

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069115.D
 Acq On : 22 Oct 2021 3:22
 Operator : JC/MD
 Sample : M4285-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 07:21:13 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

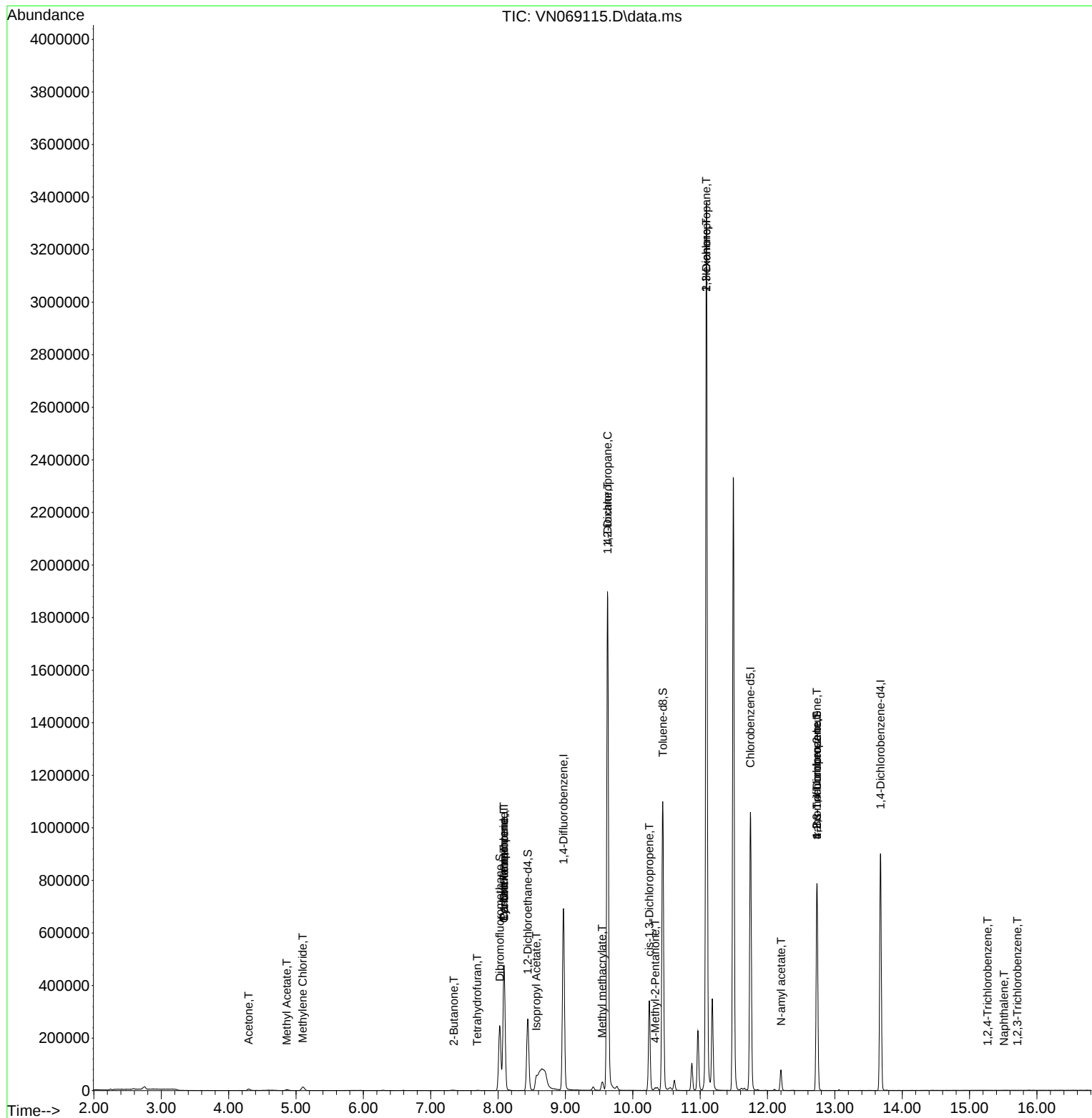
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	361676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	629669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	623257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	240911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	232224	48.699	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.400%
35) Dibromofluoromethane	8.026	113	180916	49.384	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.760%
50) Toluene-d8	10.446	98	785628	53.597	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.200%
62) 4-Bromofluorobenzene	12.733	95	286845	51.867	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.740%
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	11414	6.414	ug/l	97
18) Methyl Acetate	4.862	43	8410	1.246	ug/l #	75
20) Methylene Chloride	5.098	84	11746	2.868	ug/l	93
25) 2-Butanone	7.343	43	2317	0.861	ug/l	94
29) Tetrahydrofuran	7.691	42	636	0.364	ug/l #	76
31) Cyclohexane	8.085	56	7922	1.068	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28731	5.342	ug/l #	48
38) Carbon Tetrachloride	8.088	117	36758	6.223	ug/l #	16
43) Isopropyl Acetate	8.568	43	58671	5.986	ug/l #	80
45) 1,2-Dichloropropane	9.625	63	2183	0.514	ug/l #	43
48) Methyl methacrylate	9.544	41	8686	1.886	ug/l #	13
49) 1,4-Dioxane	9.628	88	152	37.267	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	6344	1.116	ug/l	100
54) cis-1,3-Dichloropropene	10.244	75	65183	9.200	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	35982	5.253	ug/l #	42
59) 2-Hexanone	11.092	43	510476	125.258	ug/l #	51
74) N-amyl acetate	12.200	43	25170	3.313	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	150920	29.443	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	150920	70.440	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	26	2.608	ug/l #	12
95) Naphthalene	15.509	128	855	3.882	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	25	2.520	ug/l #	84

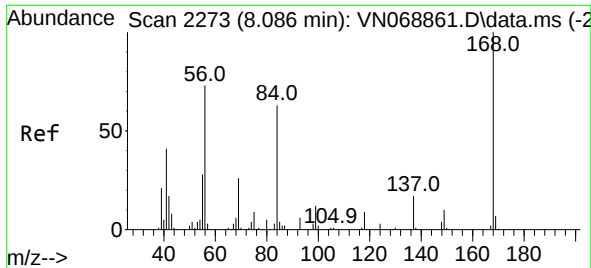
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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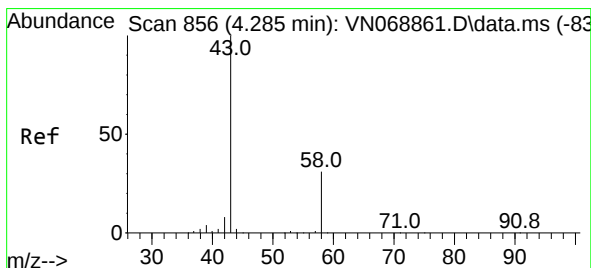
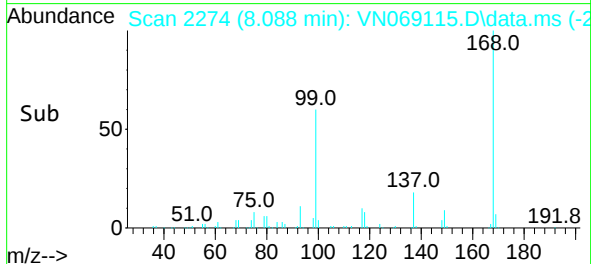
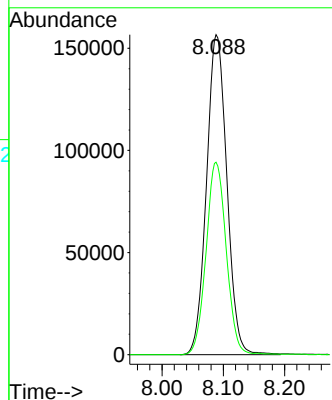
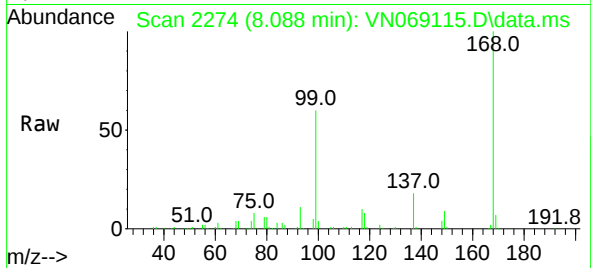




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

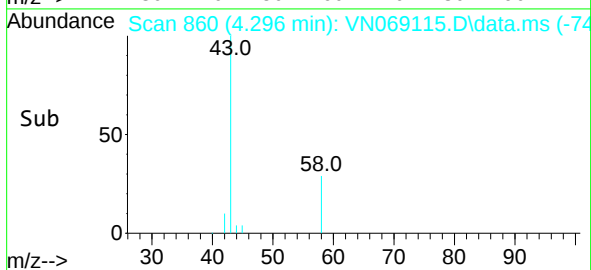
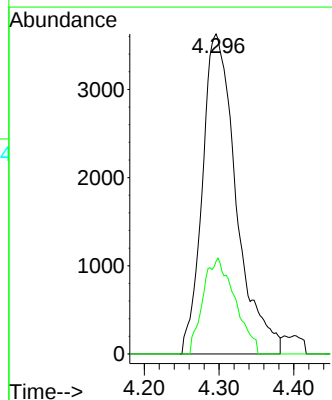
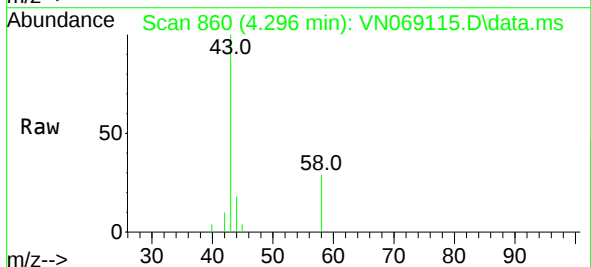
Instrument :
MSVOA_N
ClientSampled :

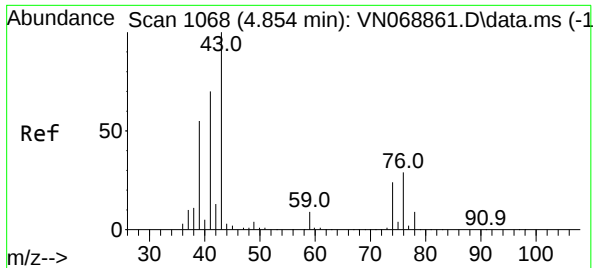
Tgt Ion:168 Resp: 361676
Ion Ratio Lower Upper
168 100
99 60.2 48.9 73.3



#16
Acetone
Concen: 6.414 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 43 Resp: 11414
Ion Ratio Lower Upper
43 100
58 29.0 24.5 36.7

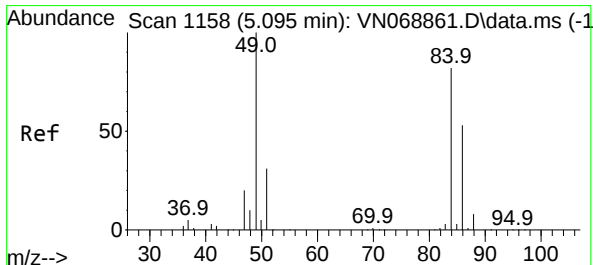
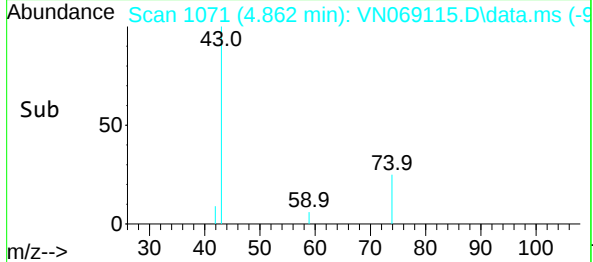
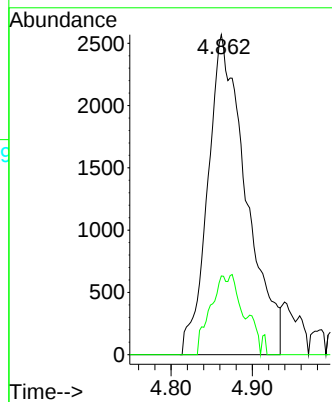
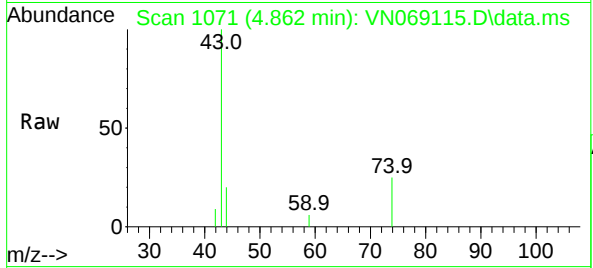




#18
Methyl Acetate
Concen: 1.246 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

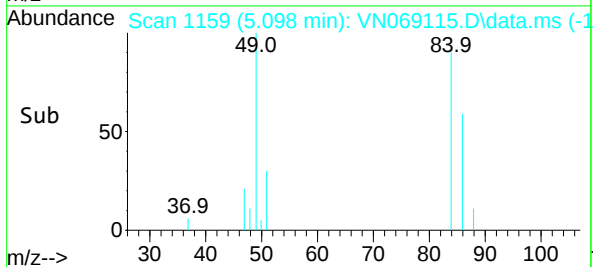
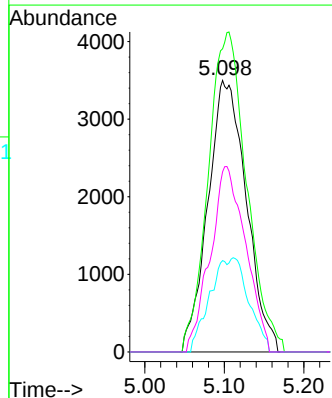
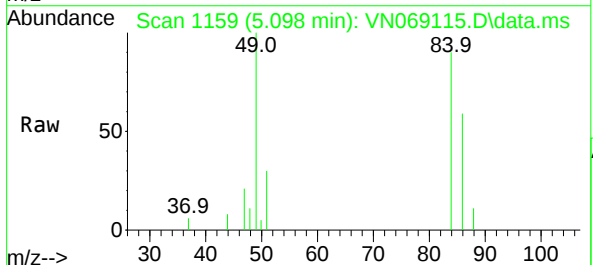
Instrument :
MSVOA_N
ClientSampled :

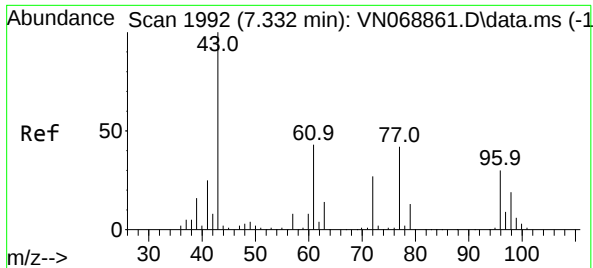
Tgt Ion: 43 Resp: 8410
Ion Ratio Lower Upper
43 100
74 11.5 18.9 28.3#



#20
Methylene Chloride
Concen: 2.868 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 84 Resp: 11746
Ion Ratio Lower Upper
84 100
49 111.6 97.6 146.4
51 33.6 30.3 45.5
86 66.4 51.8 77.6

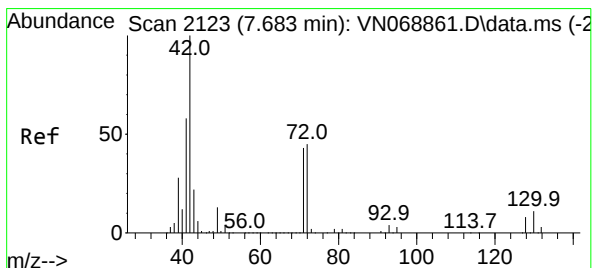
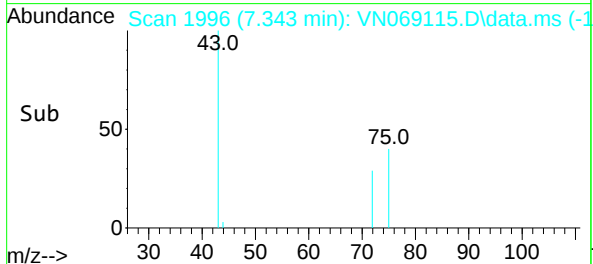
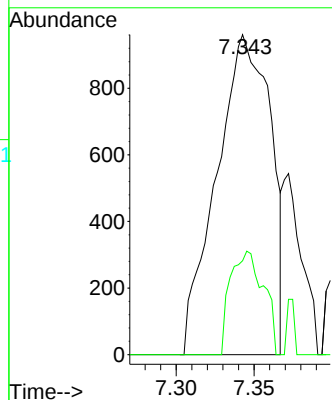
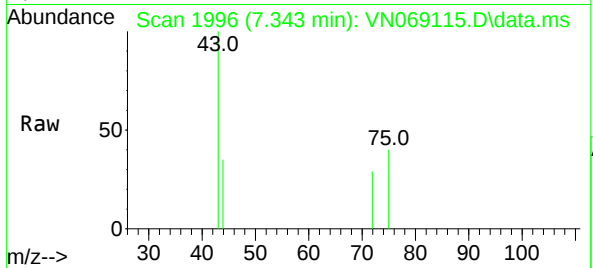




#25
2-Butanone
Concen: 0.861 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

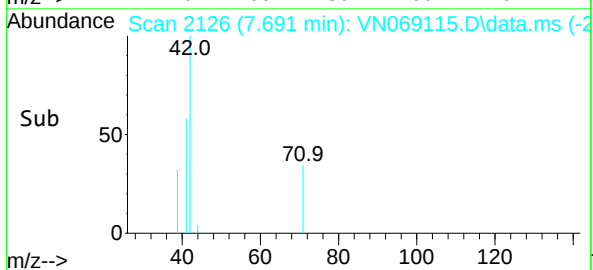
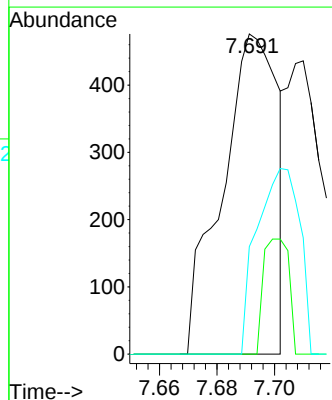
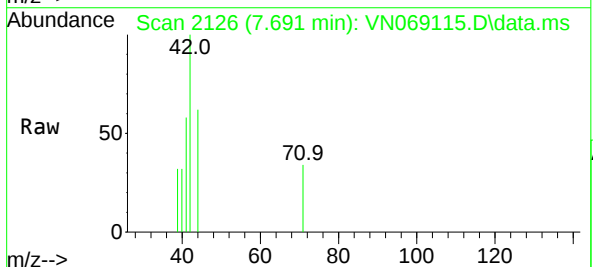
Instrument :
MSVOA_N
ClientSampled :

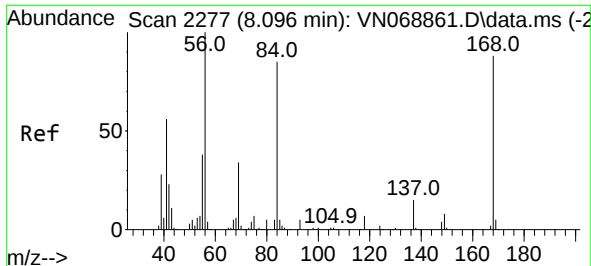
Tgt Ion: 43 Resp: 2317
Ion Ratio Lower Upper
43 100
72 29.3 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.364 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.008 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 42 Resp: 636
Ion Ratio Lower Upper
42 100
72 16.5 35.4 53.2#
71 44.7 33.8 50.6

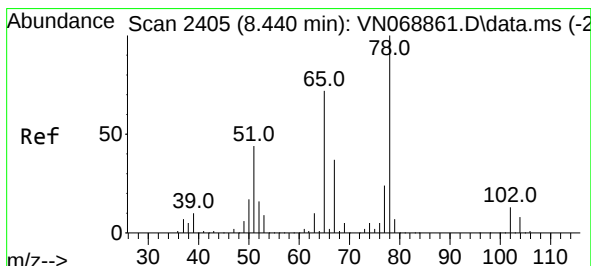
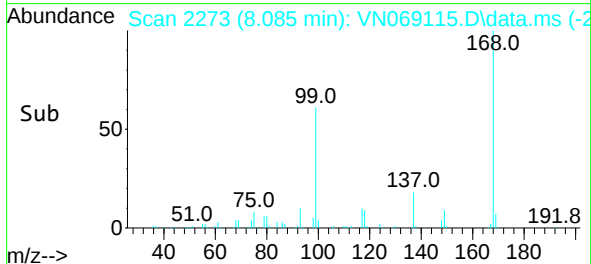
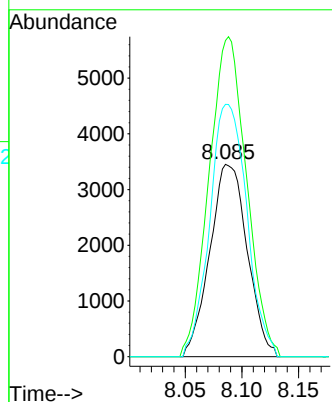
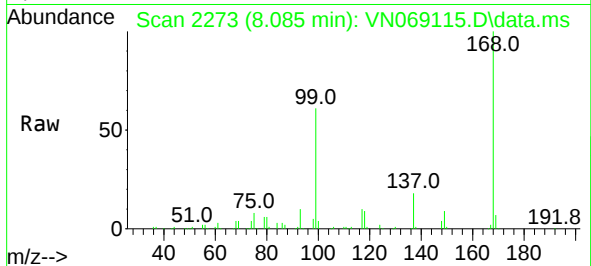




#31
Cyclohexane
Concen: 1.068 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.011 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

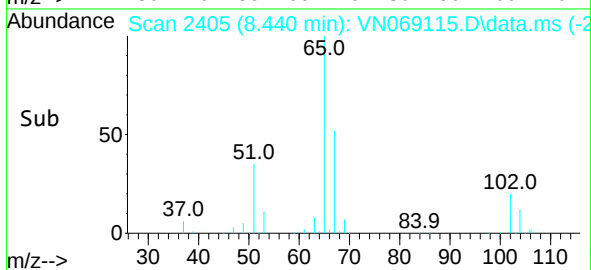
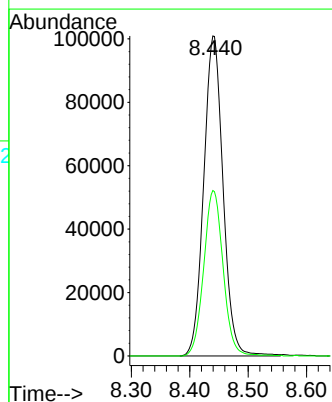
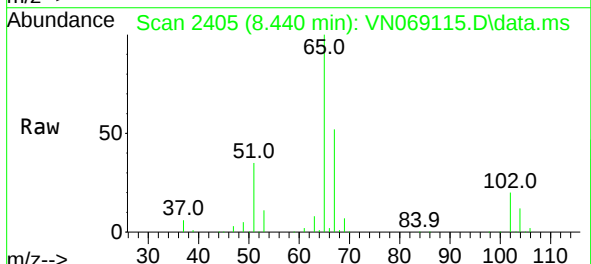
Instrument :
MSVOA_N
ClientSampled :

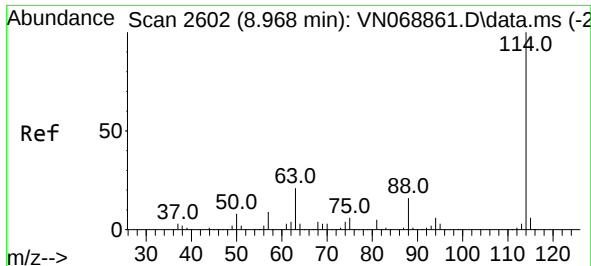
Tgt Ion: 56 Resp: 7922
Ion Ratio Lower Upper
56 100
69 164.3 26.9 40.3#
84 131.2 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.699 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 65 Resp: 232224
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

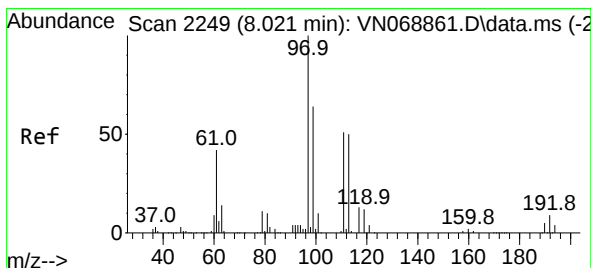
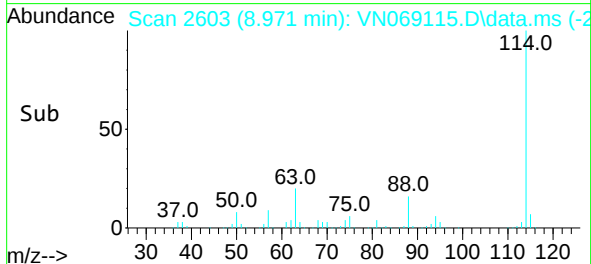
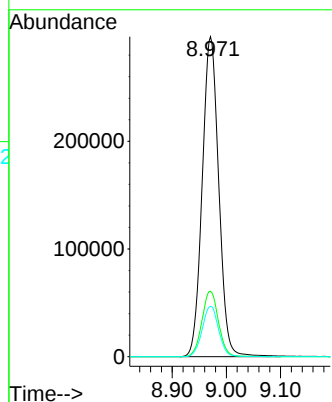
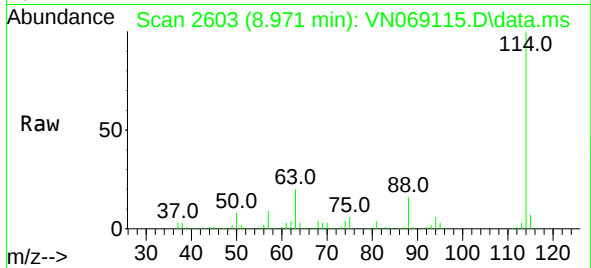




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

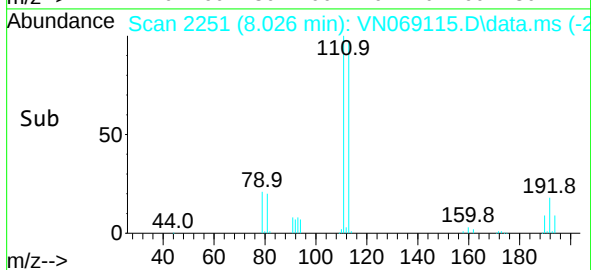
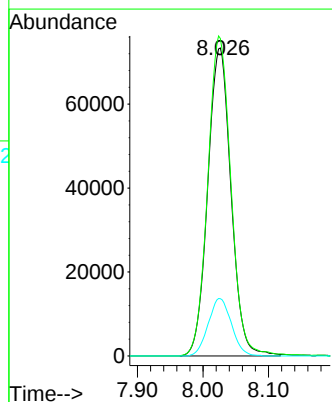
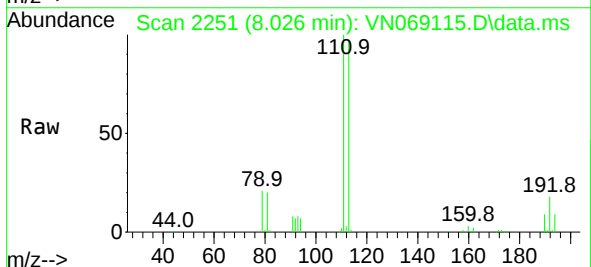
Instrument :
MSVOA_N
ClientSampled :

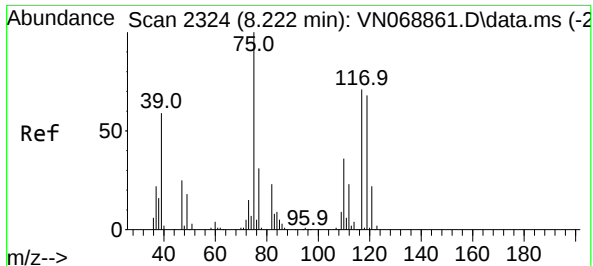
Tgt Ion:114 Resp: 629669
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.384 ug/l
RT: 8.026 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion:113 Resp: 180916
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 18.6 15.0 22.4

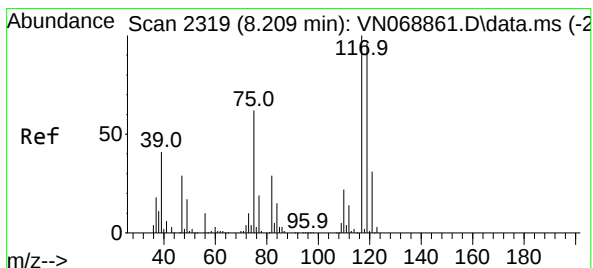
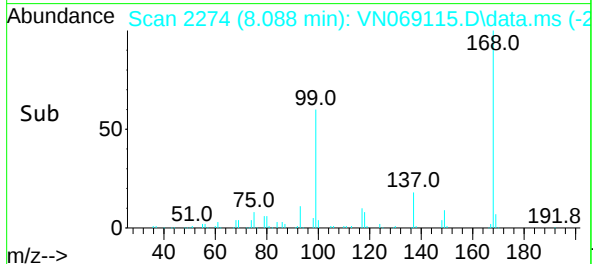
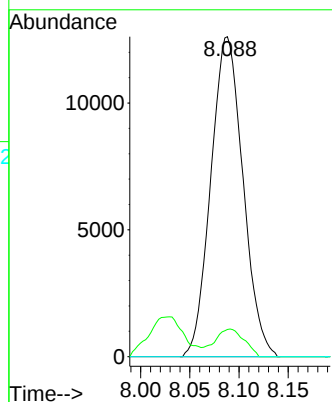
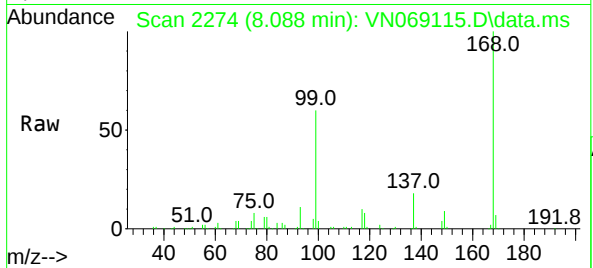




#36
1,1-Dichloropropene
Concen: 5.342 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

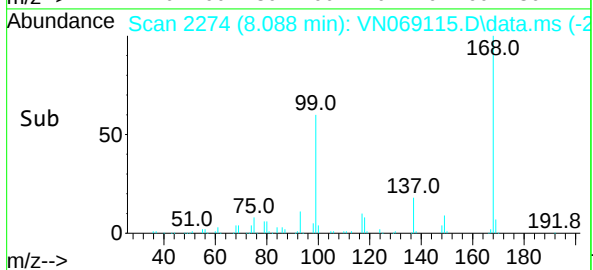
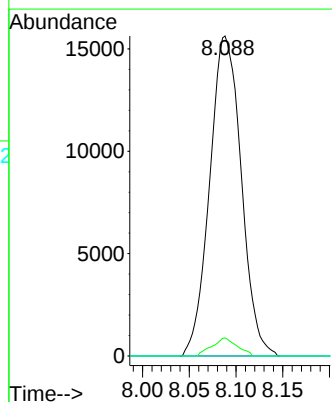
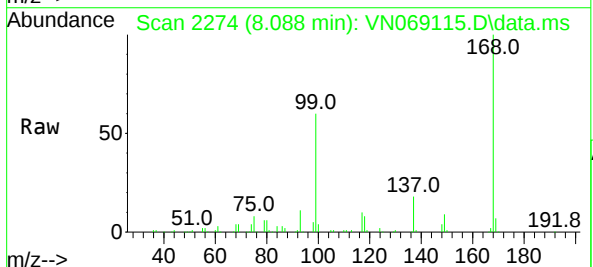
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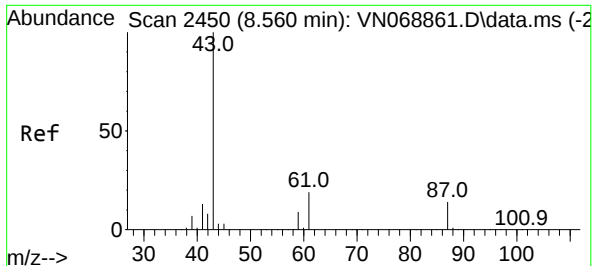
Tgt Ion: 75 Resp: 28731
Ion Ratio Lower Upper
75 100
110 7.8 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 117 Resp: 36758
Ion Ratio Lower Upper
117 100
119 5.6 76.9 115.3#
121 0.0 24.6 37.0#

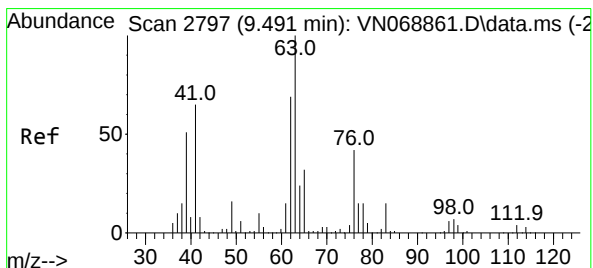
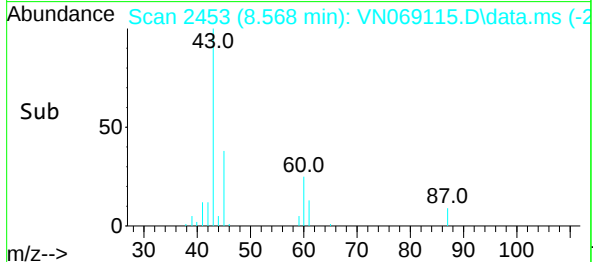
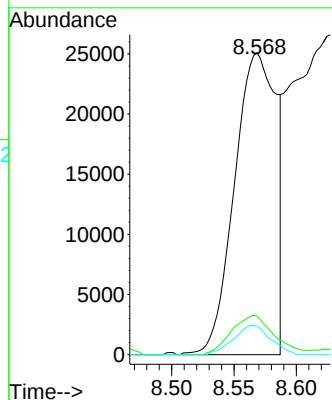
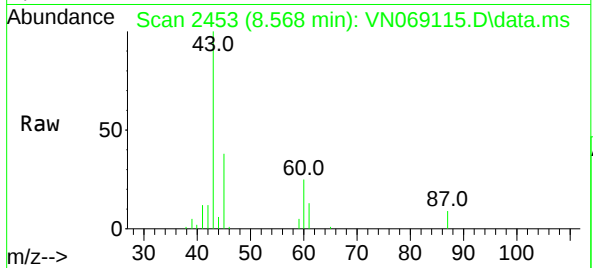




#43
Isopropyl Acetate
Concen: 5.986 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

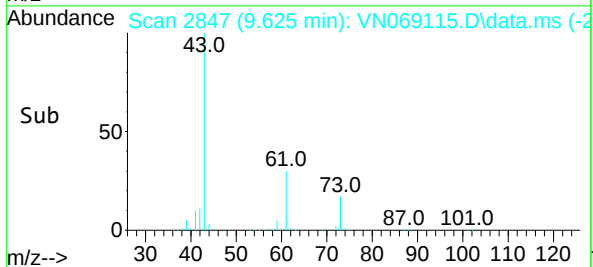
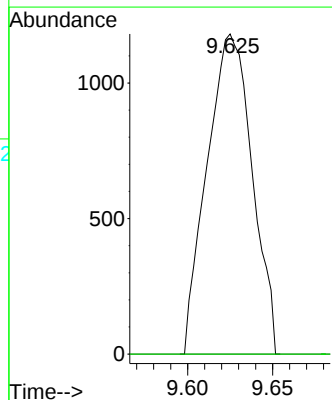
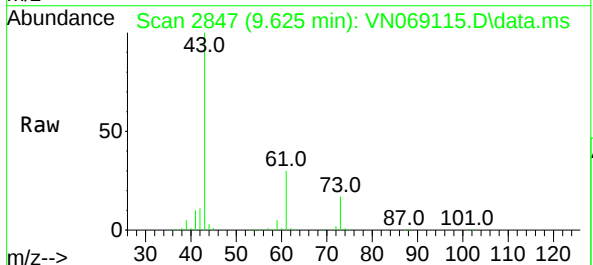
Instrument :
MSVOA_N
ClientSampleId :

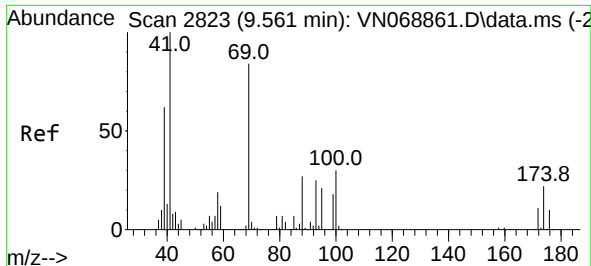
Tgt Ion: 43 Resp: 58671
Ion Ratio Lower Upper
43 100
61 13.3 20.4 30.6#
87 8.5 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.514 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 63 Resp: 2183
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

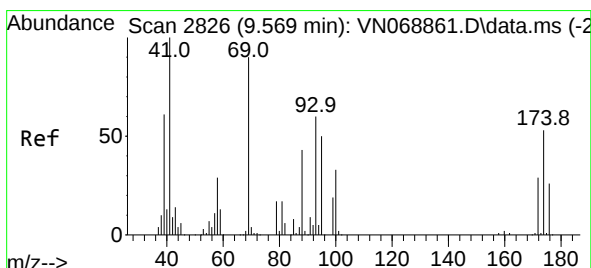
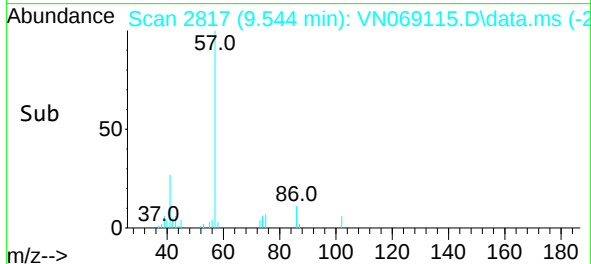
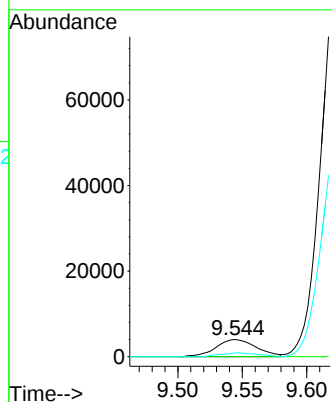
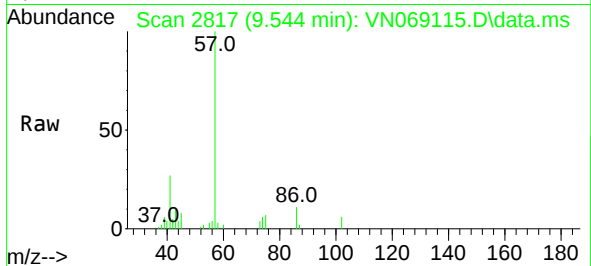




#48
Methyl methacrylate
Concen: 1.886 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

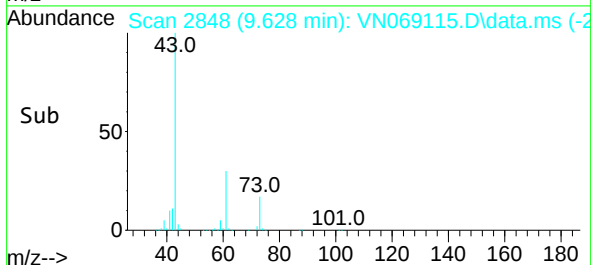
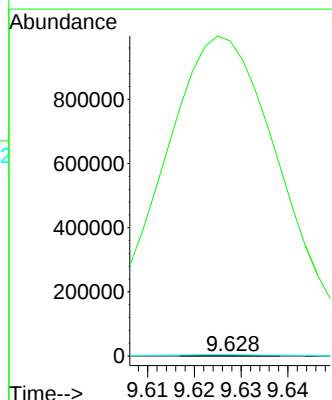
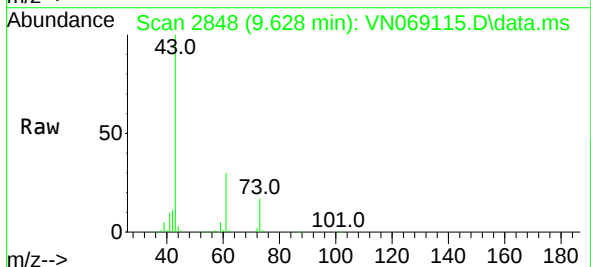
Instrument :
MSVOA_N
ClientSampled :

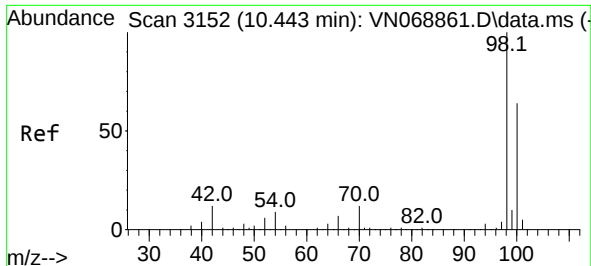
Tgt Ion: 41 Resp: 8686
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.267 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 1249230.3 24.9 37.3#
58 4902.0 56.9 85.3#

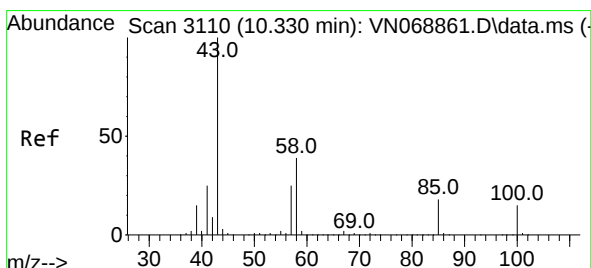
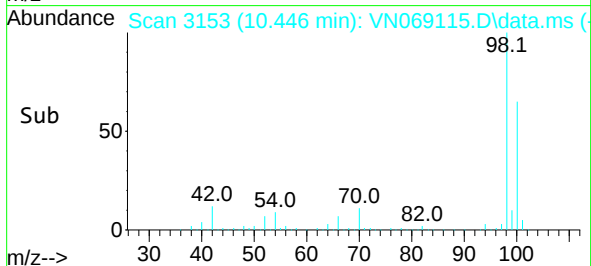
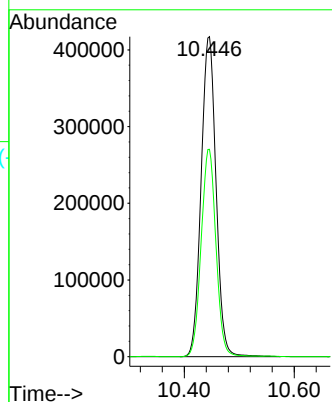
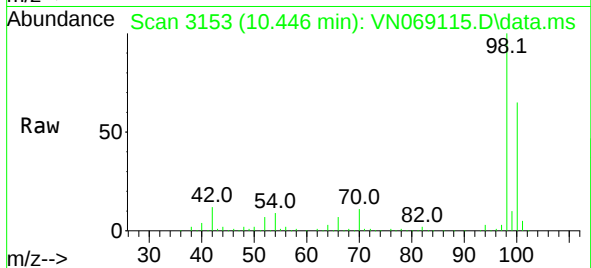




#50
Toluene-d8
Concen: 53.597 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

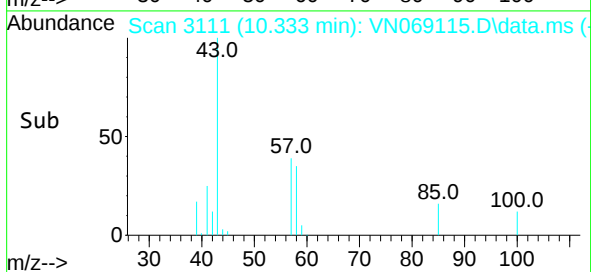
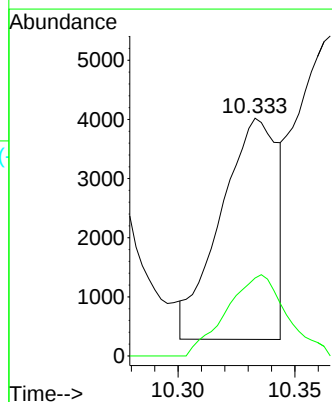
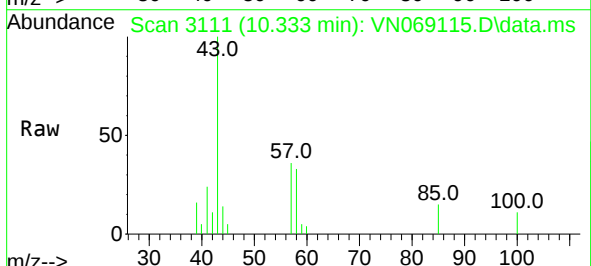
Instrument :
MSVOA_N
ClientSampleId :

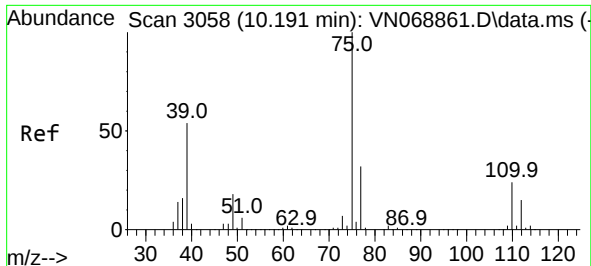
Tgt Ion: 98 Resp: 785628
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.116 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 43 Resp: 6344
Ion Ratio Lower Upper
43 100
58 38.7 31.0 46.4

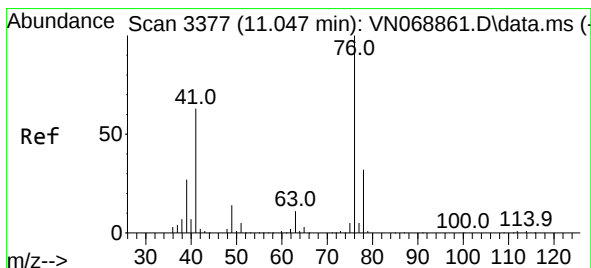
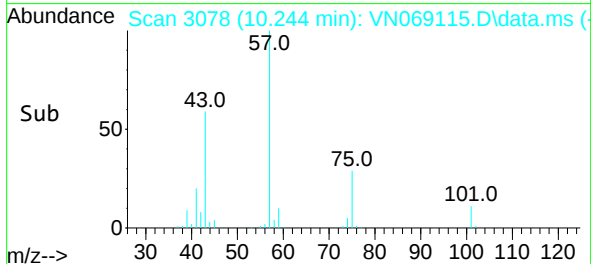
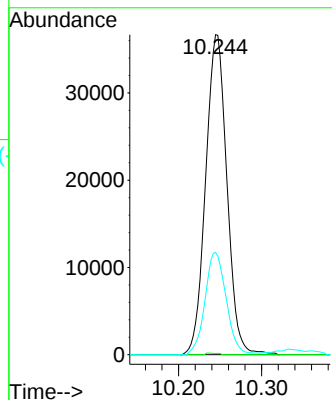
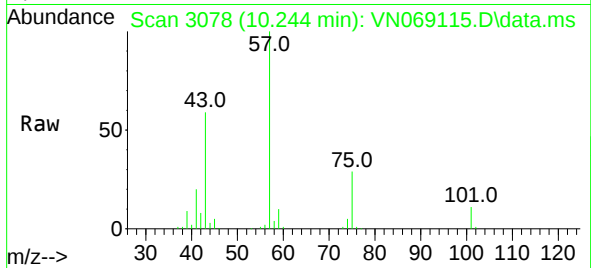




#54
 cis-1,3-Dichloropropene
 Concen: 9.200 ug/l
 RT: 10.244 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069115.D
 Acq: 22 Oct 2021 3:22

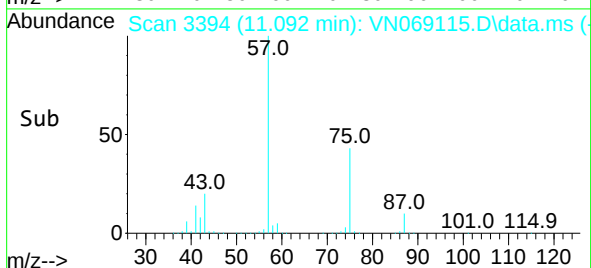
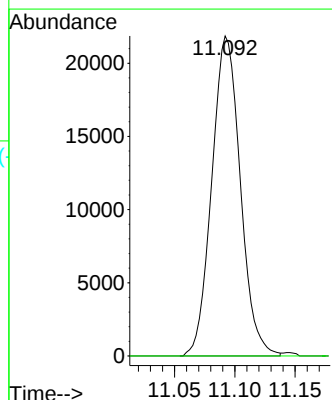
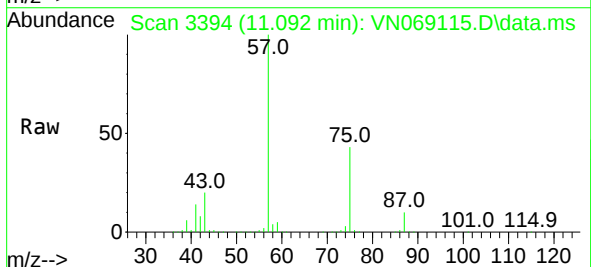
Instrument :
 MSVOA_N
 ClientSampleId :

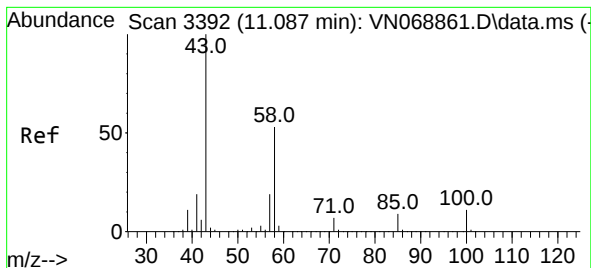
Tgt Ion: 75 Resp: 65183
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.6 38.4#
 39 32.0 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.253 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.045 min
 Lab File: VN069115.D
 Acq: 22 Oct 2021 3:22

Tgt Ion: 76 Resp: 35982
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

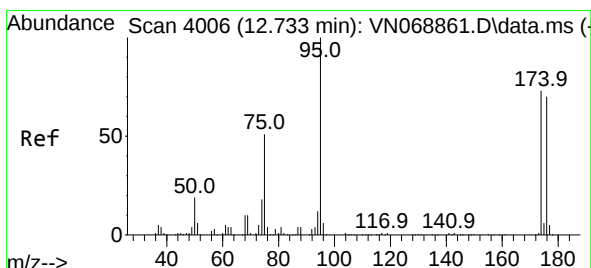
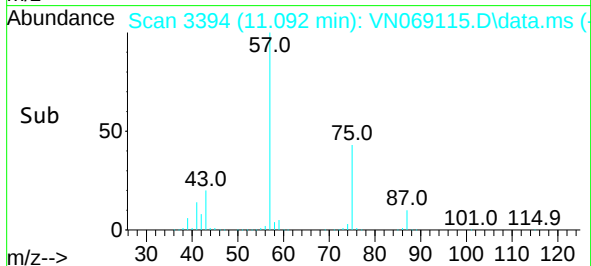
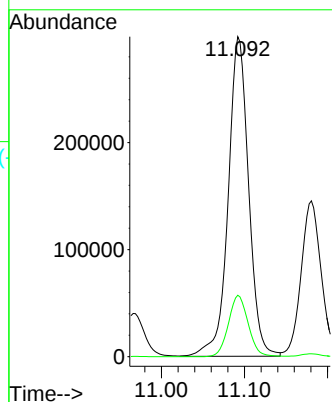
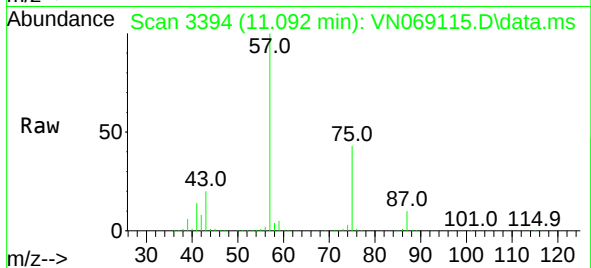




#59
2-Hexanone
Concen: 125.258 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

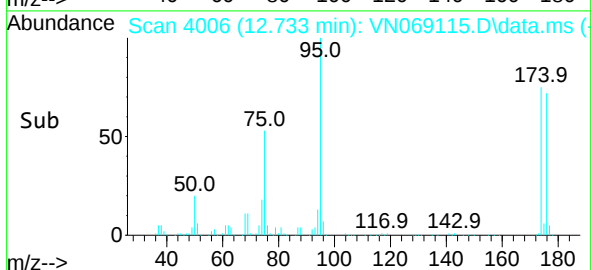
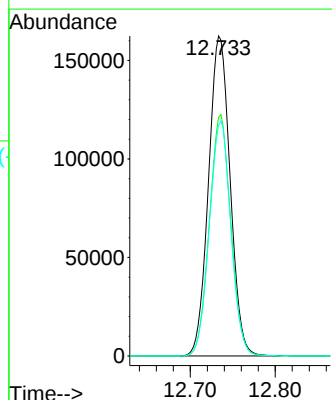
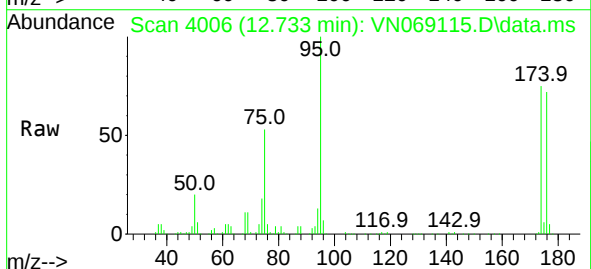
Instrument :
MSVOA_N
ClientSampleId :

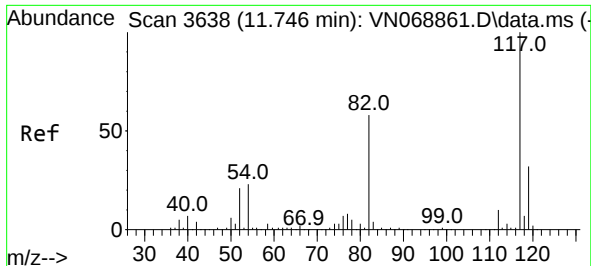
Tgt Ion: 43 Resp: 510476
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 51.867 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 95 Resp: 286845
Ion Ratio Lower Upper
95 100
174 74.8 0.0 144.8
176 73.0 0.0 140.0

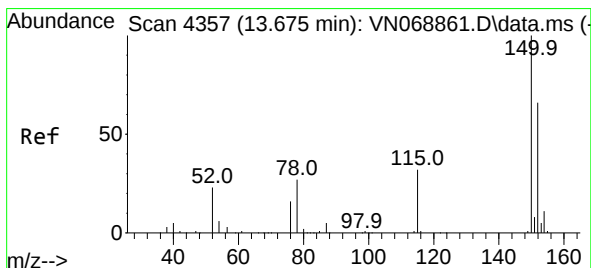
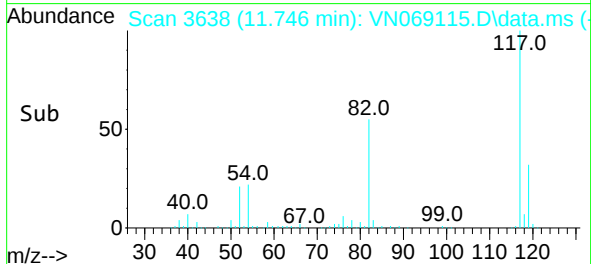
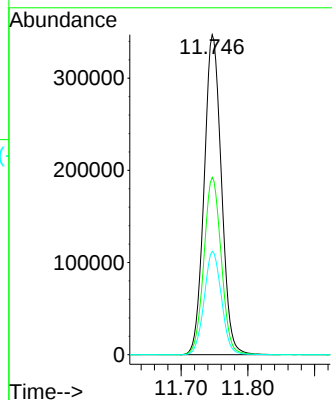
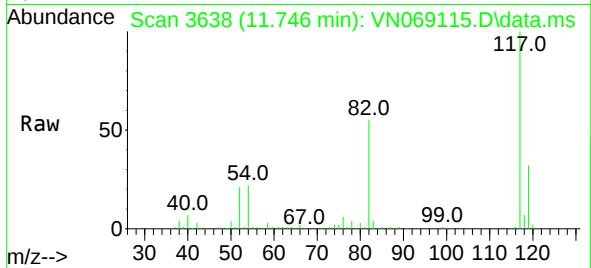




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

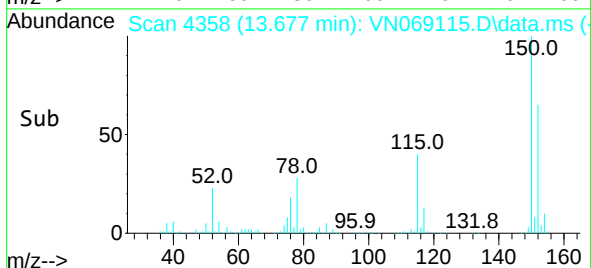
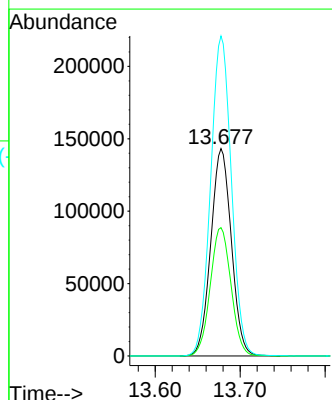
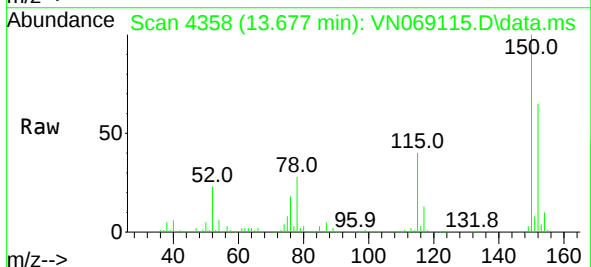
Instrument :
MSVOA_N
ClientSampleId :

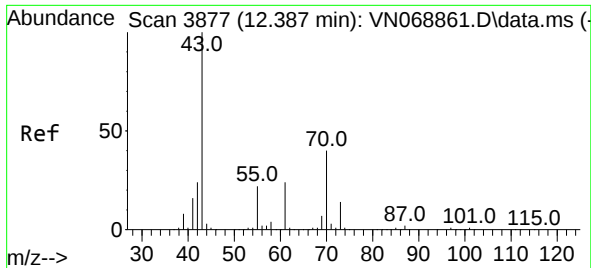
Tgt Ion:117 Resp: 623257
Ion Ratio Lower Upper
117 100
82 55.4 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion:152 Resp: 240911
Ion Ratio Lower Upper
152 100
115 62.5 31.4 94.3
150 155.5 0.0 351.0

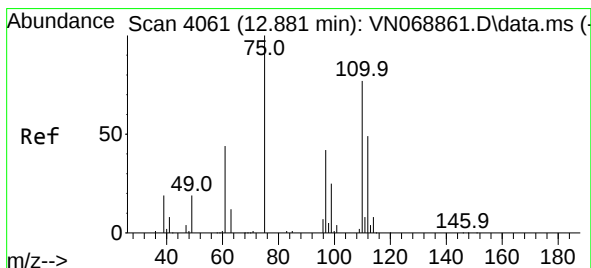
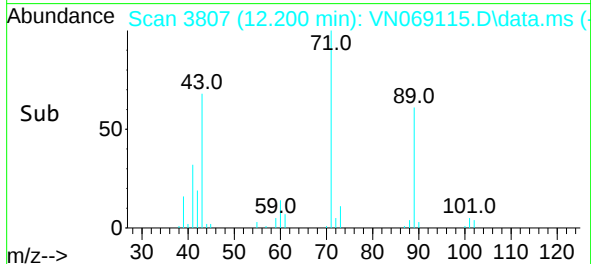
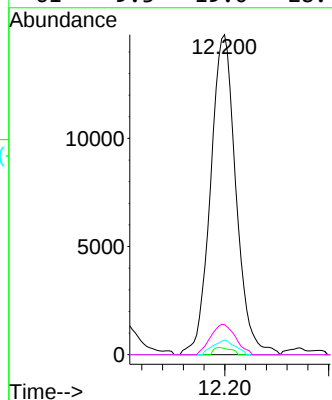
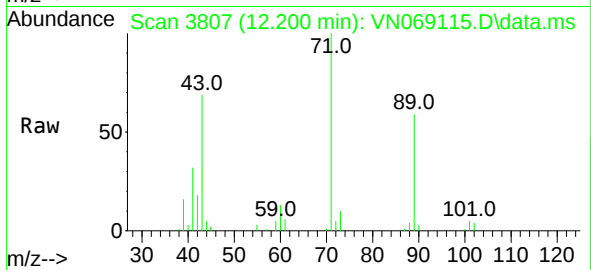




#74
N-amy1 acetate
Concen: 3.313 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.188 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

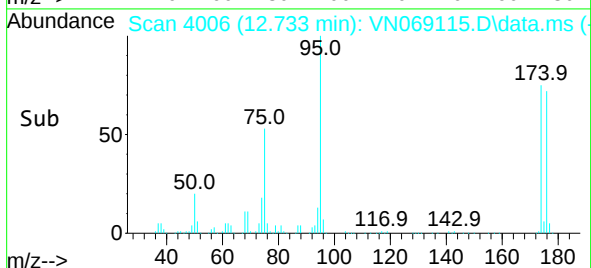
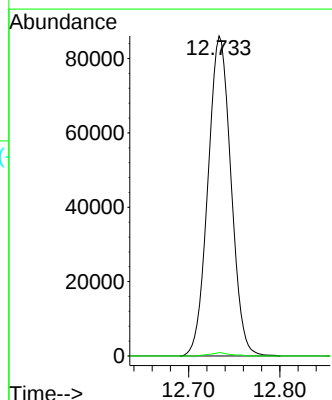
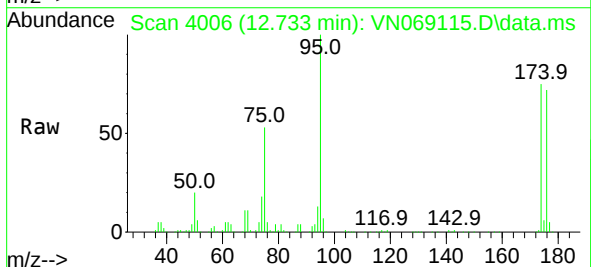
Instrument :
MSVOA_N
ClientSampled :

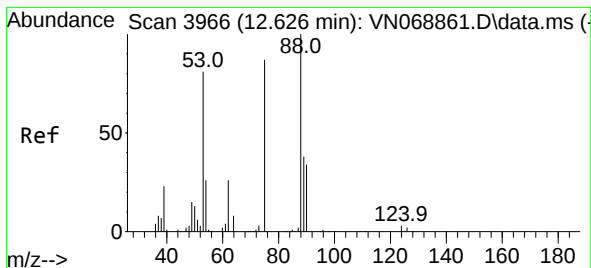
Tgt Ion: 43	Resp: 25170
Ion Ratio	Lower Upper
43 100	
70 1.5	32.2 48.2#
55 3.9	18.0 27.0#
61 9.3	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 29.443 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion: 75	Resp: 150920
Ion Ratio	Lower Upper
75 100	
77 0.9	96.2 288.4#

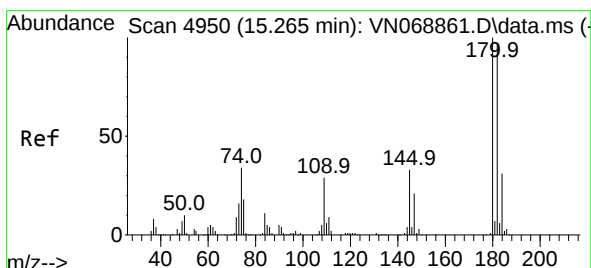
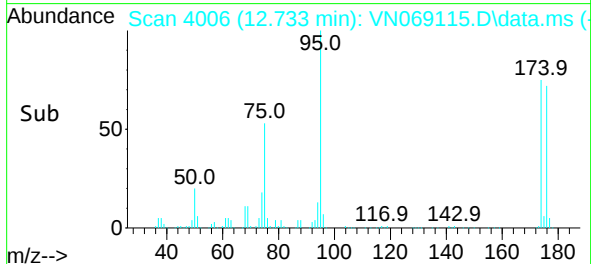
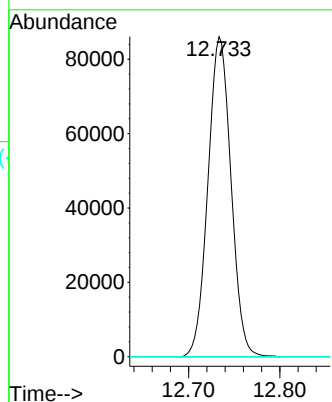
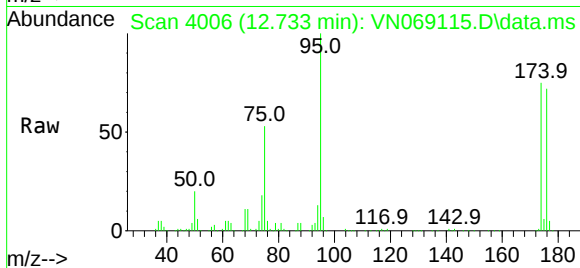




#81
trans-1,4-Dichloro-2-butene
Concen: 70.440 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

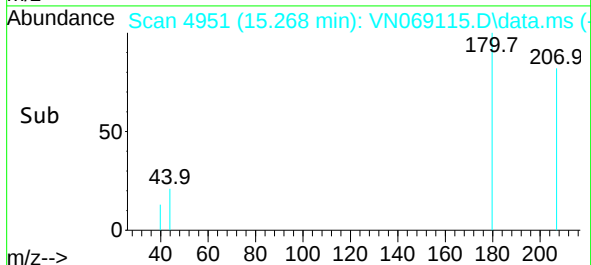
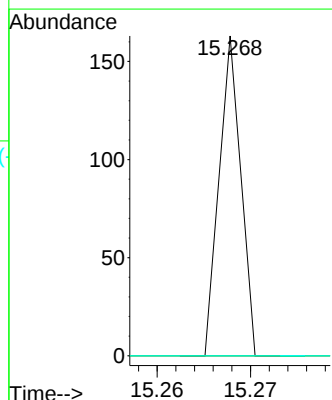
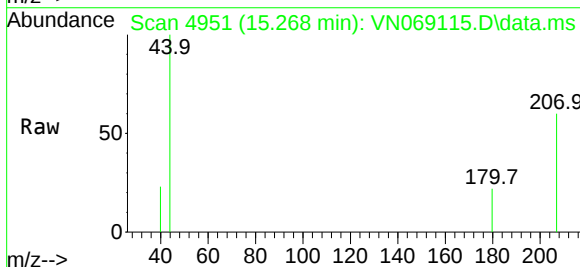
Instrument :
MSVOA_N
ClientSampleId :

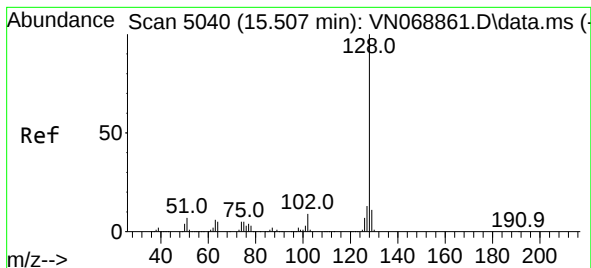
Tgt Ion: 75 Resp: 150920
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.608 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

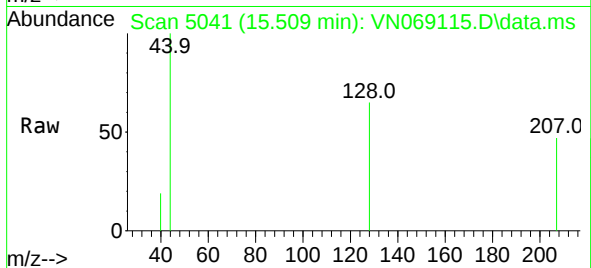
Tgt Ion:180 Resp: 26
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 16.4 49.2#



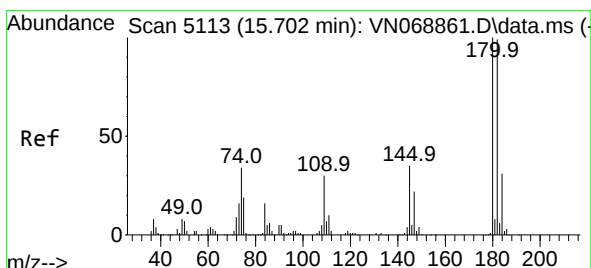
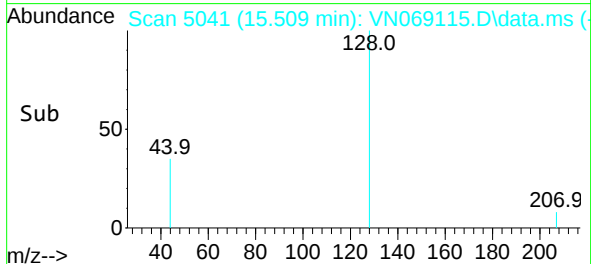
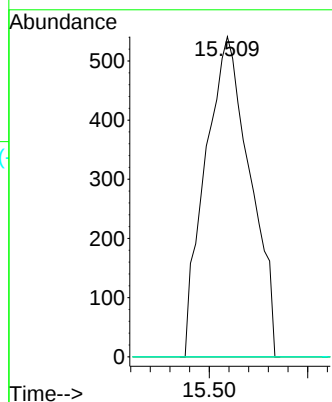


#95
Naphthalene
Concen: 3.882 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 855
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: 2.520 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069115.D
Acq: 22 Oct 2021 3:22

Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 96.0 48.1 144.3
145 0.0 17.4 52.2#

