

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069099.D
 Acq On : 21 Oct 2021 19:49
 Operator : JC/MD
 Sample : PB140087TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 01:35:24 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)

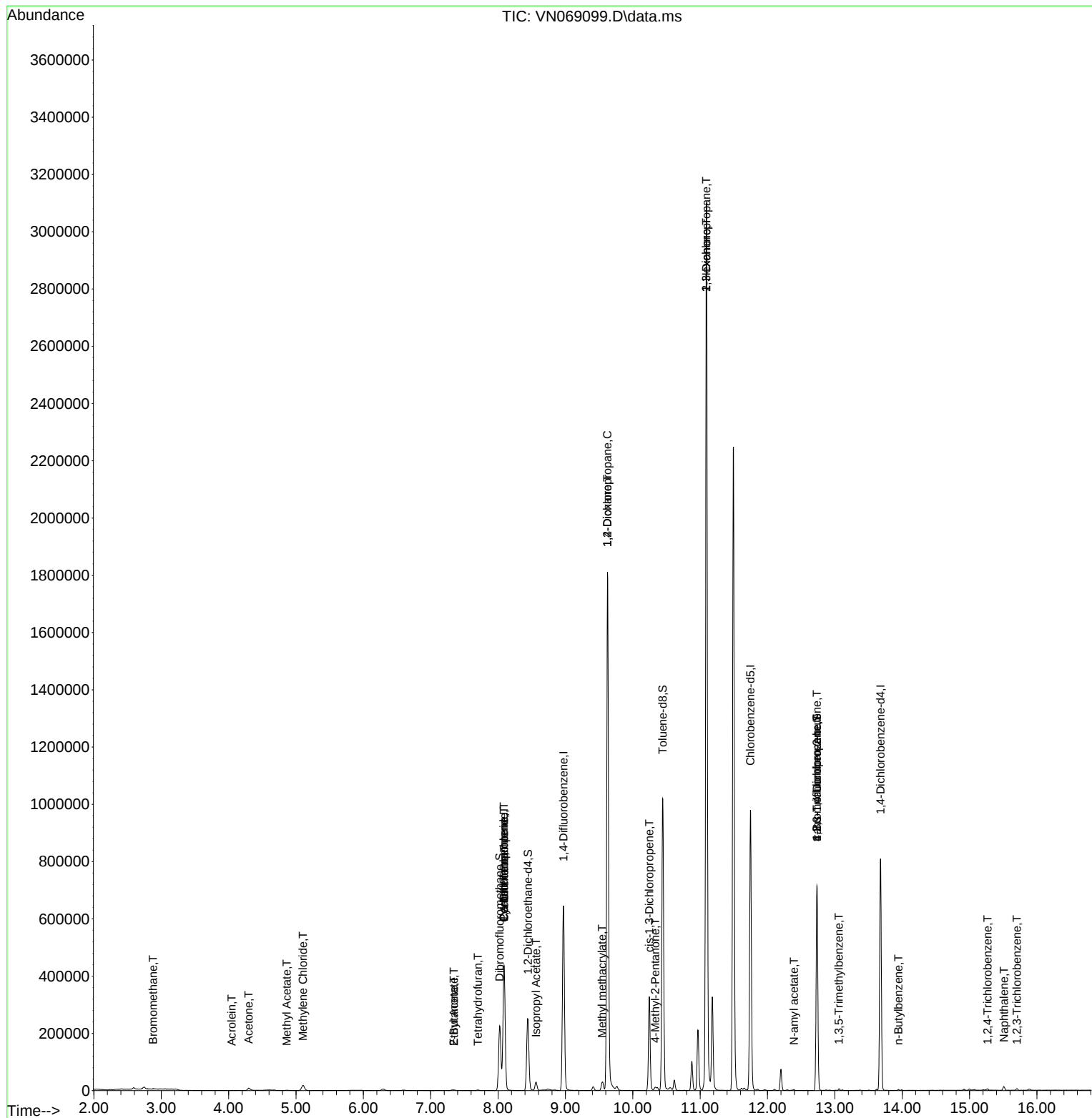
Internal Standards						
1) Pentafluorobenzene	8.088	168	327935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	577780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	568587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	209870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	216436	50.058	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.120%		
35) Dibromofluoromethane	8.024	113	168925	50.252	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.500%		
50) Toluene-d8	10.443	98	731366	54.376	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 108.760%		
62) 4-Bromofluorobenzene	12.733	95	261775	51.585	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 103.180%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.877	94	458	0.205	ug/l	87
13) Acrolein	4.044	56	191	0.546	ug/l #	45
16) Acetone	4.296	43	16059	9.953	ug/l	98
18) Methyl Acetate	4.865	43	1606	0.262	ug/l #	86
20) Methylene Chloride	5.103	84	15118	4.071	ug/l	96
25) 2-Butanone	7.343	43	4264	1.748	ug/l #	85
29) Tetrahydrofuran	7.702	42	1424	0.900	ug/l #	48
31) Cyclohexane	8.091	56	7787	1.158	ug/l #	2
36) 1,1-Dichloropropene	8.088	75	27276	5.527	ug/l #	49
37) Ethyl Acetate	7.343	43	4264	0.837	ug/l #	68
38) Carbon Tetrachloride	8.088	117	34570	6.378	ug/l #	15
43) Isopropyl Acetate	8.563	43	34745	3.863	ug/l #	92
45) 1,2-Dichloropropane	9.622	63	2063	0.529	ug/l #	43
48) Methyl methacrylate	9.545	41	7919	1.874	ug/l #	13
49) 1,4-Dioxane	9.622	88	24	35.915	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	8363	1.604	ug/l	96
54) cis-1,3-Dichloropropene	10.245	75	62271	9.579	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	34113	5.427	ug/l #	42
59) 2-Hexanone	11.092	43	485390	129.799	ug/l #	51
74) N-amyl acetate	12.393	43	2456	0.371	ug/l #	77
76) 1,2,3-Trichloropropane	12.733	75	137710	30.839	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.061	105	3156	0.217	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.733	75	137710	73.781	ug/l #	12
89) n-Butylbenzene	13.943	91	2568	0.219	ug/l	88
93) 1,2,4-Trichlorobenzene	15.268	180	2007	3.141	ug/l	99
95) Naphthalene	15.509	128	13034	5.048	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	2442	3.205	ug/l	98

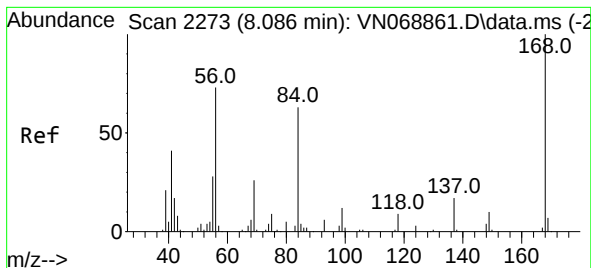
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN069099.D

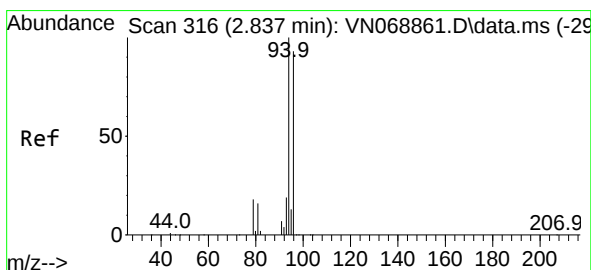
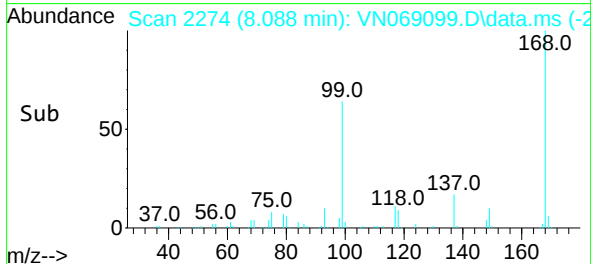
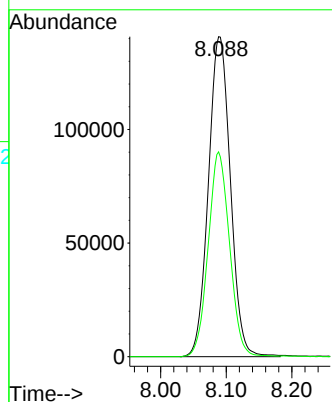
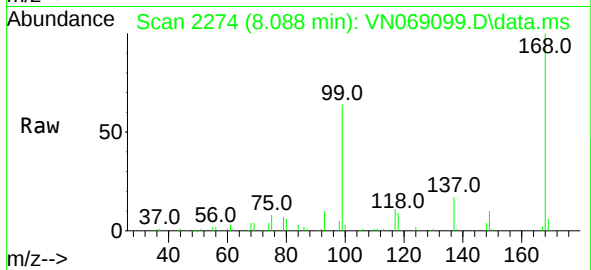
Acq: 21 Oct 2021 19:49

Tgt Ion:168 Resp: 327935

Ion Ratio Lower Upper

168 100

99 64.0 48.9 73.3



#5

Bromomethane

Concen: 0.205 ug/l

RT: 2.877 min Scan# 331

Delta R.T. 0.040 min

Lab File: VN069099.D

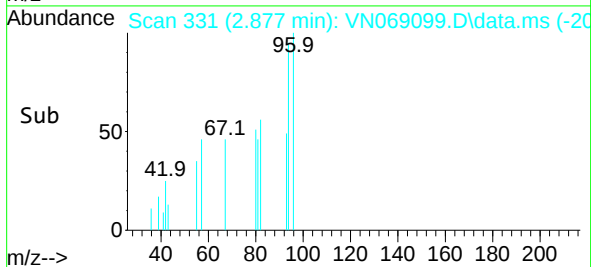
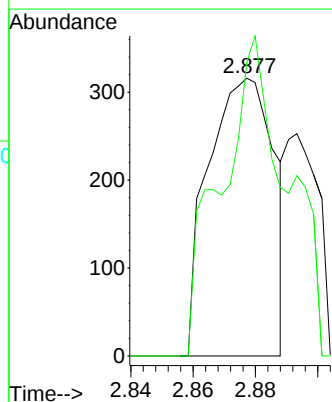
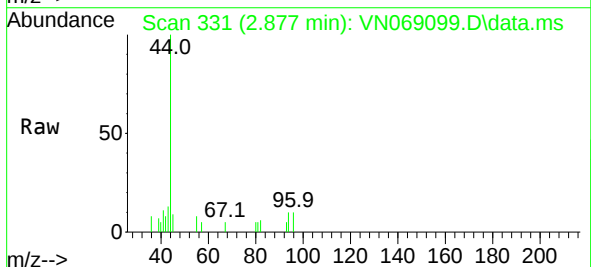
Acq: 21 Oct 2021 19:49

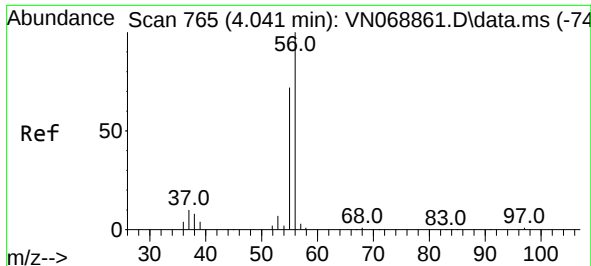
Tgt Ion: 94 Resp: 458

Ion Ratio Lower Upper

94 100

96 105.7 74.2 111.4

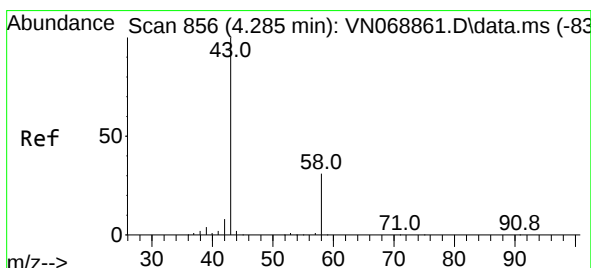
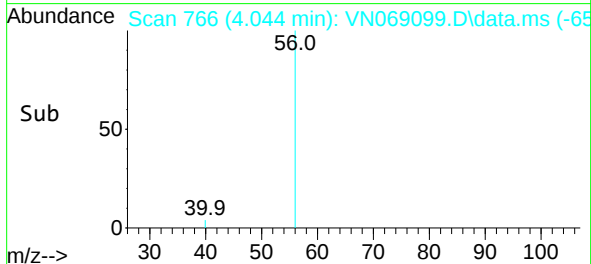
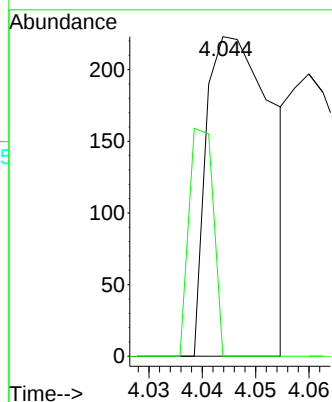
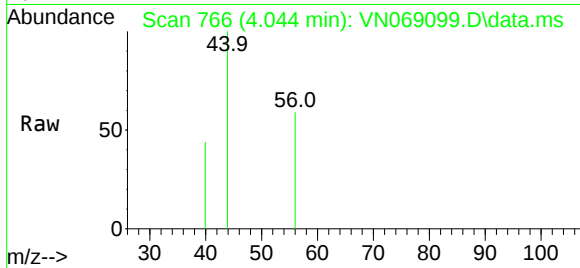




#13
Acrolein
Concen: 0.546 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

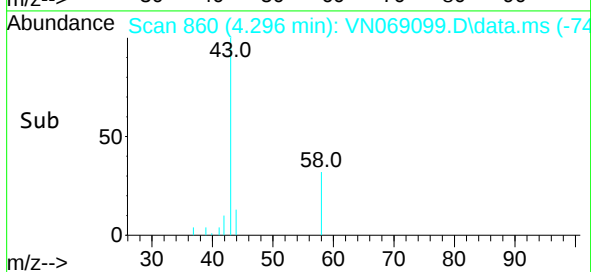
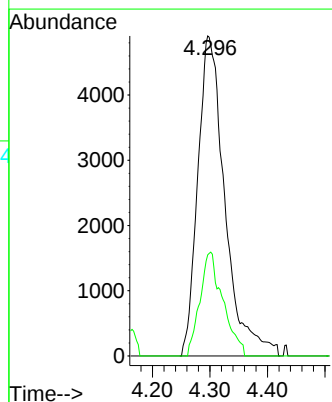
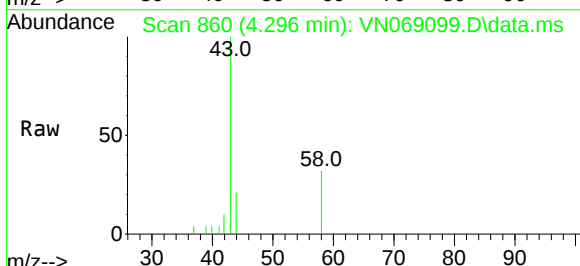
Instrument :
MSVOA_N
ClientSampled :

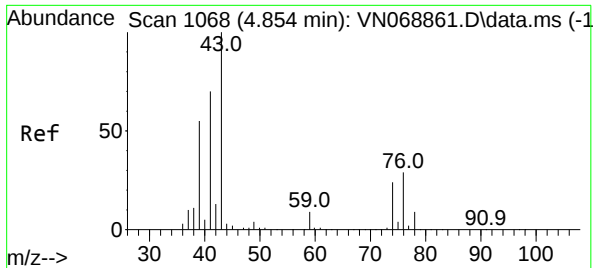
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 26.7 58.1 87.1#



#16
Acetone
Concen: 9.953 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 43 Resp: 16059
Ion Ratio Lower Upper
43 100
58 31.6 24.5 36.7

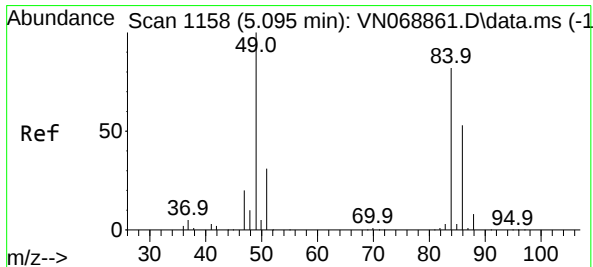
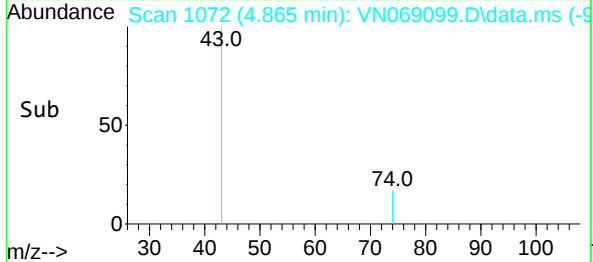
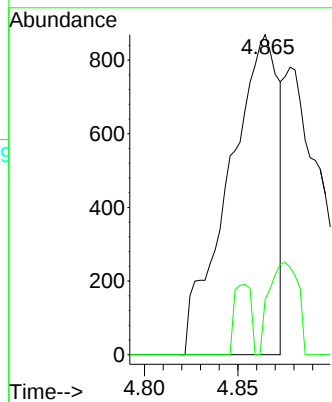
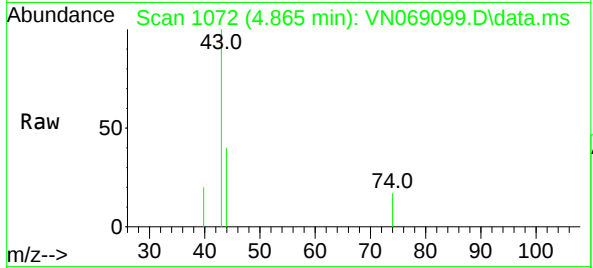




#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

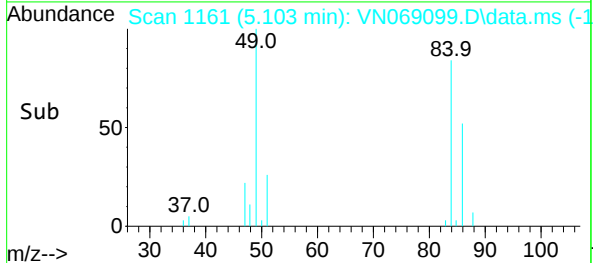
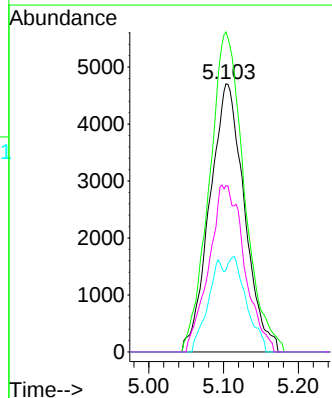
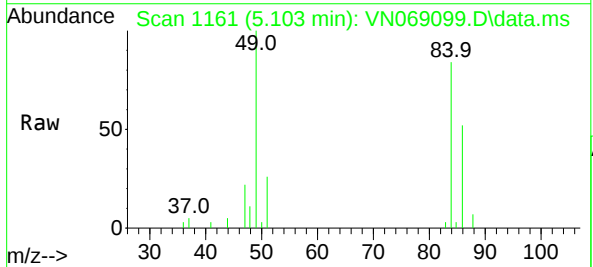
Instrument :
MSVOA_N
ClientSampled :

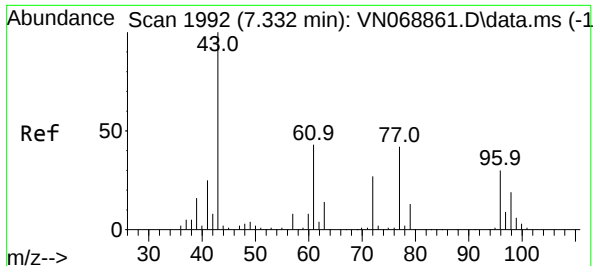
Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
74 16.7 18.9 28.3#



#20
Methylene Chloride
Concen: 4.071 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 84 Resp: 15118
Ion Ratio Lower Upper
84 100
49 119.3 97.6 146.4
51 30.6 30.3 45.5
86 62.1 51.8 77.6

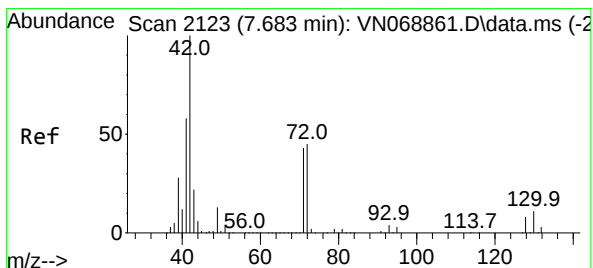
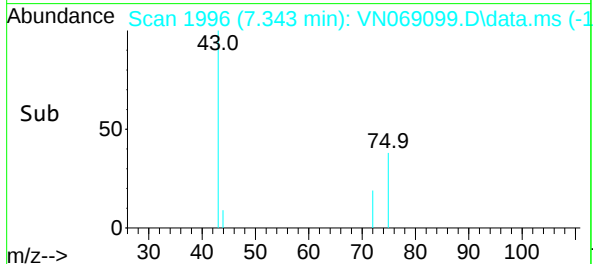
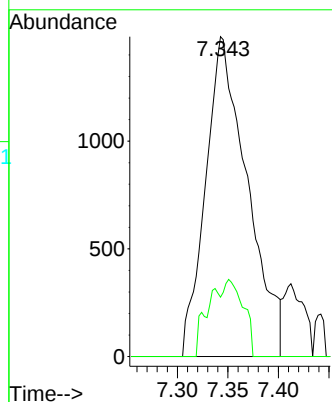
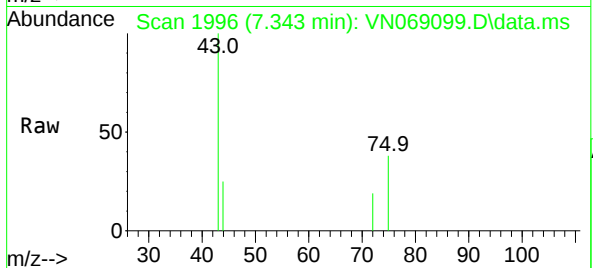




#25
2-Butanone
Concen: 1.748 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

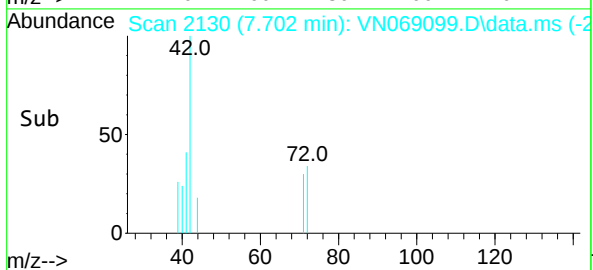
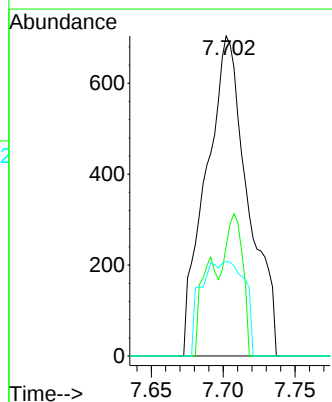
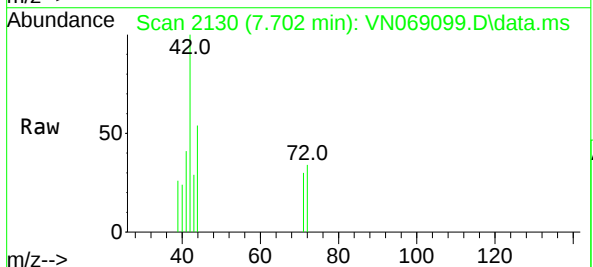
Instrument :
MSVOA_N
ClientSampled :

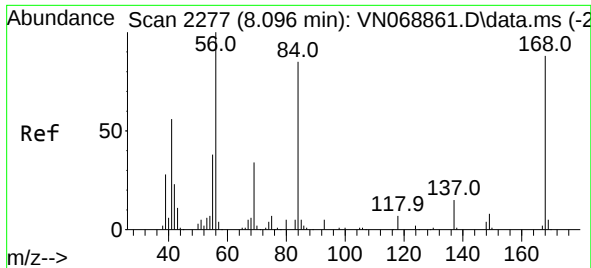
Tgt Ion: 43 Resp: 4264
Ion Ratio Lower Upper
43 100
72 18.6 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.900 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 42 Resp: 1424
Ion Ratio Lower Upper
42 100
72 19.4 35.4 53.2#
71 0.0 33.8 50.6#

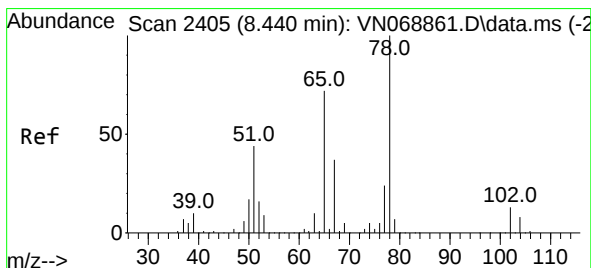
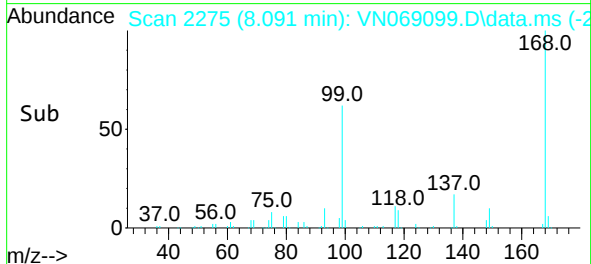
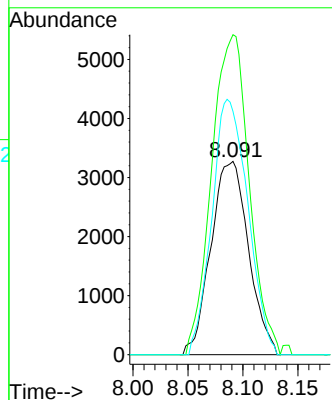
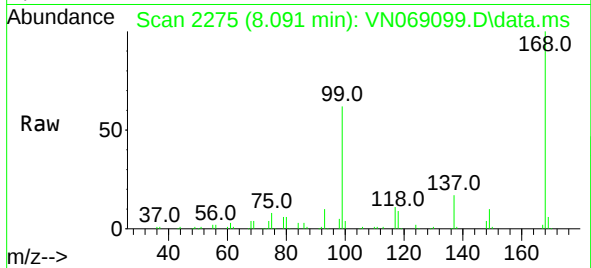




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

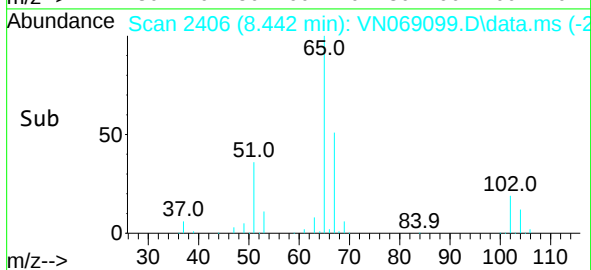
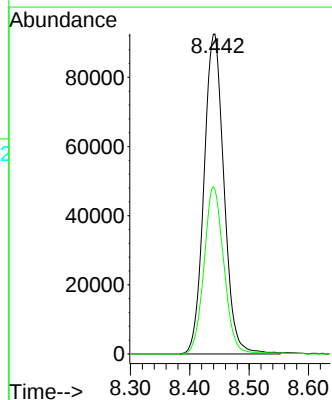
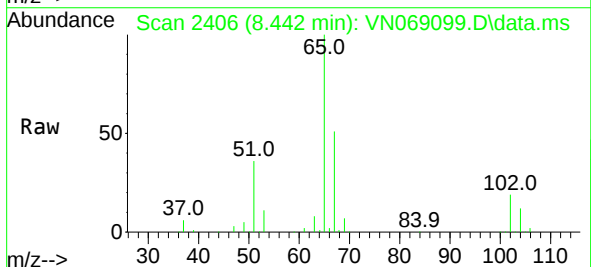
Instrument :
MSVOA_N
ClientSampled :

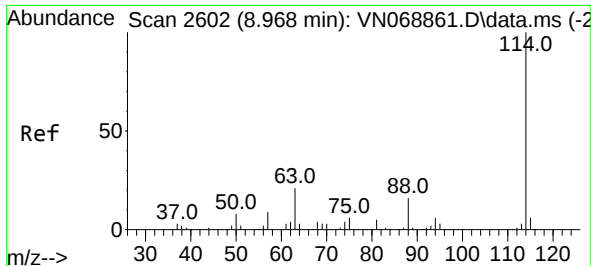
Tgt Ion: 56 Resp: 7787
Ion Ratio Lower Upper
56 100
69 165.6 26.9 40.3#
84 125.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 50.058 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 65 Resp: 216436
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8

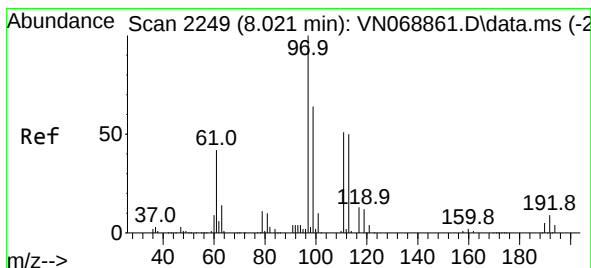
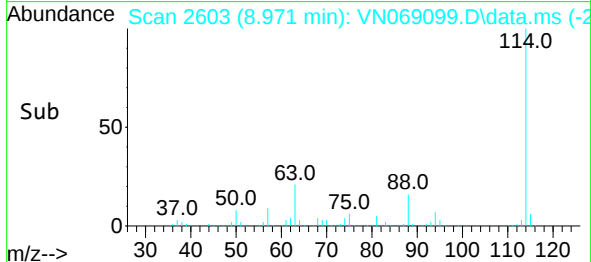
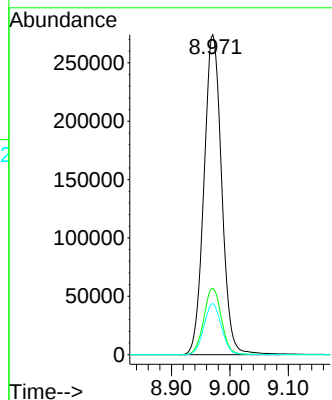
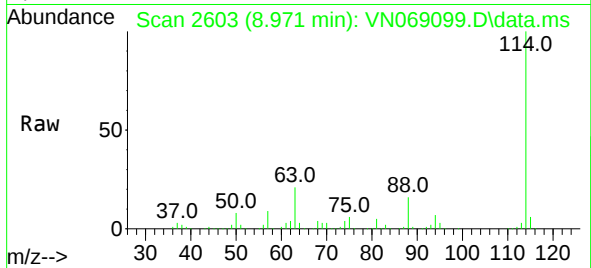




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

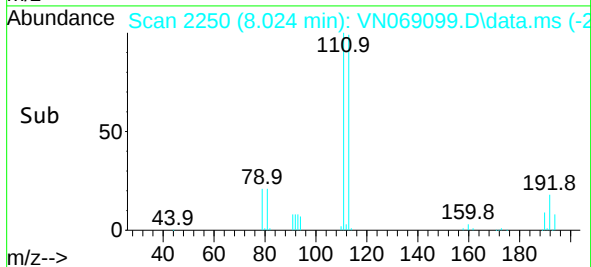
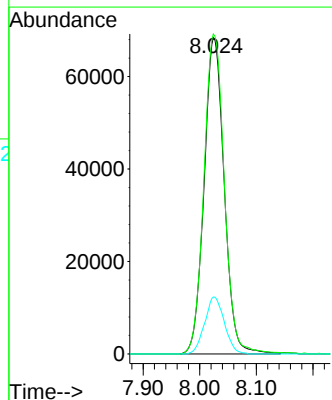
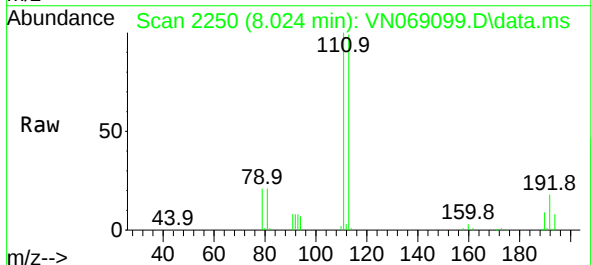
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MSVOA_N
ClientSampled :

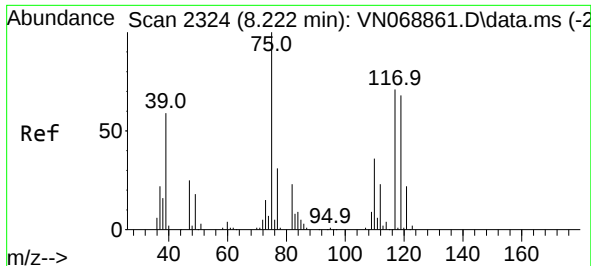
Tgt Ion:114 Resp: 577780
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.252 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

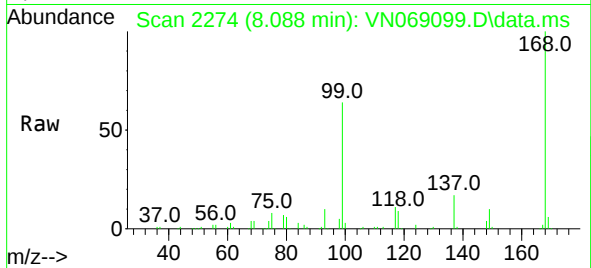
Tgt Ion:113 Resp: 168925
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 17.6 15.0 22.4



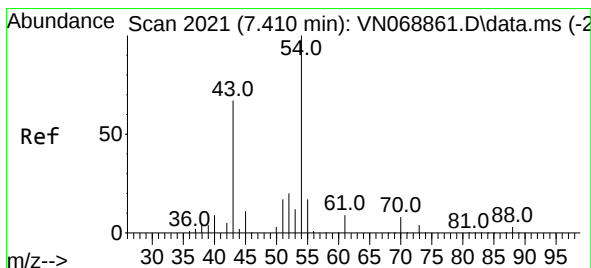
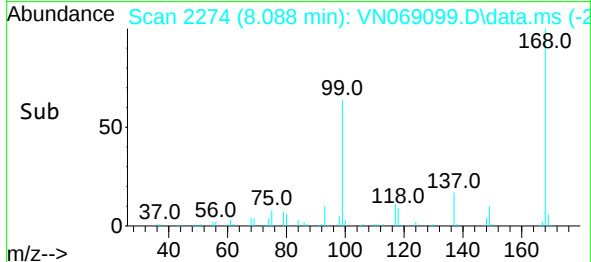
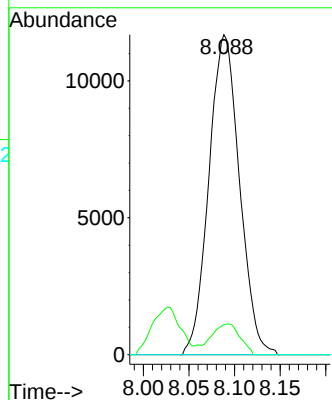


#36
1,1-Dichloropropene
Concen: 5.527 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampled :

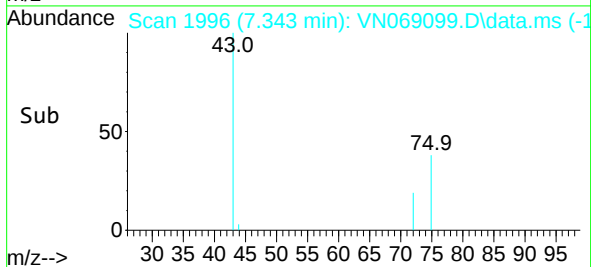
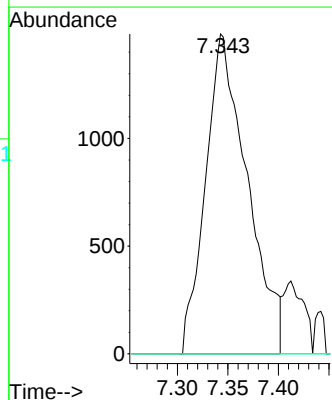
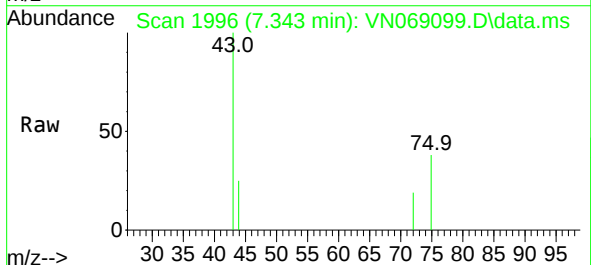


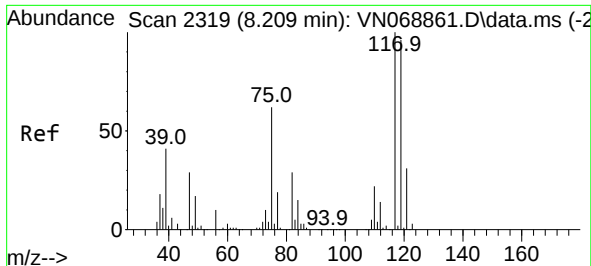
Tgt Ion: 75 Resp: 27276
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.837 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.067 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

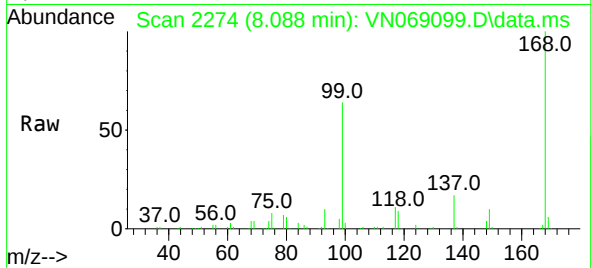
Tgt Ion: 43 Resp: 4264
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



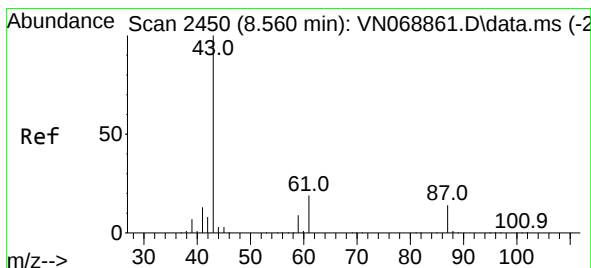
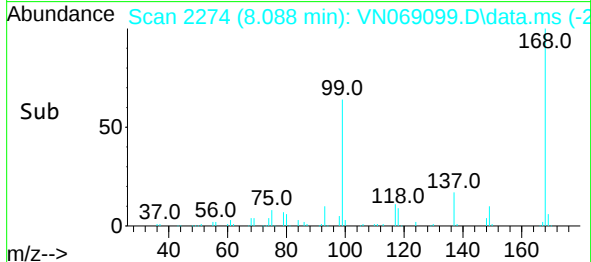
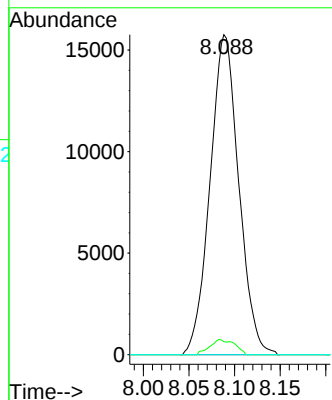


#38
Carbon Tetrachloride
Concen: 6.378 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampled :

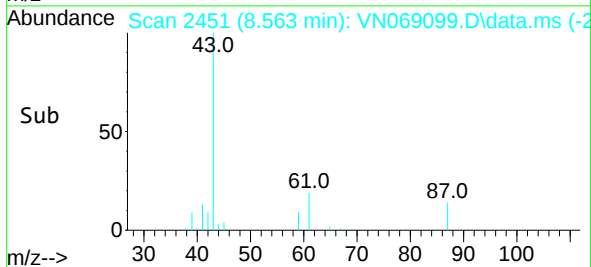
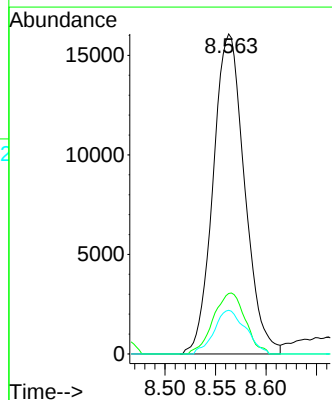
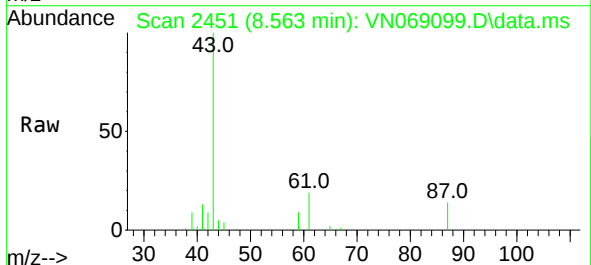


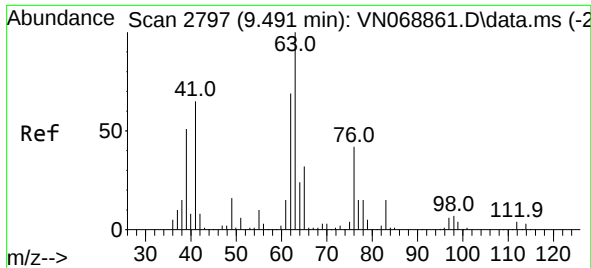
Tgt Ion:117 Resp: 34570
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 3.863 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 43 Resp: 34745
Ion Ratio Lower Upper
43 100
61 19.4 20.4 30.6#
87 13.7 10.7 16.1

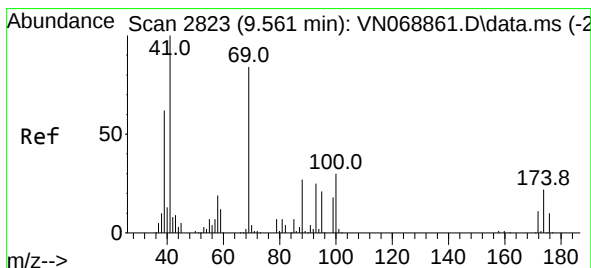
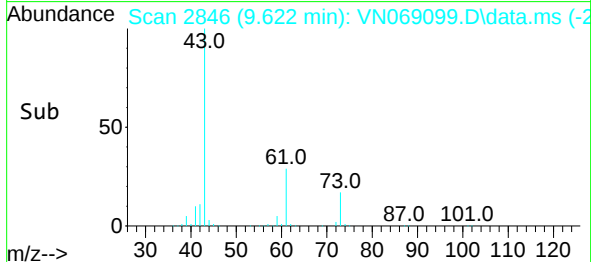
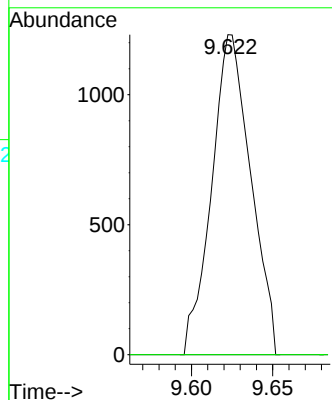
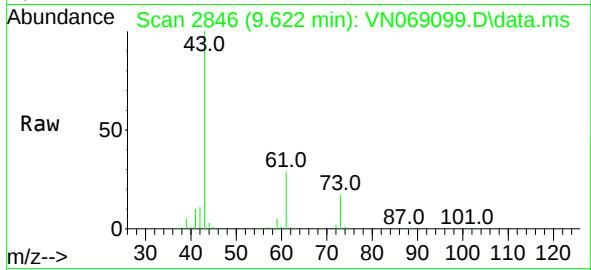




#45
1,2-Dichloropropane
Concen: 0.529 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

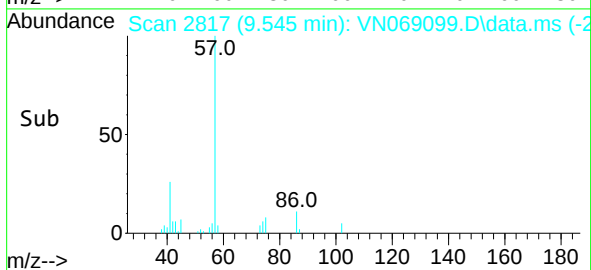
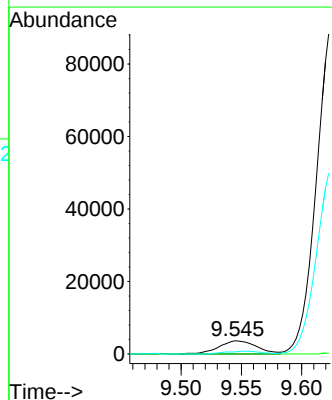
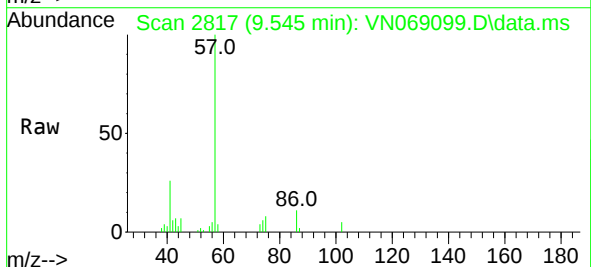
Instrument :
MSVOA_N
ClientSampled :

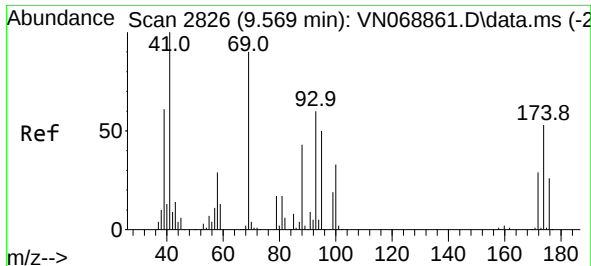
Tgt Ion: 63 Resp: 2063
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.874 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 41 Resp: 7919
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

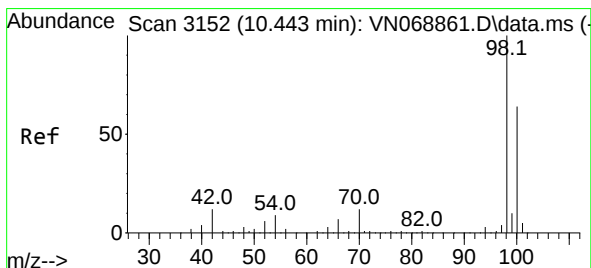
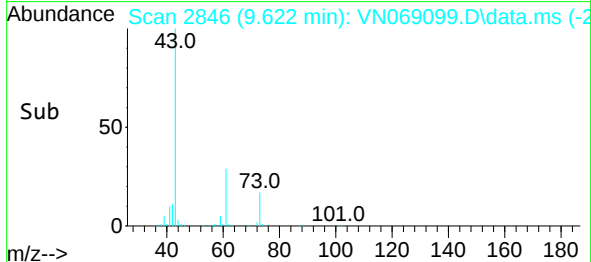
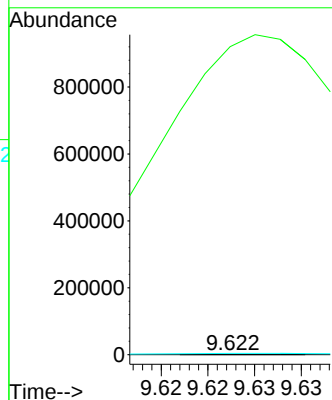
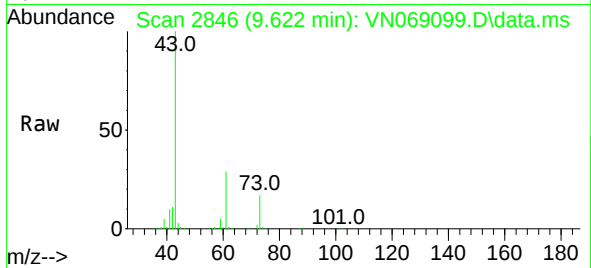




#49
1,4-Dioxane
Concen: 35.915 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

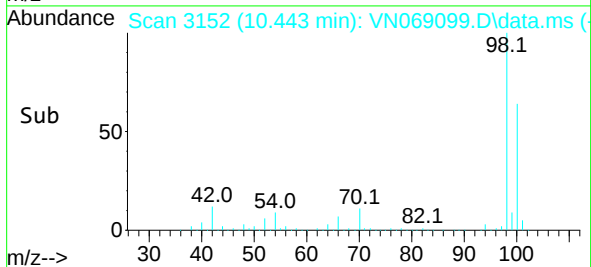
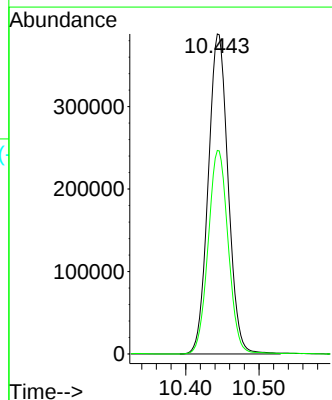
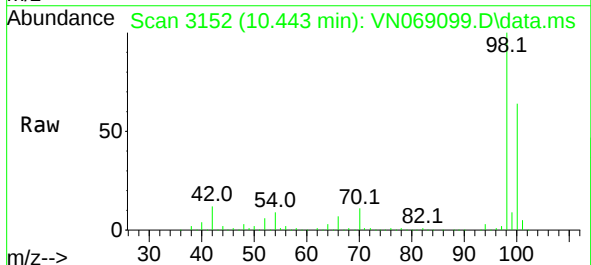
Instrument :
MSVOA_N
ClientSampled :

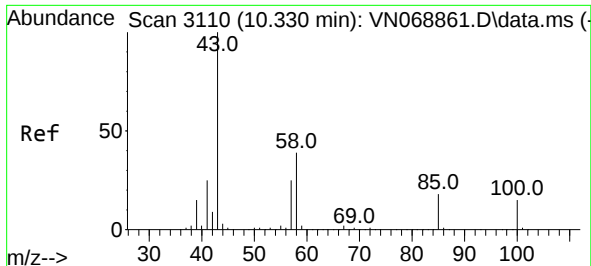
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 7482079.2 24.9 37.3#
58 29262.5 56.9 85.3#



#50
Toluene-d8
Concen: 54.376 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 98 Resp: 731366
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3

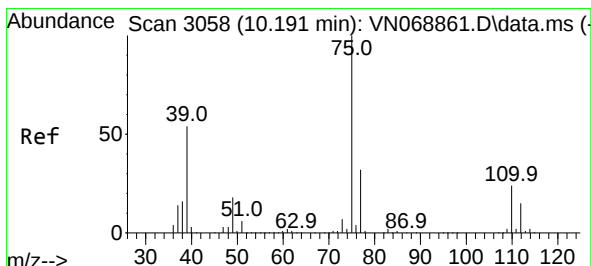
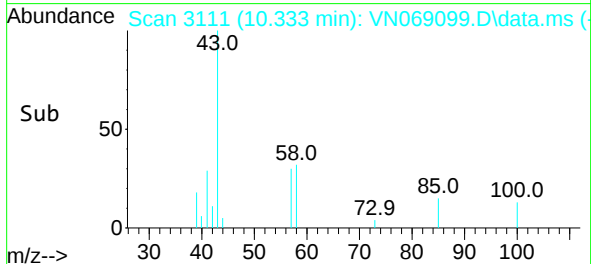
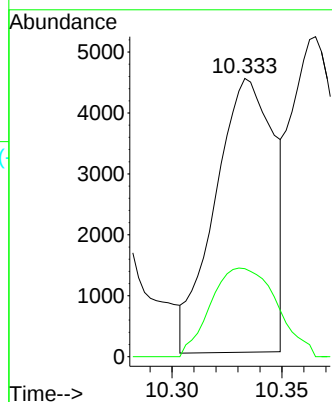
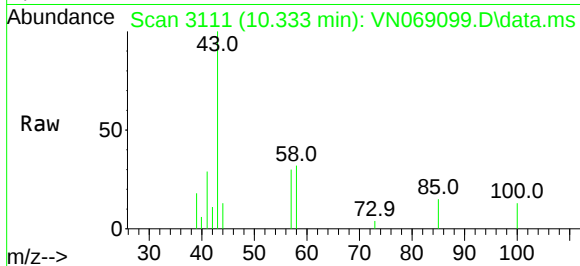




#51
4-Methyl-2-Pentanone
Concen: 1.604 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

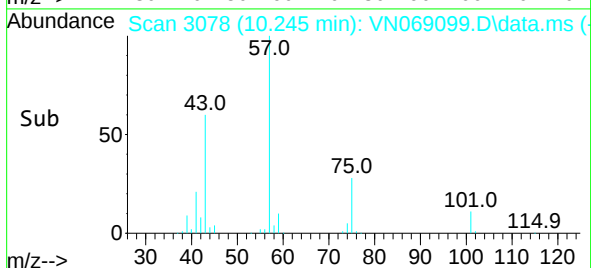
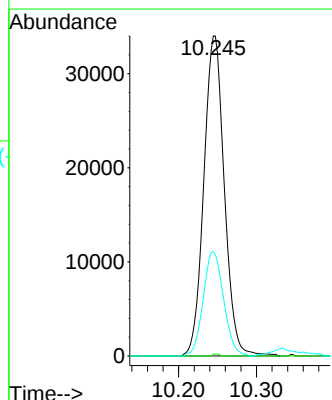
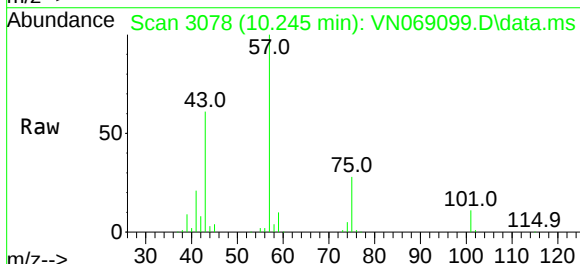
Instrument :
MSVOA_N
ClientSampled :

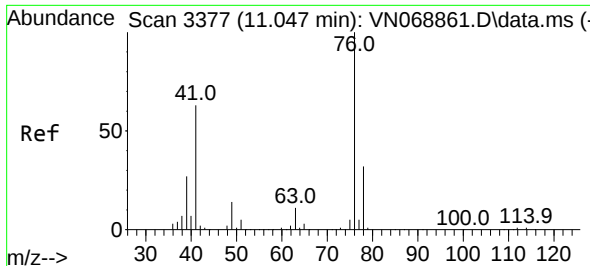
Tgt Ion: 43 Resp: 8363
Ion Ratio Lower Upper
43 100
58 36.4 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 9.579 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 75 Resp: 62271
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 32.6 42.9 64.3#

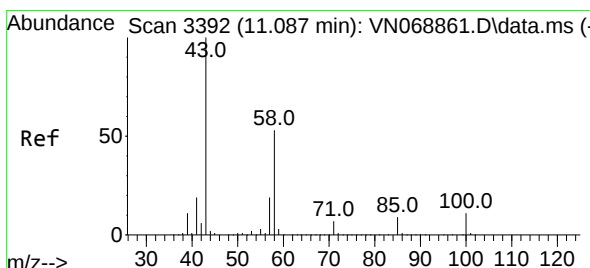
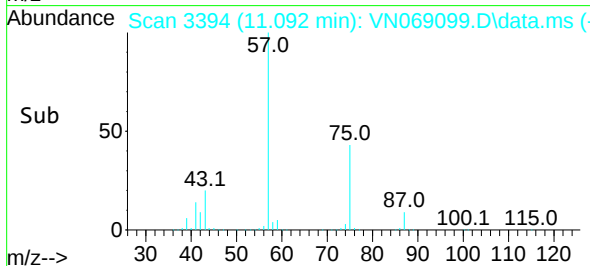
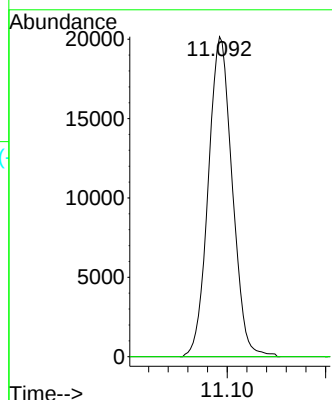
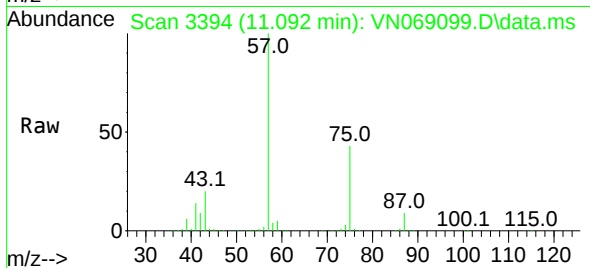




#57
1,3-Dichloropropane
Concen: 5.427 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

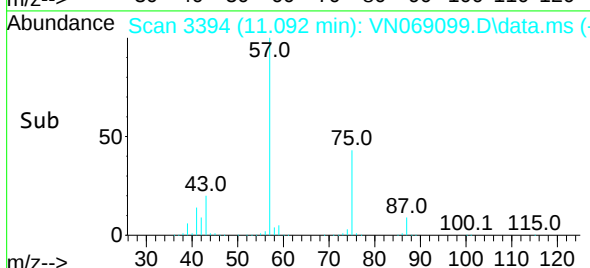
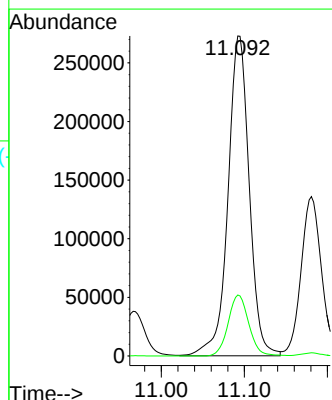
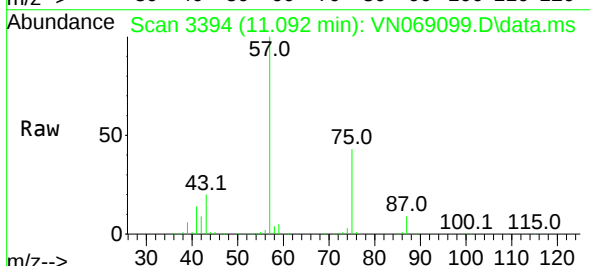
Instrument :
MSVOA_N
ClientSampled :

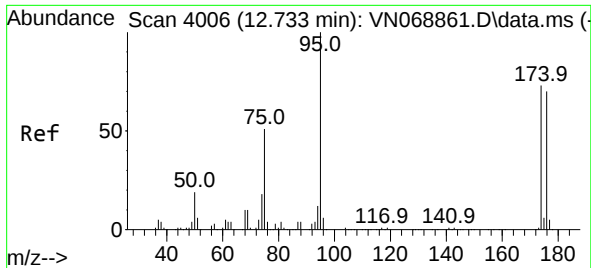
Tgt Ion: 76 Resp: 34113
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 129.799 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 43 Resp: 485390
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#

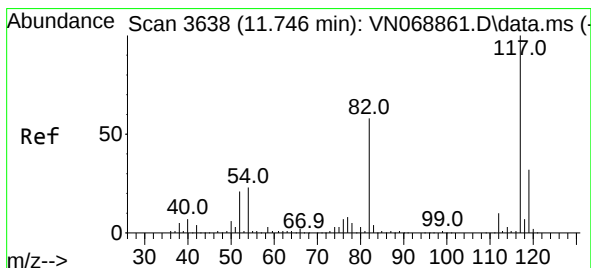
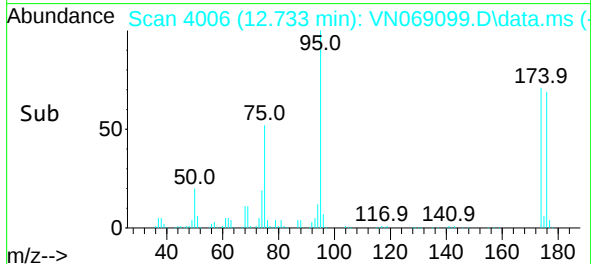
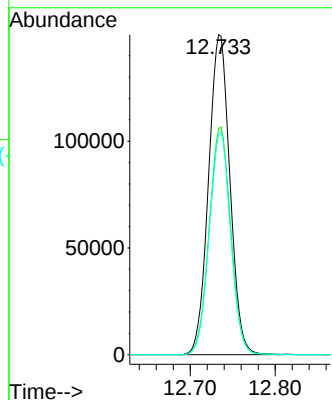
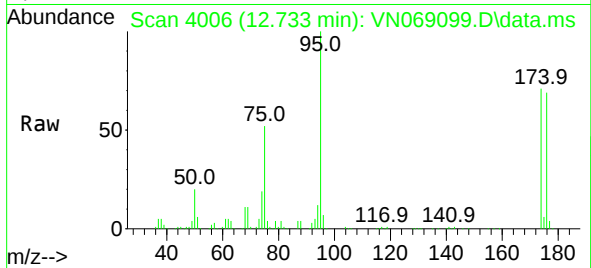




#62
4-Bromofluorobenzene
Concen: 51.585 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

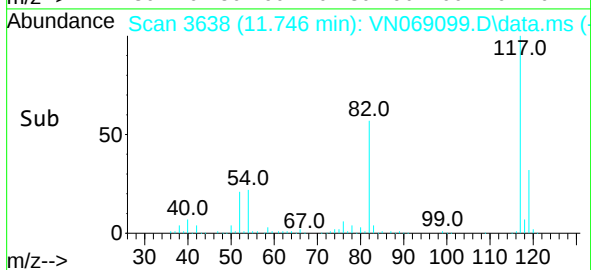
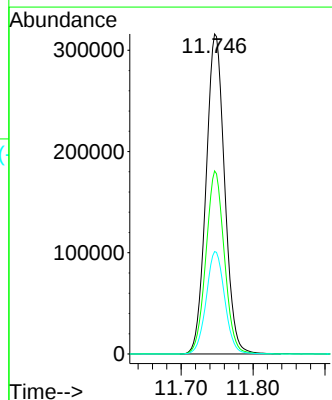
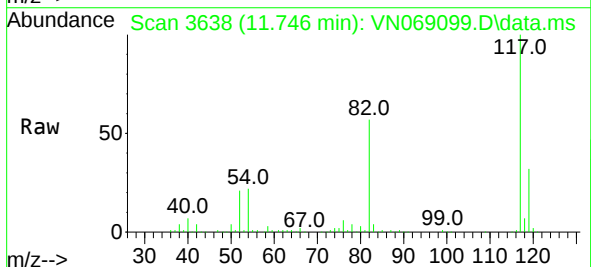
Instrument :
MSVOA_N
ClientSampled :

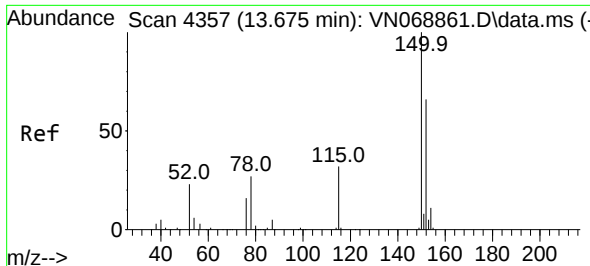
Tgt Ion: 95 Resp: 261775
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.8
176 69.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 117 Resp: 568587
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 32.0 26.0 39.0

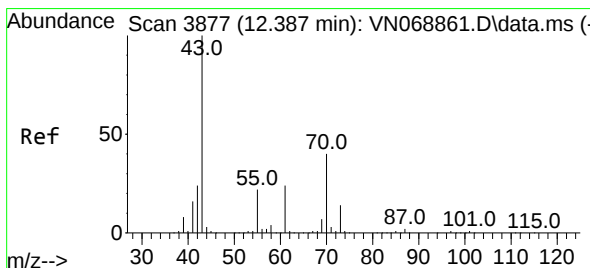
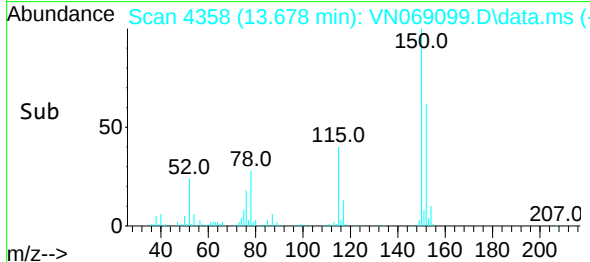
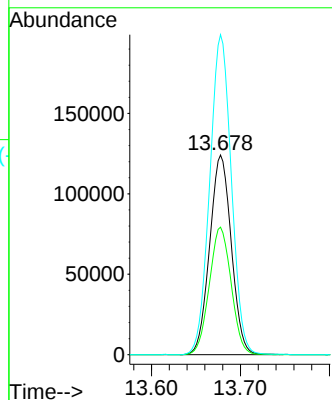
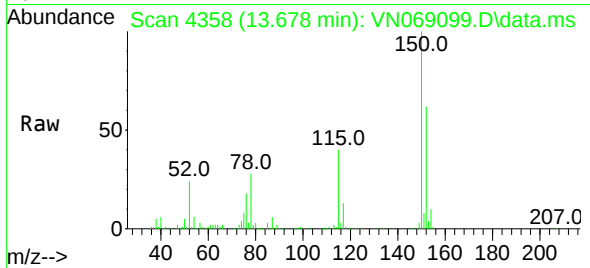




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

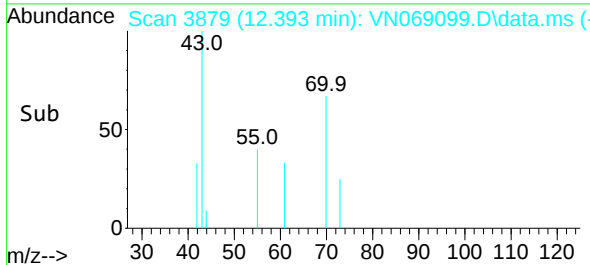
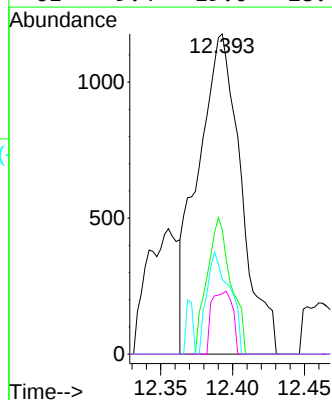
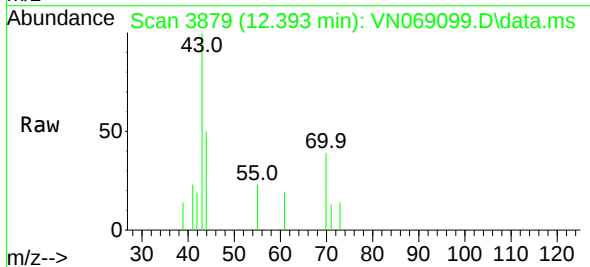
Instrument :
MSVOA_N
ClientSampleId :

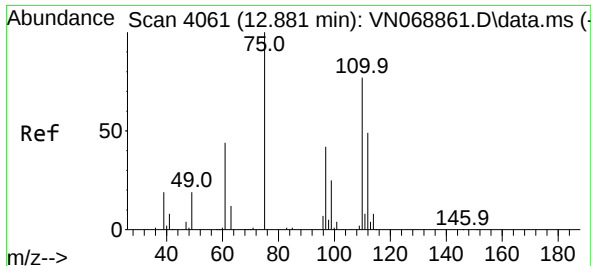
Tgt Ion:152 Resp: 209870
Ion Ratio Lower Upper
152 100
115 64.4 31.4 94.3
150 159.7 0.0 351.0



#74
N-ethyl acetate
Concen: 0.371 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 43 Resp: 2456
Ion Ratio Lower Upper
43 100
70 23.7 32.2 48.2#
55 16.9 18.0 27.0#
61 9.4 19.0 28.4#

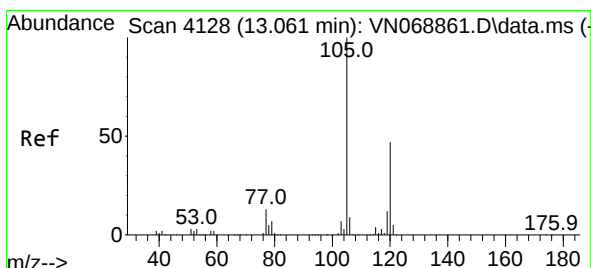
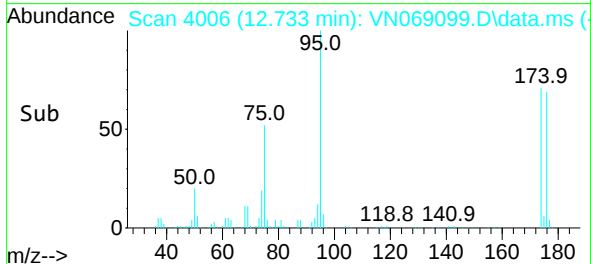
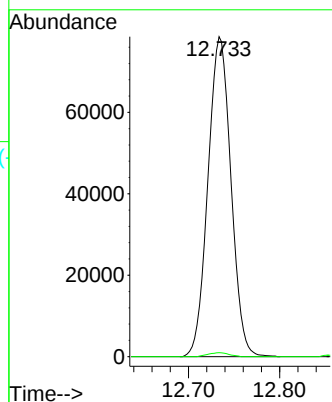
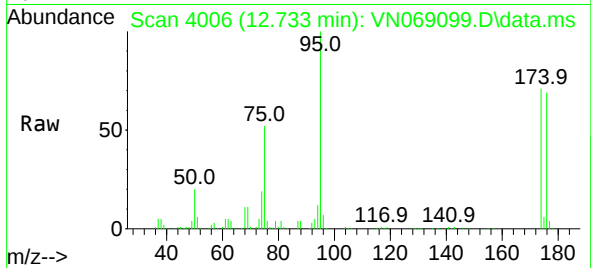




#76
1,2,3-Trichloropropane
Concen: 30.839 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

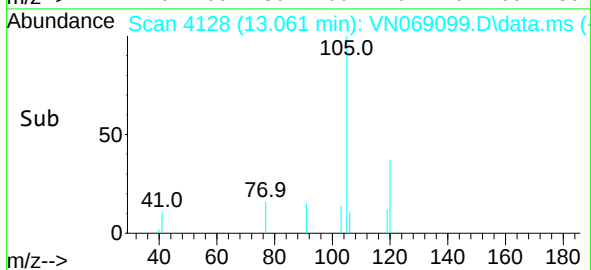
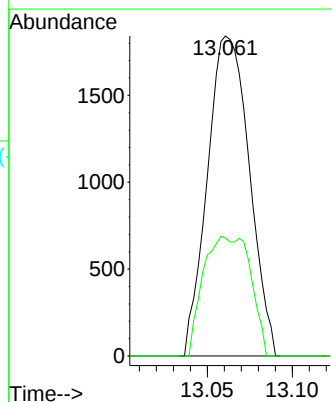
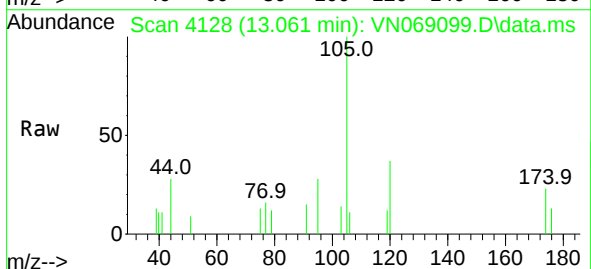
Instrument :
MSVOA_N
ClientSampled :

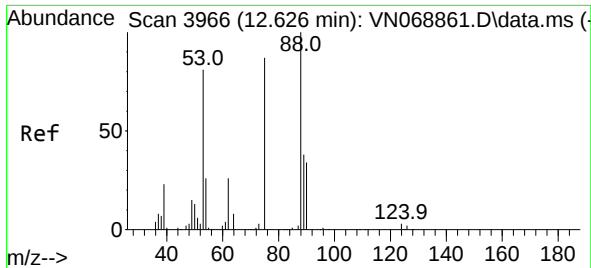
Tgt Ion: 75 Resp: 137710
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#80
1,3,5-Trimethylbenzene
Concen: 0.217 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion:105 Resp: 3156
Ion Ratio Lower Upper
105 100
120 42.1 23.4 70.2

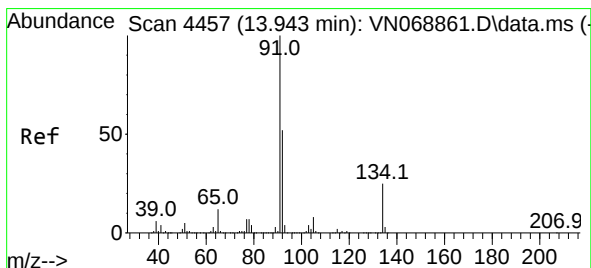
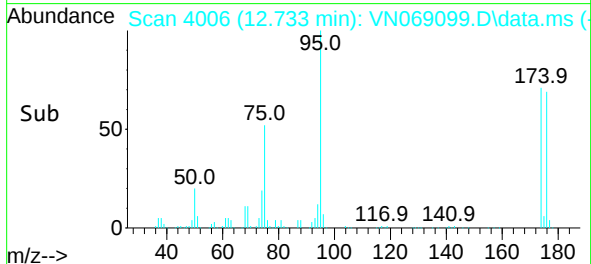
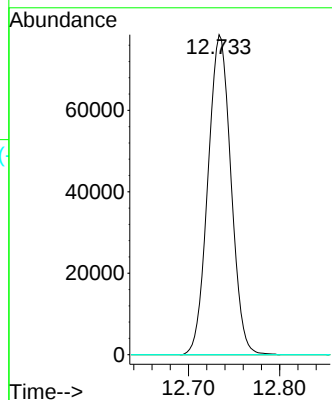
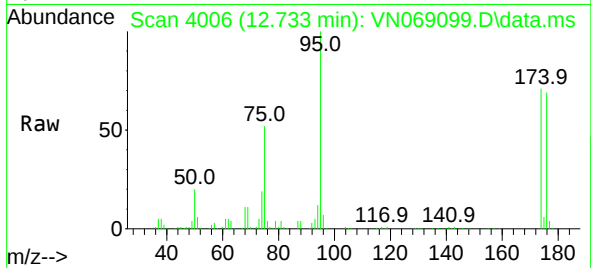




#81
trans-1,4-Dichloro-2-butene
Concen: 73.781 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

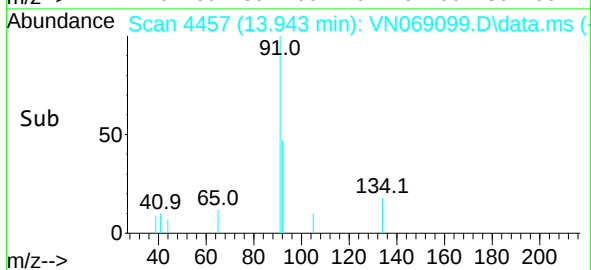
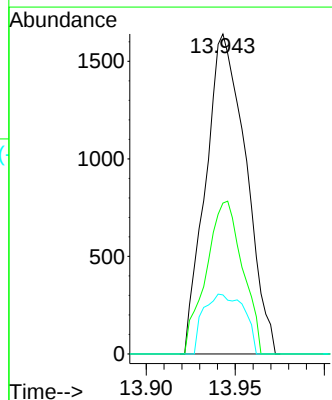
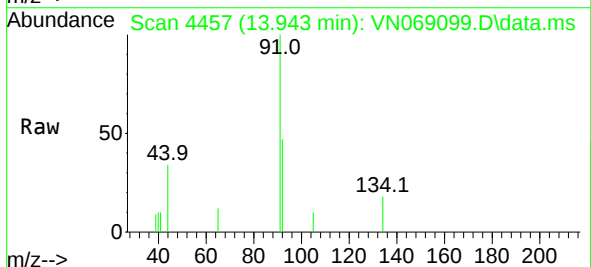
Instrument :
MSVOA_N
ClientSampled :

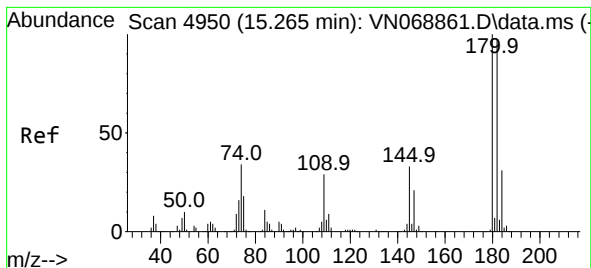
Tgt Ion: 75 Resp: 137710
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.219 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

Tgt Ion: 91 Resp: 2568
Ion Ratio Lower Upper
91 100
92 43.5 26.0 78.0
134 18.8 12.5 37.5

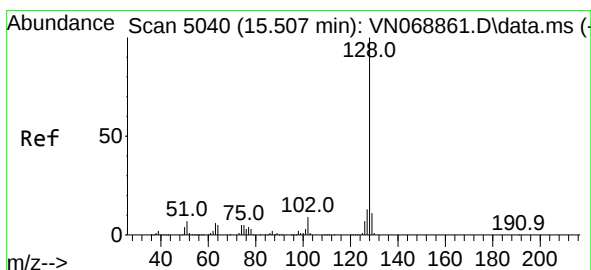
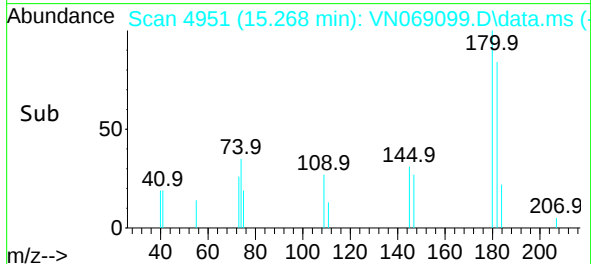
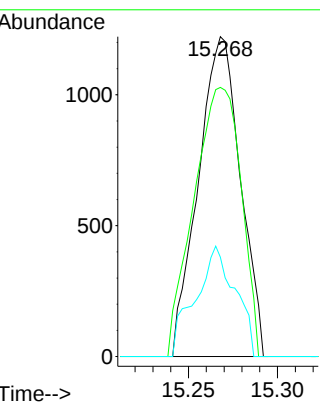
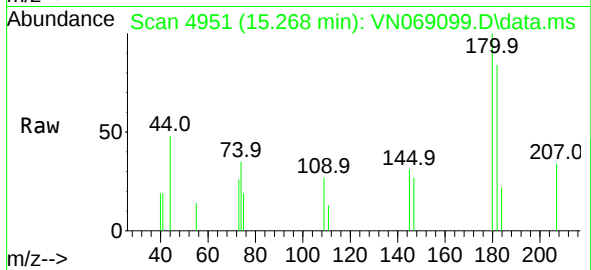




#93
1,2,4-Trichlorobenzene
Concen: 3.141 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

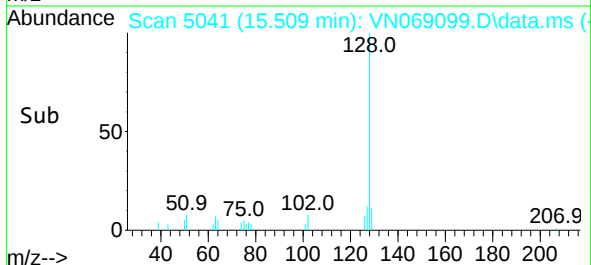
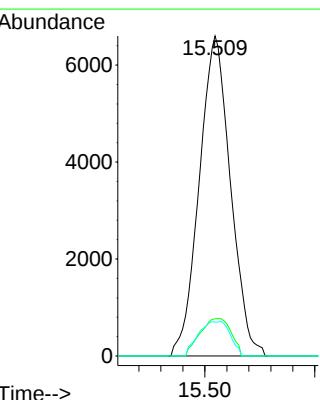
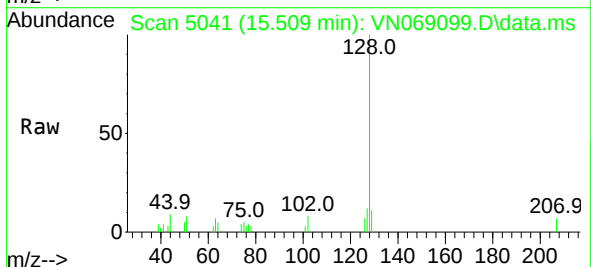
Instrument :
MSVOA_N
ClientSampled :

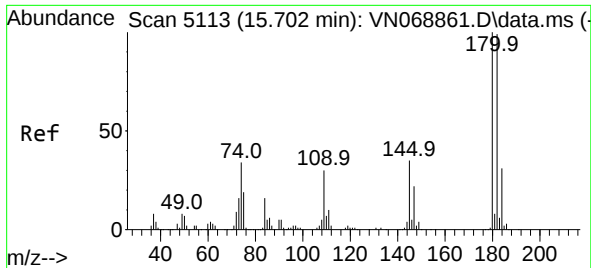
Tgt Ion:180 Resp: 2007
Ion Ratio Lower Upper
180 100
182 94.6 47.9 143.7
145 32.7 16.4 49.2



#95
Naphthalene
Concen: 5.048 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069099.D
Acq: 21 Oct 2021 19:49

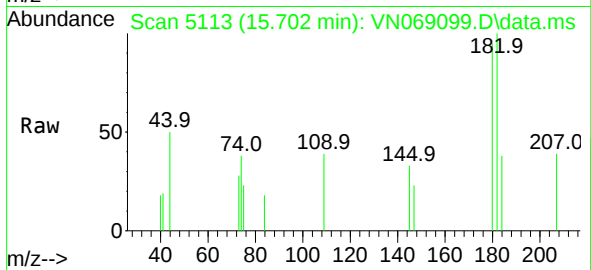
Tgt Ion:128 Resp: 13034
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 10.9 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 3.205 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN069099.D
 Acq: 21 Oct 2021 19:49

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2442
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.1 144.3
 145 33.0 17.4 52.2

