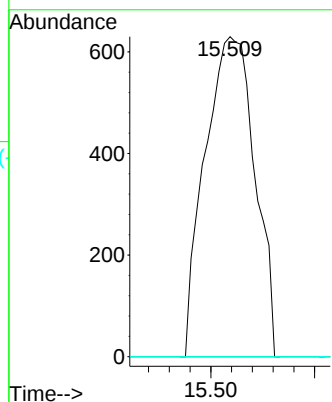


#95
Naphthalene
Concen: 3.901 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1051
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.527 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069114.D
Acq: 22 Oct 2021 2:56

Tgt Ion:180 Resp: 53
Ion Ratio Lower Upper
180 100
182 98.1 48.1 144.3
145 0.0 17.4 52.2#

