

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069040.D
 Acq On : 19 Oct 2021 21:10
 Operator : JC/MD
 Sample : M4259-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:50:54 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

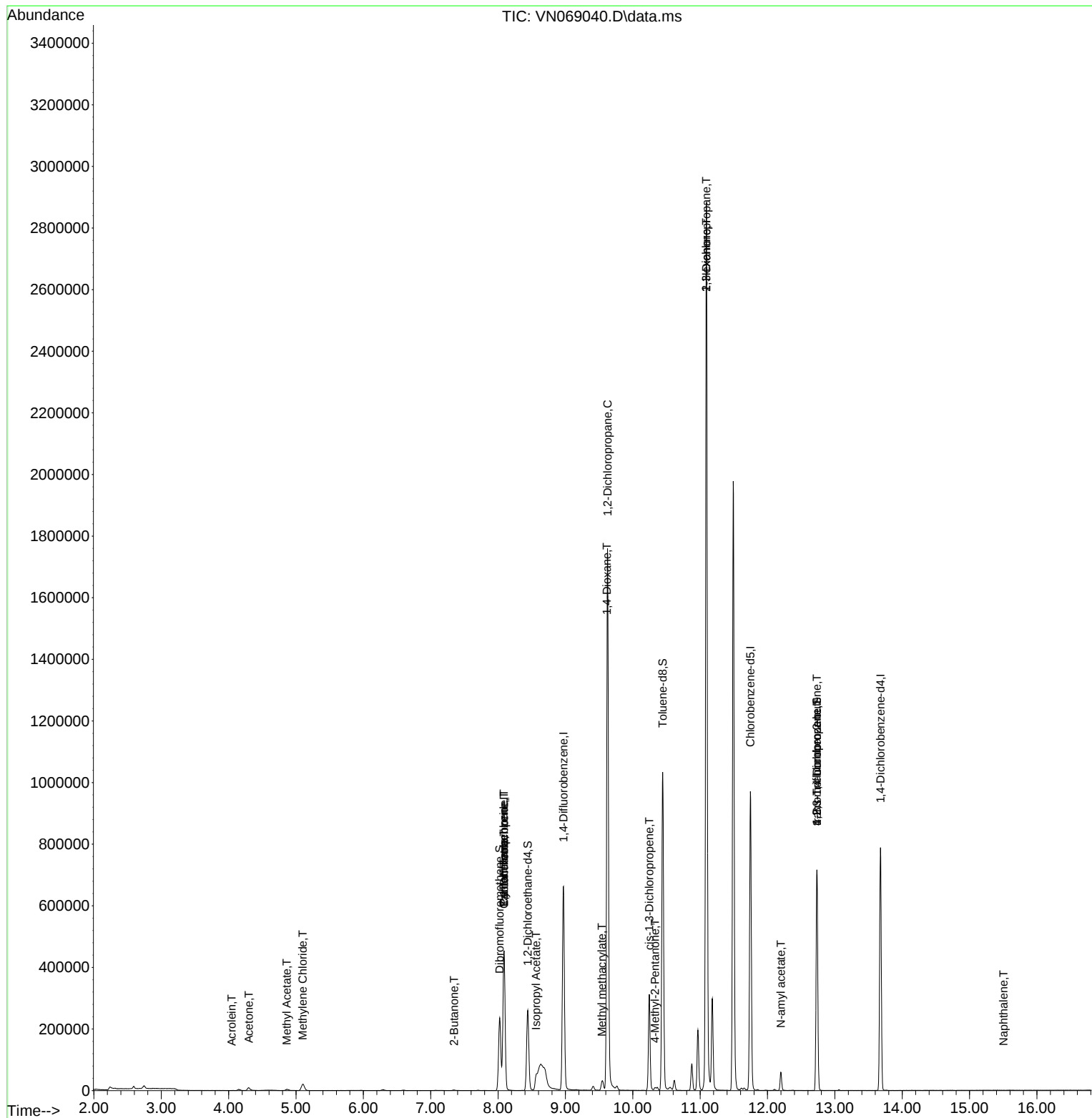
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	340179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	592056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	565671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	209209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222346	49.574	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.140%
35) Dibromofluoromethane	8.024	113	174083	50.537	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.080%
50) Toluene-d8	10.443	98	739446	53.651	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.300%
62) 4-Bromofluorobenzene	12.734	95	259520	49.908	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.820%
Target Compounds						
					Qvalue	
13) Acrolein	4.044	56	91	0.251	ug/l #	13
16) Acetone	4.299	43	16521	9.871	ug/l	99
18) Methyl Acetate	4.862	43	8996	1.417	ug/l #	70
20) Methylene Chloride	5.101	84	17520	4.548	ug/l	99
25) 2-Butanone	7.348	43	4040	1.596	ug/l #	88
31) Cyclohexane	8.088	56	7864	1.128	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28614	5.658	ug/l #	50
38) Carbon Tetrachloride	8.086	117	35493	6.391	ug/l #	16
43) Isopropyl Acetate	8.566	43	55787	6.054	ug/l #	81
45) 1,2-Dichloropropane	9.628	63	2236	0.560	ug/l #	43
48) Methyl methacrylate	9.542	41	8568	1.979	ug/l #	13
49) 1,4-Dioxane	9.617	88	51	36.216	ug/l #	23
51) 4-Methyl-2-Pentanone	10.331	43	5950	1.114	ug/l	94
54) cis-1,3-Dichloropropene	10.245	75	58074	8.718	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	31881	4.950	ug/l #	42
59) 2-Hexanone	11.092	43	448443	117.027	ug/l #	50
74) N-amyl acetate	12.197	43	19392	2.939	ug/l #	51
76) 1,2,3-Trichloropropane	12.734	75	137135	30.807	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	137135	73.705	ug/l #	12
95) Naphthalene	15.504	128	149	3.826	ug/l #	69

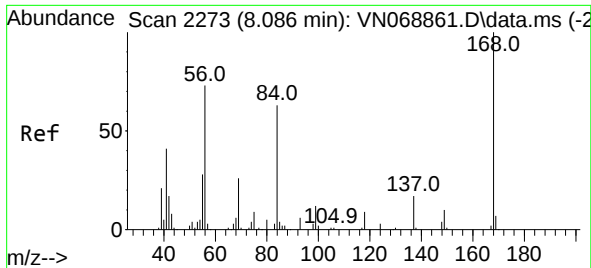
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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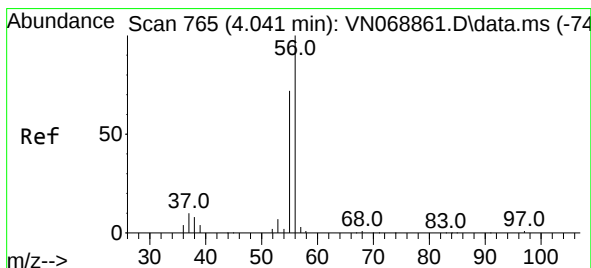
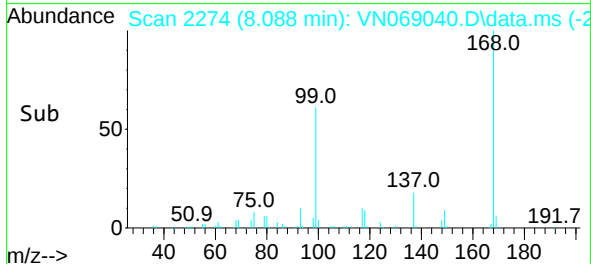
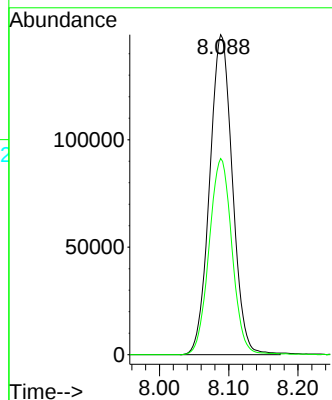
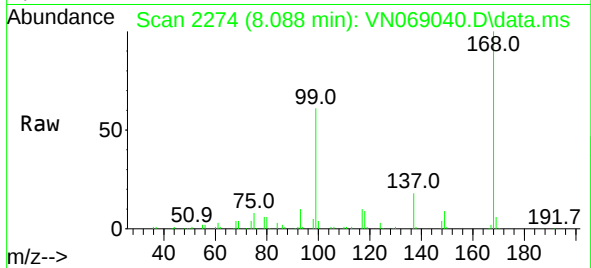




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

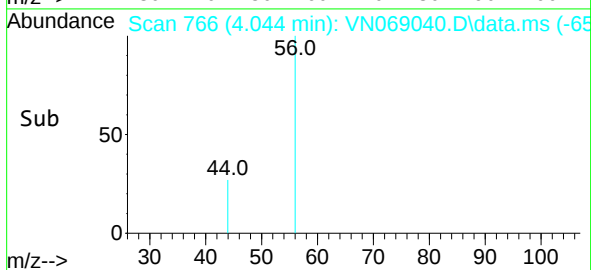
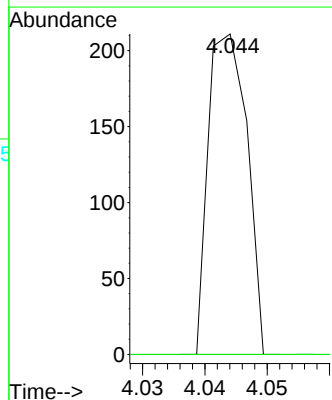
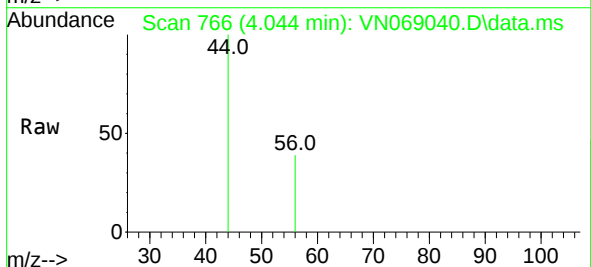
Instrument :
MSVOA_N
ClientSampled :

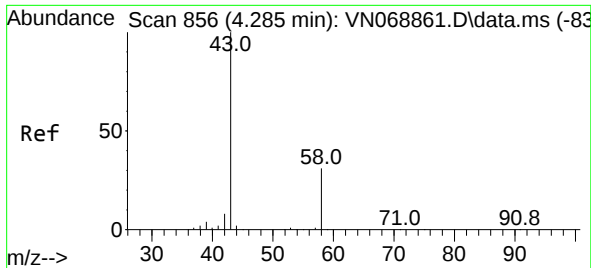
Tgt Ion:168 Resp: 340179
Ion Ratio Lower Upper
168 100
99 61.3 48.9 73.3



#13
Acrolein
Concen: 0.251 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#

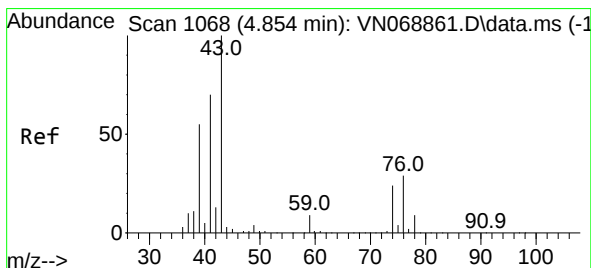
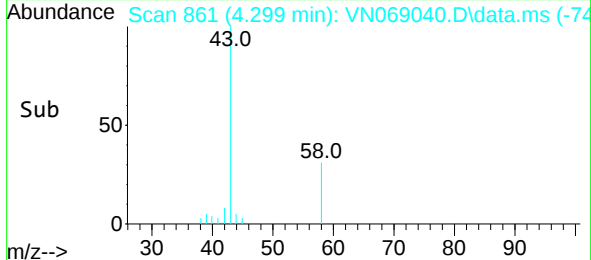
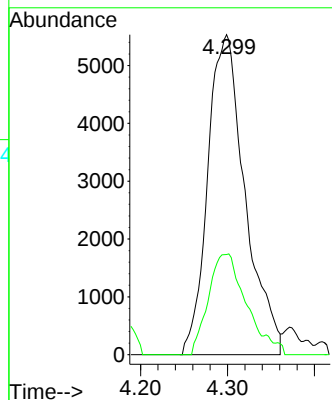
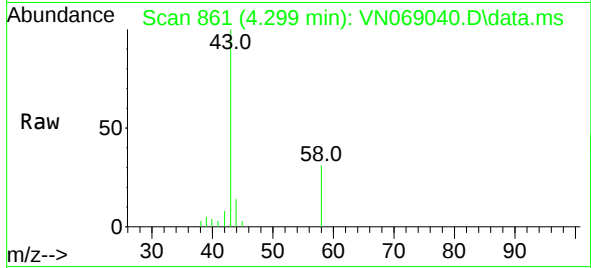




#16
Acetone
Concen: 9.871 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

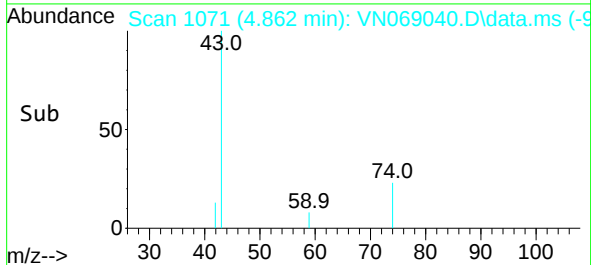
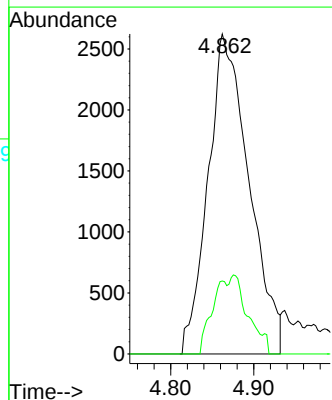
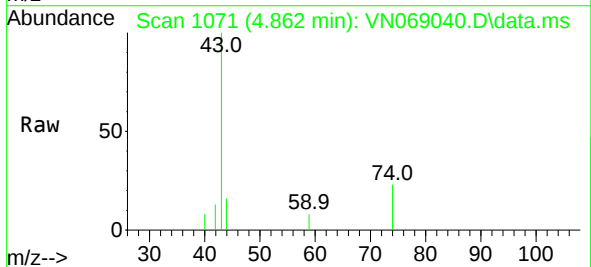
Instrument :
MSVOA_N
ClientSampled :

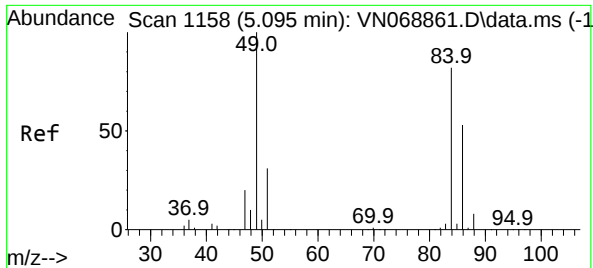
Tgt Ion: 43 Resp: 16521
Ion Ratio Lower Upper
43 100
58 31.3 24.5 36.7



#18
Methyl Acetate
Concen: 1.417 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

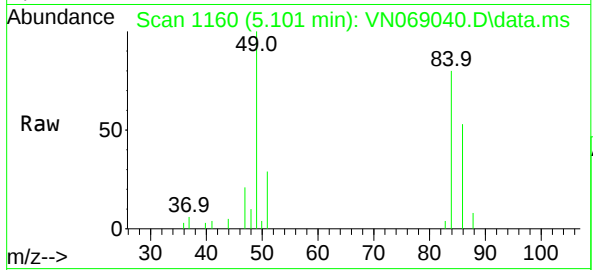
Tgt Ion: 43 Resp: 8996
Ion Ratio Lower Upper
43 100
74 8.8 18.9 28.3#



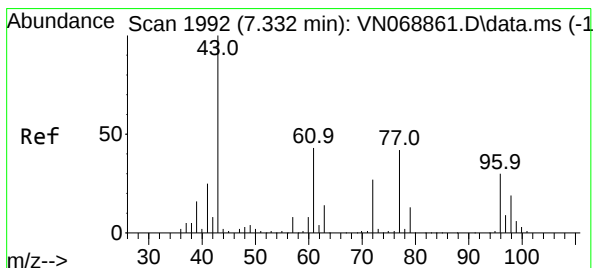
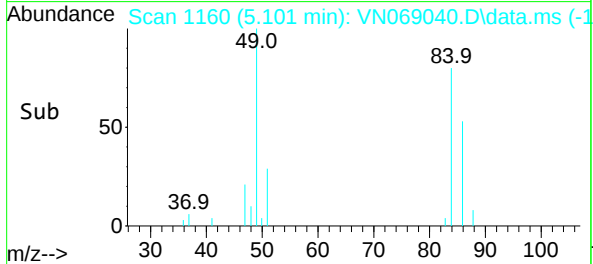
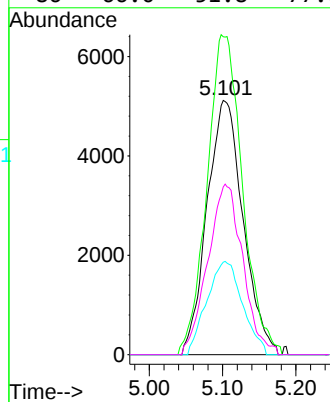


#20
Methylene Chloride
Concen: 4.548 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Instrument :
MSVOA_N
ClientSampled :

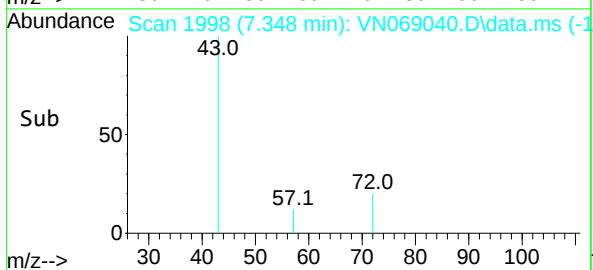
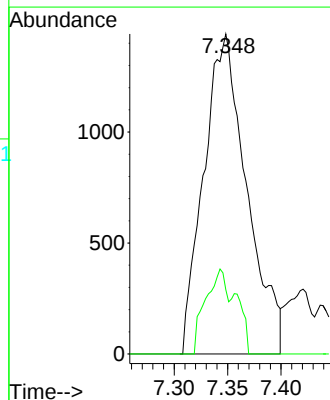
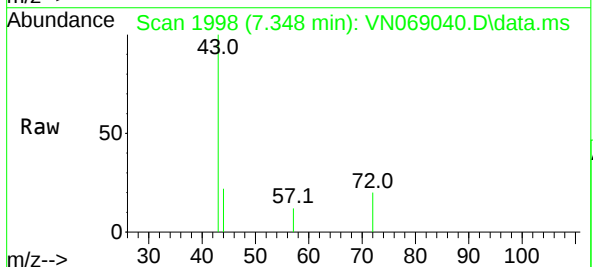


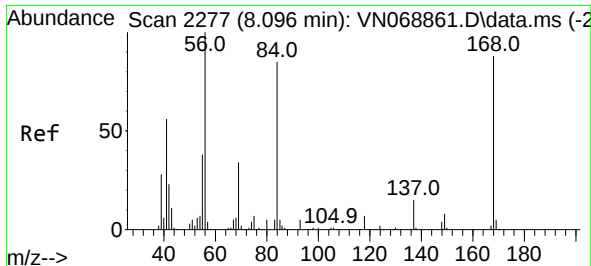
Tgt Ion:	84	Resp:	17520
Ion	Ratio	Lower	Upper
84	100		
49	122.0	97.6	146.4
51	36.3	30.3	45.5
86	66.0	51.8	77.6



#25
2-Butanone
Concen: 1.596 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion:	43	Resp:	4040
Ion	Ratio	Lower	Upper
43	100		
72	20.1	21.2	31.8#

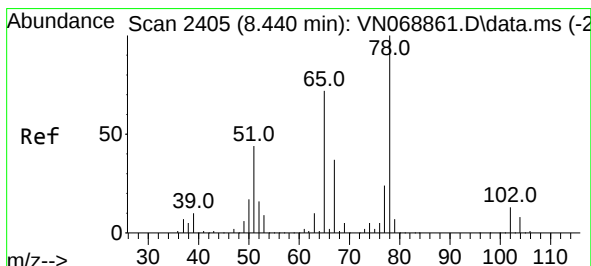
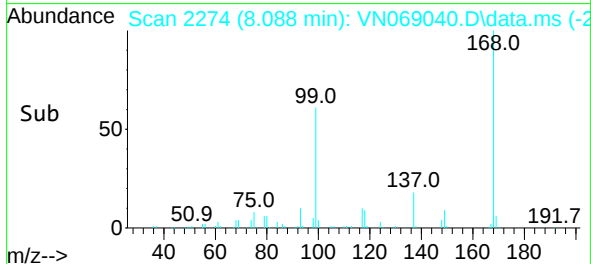
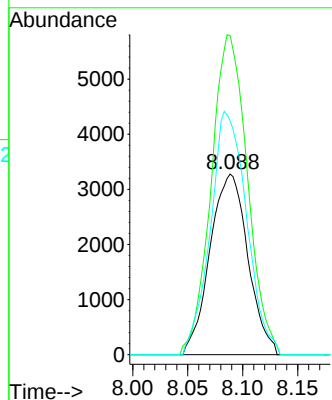
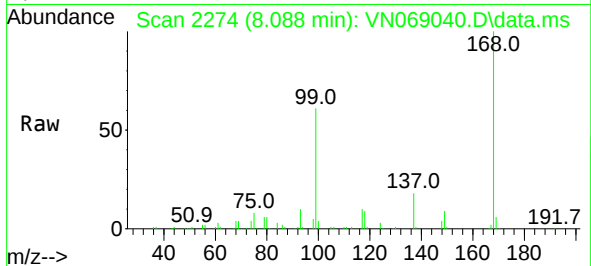




#31
Cyclohexane
Concen: 1.128 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

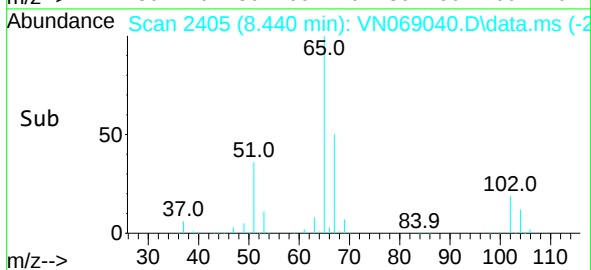
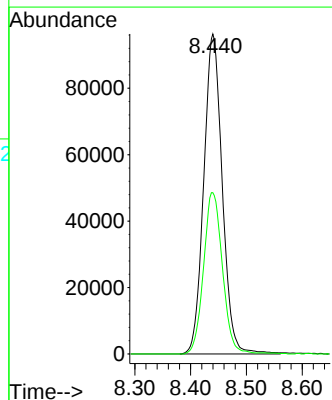
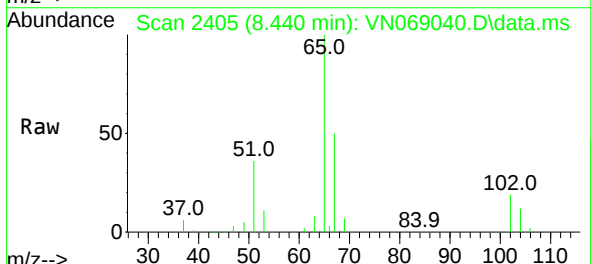
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 7864
Ion Ratio Lower Upper
56 100
69 176.7 26.9 40.3#
84 129.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.574 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion: 65 Resp: 222346
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8

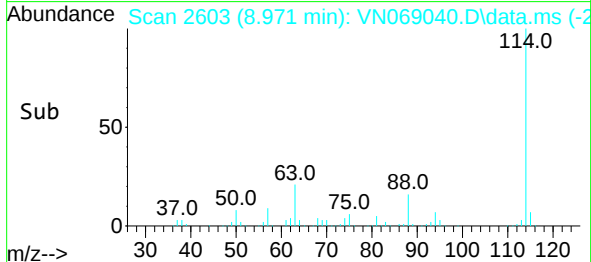
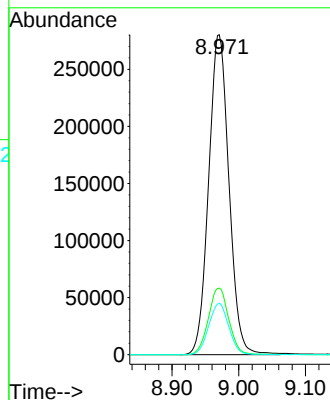
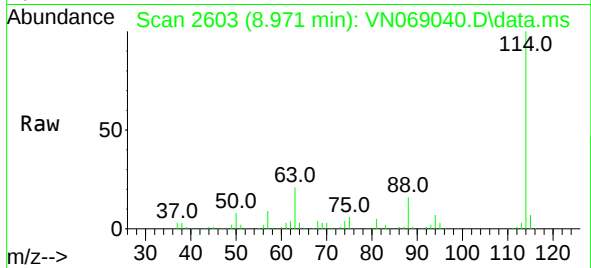




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

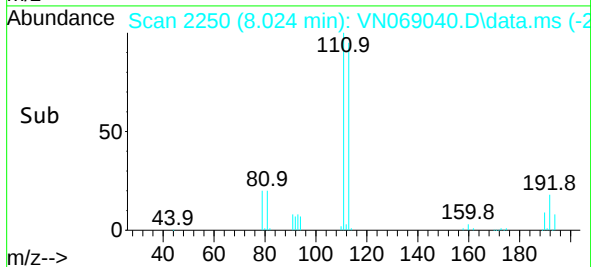
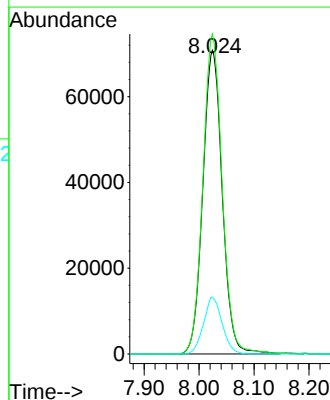
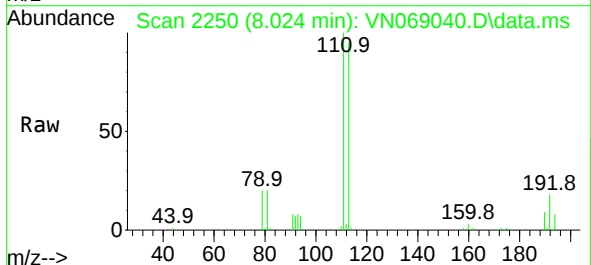
Instrument :
MSVOA_N
ClientSampled :

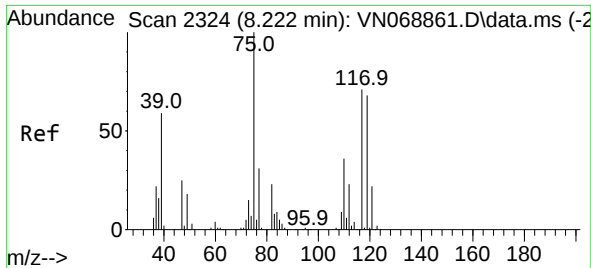
Tgt Ion:114	Resp: 592056
Ion Ratio	Lower Upper
114 100	
63 20.8	0.0 42.6
88 16.0	0.0 32.0



#35
Dibromofluoromethane
Concen: 50.537 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion:113	Resp: 174083
Ion Ratio	Lower Upper
113 100	
111 104.1	83.2 124.8
192 17.8	15.0 22.4

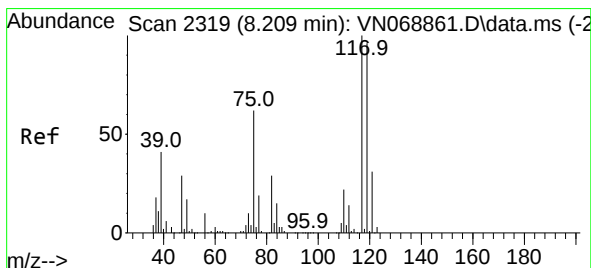
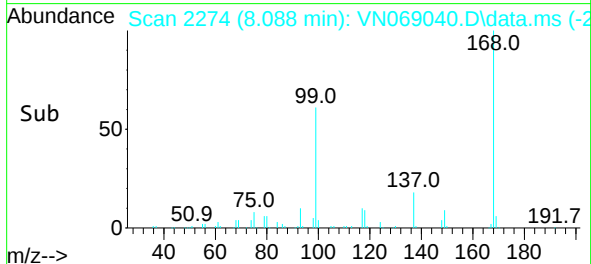
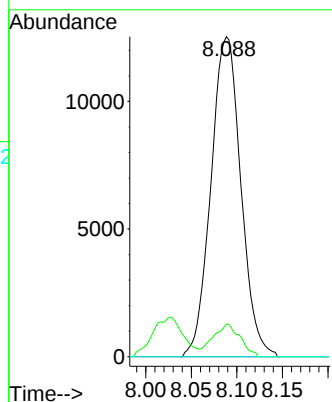
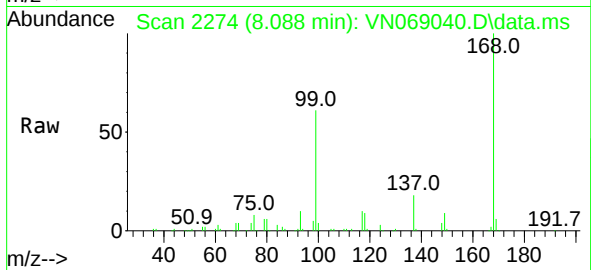




#36
1,1-Dichloropropene
Concen: 5.658 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

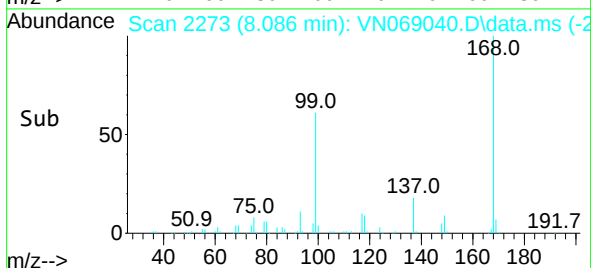
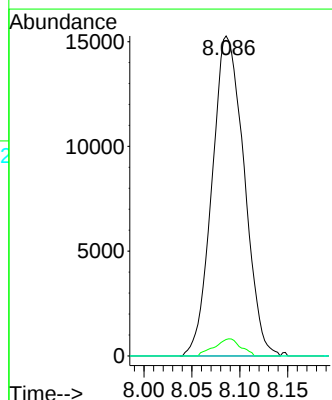
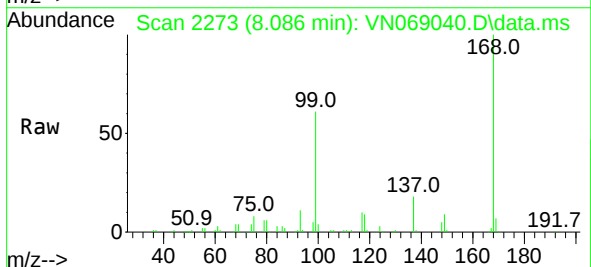
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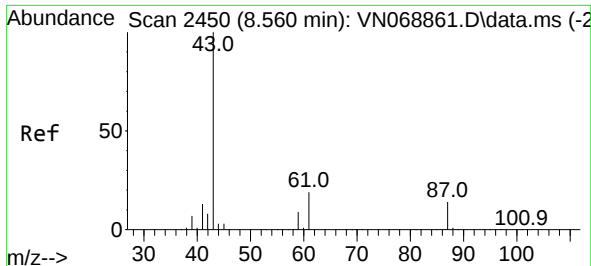
Tgt Ion: 75 Resp: 28614
Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.391 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion: 117 Resp: 35493
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.6 37.0#

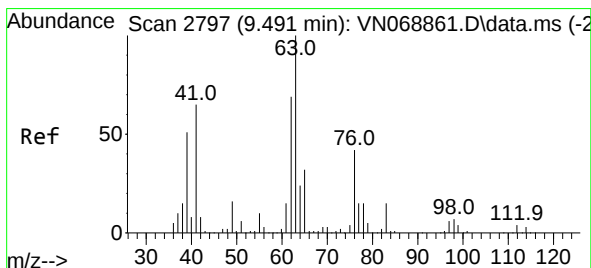
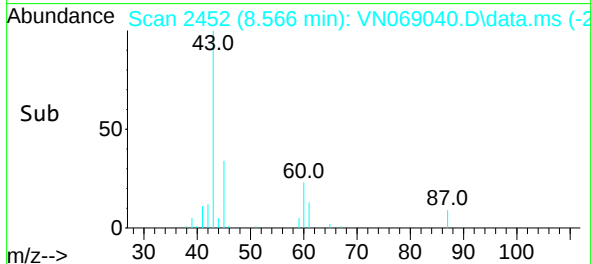
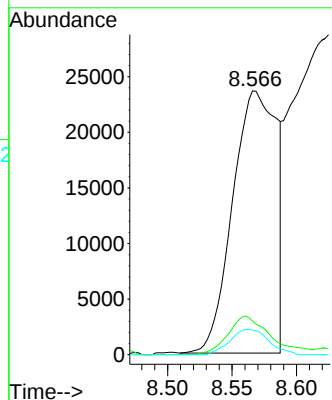
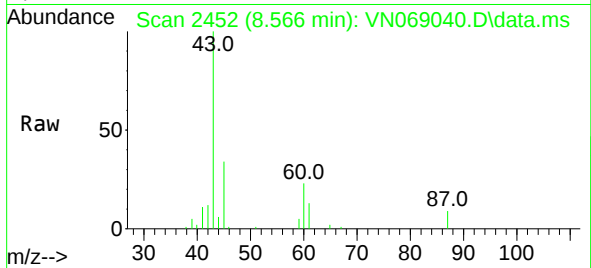




#43
Isopropyl Acetate
Concen: 6.054 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

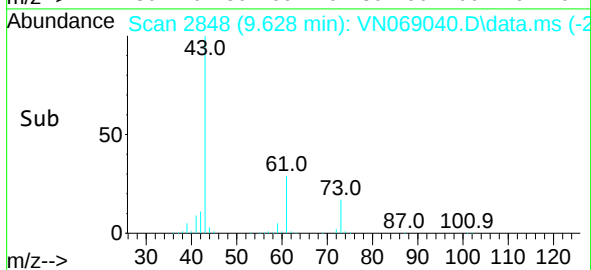
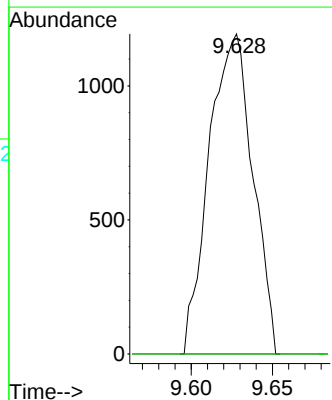
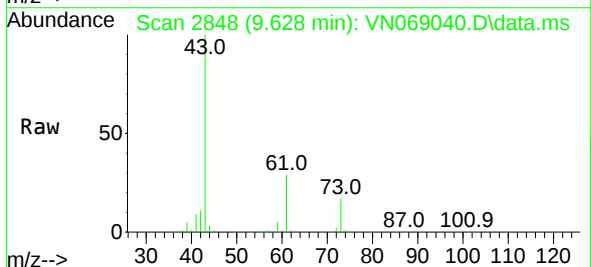
Instrument :
MSVOA_N
ClientSampled :

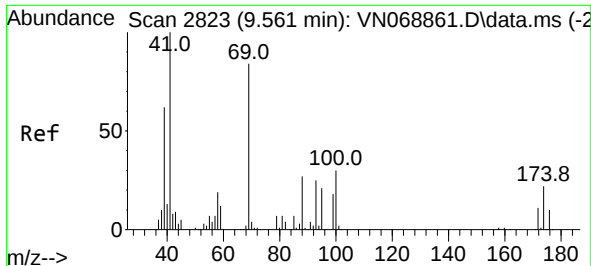
Tgt Ion: 43 Resp: 55787
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 8.5 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.560 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion: 63 Resp: 2236
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

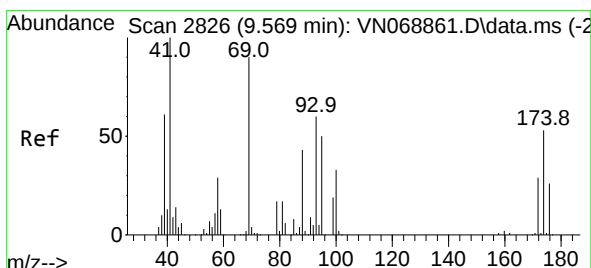
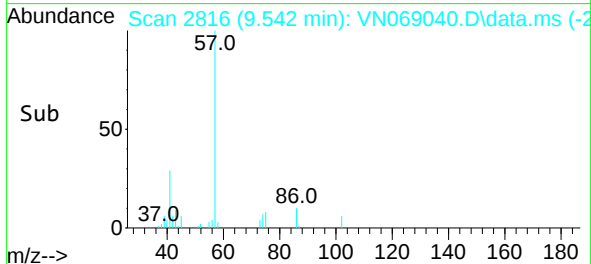
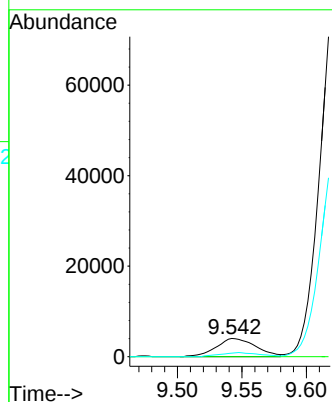
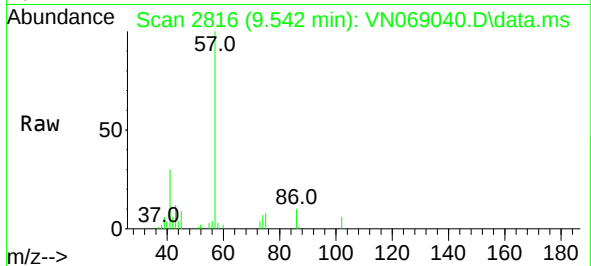




#48
Methyl methacrylate
Concen: 1.979 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

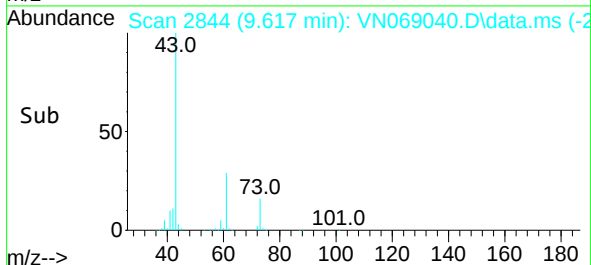
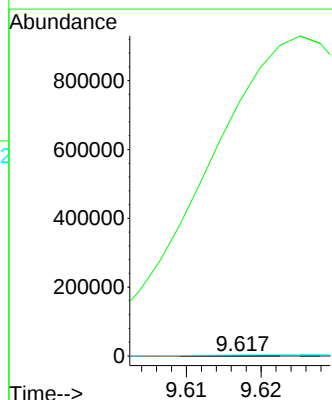
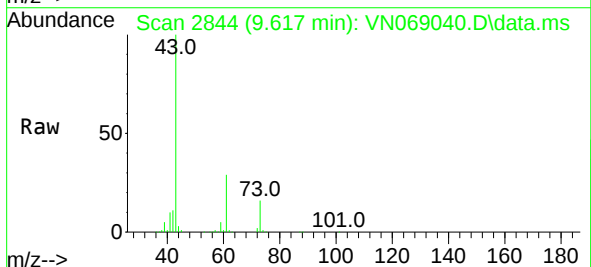
Instrument :
MSVOA_N
ClientSampleId :

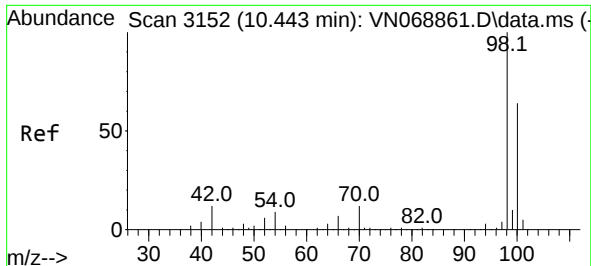
Tgt Ion: 41 Resp: 8568
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.216 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.048 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 56.9 85.3#

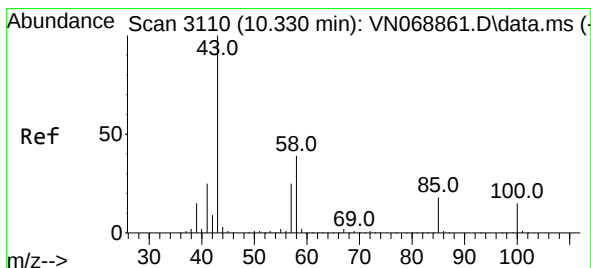
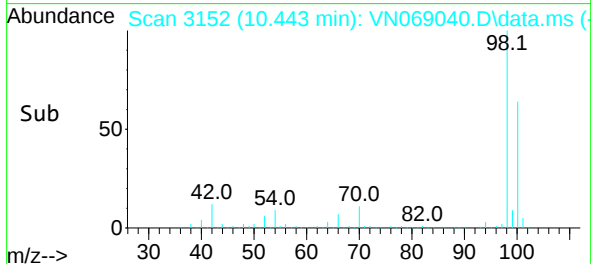
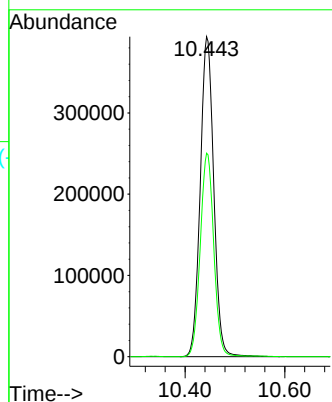
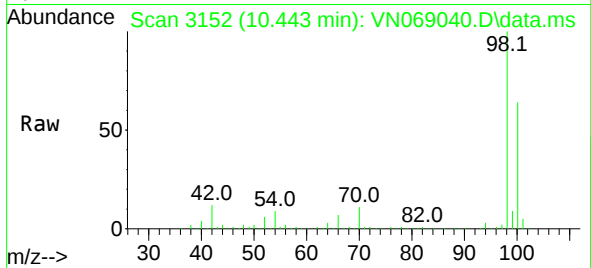




#50
Toluene-d8
Concen: 53.651 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

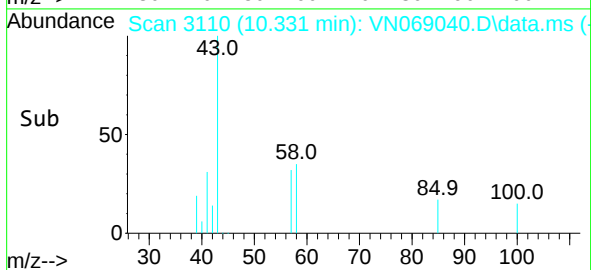
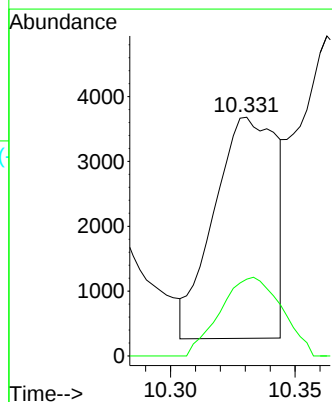
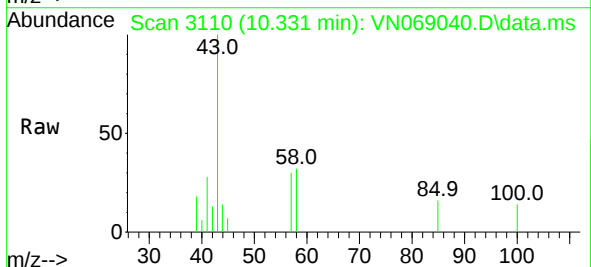
Instrument :
MSVOA_N
ClientSampled :

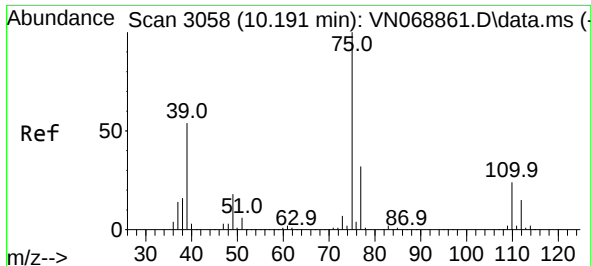
Tgt Ion: 98 Resp: 739446
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.114 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion: 43 Resp: 5950
Ion Ratio Lower Upper
43 100
58 35.0 31.0 46.4

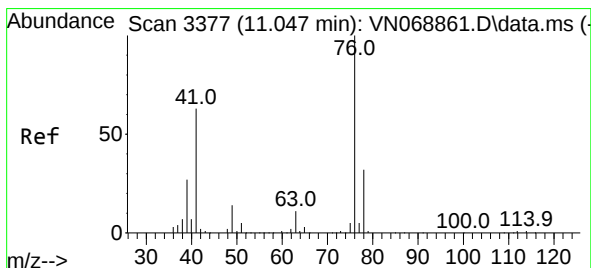
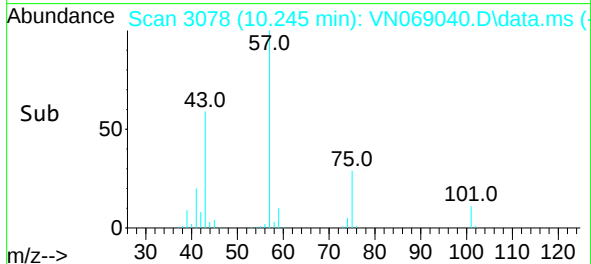
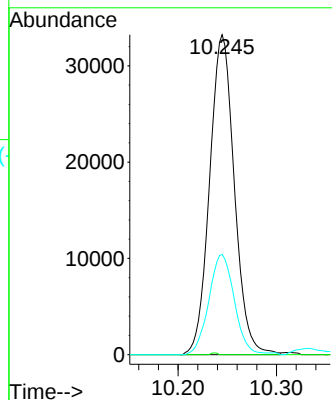
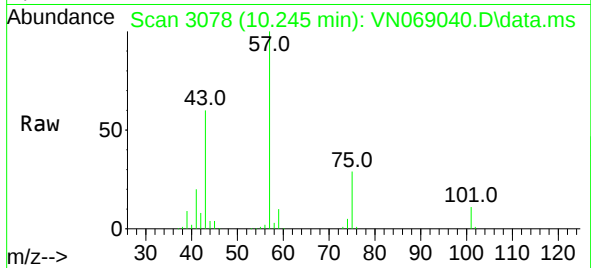




#54
 cis-1,3-Dichloropropene
 Concen: 8.718 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069040.D
 Acq: 19 Oct 2021 21:10

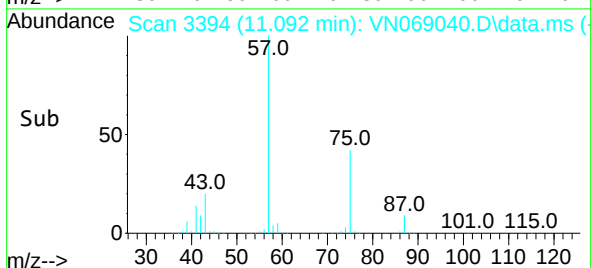
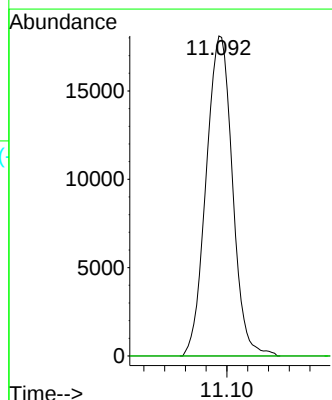
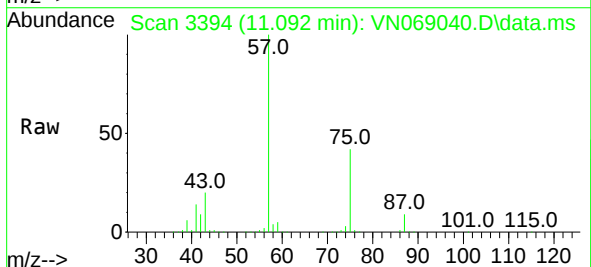
Instrument :
 MSVOA_N
 ClientSampled :

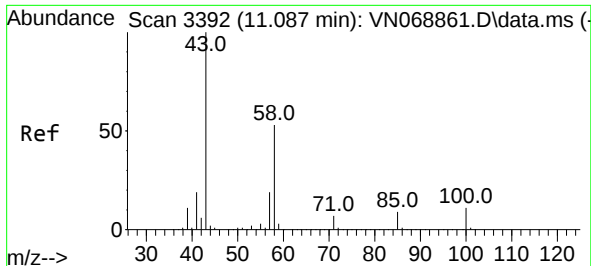
Tgt Ion: 75 Resp: 58074
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 31.3 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.950 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069040.D
 Acq: 19 Oct 2021 21:10

Tgt Ion: 76 Resp: 31881
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

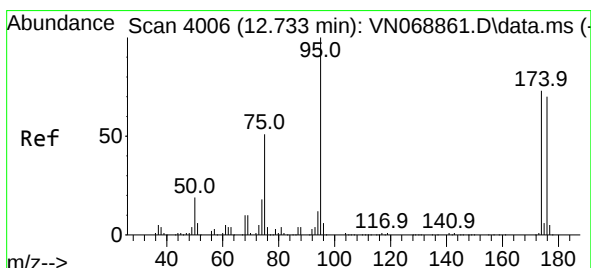
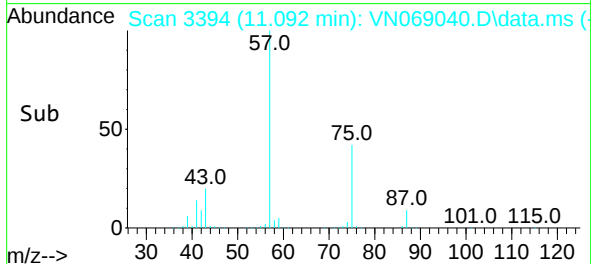
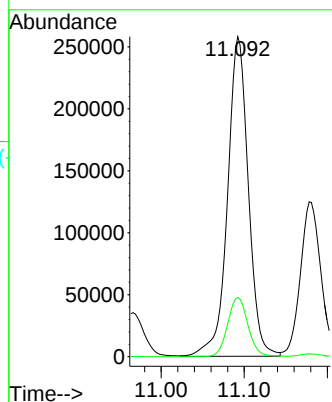
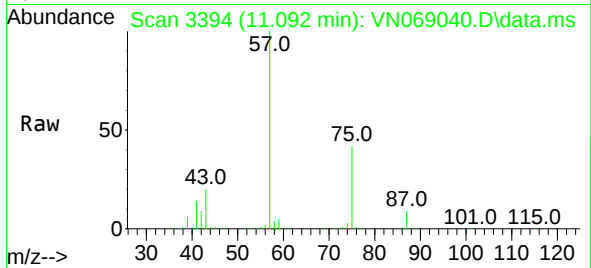




#59
2-Hexanone
Concen: 117.027 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

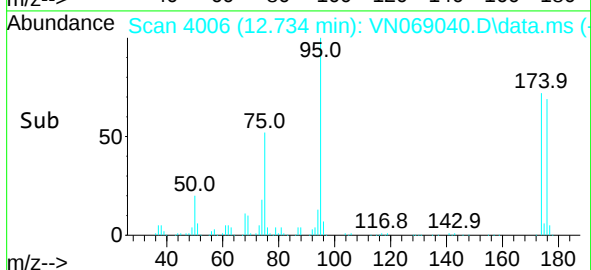
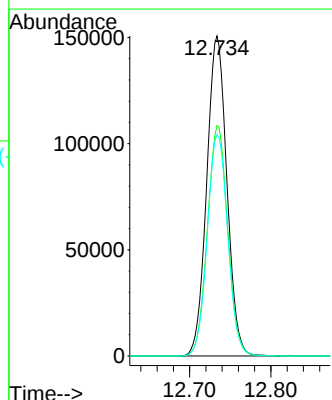
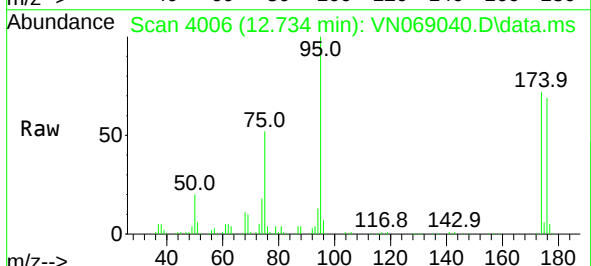
Instrument :
MSVOA_N
ClientSampled :

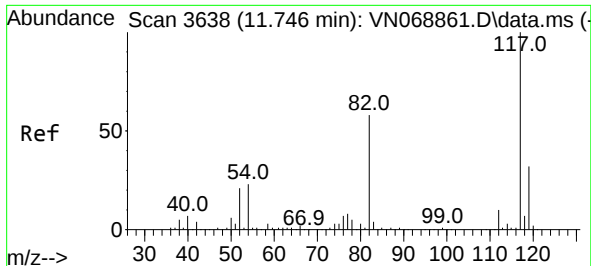
Tgt Ion: 43 Resp: 448443
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.908 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion: 95 Resp: 259520
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.8
176 70.1 0.0 140.0

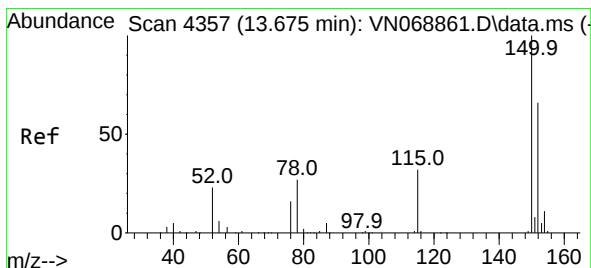
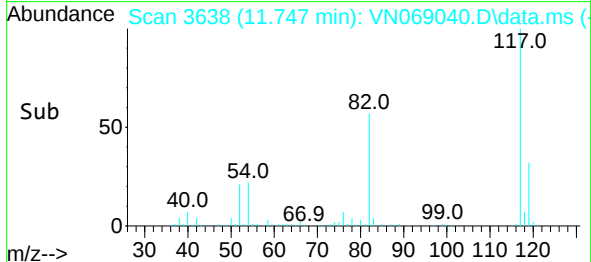
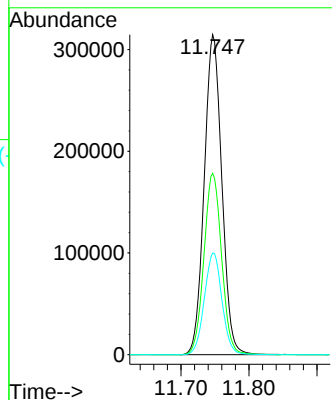
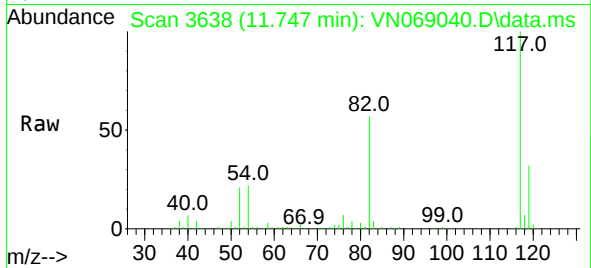




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

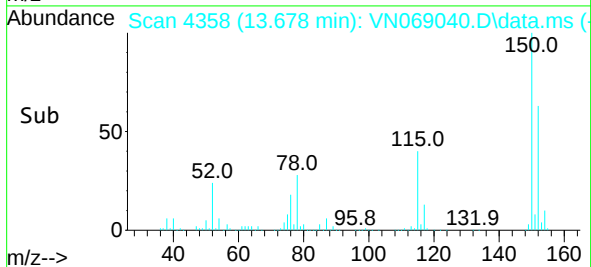
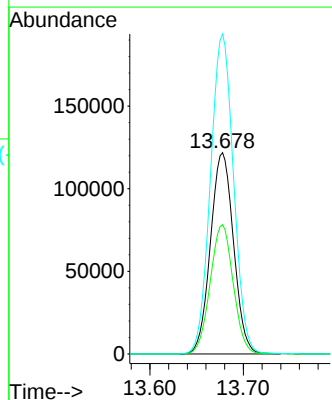
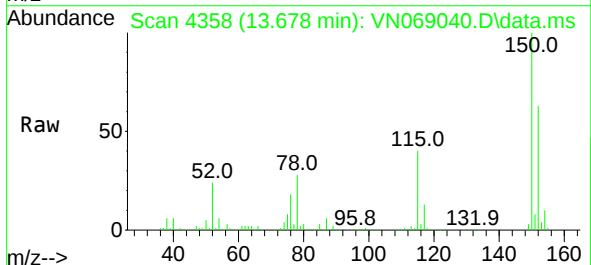
Instrument :
MSVOA_N
ClientSampled :

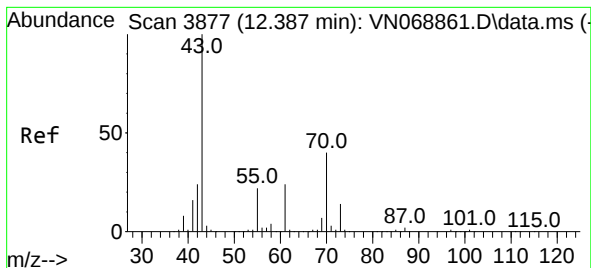
Tgt Ion:117 Resp: 565671
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 31.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion:152 Resp: 209209
Ion Ratio Lower Upper
152 100
115 64.0 31.4 94.3
150 158.6 0.0 351.0





#74

N-amy1 acetate

Concen: 2.939 ug/l

RT: 12.197 min Scan# 3806

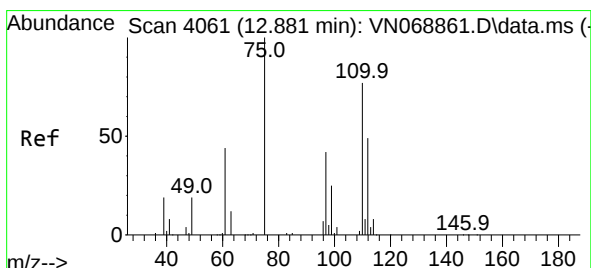
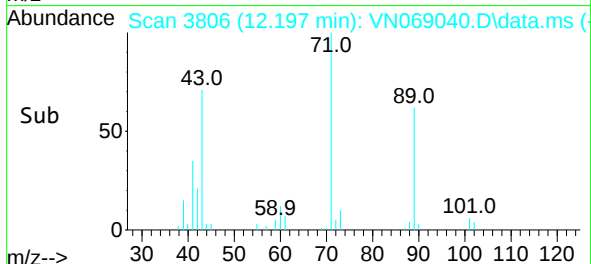
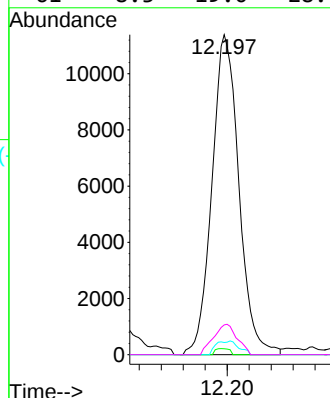
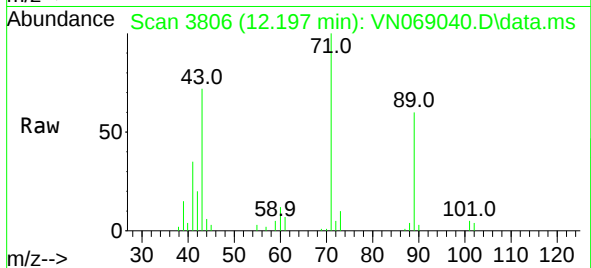
Delta R.T. -0.190 min

Lab File: VN069040.D

Acq: 19 Oct 2021 21:10

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	19392
Ion	Ratio	Lower	Upper
43	100		
70	1.0	32.2	48.2#
55	1.6	18.0	27.0#
61	8.3	19.0	28.4#



#76

1,2,3-Trichloropropane

Concen: 30.807 ug/l

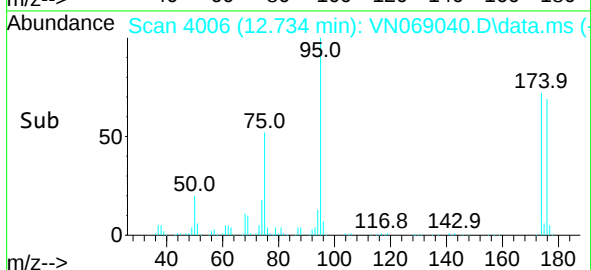
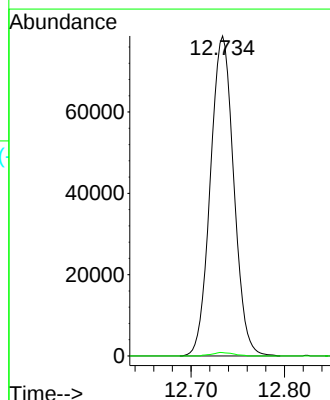
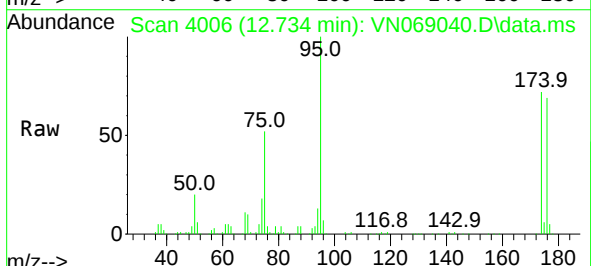
RT: 12.734 min Scan# 4006

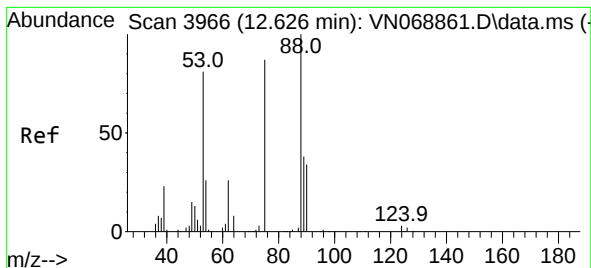
Delta R.T. -0.147 min

Lab File: VN069040.D

Acq: 19 Oct 2021 21:10

Tgt Ion:	75	Resp:	137135
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#

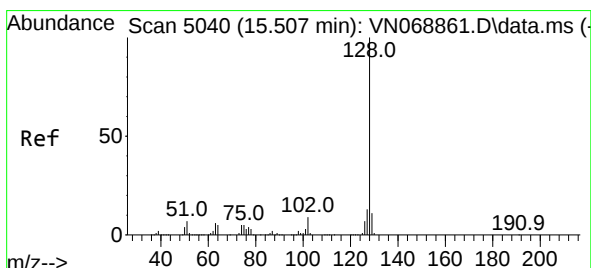
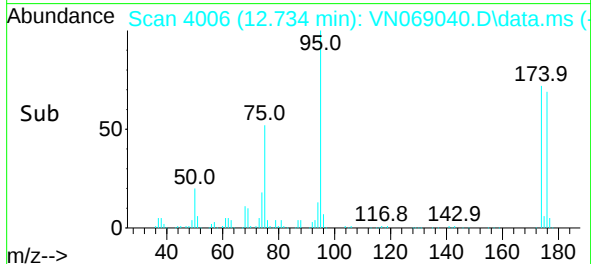
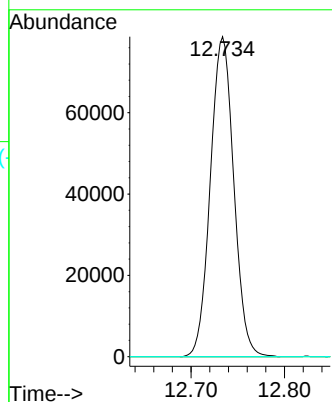
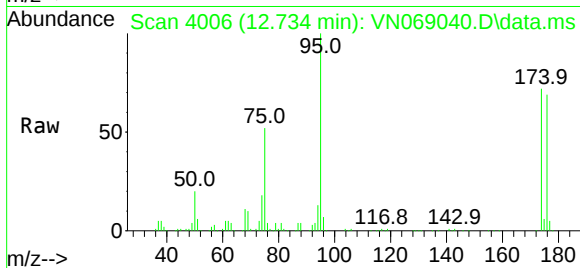




#81
trans-1,4-Dichloro-2-butene
Concen: 73.705 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 137135
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.826 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069040.D
Acq: 19 Oct 2021 21:10

Tgt Ion:128 Resp: 149
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

