

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102621\
 Data File : VN069158.D
 Acq On : 25 Oct 2021 18:09
 Operator : JC/MD
 Sample : M4288-01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 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)

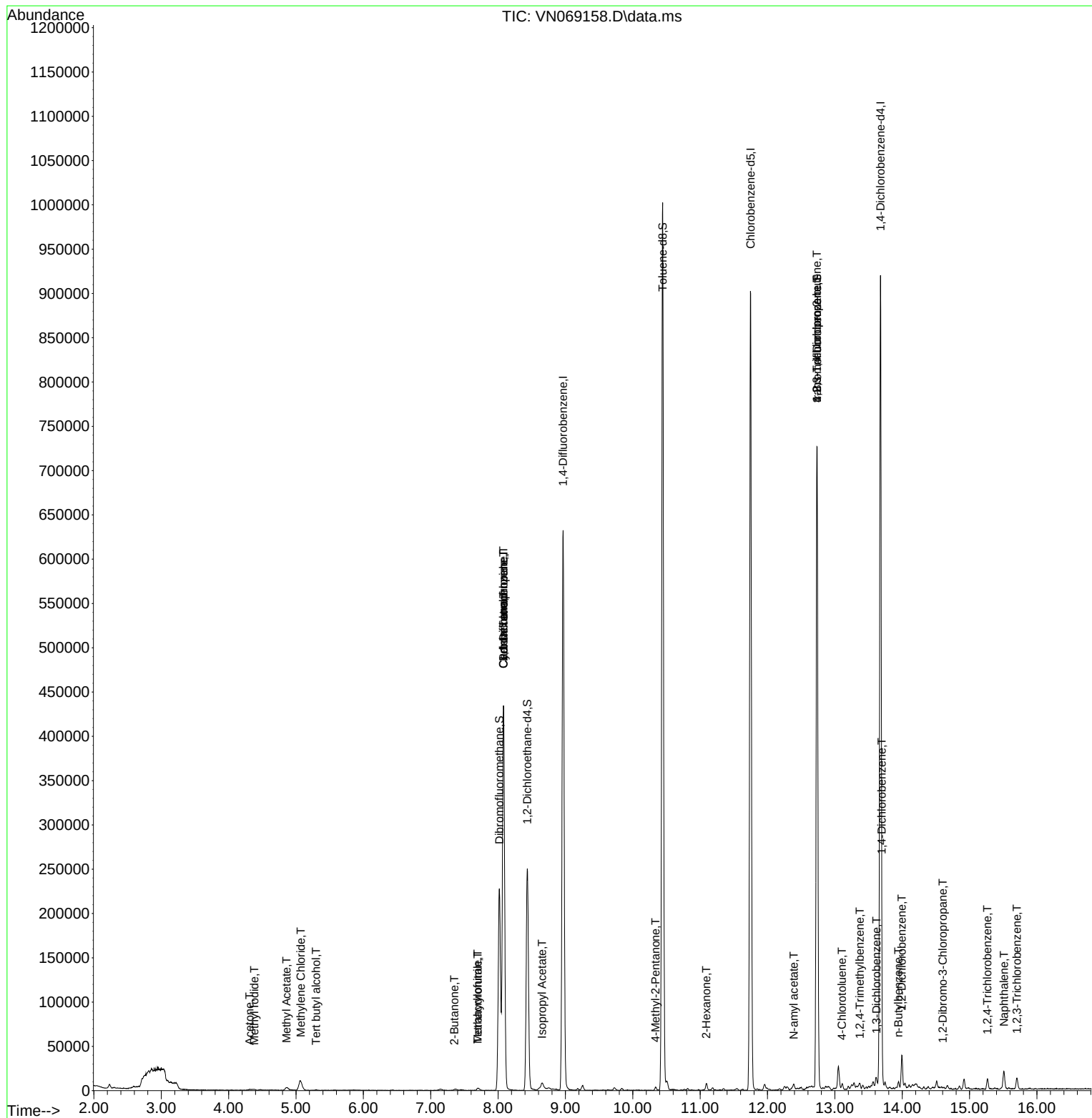
Internal Standards						
1) Pentafluorobenzene	8.080	168	328085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	580309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	533459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	237882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	217770	50.343	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.680%			
35) Dibromofluoromethane	8.019	113	169131	50.094	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.180%			
50) Toluene-d8	10.443	98	711294	52.653	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.736	95	263211	51.642	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.280%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.382	142	1293	0.290	ug/l #	66
11) Tert butyl alcohol	5.296	59	174	0.220	ug/l #	72
16) Acetone	4.312	43	888	0.550	ug/l	91
18) Methyl Acetate	4.857	43	3818	0.624	ug/l #	79
20) Methylene Chloride	5.071	84	10143	2.730	ug/l	92
25) 2-Butanone	7.351	43	678	0.278	ug/l #	48
29) Tetrahydrofuran	7.697	42	1052	0.664	ug/l #	47
31) Cyclohexane	8.078	56	7450	1.108	ug/l #	3
36) 1,1-Dichloropropene	8.080	75	27350	5.518	ug/l #	49
38) Carbon Tetrachloride	8.078	117	34398	6.319	ug/l #	15
41) Methacrylonitrile	7.697	41	780	0.302	ug/l #	40
43) Isopropyl Acetate	8.654	43	8720	0.965	ug/l #	55
51) 4-Methyl-2-Pentanone	10.339	43	3146	0.601	ug/l #	82
59) 2-Hexanone	11.092	43	5309	1.414	ug/l	96
74) N-amyl acetate	12.390	43	3785	0.505	ug/l #	89
76) 1,2,3-Trichloropropane	12.734	75	139622	27.585	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	139622	65.996	ug/l #	12
82) 4-Chlorotoluene	13.106	91	2665	0.201	ug/l	89
84) 1,2,4-Trimethylbenzene	13.369	105	4636	0.292	ug/l	94
87) 1,3-Dichlorobenzene	13.619	146	2127	0.281	ug/l #	79
88) 1,4-Dichlorobenzene	13.696	146	2866	0.381	ug/l #	1
89) n-Butylbenzene	13.943	91	5444	0.410	ug/l #	84
91) 1,2-Dichlorobenzene	13.994	146	2274	0.309	ug/l	82
92) 1,2-Dibromo-3-Chloropr...	14.603	75	350	0.317	ug/l #	71
93) 1,2,4-Trichlorobenzene	15.265	180	4079	3.569	ug/l	93
95) Naphthalene	15.509	128	20184	5.501	ug/l	96
96) 1,2,3-Trichlorobenzene	15.702	180	4829	3.720	ug/l	94

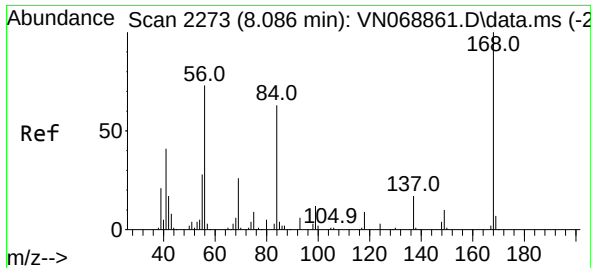
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102621\
Data File : VN069158.D
Acq On : 25 Oct 2021 18:09
Operator : JC/MD
Sample : M4288-01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 26 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

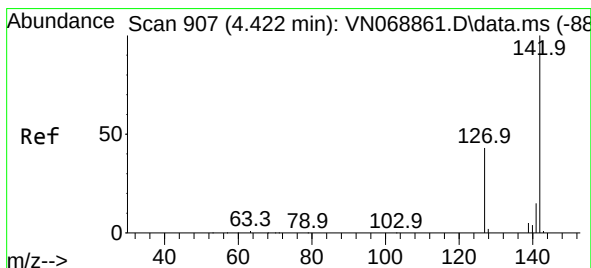
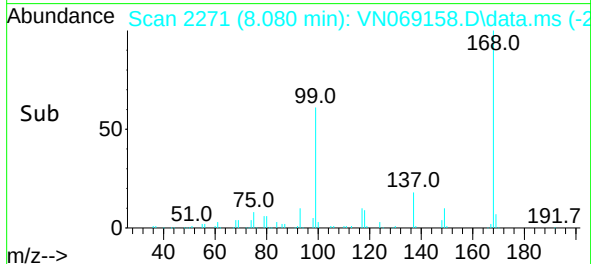
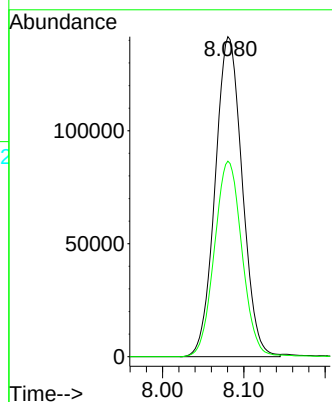
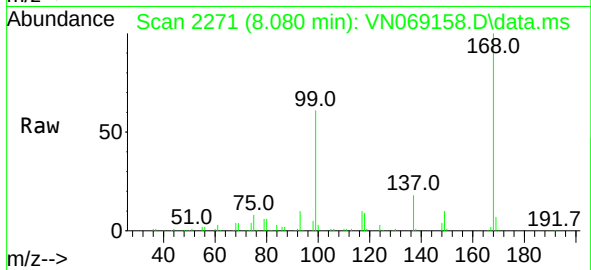




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

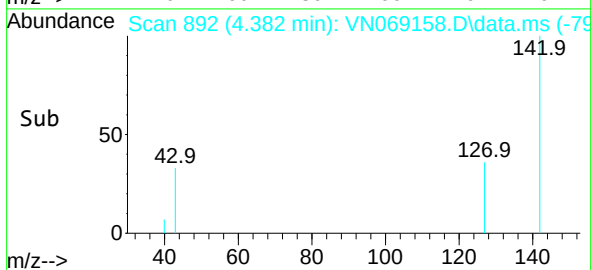
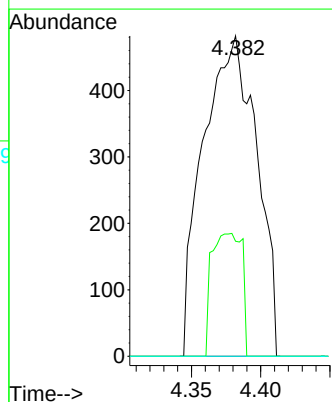
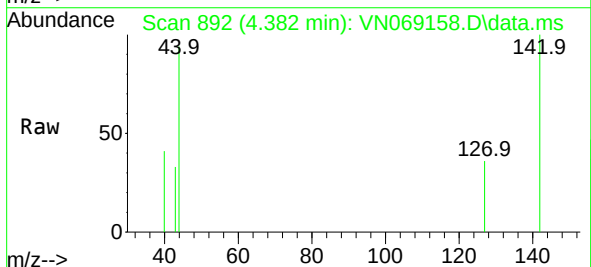
Instrument :
MSVOA_N
ClientSampled :

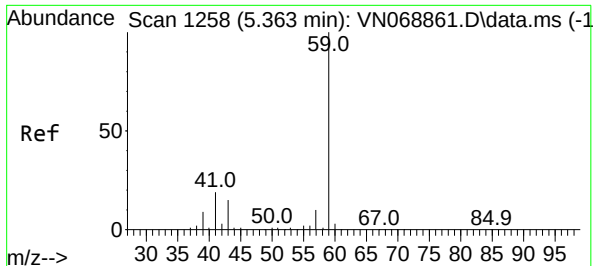
Tgt Ion:168 Resp: 328085
Ion Ratio Lower Upper
168 100
99 61.1 48.9 73.3



#10
Methyl Iodide
Concen: 0.290 ug/l
RT: 4.382 min Scan# 892
Delta R.T. -0.040 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion:142 Resp: 1293
Ion Ratio Lower Upper
142 100
127 21.7 34.4 51.6#
141 0.0 11.3 16.9#



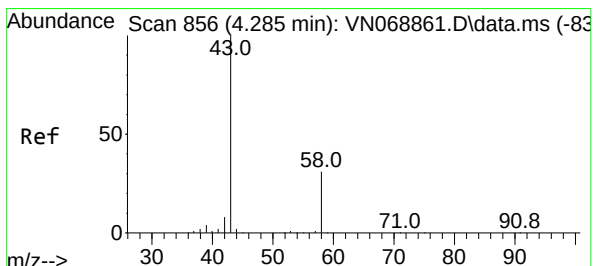
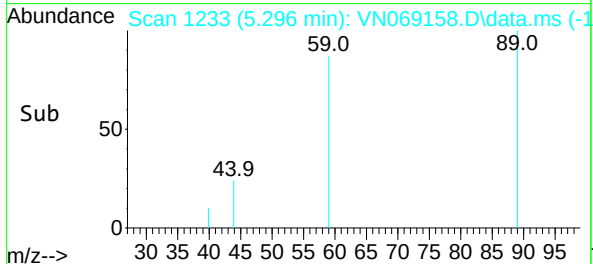
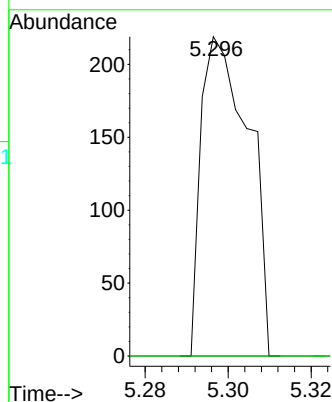
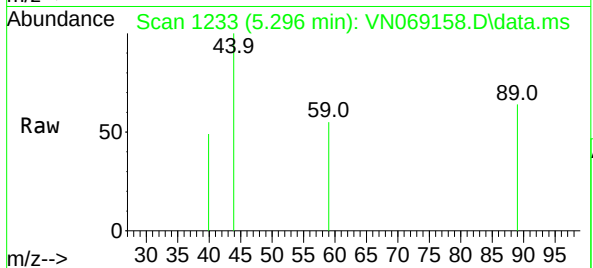


#11

Tert butyl alcohol
Concen: 0.220 ug/l
RT: 5.296 min Scan# 1233
Delta R.T. -0.067 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Instrument :
MSVOA_N
ClientSampled :

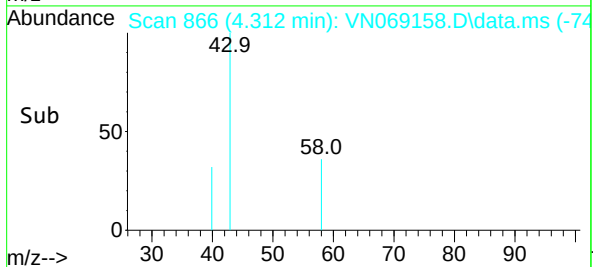
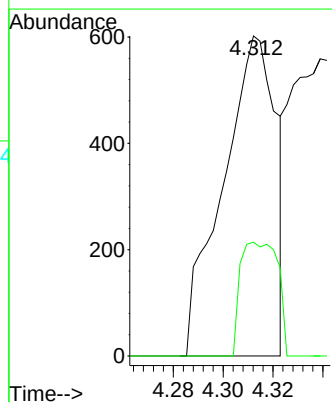
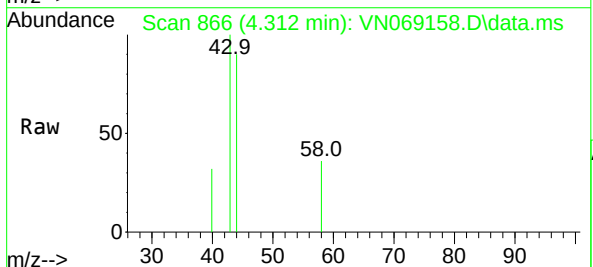
Tgt Ion: 59 Resp: 174
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

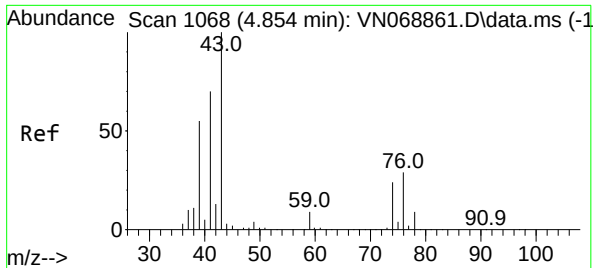


#16

Acetone
Concen: 0.550 ug/l
RT: 4.312 min Scan# 866
Delta R.T. 0.027 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 35.5 24.5 36.7

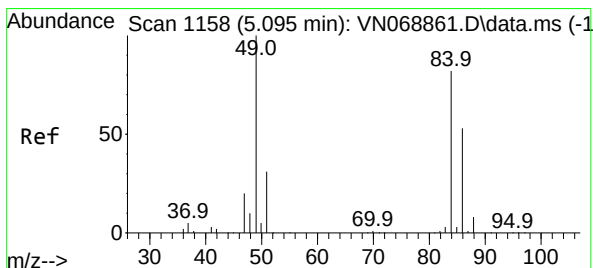
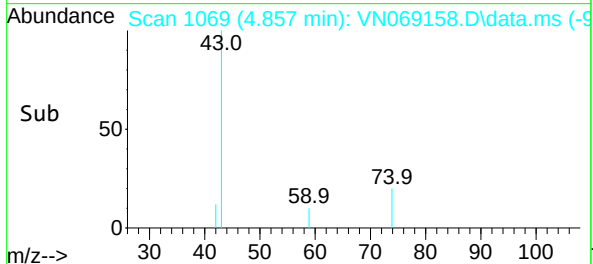
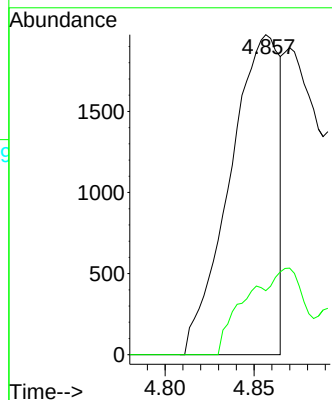
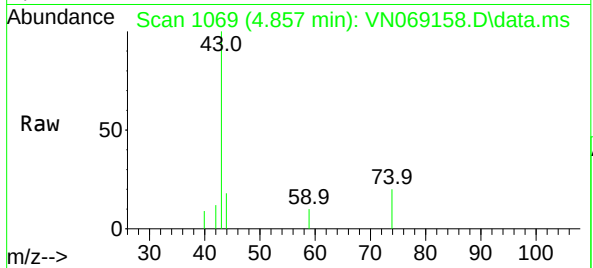




#18
Methyl Acetate
Concen: 0.624 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

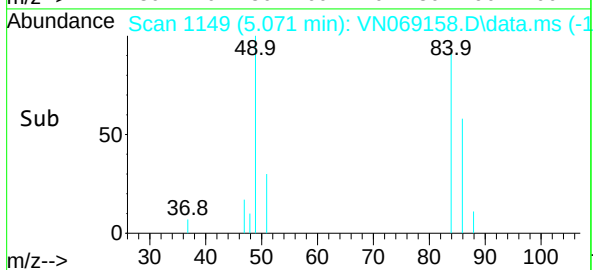
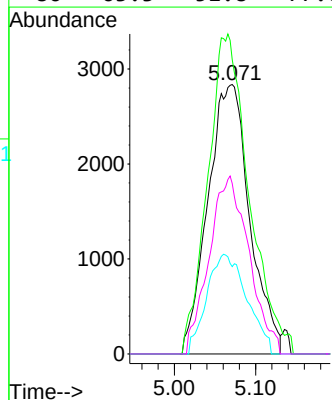
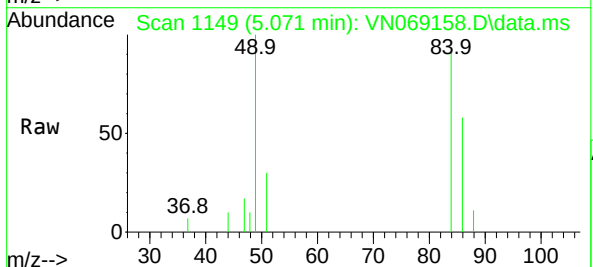
Instrument :
MSVOA_N
ClientSampled :

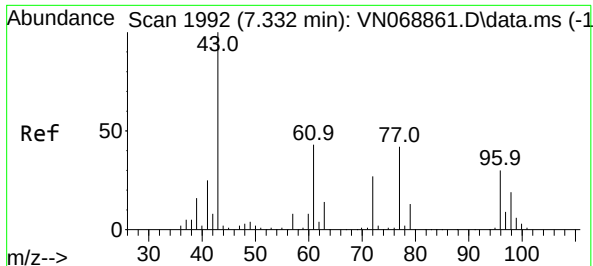
Tgt Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
74 13.5 18.9 28.3#



#20
Methylene Chloride
Concen: 2.730 ug/l
RT: 5.071 min Scan# 1149
Delta R.T. -0.024 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 84 Resp: 10143
Ion Ratio Lower Upper
84 100
49 109.3 97.6 146.4
51 32.4 30.3 45.5
86 63.3 51.8 77.6

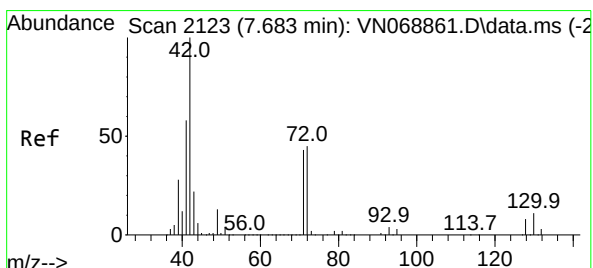
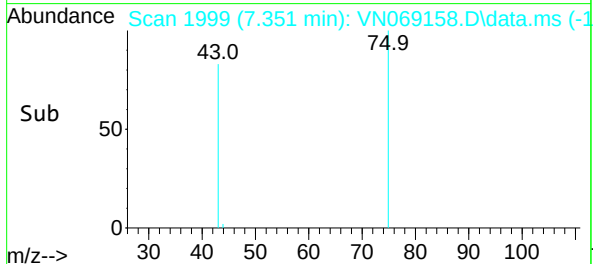
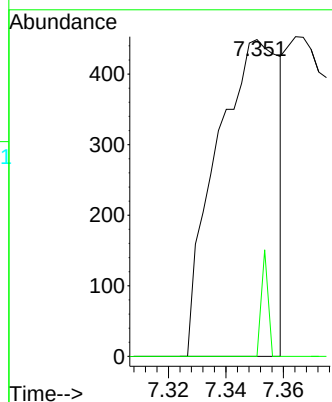
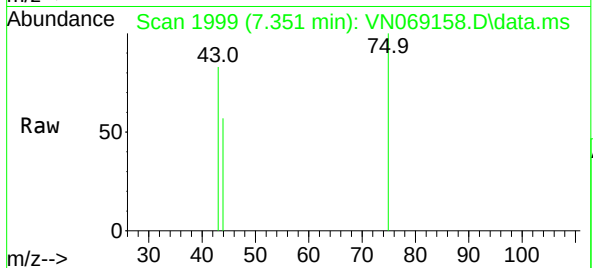




#25
2-Butanone
Concen: 0.278 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

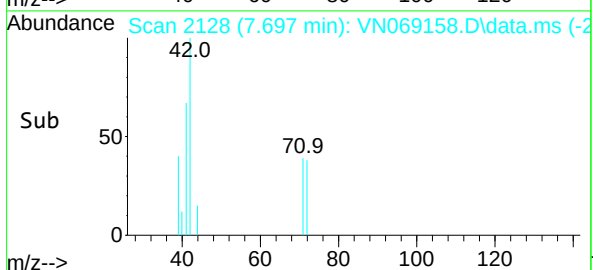
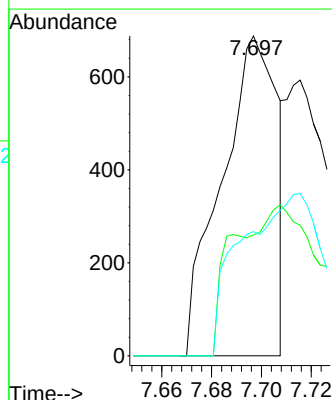
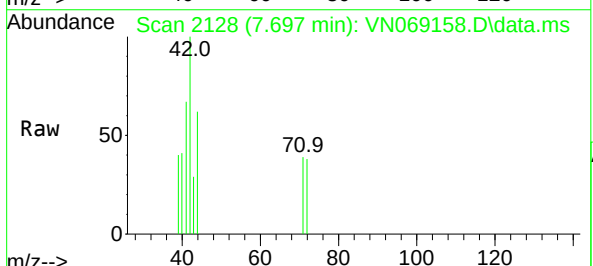
Instrument :
MSVOA_N
ClientSampled :

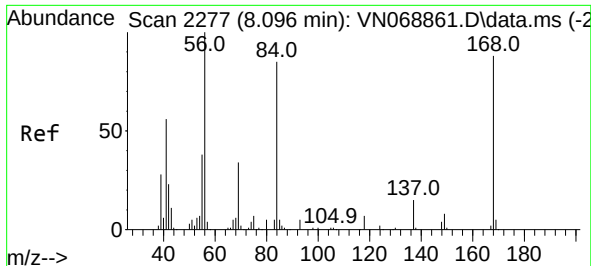
Tgt Ion: 43 Resp: 678
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.664 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.013 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 42 Resp: 1052
Ion Ratio Lower Upper
42 100
72 18.7 35.4 53.2#
71 0.0 33.8 50.6#

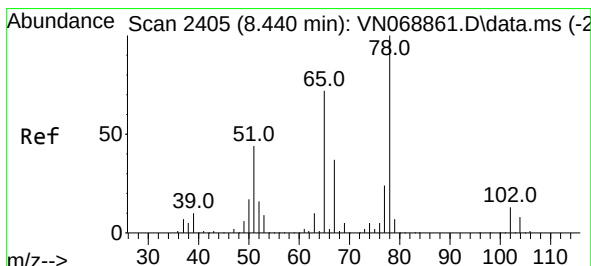
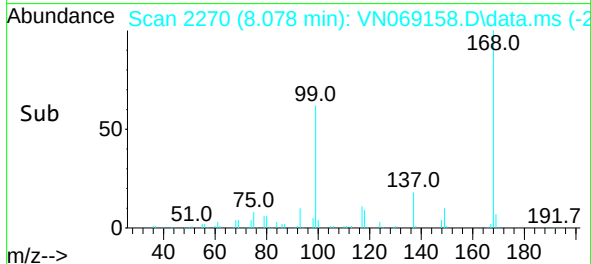
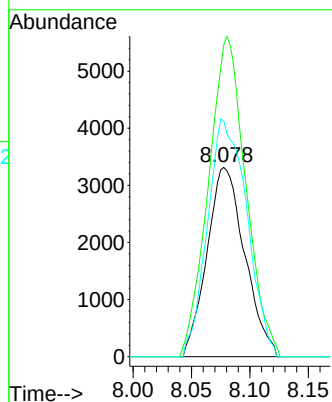
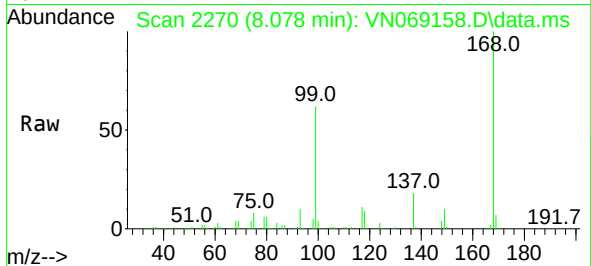




#31
Cyclohexane
Concen: 1.108 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.018 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

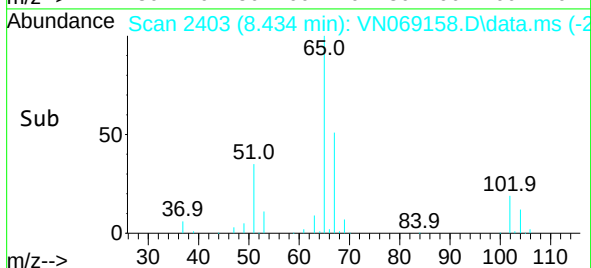
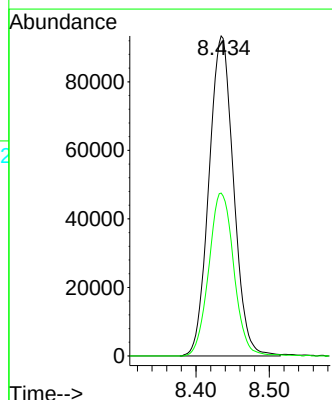
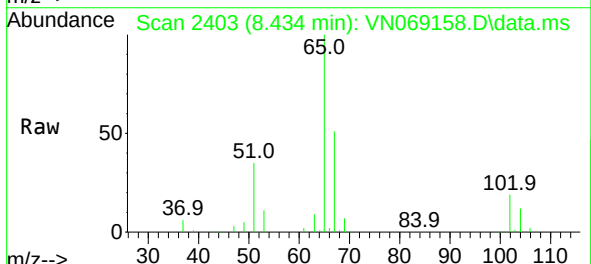
Instrument :
MSVOA_N
ClientSampleId :

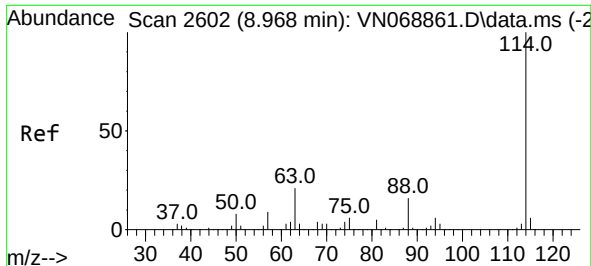
Tgt Ion: 56 Resp: 7450
Ion Ratio Lower Upper
56 100
69 164.7 26.9 40.3#
84 124.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 50.343 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.005 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 65 Resp: 217770
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8

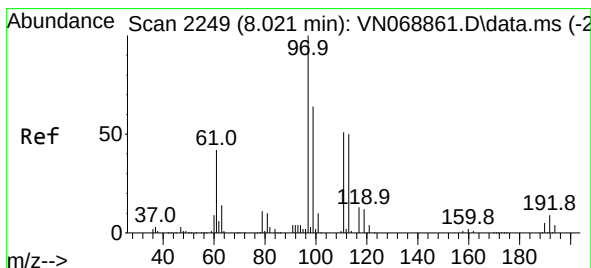
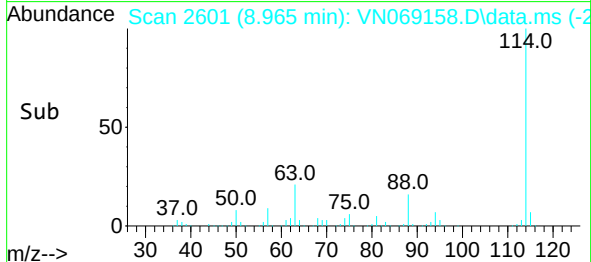
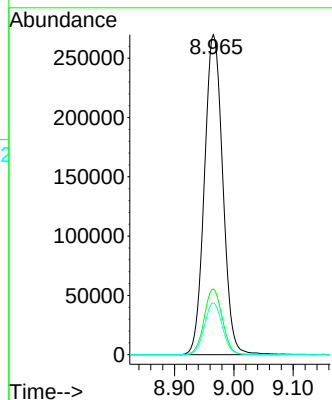
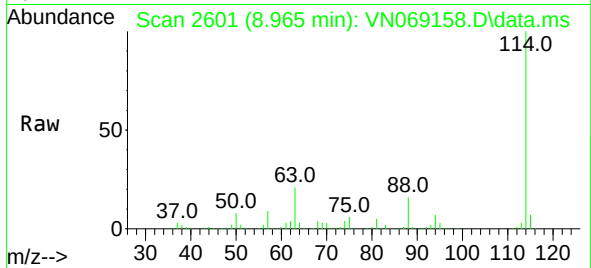




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

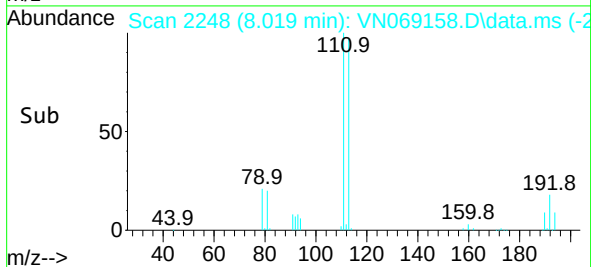
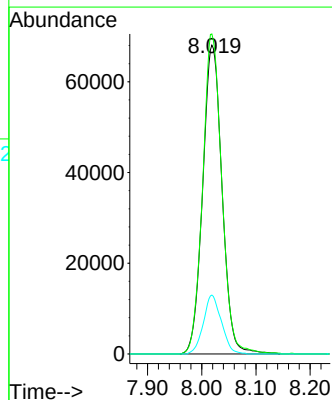
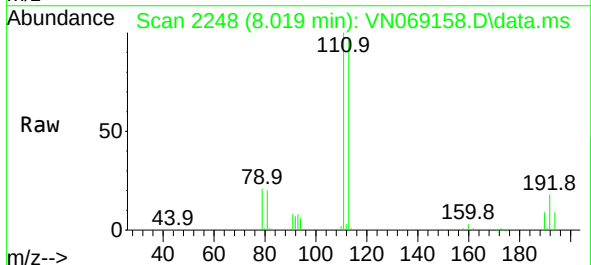
Instrument :
MSVOA_N
ClientSampled :

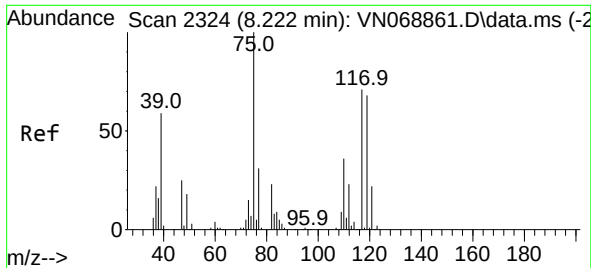
Tgt Ion:114 Resp: 580309
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 16.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.094 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion:113 Resp: 169131
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 17.8 15.0 22.4

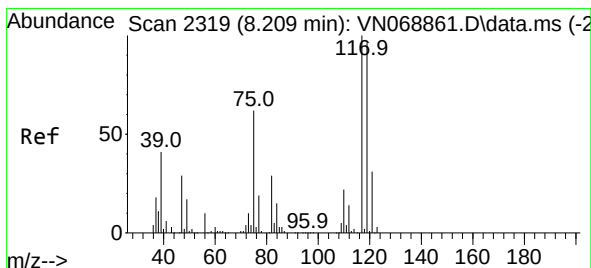
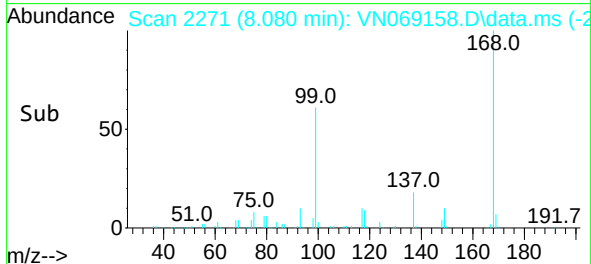
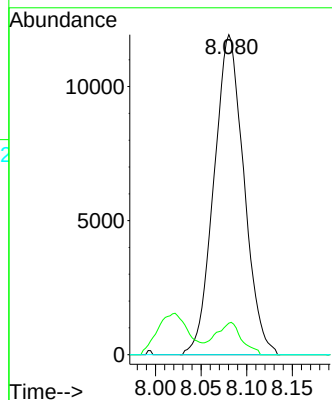
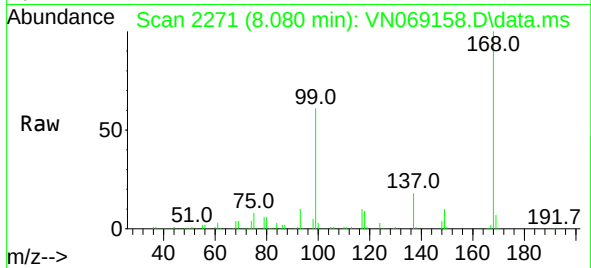




#36
 1,1-Dichloropropene
 Concen: 5.518 ug/l
 RT: 8.080 min Scan# 2271
 Delta R.T. -0.142 min
 Lab File: VN069158.D
 Acq: 25 Oct 2021 18:09

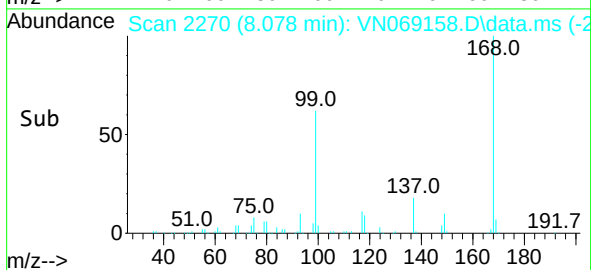
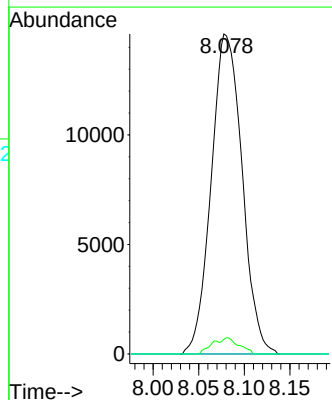
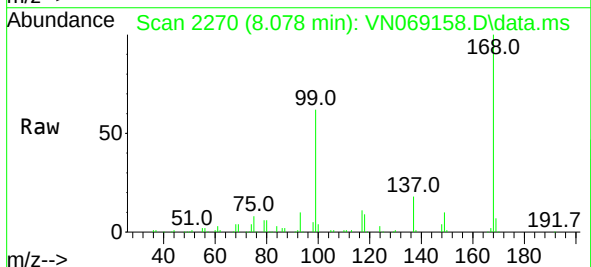
Instrument :
 MSVOA_N
 ClientSampled :

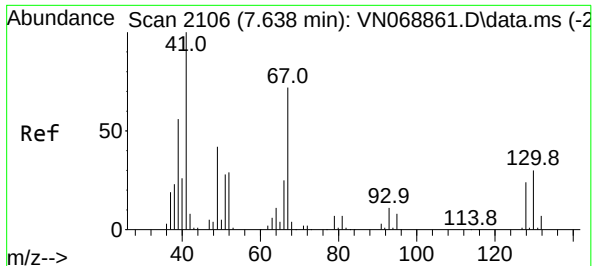
Tgt Ion: 75 Resp: 27350
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.319 ug/l
 RT: 8.078 min Scan# 2270
 Delta R.T. -0.131 min
 Lab File: VN069158.D
 Acq: 25 Oct 2021 18:09

Tgt Ion: 117 Resp: 34398
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.9 115.3#
 121 0.0 24.6 37.0#

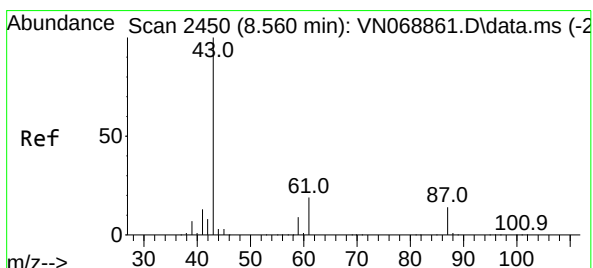
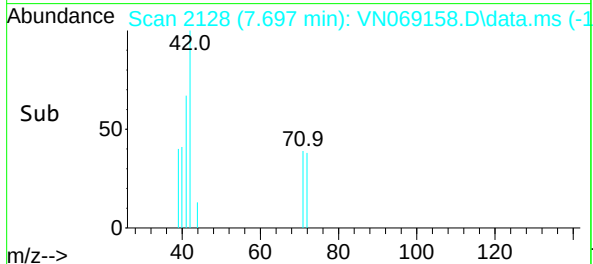
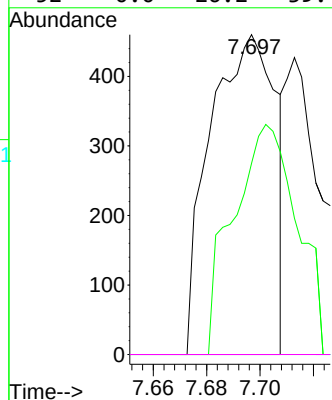
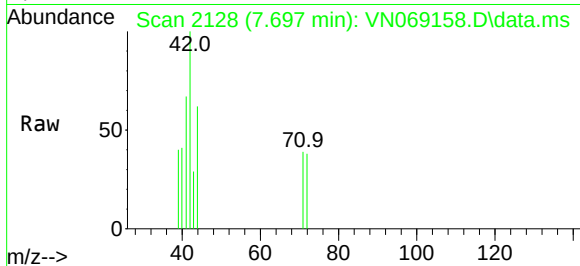




#41
Methacrylonitrile
Concen: 0.302 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

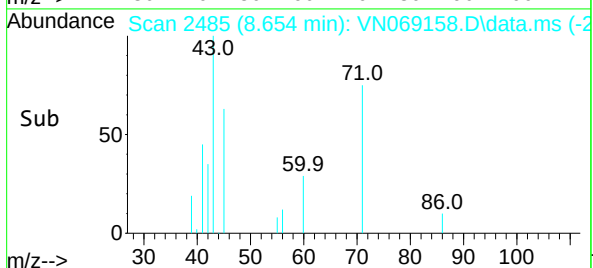
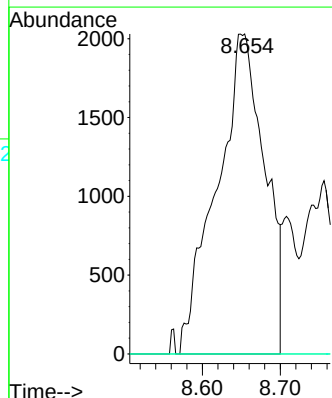
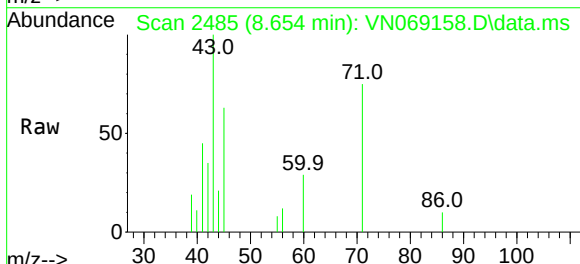
Instrument :
MSVOA_N
ClientSampled :

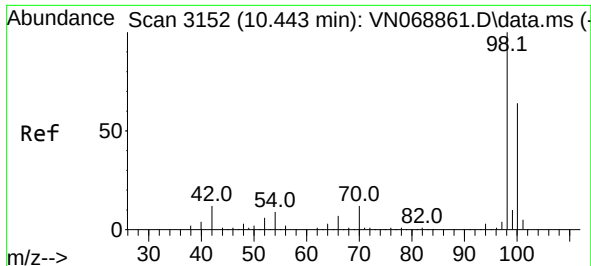
Tgt Ion:	41	Resp:	780
Ion	Ratio	Lower	Upper
41	100		
39	70.6	44.9	67.3#
67	0.0	62.6	93.8#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 0.965 ug/l
RT: 8.654 min Scan# 2485
Delta R.T. 0.094 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion:	43	Resp:	8720
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.4	30.6#
87	0.0	10.7	16.1#

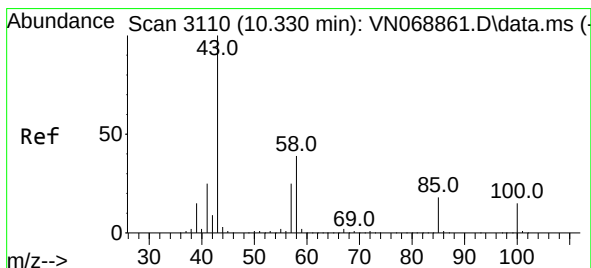
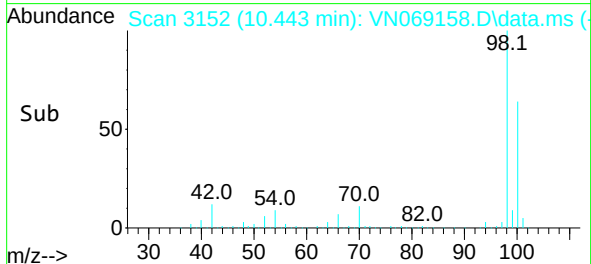
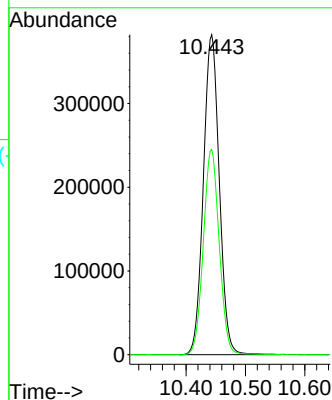
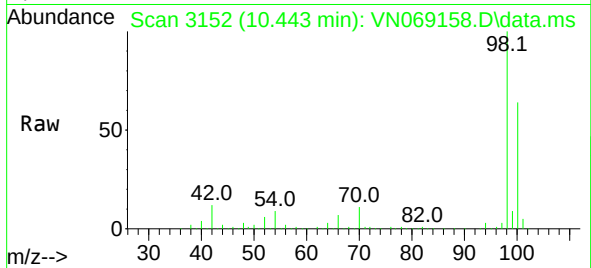




#50
Toluene-d8
Concen: 52.653 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

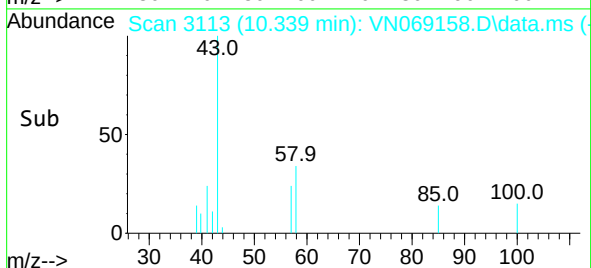
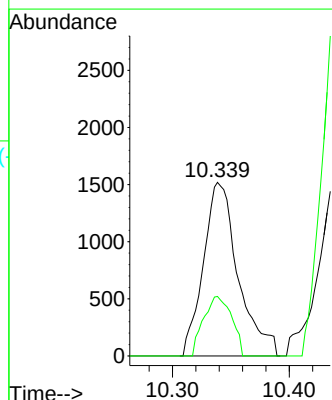
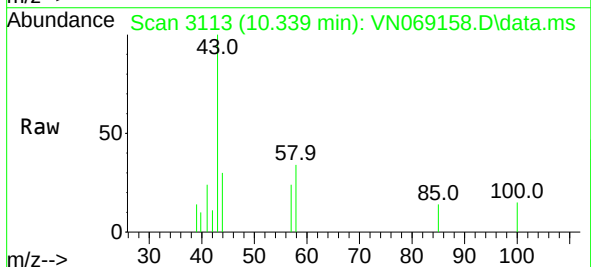
Instrument :
MSVOA_N
ClientSampleId :

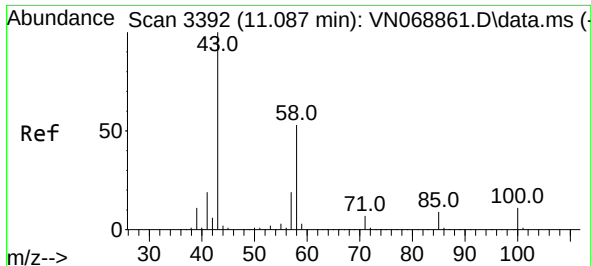
Tgt Ion: 98 Resp: 711294
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.601 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 43 Resp: 3146
Ion Ratio Lower Upper
43 100
58 27.7 31.0 46.4#

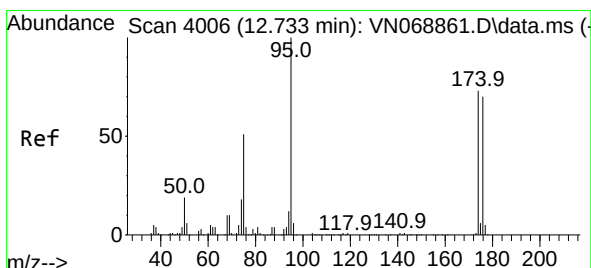
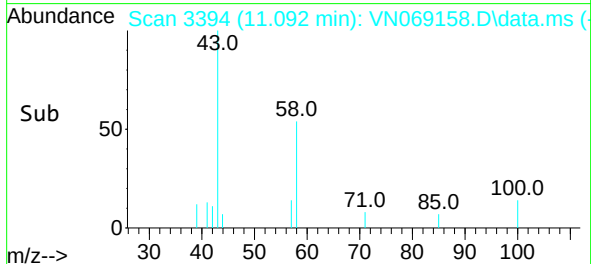
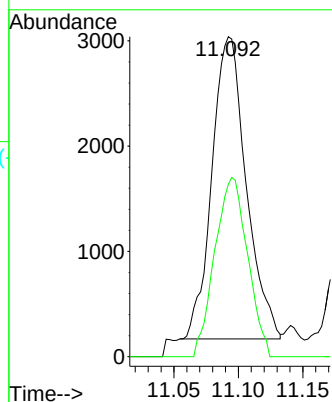
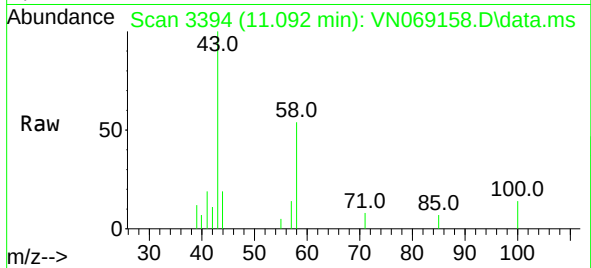




#59
2-Hexanone
Concen: 1.414 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

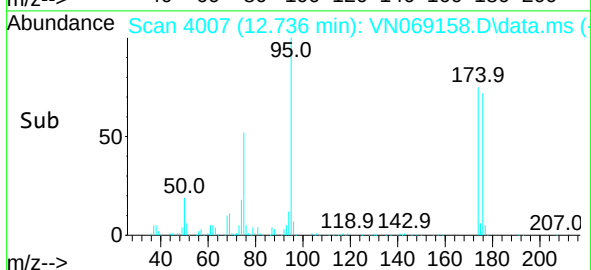
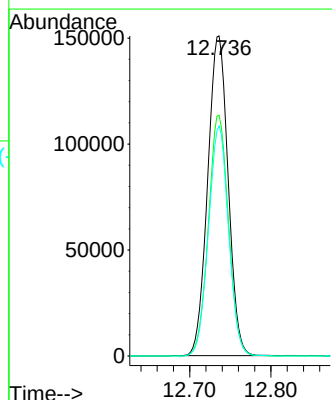
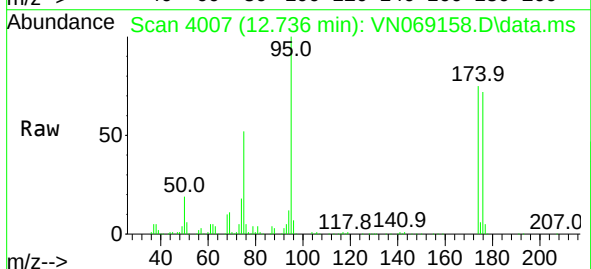
Instrument :
MSVOA_N
ClientSampled :

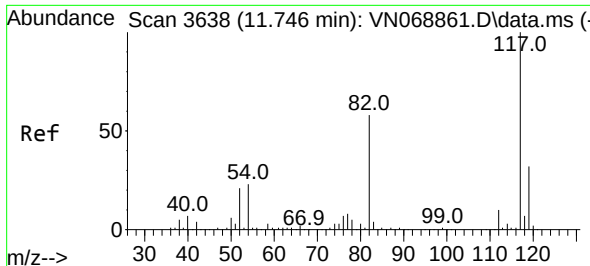
Tgt Ion: 43 Resp: 5309
Ion Ratio Lower Upper
43 100
58 56.6 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 51.642 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 95 Resp: 263211
Ion Ratio Lower Upper
95 100
174 74.3 0.0 144.8
176 70.8 0.0 140.0

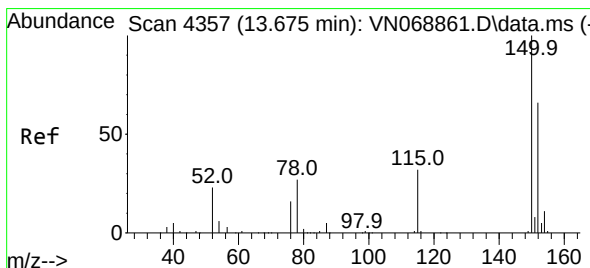
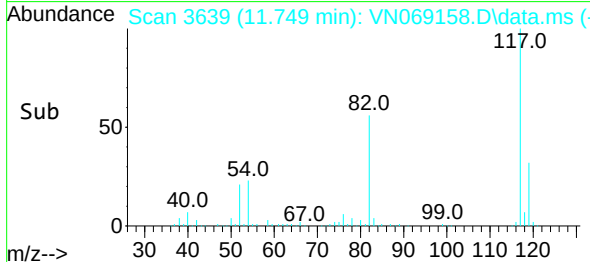
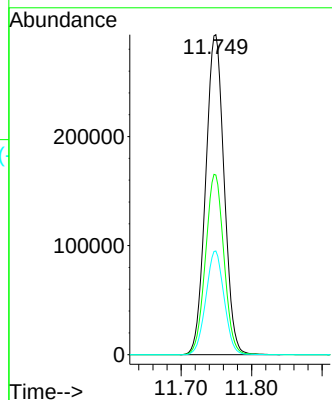
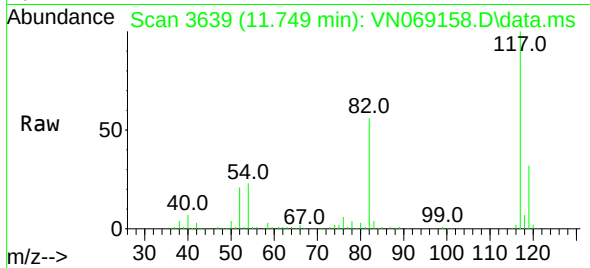




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

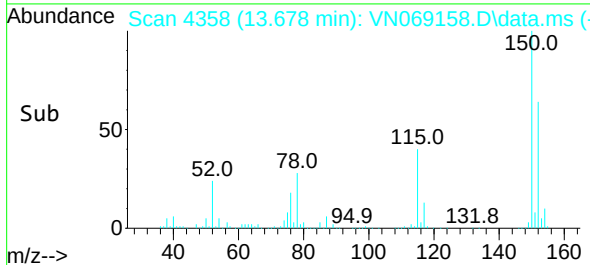
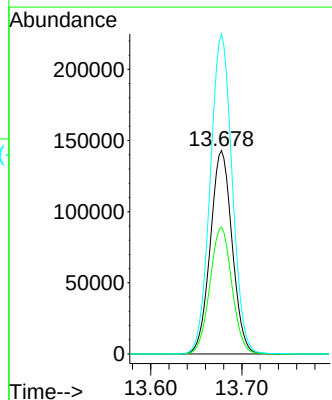
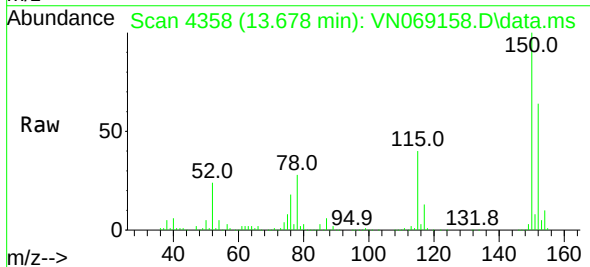
Instrument :
MSVOA_N
ClientSampled :

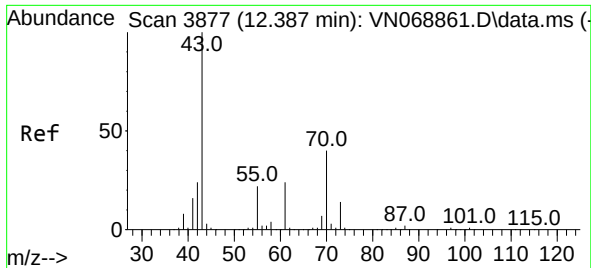
Tgt Ion:117 Resp: 533459
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion:152 Resp: 237882
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 158.0 0.0 351.0



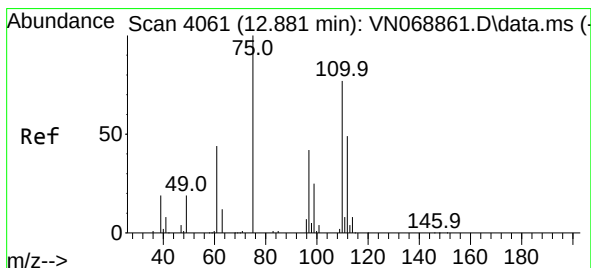
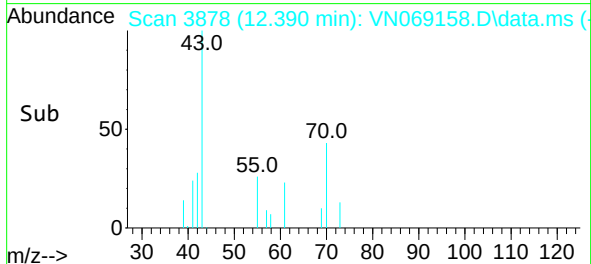
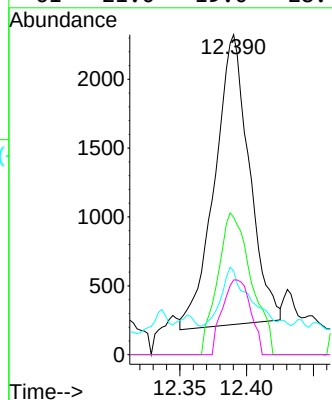
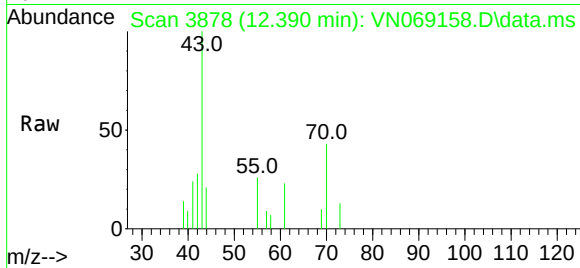


#74
N-amy1 acetate
Concen: 0.505 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 3785

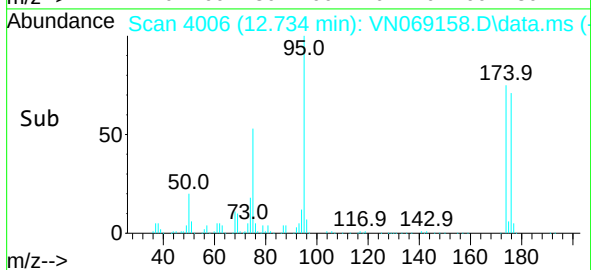
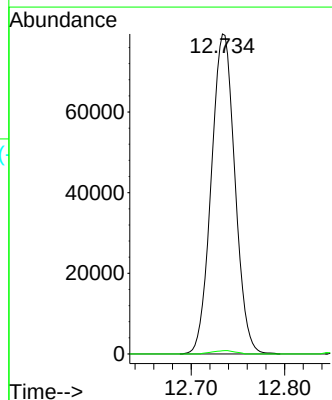
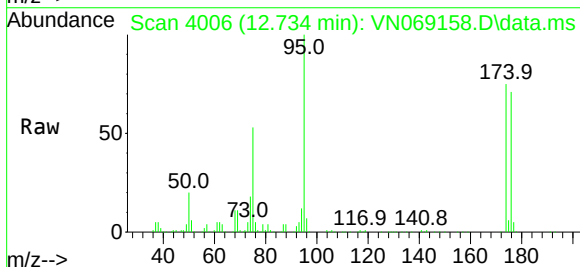
Ion	Ratio	Lower	Upper
43	100		
70	47.5	32.2	48.2
55	14.6	18.0	27.0#
61	21.0	19.0	28.4

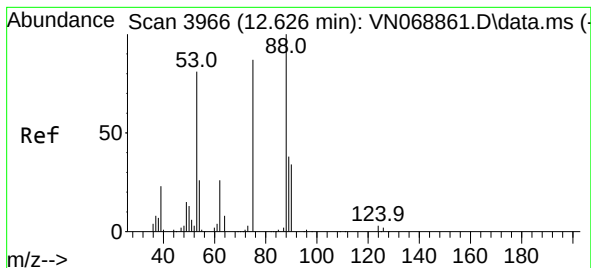


#76
1,2,3-Trichloropropane
Concen: 27.585 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 75 Resp: 139622

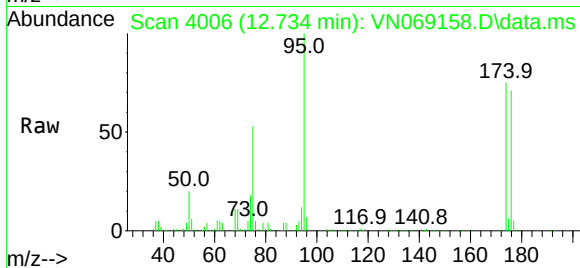
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#



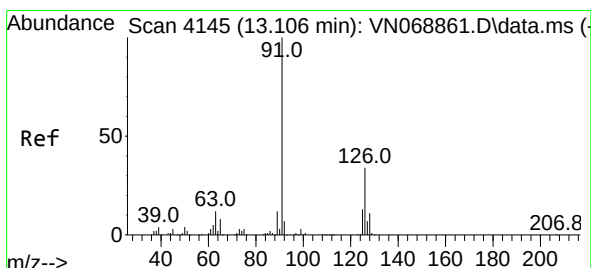
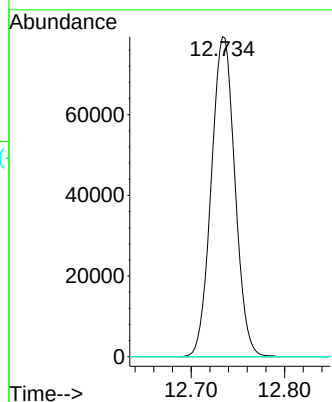
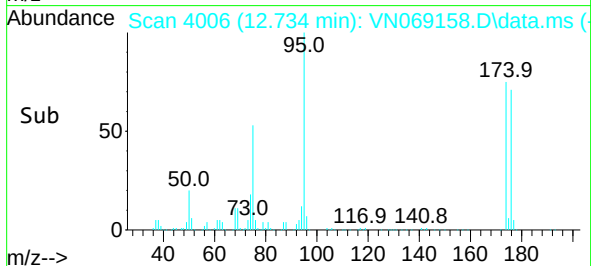


#81
trans-1,4-Dichloro-2-butene
Concen: 65.996 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

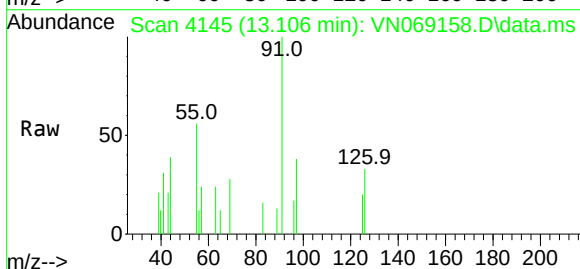
Instrument :
MSVOA_N
ClientSampled :



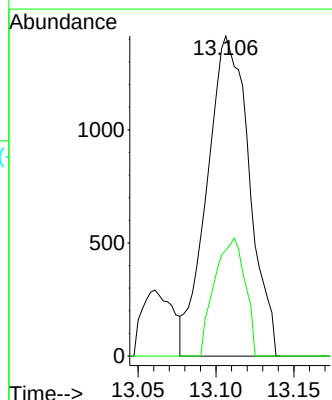
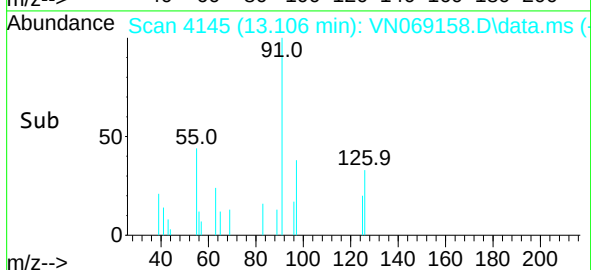
Tgt Ion: 75 Resp: 139622
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

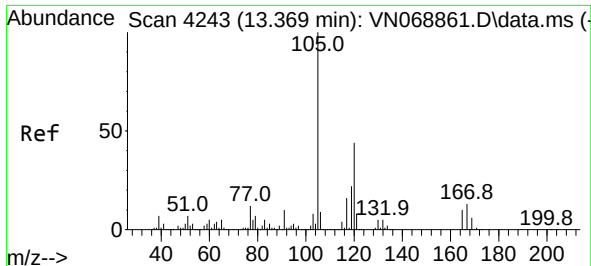


#82
4-Chlorotoluene
Concen: 0.201 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09



Tgt Ion: 91 Resp: 2665
Ion Ratio Lower Upper
91 100
126 26.5 16.3 48.8

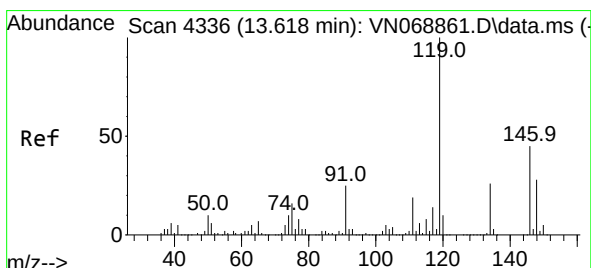
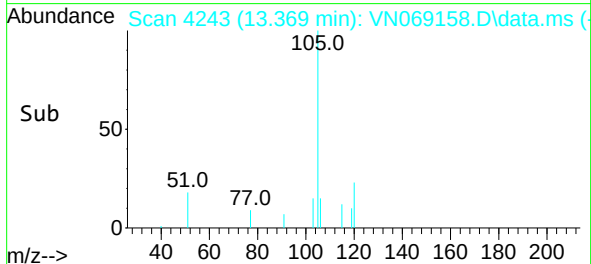
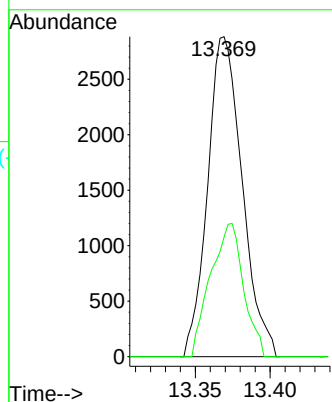
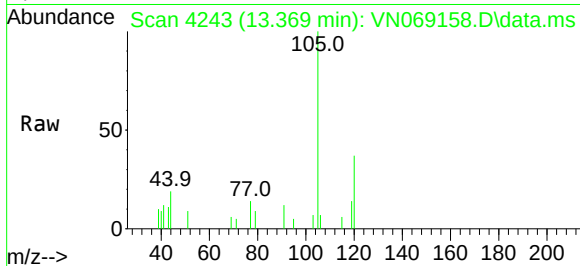




#84
1,2,4-Trimethylbenzene
Concen: 0.292 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

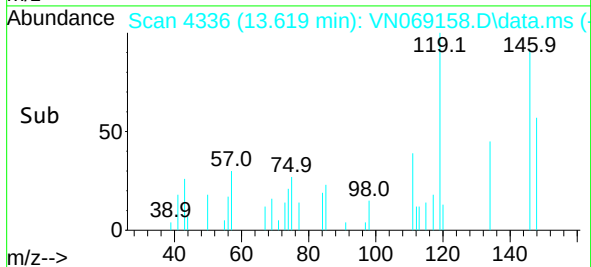
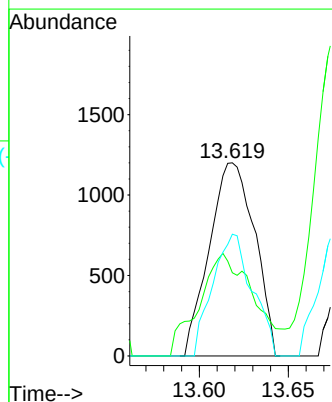
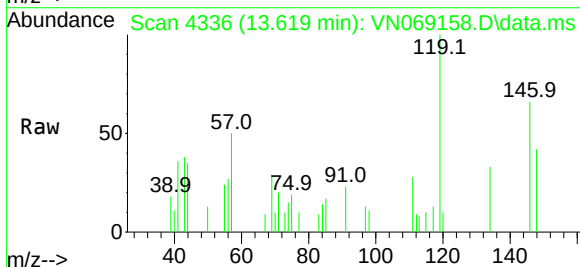
Instrument :
MSVOA_N
ClientSampled :

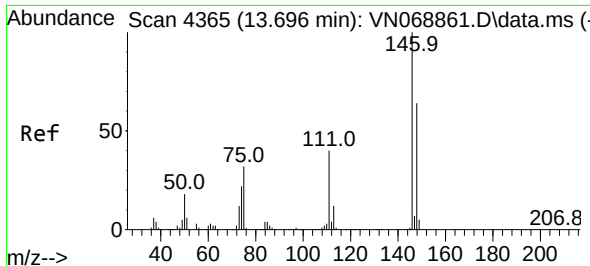
Tgt Ion:105 Resp: 4636
Ion Ratio Lower Upper
105 100
120 39.7 21.9 65.5



#87
1,3-Dichlorobenzene
Concen: 0.281 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion:146 Resp: 2127
Ion Ratio Lower Upper
146 100
111 65.0 21.4 64.2#
148 55.2 32.0 96.2

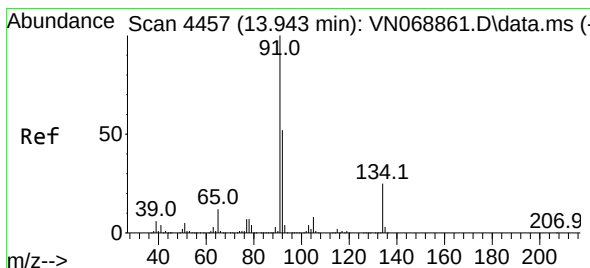
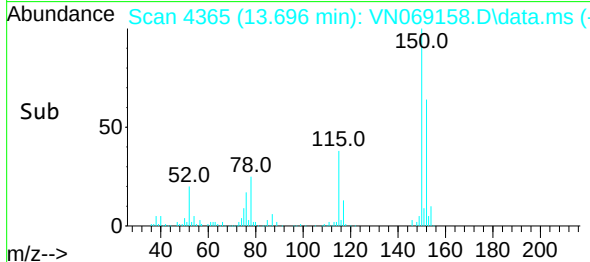
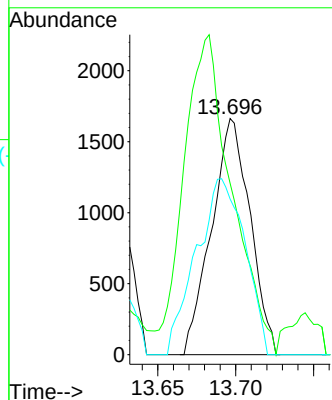
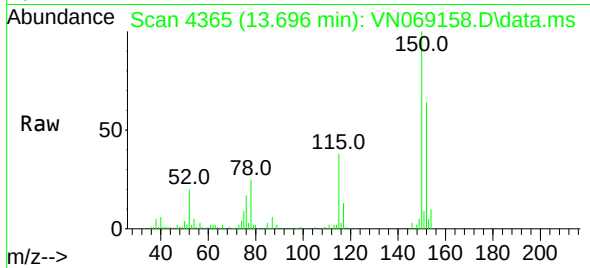




#88
1,4-Dichlorobenzene
Concen: 0.381 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

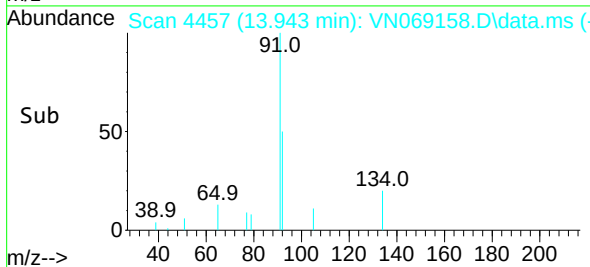
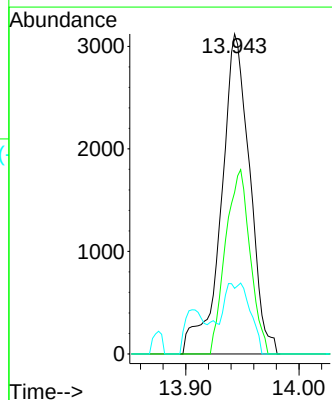
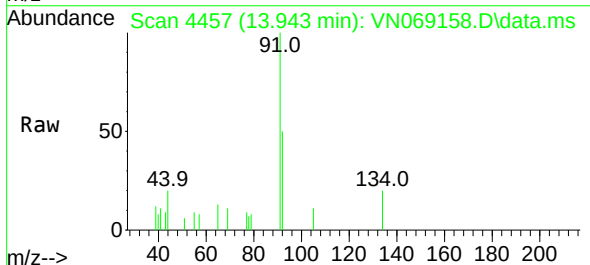
Instrument :
MSVOA_N
ClientSampled :

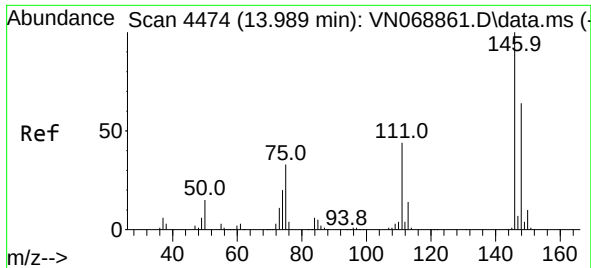
Tgt Ion:146 Resp: 2866
Ion Ratio Lower Upper
146 100
111 167.0 20.6 61.8#
148 93.9 32.1 96.5



#89
n-Butylbenzene
Concen: 0.410 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 91 Resp: 5444
Ion Ratio Lower Upper
91 100
92 49.6 26.0 78.0
134 4.6 12.5 37.5#

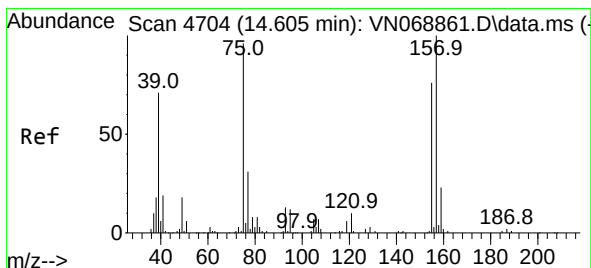
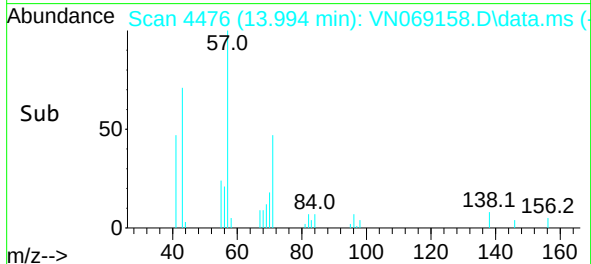
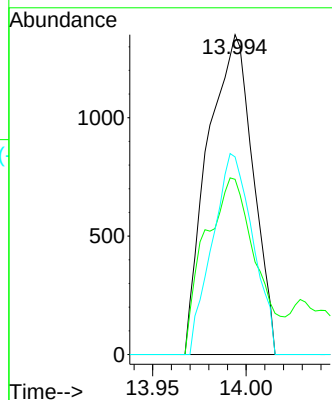
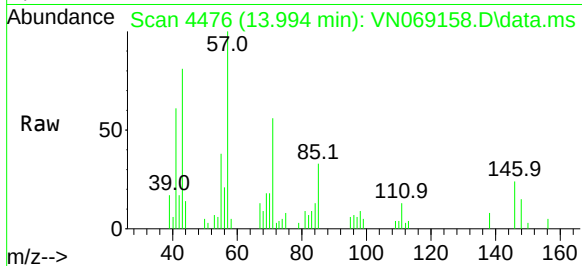




#91
1,2-Dichlorobenzene
Concen: 0.309 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.005 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

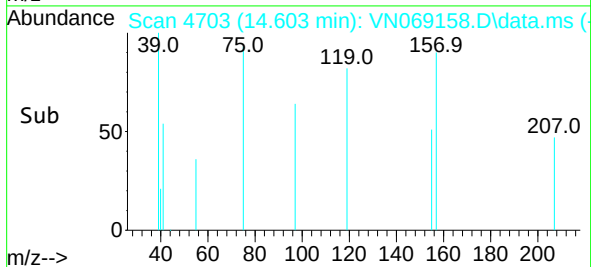
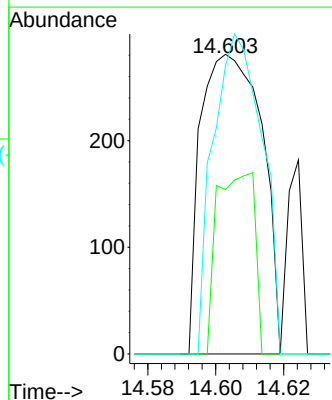
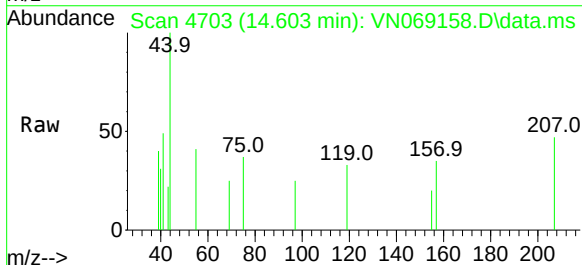
Instrument :
MSVOA_N
ClientSampled :

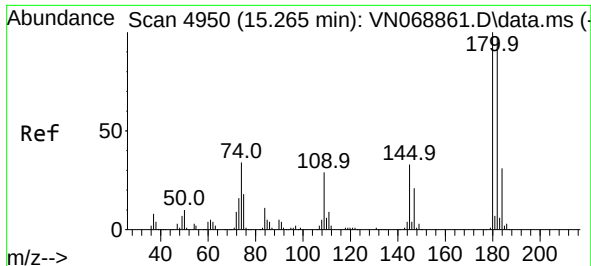
Tgt Ion:146 Resp: 2274
Ion Ratio Lower Upper
146 100
111 62.6 22.0 66.0
148 56.2 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.317 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.003 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

Tgt Ion: 75 Resp: 350
Ion Ratio Lower Upper
75 100
155 37.4 38.8 116.4#
157 85.4 50.2 150.6

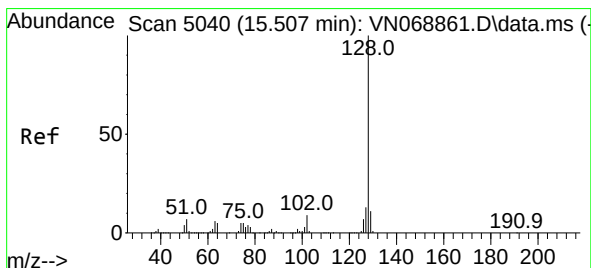
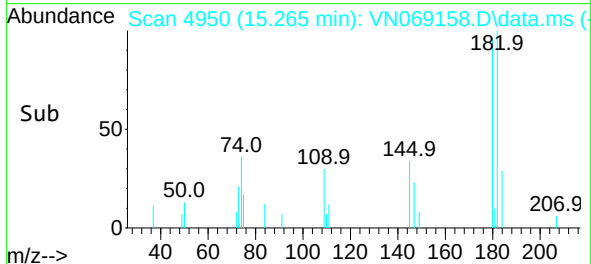
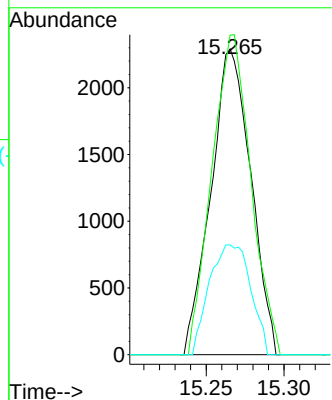
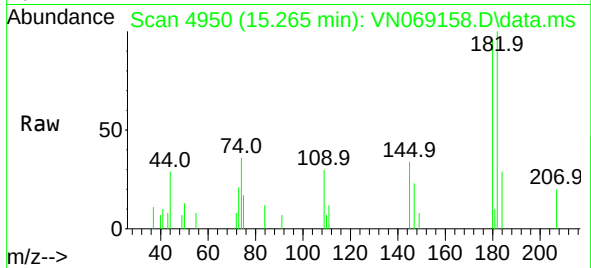




#93
1,2,4-Trichlorobenzene
Concen: 3.569 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

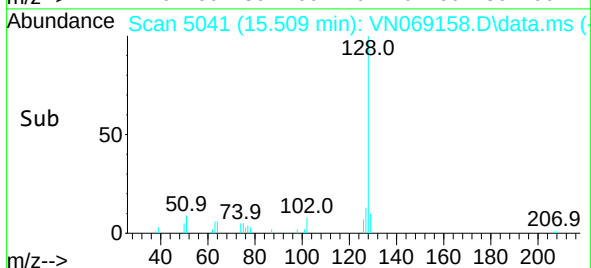
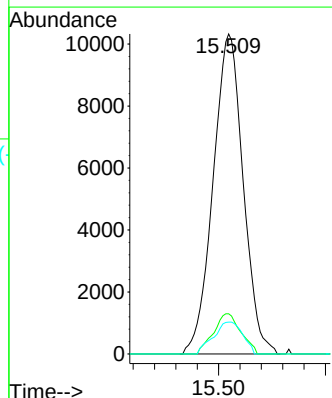
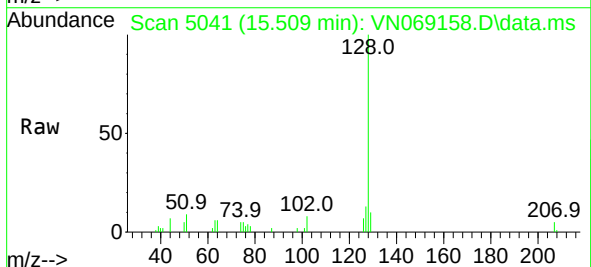
Instrument :
MSVOA_N
ClientSampled :

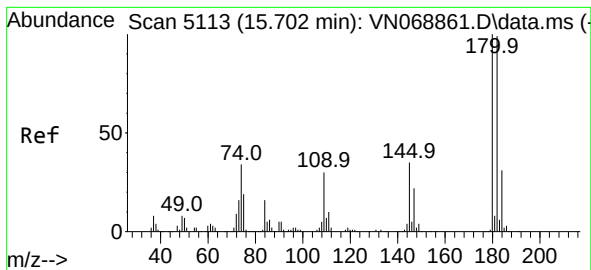
Tgt Ion:180 Resp: 4079
Ion Ratio Lower Upper
180 100
182 102.3 47.9 143.7
145 37.2 16.4 49.2



#95
Naphthalene
Concen: 5.501 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069158.D
Acq: 25 Oct 2021 18:09

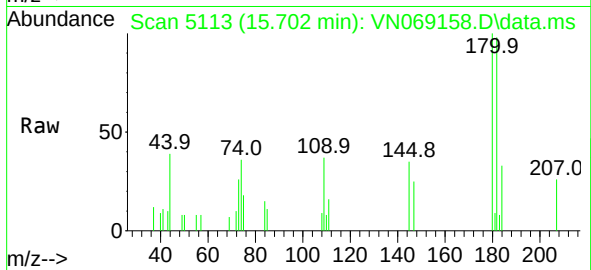
Tgt Ion:128 Resp: 20184
Ion Ratio Lower Upper
128 100
127 11.5 10.5 15.7
129 9.7 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 3.720 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN069158.D
 Acq: 25 Oct 2021 18:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 4829
 Ion Ratio Lower Upper
 180 100
 182 90.0 48.1 144.3
 145 32.8 17.4 52.2

