

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069071.D
 Acq On : 20 Oct 2021 19:07
 Operator : JC/MD
 Sample : M4260-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:15:59 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)

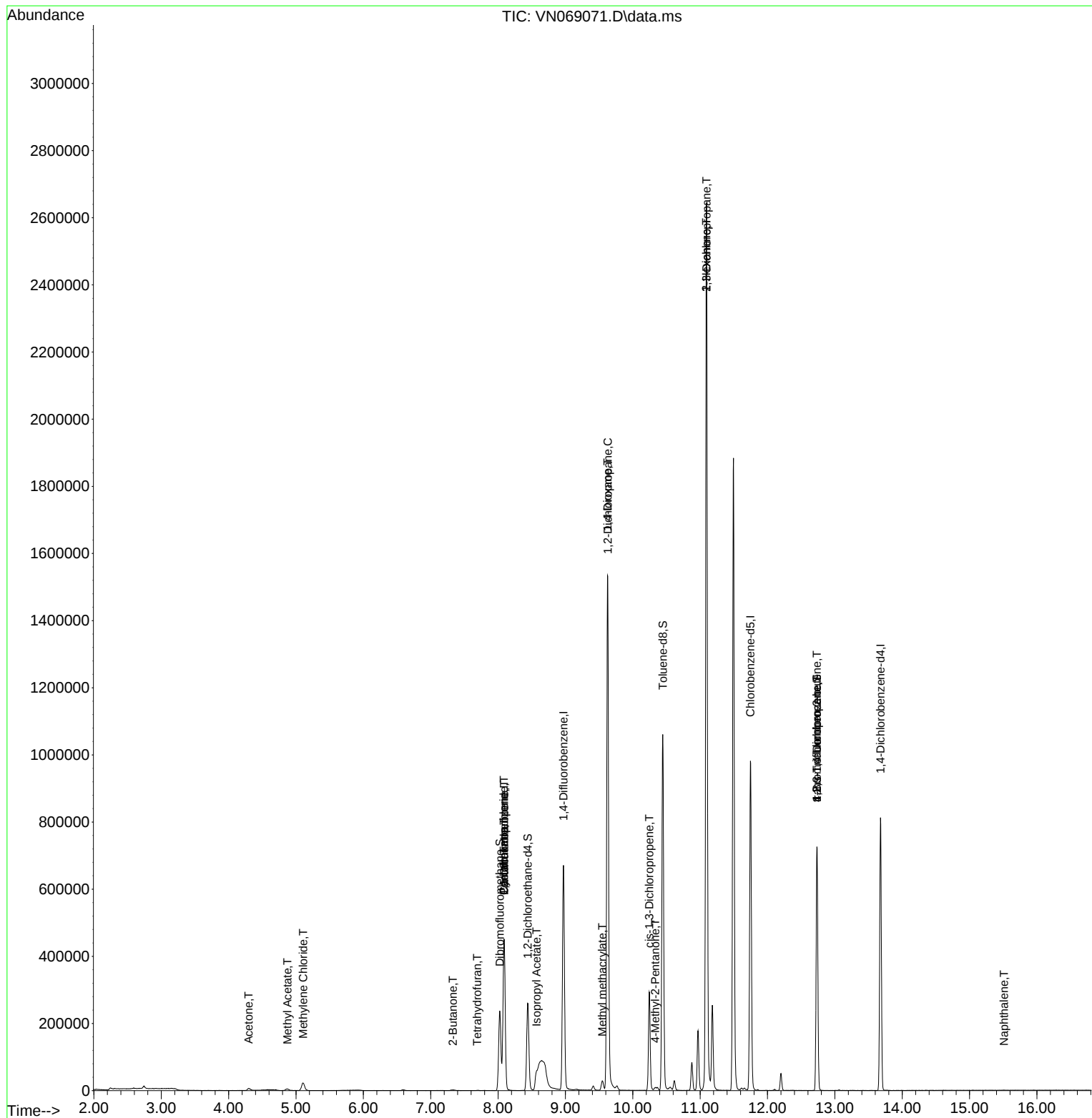
Internal Standards						
1) Pentafluorobenzene	8.091	168	340826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	601460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	580011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	216366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	221655	49.326	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.660%		
35) Dibromofluoromethane	8.026	113	175680	50.204	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.400%		
50) Toluene-d8	10.446	98	757045	54.069	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.140%		
62) 4-Bromofluorobenzene	12.733	95	268926	50.908	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.820%		
Target Compounds					Qvalue	
16) Acetone	4.296	43	11509	6.863	ug/l	93
18) Methyl Acetate	4.872	43	11430	1.797	ug/l	96
20) Methylene Chloride	5.106	84	18947	4.909	ug/l	94
25) 2-Butanone	7.329	43	681	0.269	ug/l #	48
29) Tetrahydrofuran	7.689	42	356	0.216	ug/l #	52
31) Cyclohexane	8.088	56	8007	1.146	ug/l #	6
36) 1,1-Dichloropropene	8.091	75	28453	5.538	ug/l #	50
38) Carbon Tetrachloride	8.088	117	34628	6.137	ug/l #	16
43) Isopropyl Acetate	8.571	43	54811	5.855	ug/l #	79
45) 1,2-Dichloropropane	9.630	63	1980	0.488	ug/l #	43
48) Methyl methacrylate	9.547	41	7608	1.730	ug/l #	13
49) 1,4-Dioxane	9.625	88	142	37.231	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	5189	0.956	ug/l	99
54) cis-1,3-Dichloropropene	10.244	75	55432	8.191	ug/l #	62
57) 1,3-Dichloropropane	11.095	76	29326	4.482	ug/l #	42
59) 2-Hexanone	11.092	43	411631	105.741	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	140547	30.529	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	140547	73.040	ug/l #	12
95) Naphthalene	15.512	128	349	3.844	ug/l #	69

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

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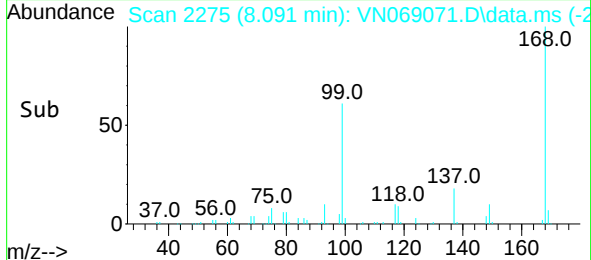
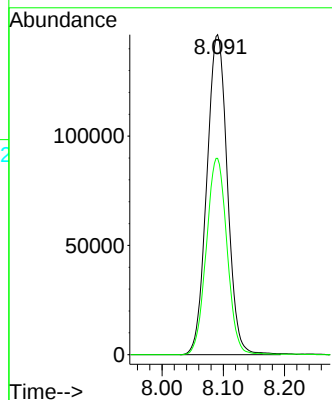
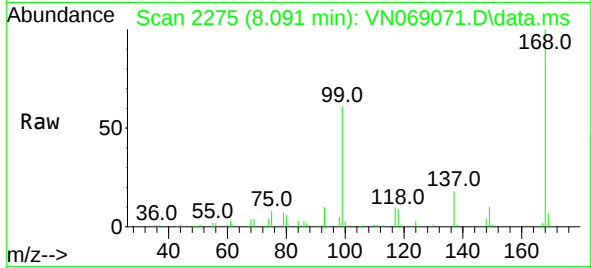




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

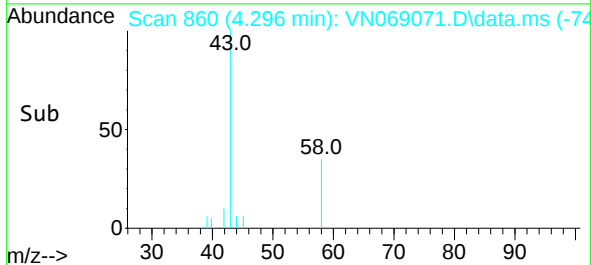
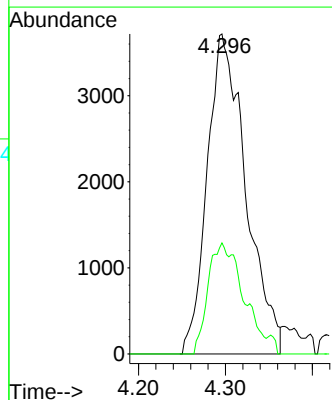
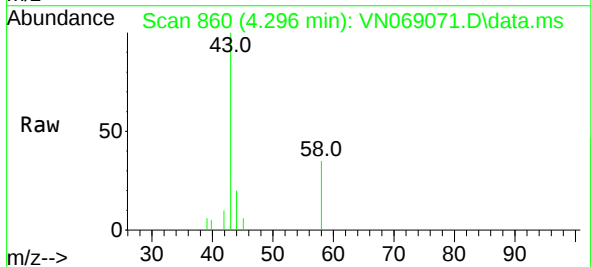
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 340826
Ion Ratio Lower Upper
168 100
99 61.4 48.9 73.3



#16
Acetone
Concen: 6.863 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion: 43 Resp: 11509
Ion Ratio Lower Upper
43 100
58 34.7 24.5 36.7

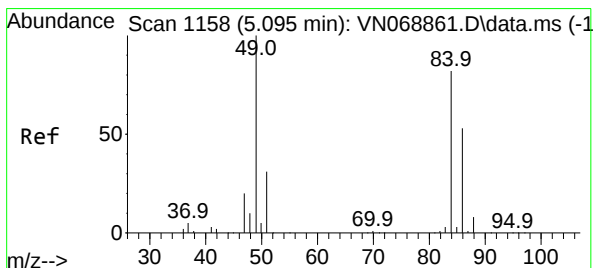
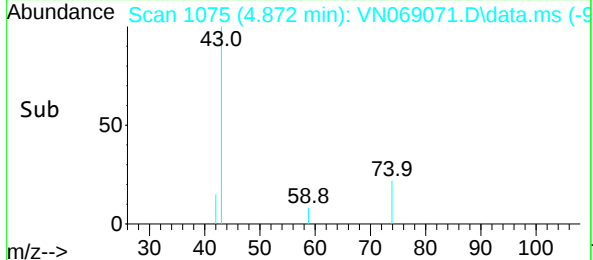
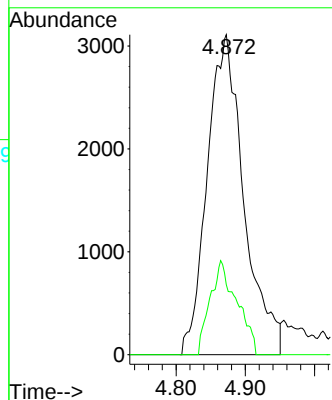
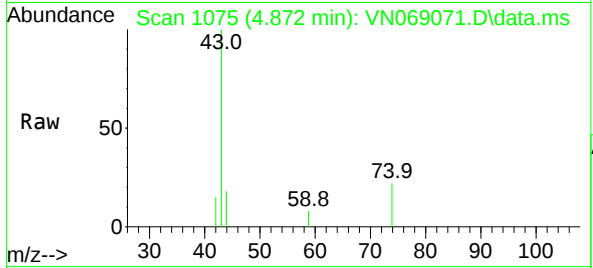




#18
Methyl Acetate
Concen: 1.797 ug/l
RT: 4.872 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

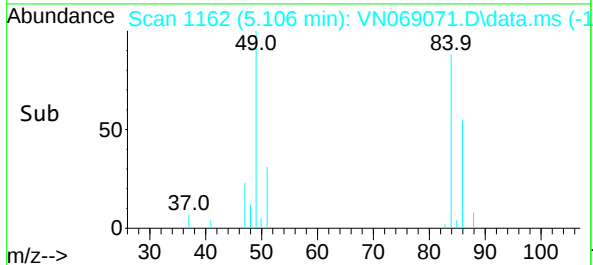
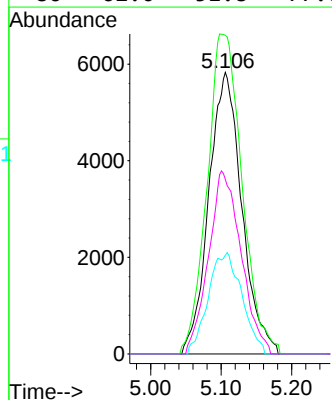
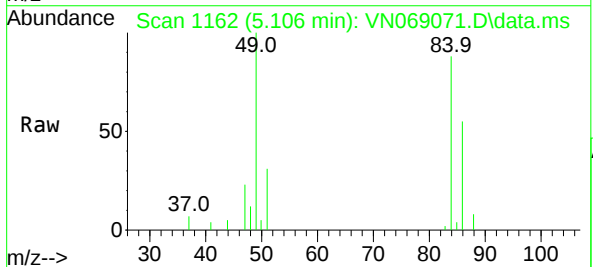
Instrument :
MSVOA_N
ClientSampled :

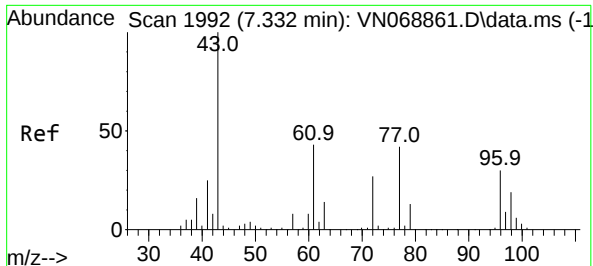
Tgt Ion: 43 Resp: 11430
Ion Ratio Lower Upper
43 100
74 21.5 18.9 28.3



#20
Methylene Chloride
Concen: 4.909 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.011 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion: 84 Resp: 18947
Ion Ratio Lower Upper
84 100
49 113.1 97.6 146.4
51 35.1 30.3 45.5
86 62.0 51.8 77.6

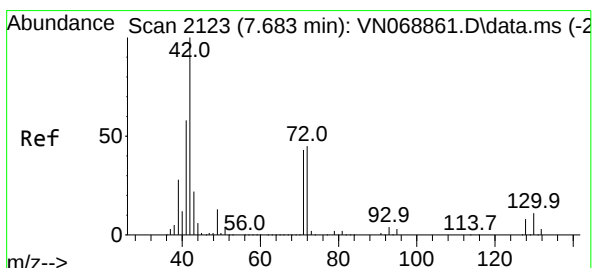
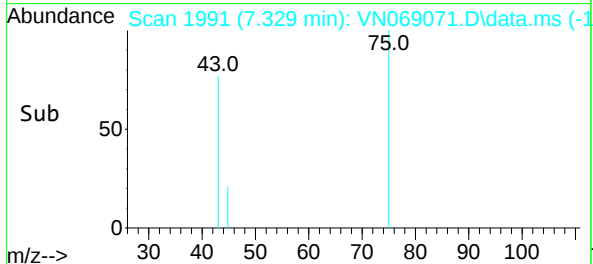
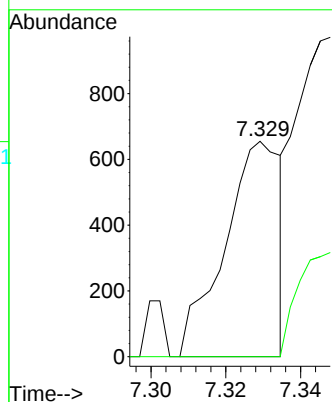
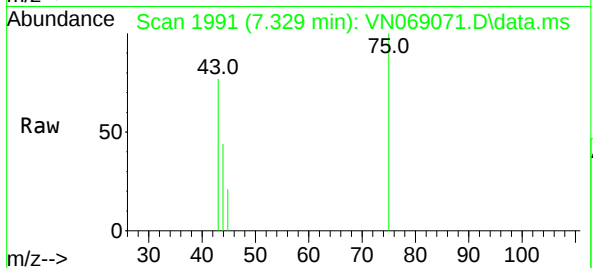




#25
2-Butanone
Concen: 0.269 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. -0.003 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

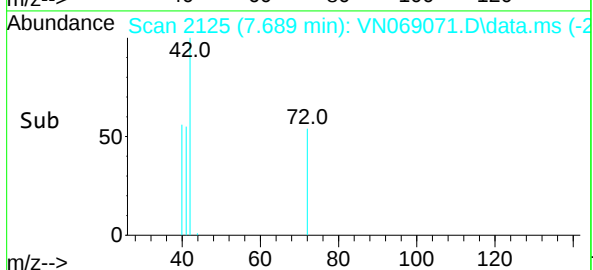
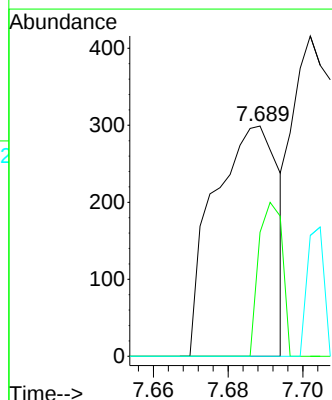
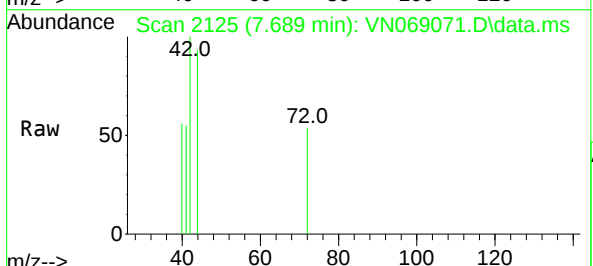
Instrument :
MSVOA_N
ClientSampled :

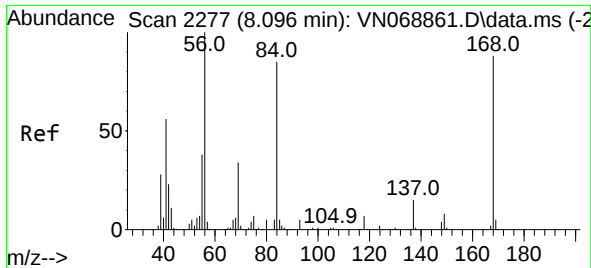
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.005 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion: 42 Resp: 356
Ion Ratio Lower Upper
42 100
72 24.4 35.4 53.2#
71 0.0 33.8 50.6#

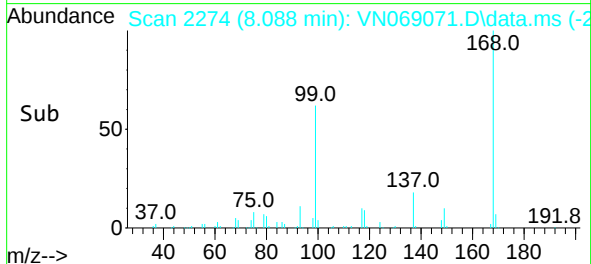
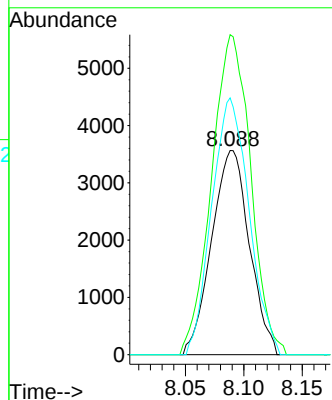
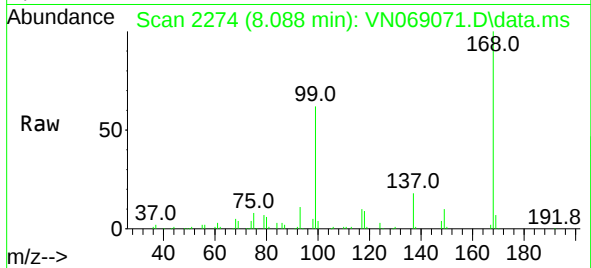




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

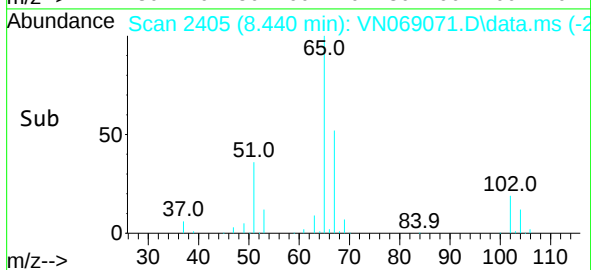
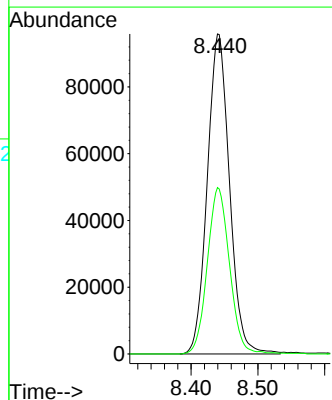
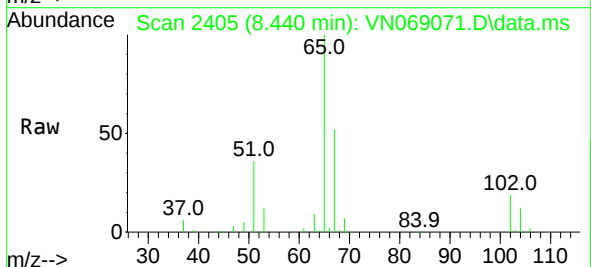
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 8007
Ion Ratio Lower Upper
56 100
69 156.8 26.9 40.3#
84 125.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.326 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion: 65 Resp: 221655
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8

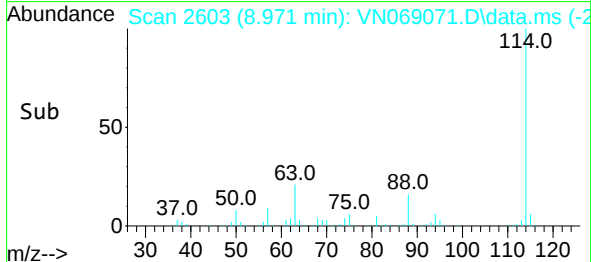
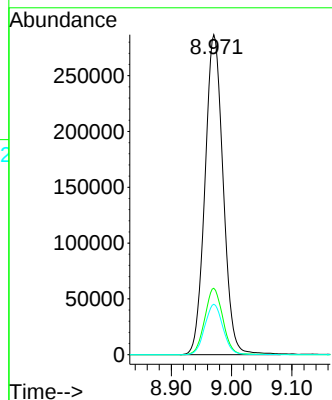
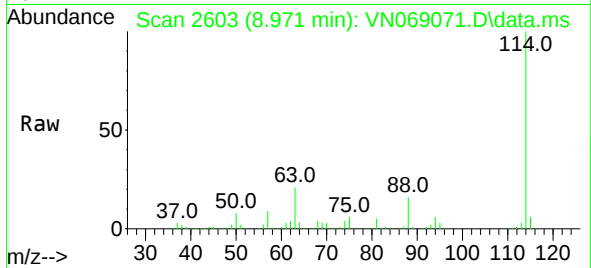




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

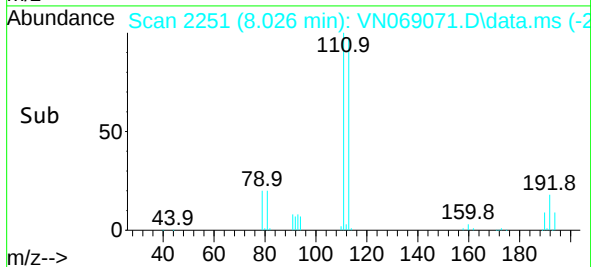
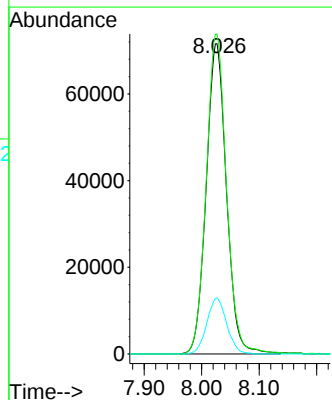
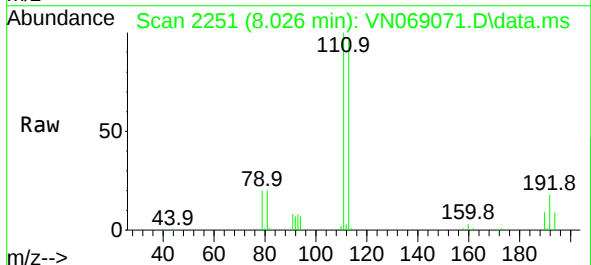
Instrument :
MSVOA_N
ClientSampled :

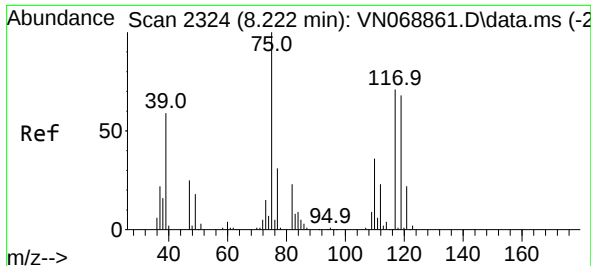
Tgt Ion:114 Resp: 601460
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 15.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.204 ug/l
RT: 8.026 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion:113 Resp: 175680
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 17.7 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.538 ug/l

RT: 8.091 min Scan# 2275

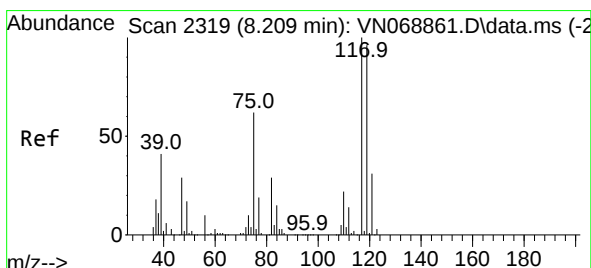
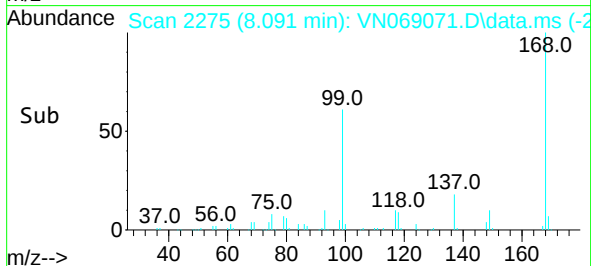
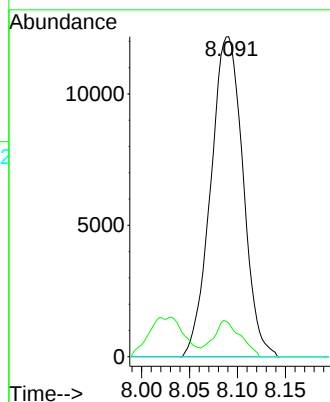
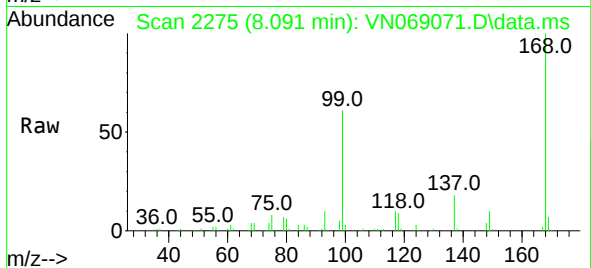
Delta R.T. -0.132 min

Lab File: VN069071.D

Acq: 20 Oct 2021 19:07

Tgt Ion:	75	Resp:	28453
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.137 ug/l

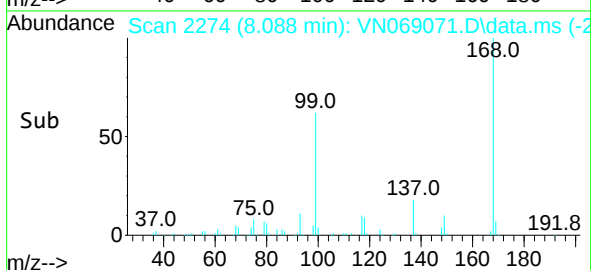
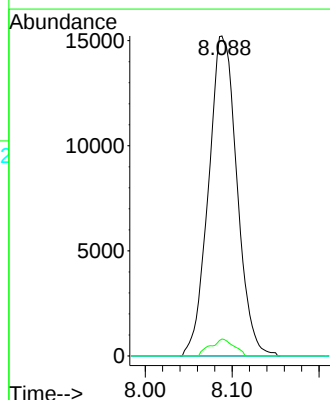
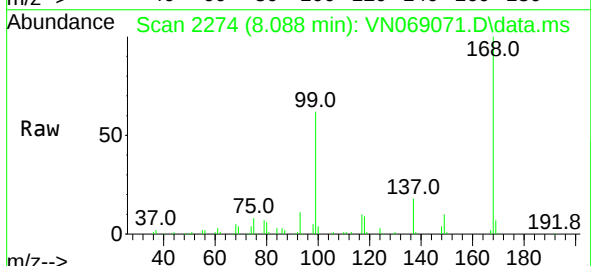
RT: 8.088 min Scan# 2274

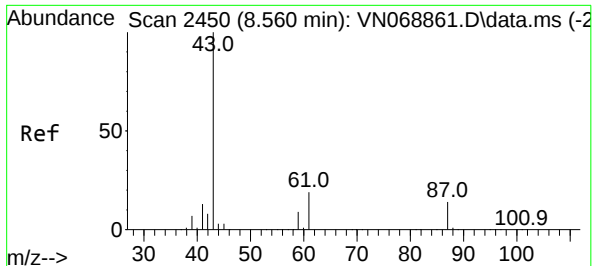
Delta R.T. -0.121 min

Lab File: VN069071.D

Acq: 20 Oct 2021 19:07

Tgt Ion:	117	Resp:	34628
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.9	115.3#
121	0.0	24.6	37.0#

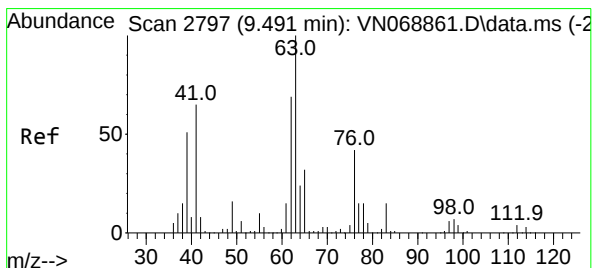
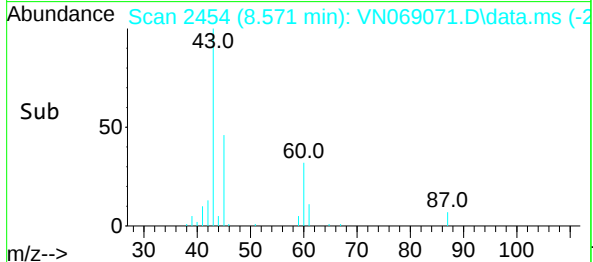
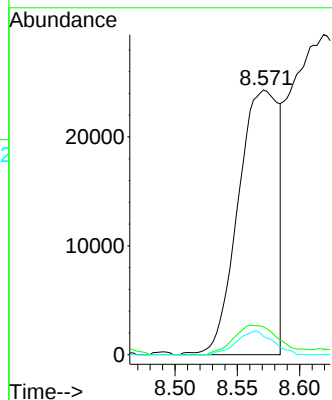
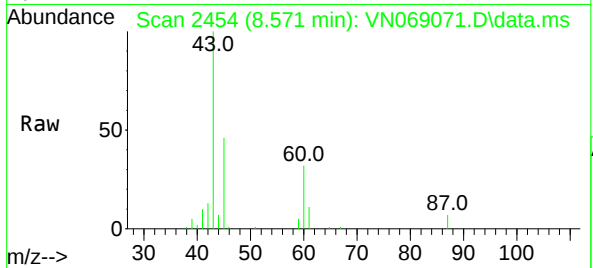




#43
Isopropyl Acetate
Concen: 5.855 ug/l
RT: 8.571 min Scan# 2454
Delta R.T. 0.011 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

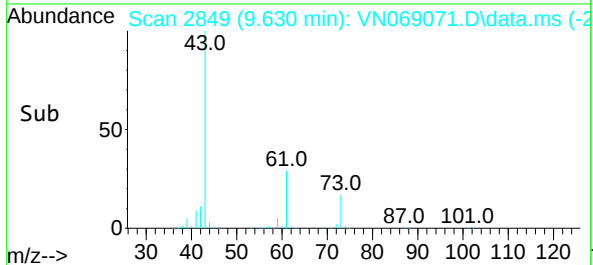
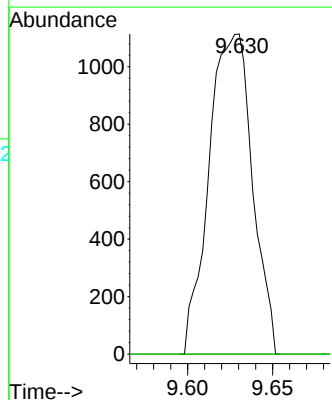
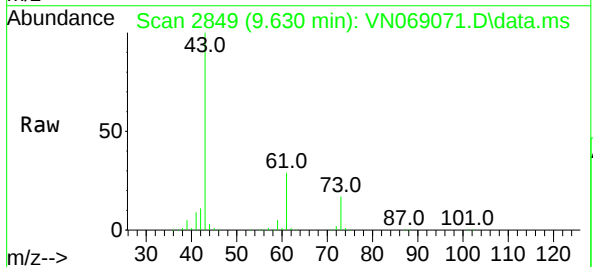
Instrument :
MSVOA_N
ClientSampled :

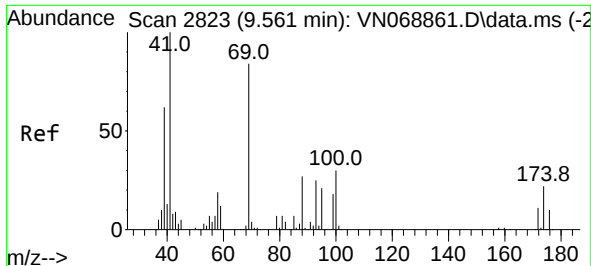
Tgt Ion: 43 Resp: 54811
Ion Ratio Lower Upper
43 100
61 12.6 20.4 30.6#
87 7.9 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.488 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion: 63 Resp: 1980
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

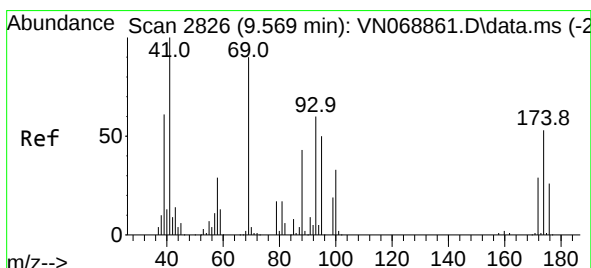
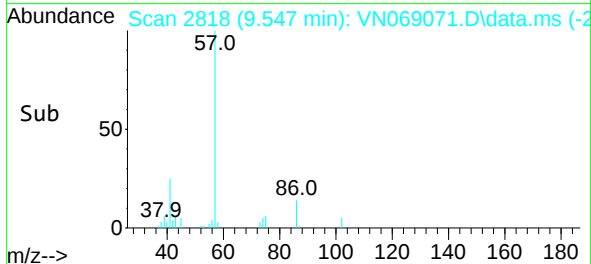
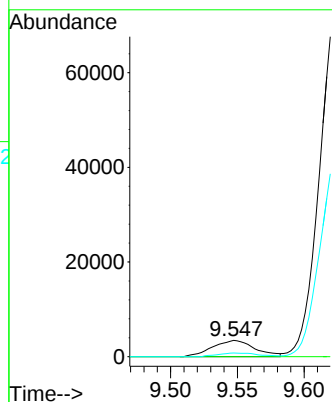
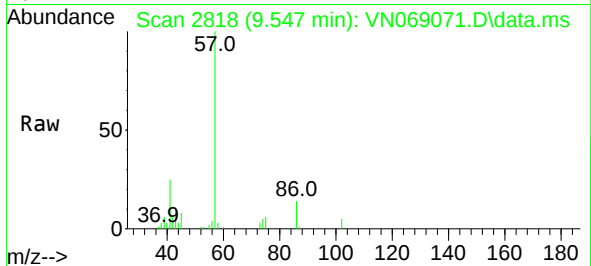




#48
Methyl methacrylate
Concen: 1.730 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

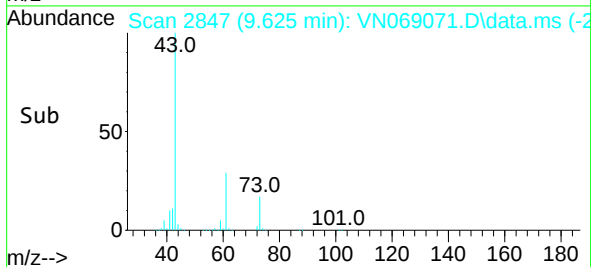
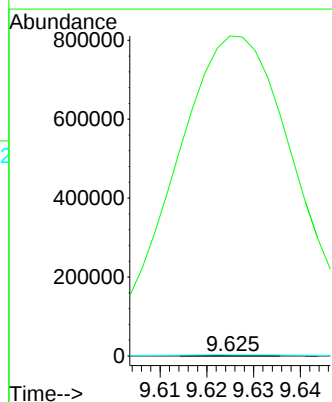
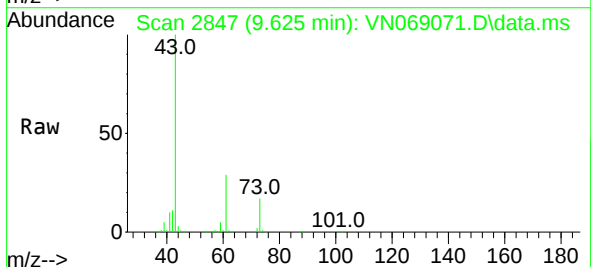
Instrument :
MSVOA_N
ClientSampled :

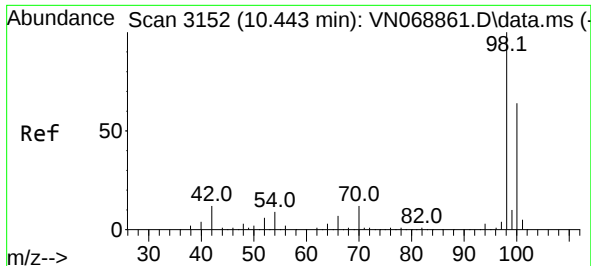
Tgt Ion: 41 Resp: 7608
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.231 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 1112360.6 24.9 37.3#
58 4309.2 56.9 85.3#

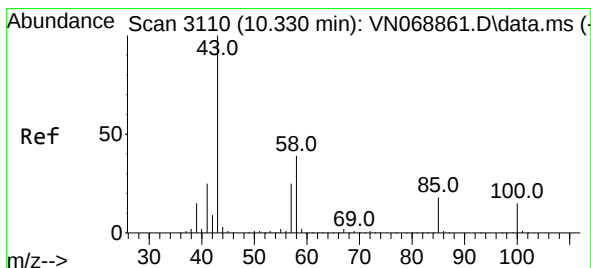
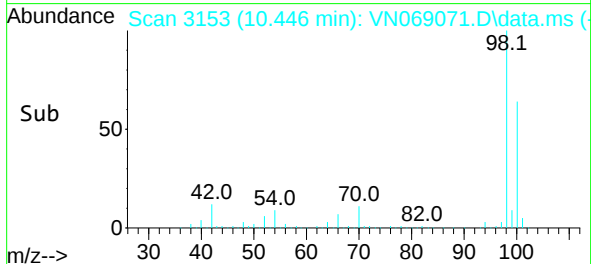
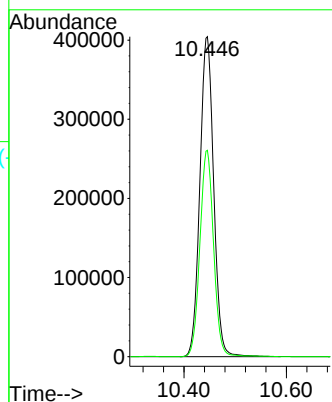
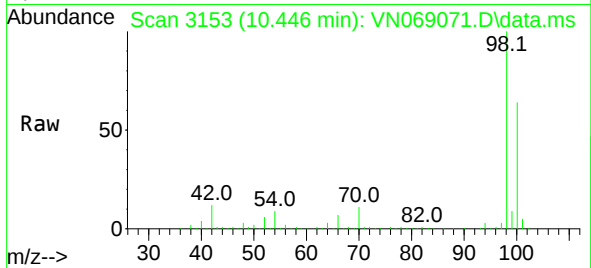




#50
Toluene-d8
Concen: 54.069 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

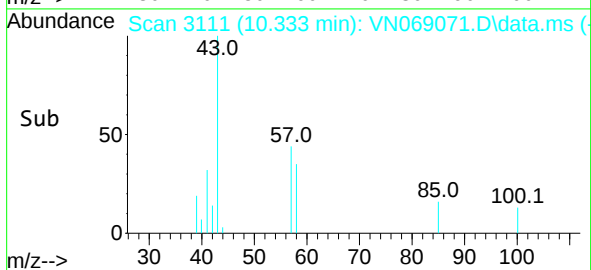
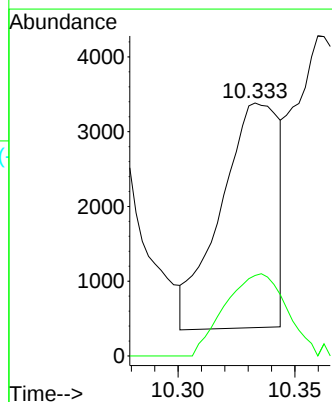
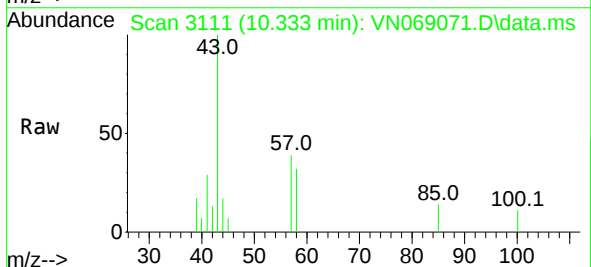
Instrument :
MSVOA_N
ClientSampleId :

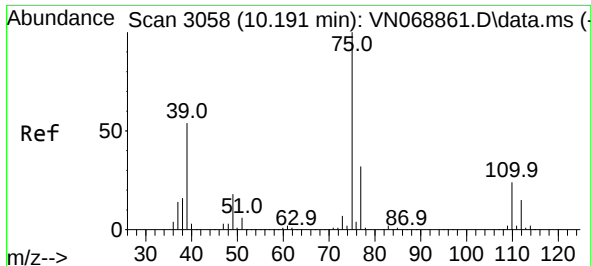
Tgt Ion: 98 Resp: 757045
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.956 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion: 43 Resp: 5189
Ion Ratio Lower Upper
43 100
58 39.3 31.0 46.4

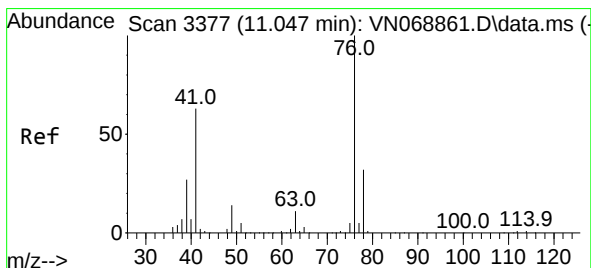
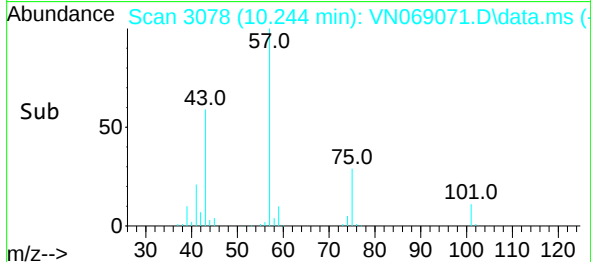
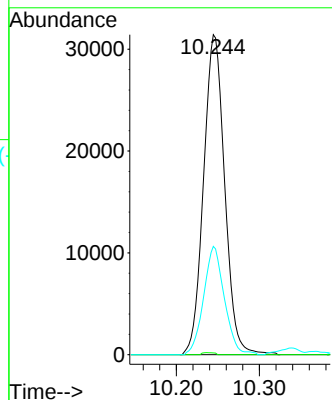
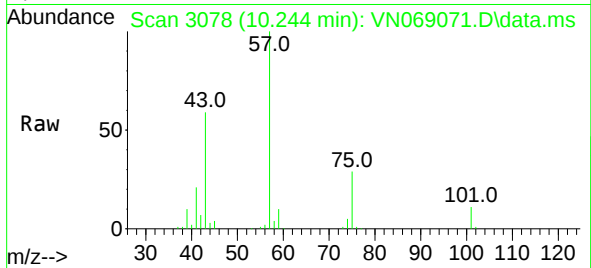




#54
 cis-1,3-Dichloropropene
 Concen: 8.191 ug/l
 RT: 10.244 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069071.D
 Acq: 20 Oct 2021 19:07

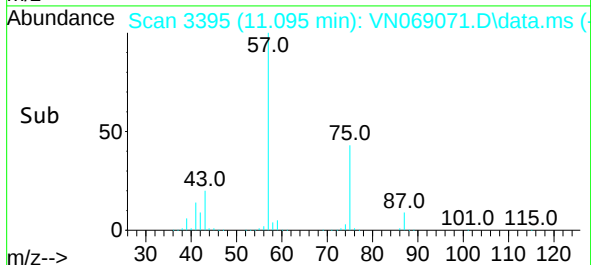
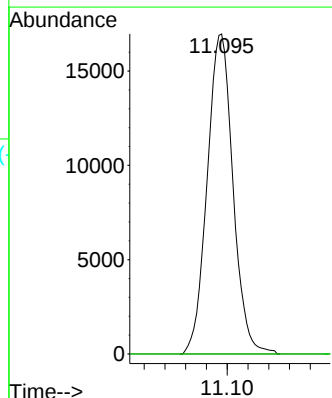
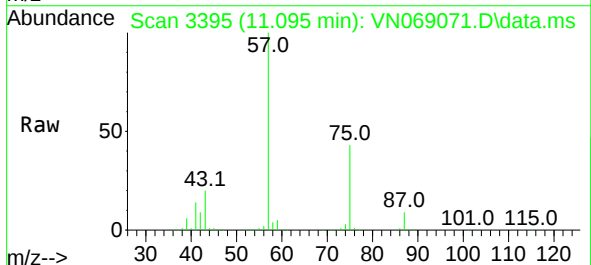
Instrument :
 MSVOA_N
 ClientSampled :

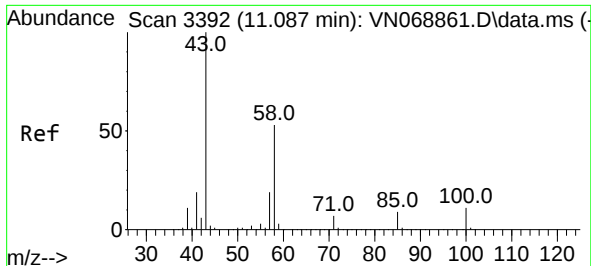
Tgt Ion: 75 Resp: 55432
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 33.8 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.482 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN069071.D
 Acq: 20 Oct 2021 19:07

Tgt Ion: 76 Resp: 29326
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

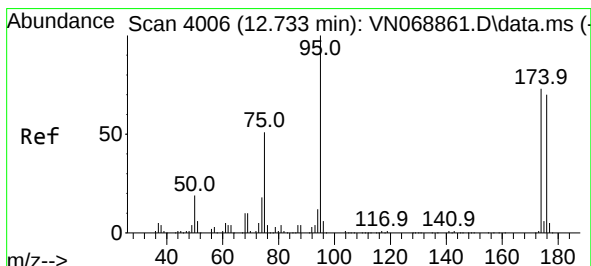
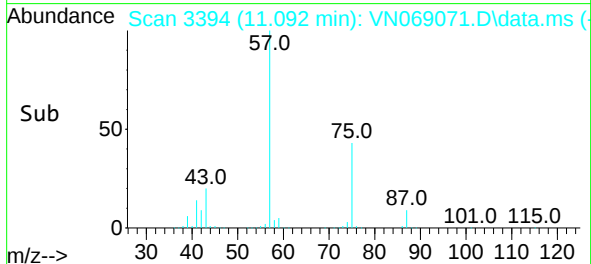
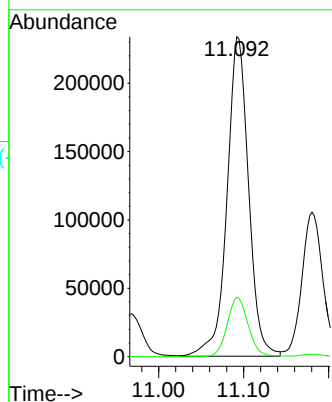
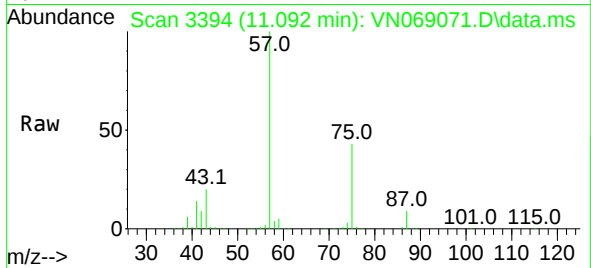




#59
2-Hexanone
Concen: 105.741 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

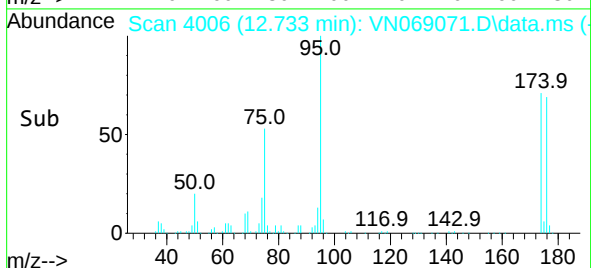
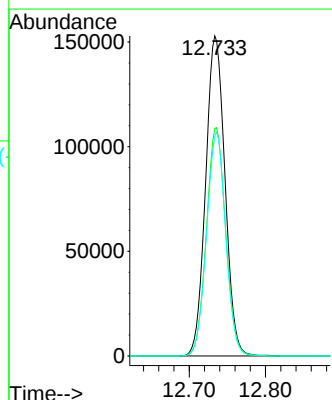
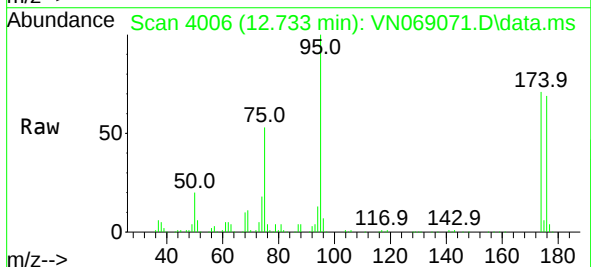
Instrument :
MSVOA_N
ClientSampleId :

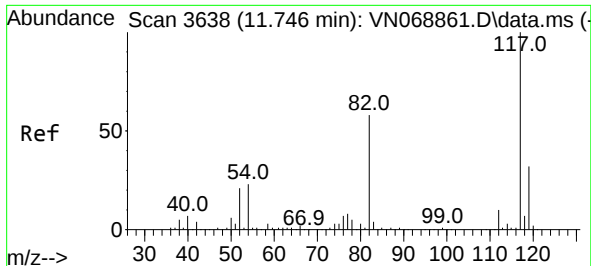
Tgt Ion: 43 Resp: 411631
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.908 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion: 95 Resp: 268926
Ion Ratio Lower Upper
95 100
174 71.3 0.0 144.8
176 69.3 0.0 140.0

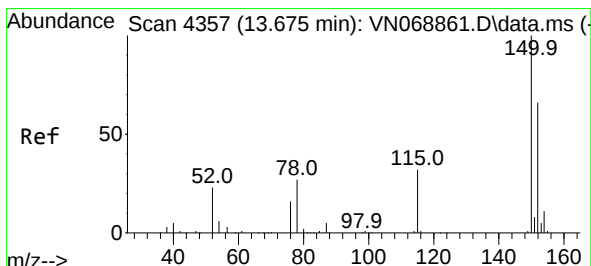
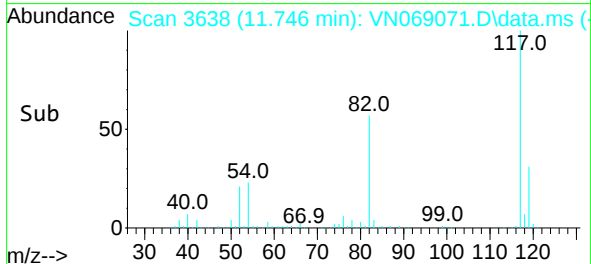
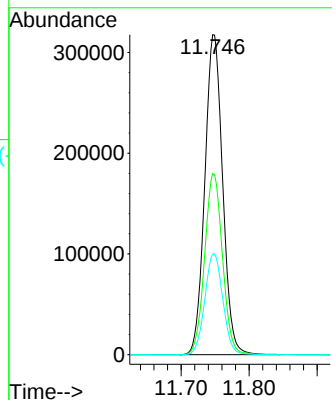
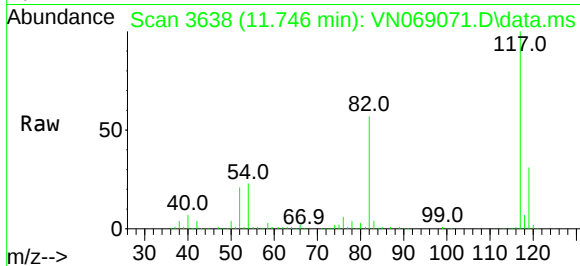




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

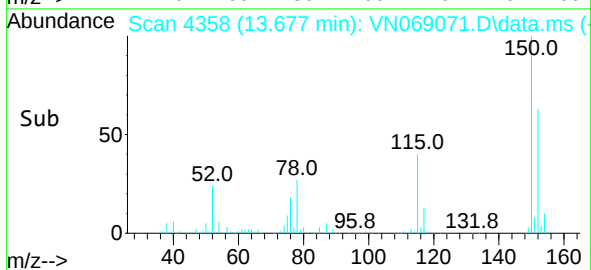
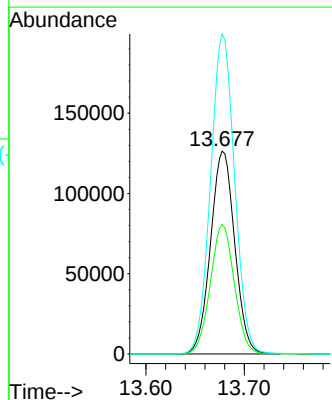
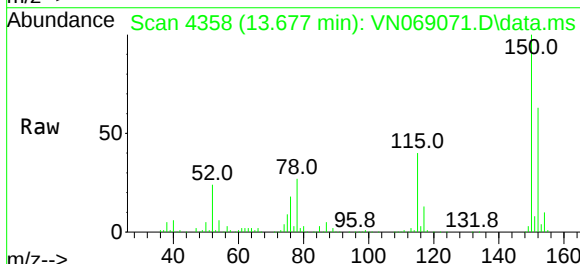
Instrument :
MSVOA_N
ClientSampled :

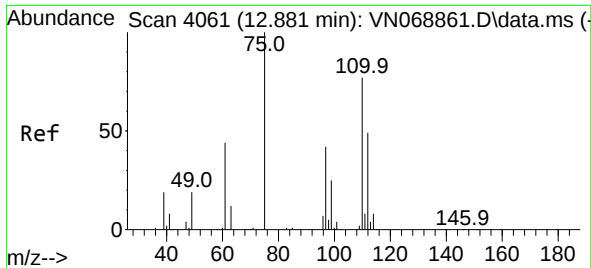
Tgt Ion:117 Resp: 580011
Ion Ratio Lower Upper
117 100
82 56.6 46.4 69.6
119 31.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Tgt Ion:152 Resp: 216366
Ion Ratio Lower Upper
152 100
115 63.3 31.4 94.3
150 156.9 0.0 351.0

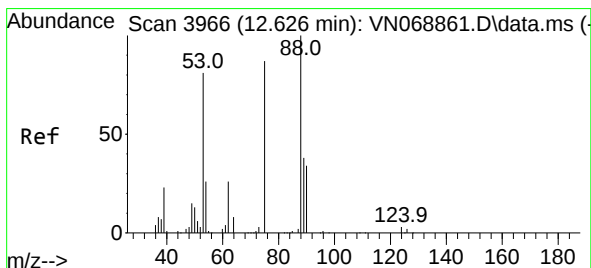
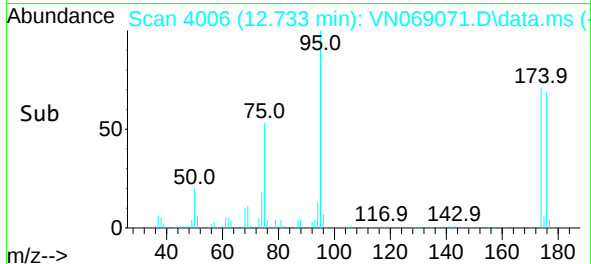
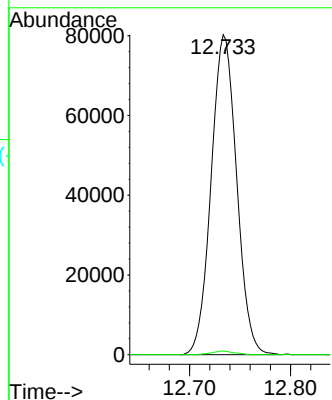
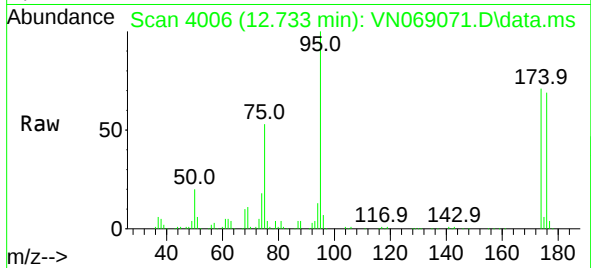




#76
1,2,3-Trichloropropane
Concen: 30.529 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

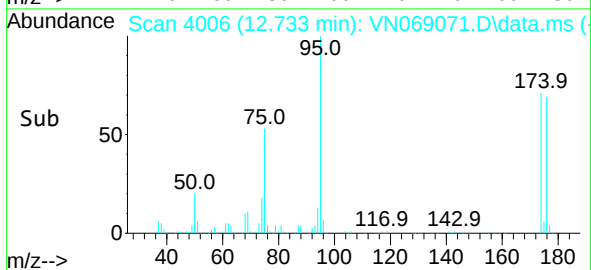
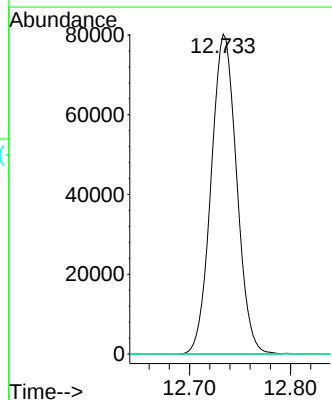
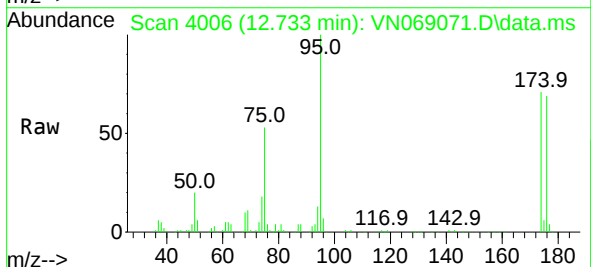
Instrument :
MSVOA_N
ClientSampled :

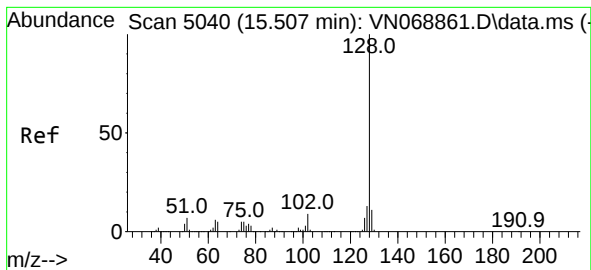
Tgt Ion: 75 Resp: 140547
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.040 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

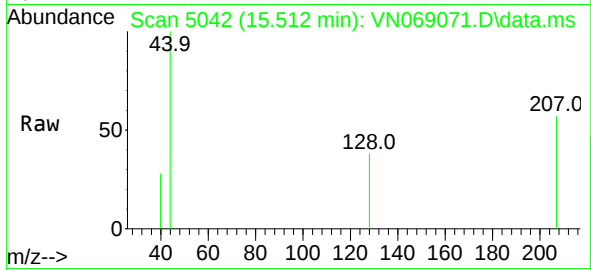
Tgt Ion: 75 Resp: 140547
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.844 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069071.D
Acq: 20 Oct 2021 19:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 349
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

