

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069112.D
 Acq On : 22 Oct 2021 2:06
 Operator : JC/MD
 Sample : M4274-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 03:17:21 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

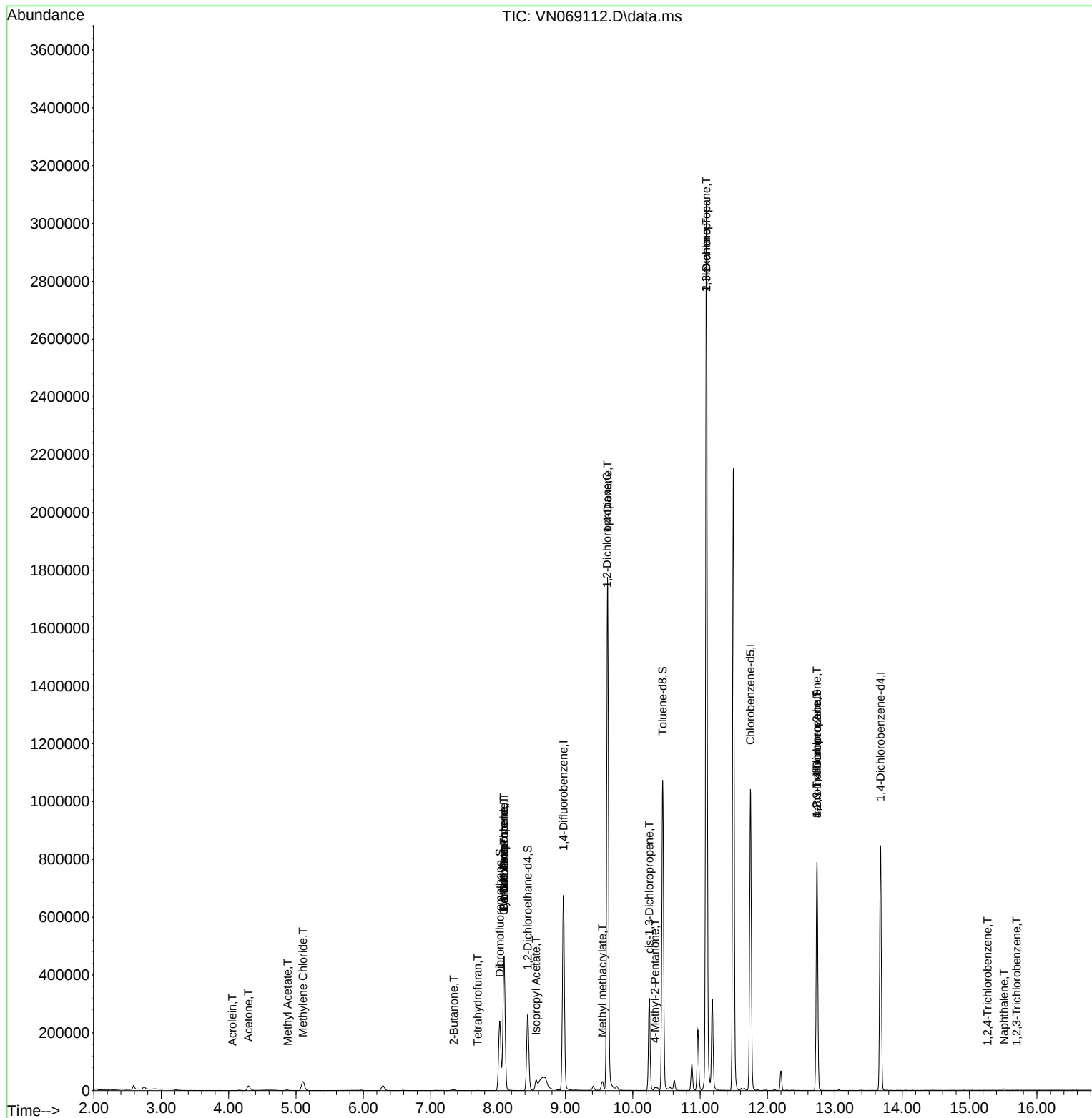
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	355839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	611609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	607985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	228832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222954	47.522	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.040%
35) Dibromofluoromethane	8.027	113	176905	49.715	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.420%
50) Toluene-d8	10.443	98	770536	54.119	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.240%
62) 4-Bromofluorobenzene	12.734	95	278680	51.879	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.760%
Target Compounds						
					Qvalue	
13) Acrolein	4.055	56	276	0.728	ug/l #	72
16) Acetone	4.293	43	31433	17.953	ug/l	100
18) Methyl Acetate	4.875	43	4694	0.707	ug/l	91
20) Methylene Chloride	5.103	84	26648	6.613	ug/l	99
25) 2-Butanone	7.343	43	6338	2.394	ug/l	94
29) Tetrahydrofuran	7.697	42	810	0.472	ug/l #	55
31) Cyclohexane	8.086	56	8023	1.100	ug/l #	11
36) 1,1-Dichloropropene	8.088	75	28012	5.362	ug/l #	50
38) Carbon Tetrachloride	8.088	117	36532	6.367	ug/l #	15
43) Isopropyl Acetate	8.563	43	46104	4.843	ug/l #	84
45) 1,2-Dichloropropane	9.620	63	2243	0.543	ug/l #	43
48) Methyl methacrylate	9.547	41	8279	1.851	ug/l #	13
49) 1,4-Dioxane	9.625	88	140	37.182	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	5307	0.961	ug/l #	83
54) cis-1,3-Dichloropropene	10.245	75	59949	8.712	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	33640	5.056	ug/l #	42
59) 2-Hexanone	11.092	43	471886	119.208	ug/l #	51
76) 1,2,3-Trichloropropane	12.734	75	145178	29.817	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	145178	71.337	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	243	2.661	ug/l #	67
95) Naphthalene	15.512	128	5472	4.288	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.700	180	99	2.539	ug/l #	51

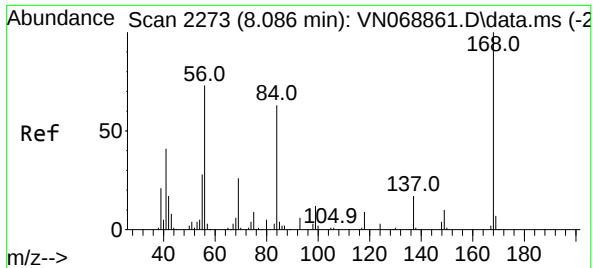
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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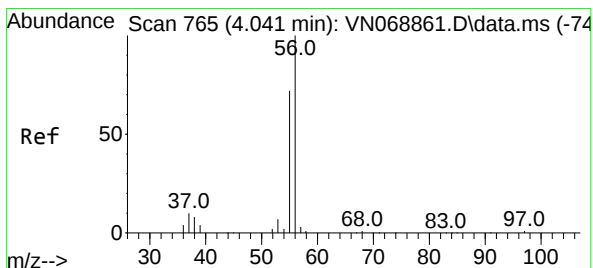
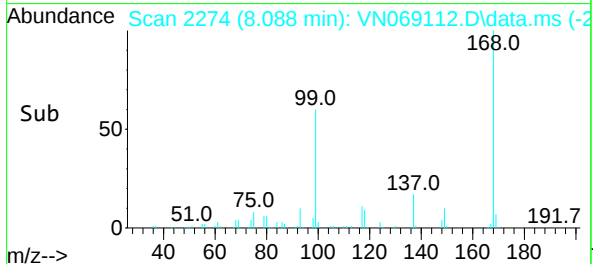
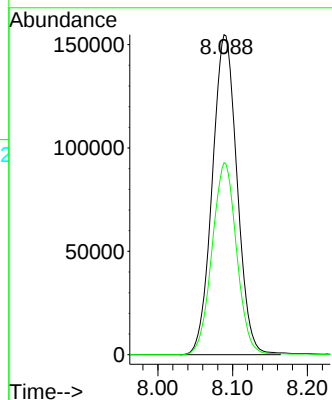
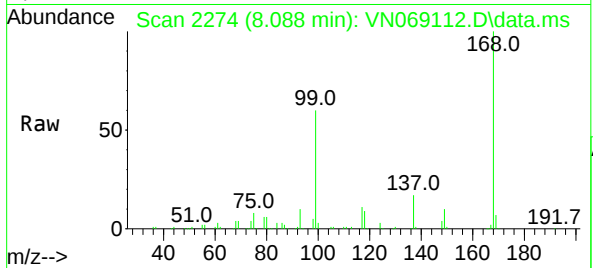




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

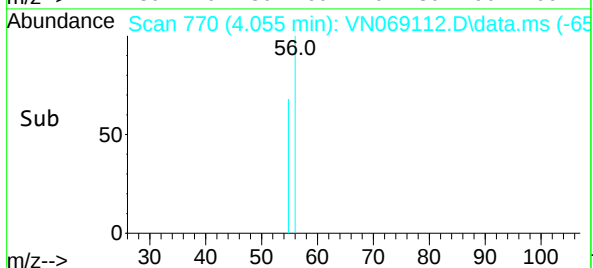
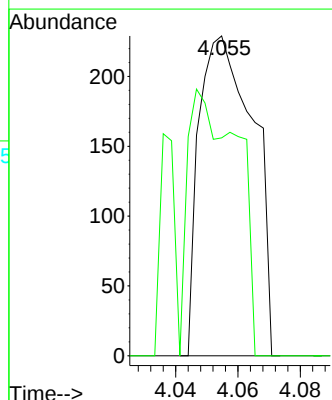
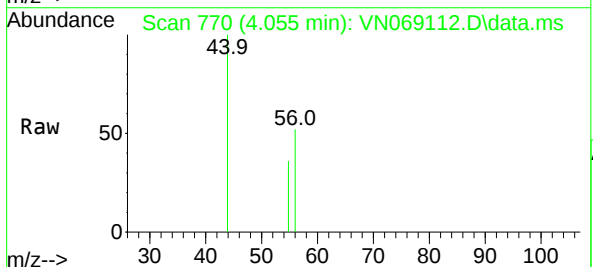
Instrument :
MSVOA_N
ClientSampled :

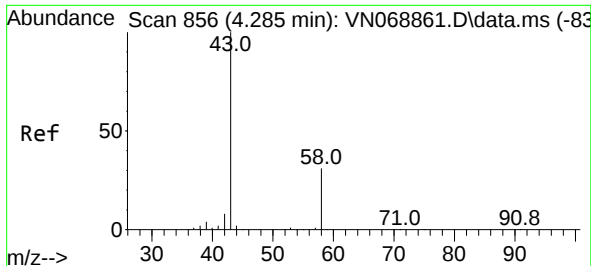
Tgt Ion:168 Resp: 355839
Ion Ratio Lower Upper
168 100
99 60.0 48.9 73.3



#13
Acrolein
Concen: 0.728 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.014 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 48.9 58.1 87.1#

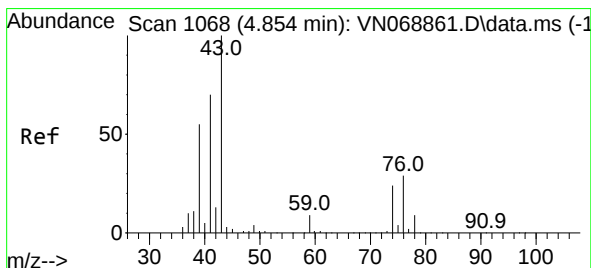
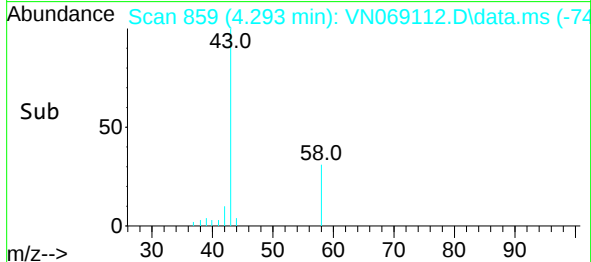
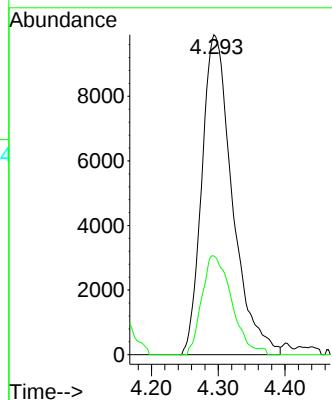
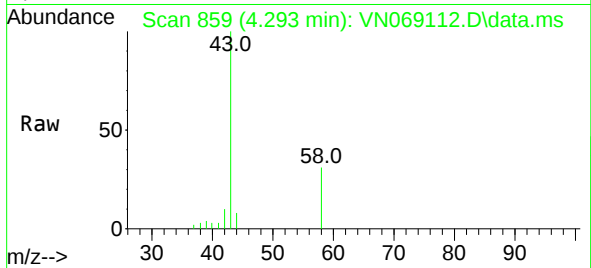




#16
Acetone
Concen: 17.953 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

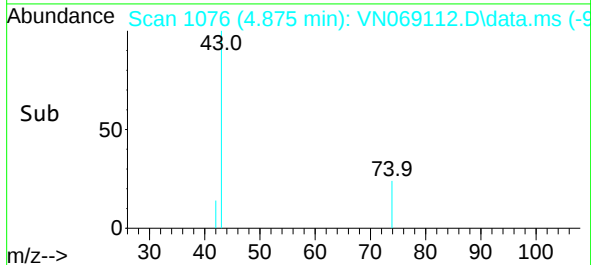
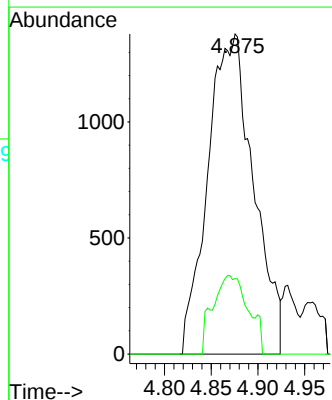
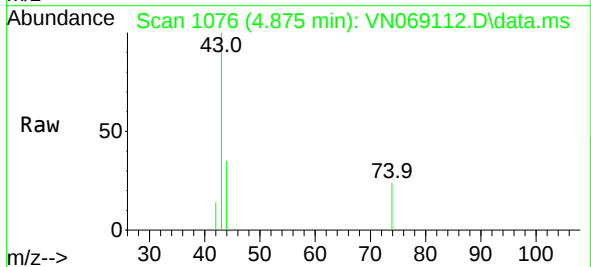
Instrument :
MSVOA_N
ClientSampleId :

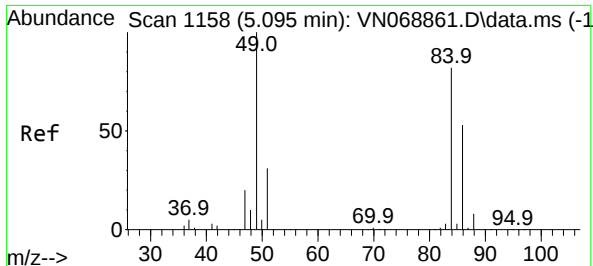
Tgt Ion: 43 Resp: 31433
Ion Ratio Lower Upper
43 100
58 30.8 24.5 36.7



#18
Methyl Acetate
Concen: 0.707 ug/l
RT: 4.875 min Scan# 1076
Delta R.T. 0.022 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion: 43 Resp: 4694
Ion Ratio Lower Upper
43 100
74 19.0 18.9 28.3

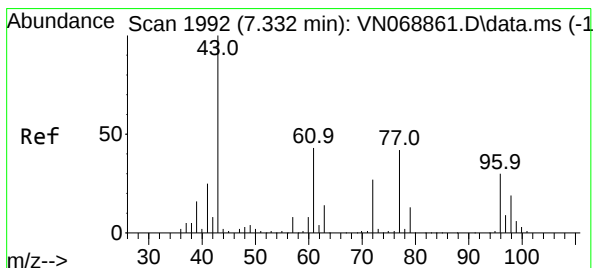
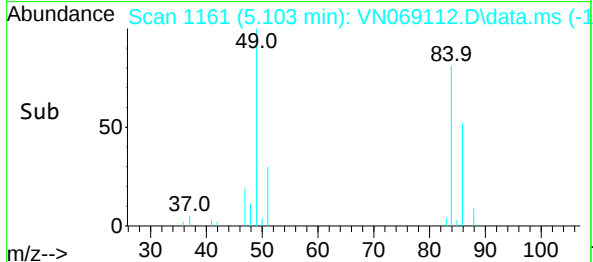
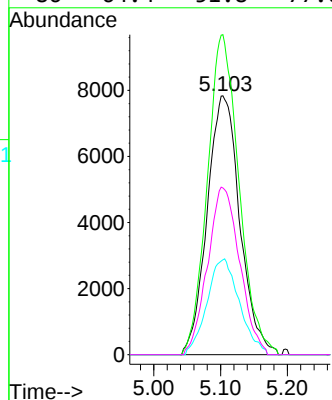
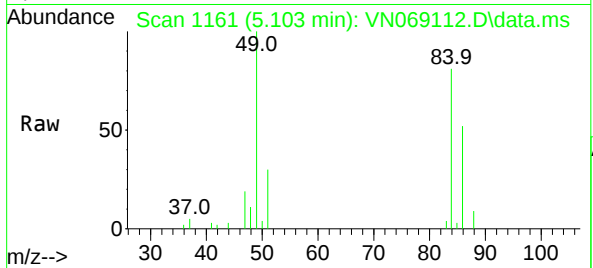




#20
Methylene Chloride
Concen: 6.613 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

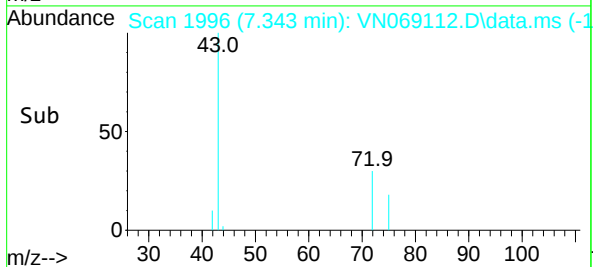
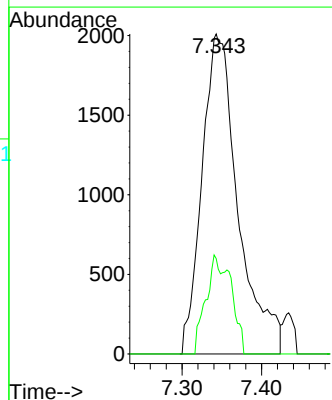
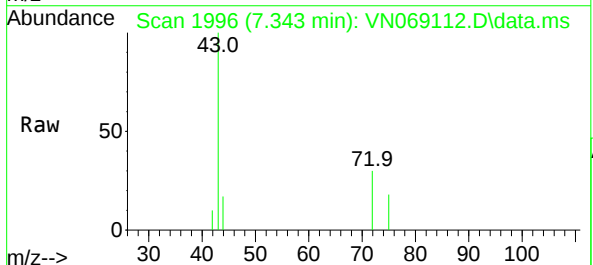
Instrument :
MSVOA_N
ClientSampled :

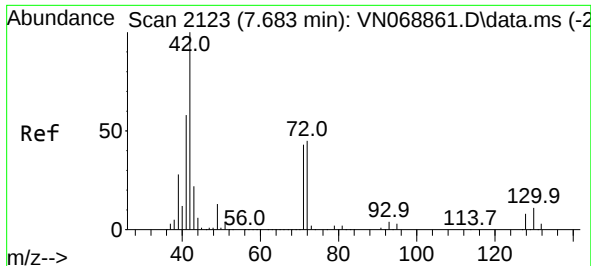
Tgt Ion:	84	Resp:	26648
Ion	Ratio	Lower	Upper
84	100		
49	123.6	97.6	146.4
51	36.6	30.3	45.5
86	64.4	51.8	77.6



#25
2-Butanone
Concen: 2.394 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion:	43	Resp:	6338
Ion	Ratio	Lower	Upper
43	100		
72	29.8	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.472 ug/l

RT: 7.697 min Scan# 2128

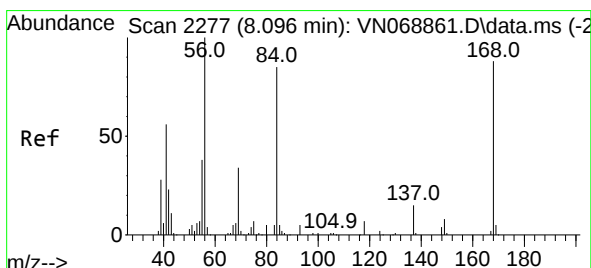
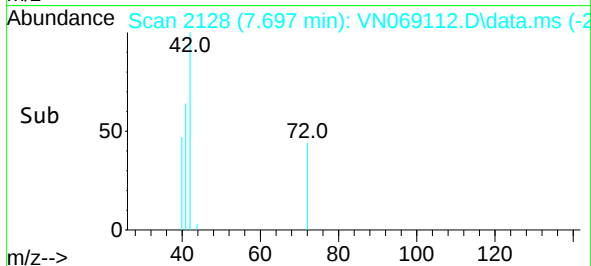
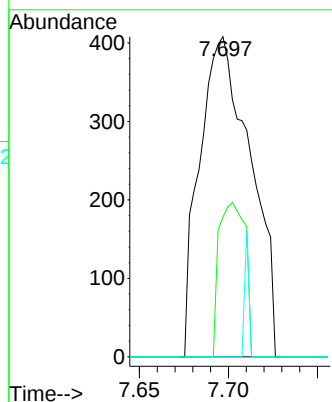
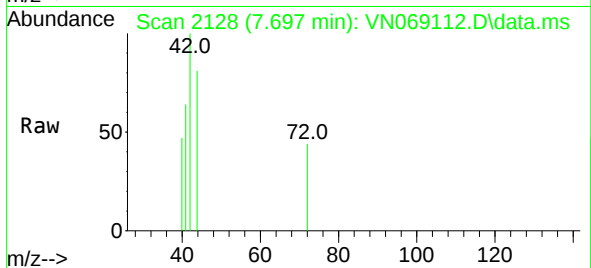
Delta R.T. 0.014 min

Lab File: VN069112.D

Acq: 22 Oct 2021 2:06

Tgt Ion:	42	Resp:	810
Ion	Ratio	Lower	Upper
42	100		
72	24.9	35.4	53.2#
71	3.2	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.100 ug/l

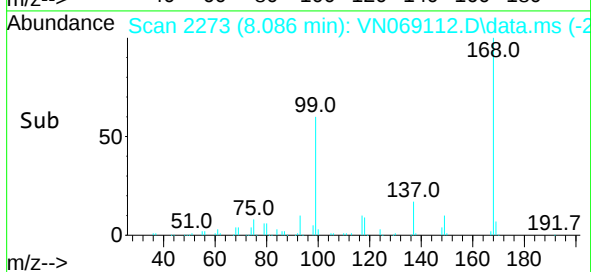
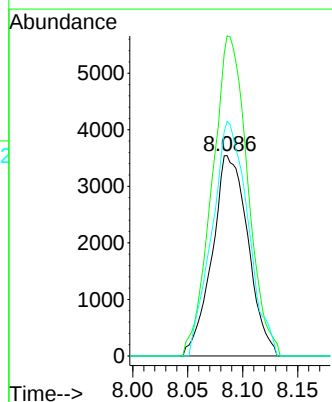
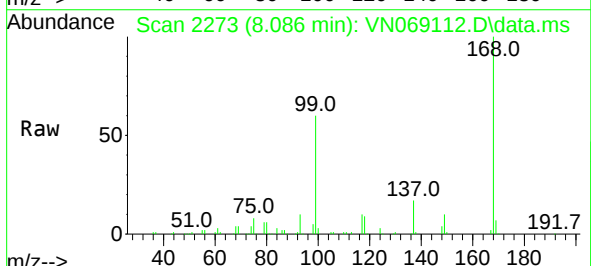
RT: 8.086 min Scan# 2273

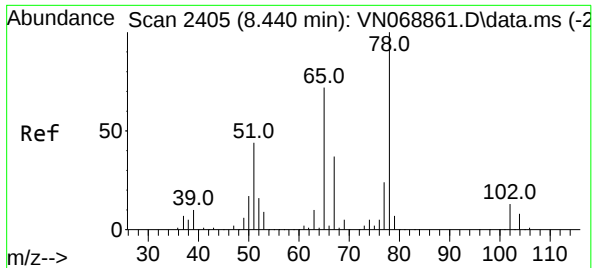
Delta R.T. -0.010 min

Lab File: VN069112.D

Acq: 22 Oct 2021 2:06

Tgt Ion:	56	Resp:	8023
Ion	Ratio	Lower	Upper
56	100		
69	159.7	26.9	40.3#
84	117.1	67.6	101.4#

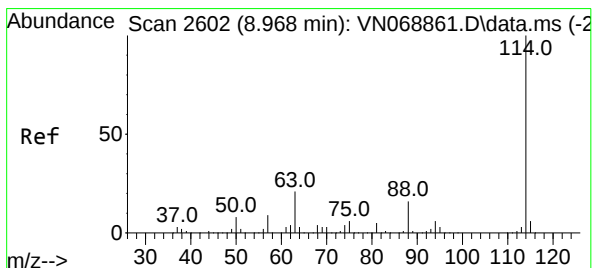
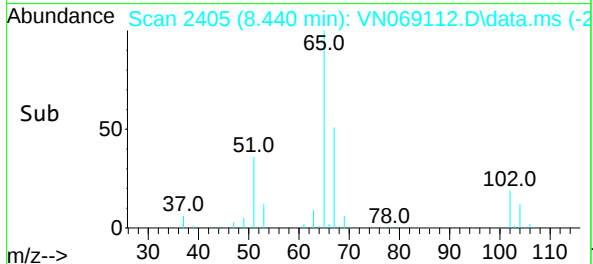
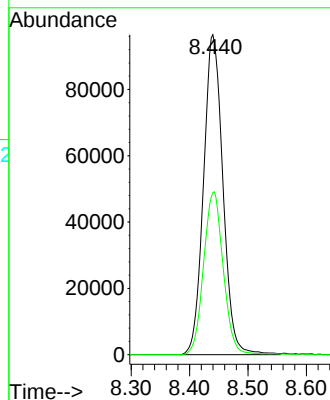
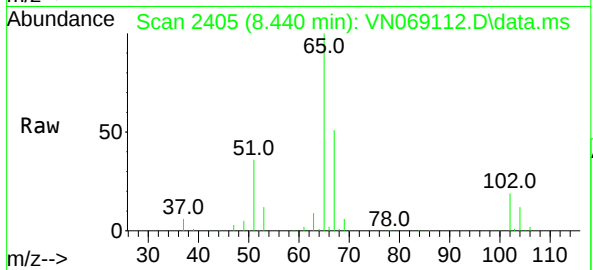




#33
 1,2-Dichloroethane-d4
 Concen: 47.522 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069112.D
 Acq: 22 Oct 2021 2:06

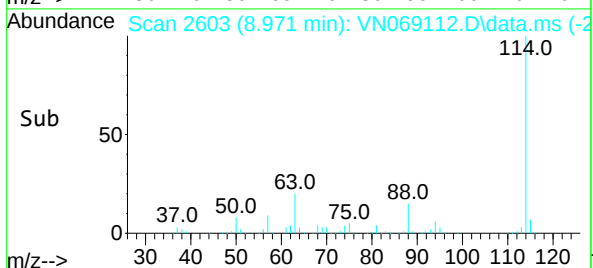
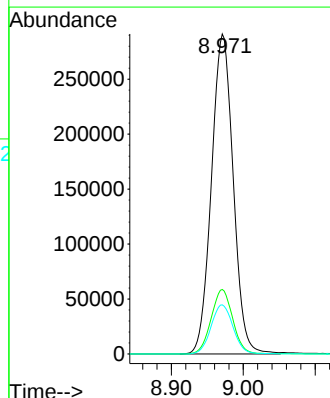
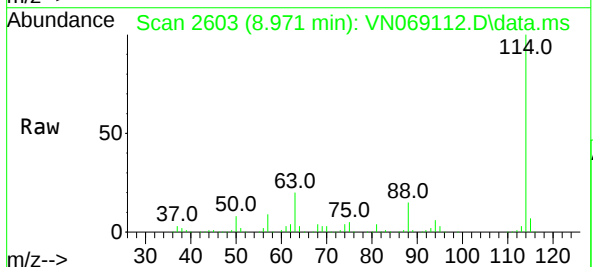
Instrument :
 MSVOA_N
 ClientSampled :

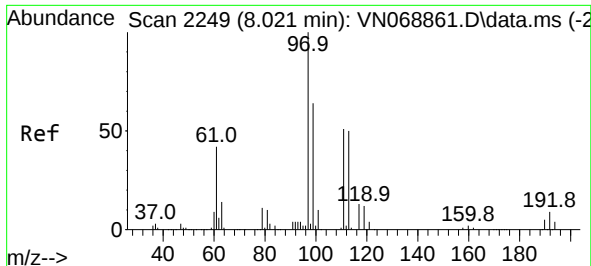
Tgt Ion: 65 Resp: 222954
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069112.D
 Acq: 22 Oct 2021 2:06

Tgt Ion: 114 Resp: 611609
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.6
 88 15.4 0.0 32.0

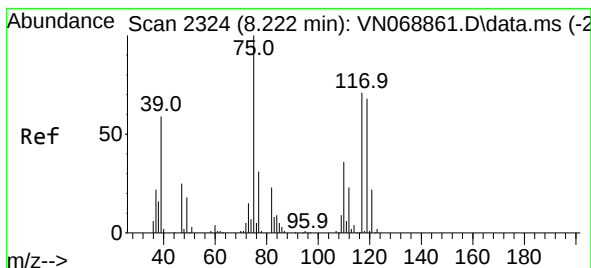
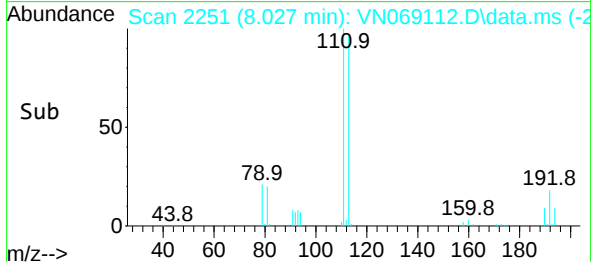
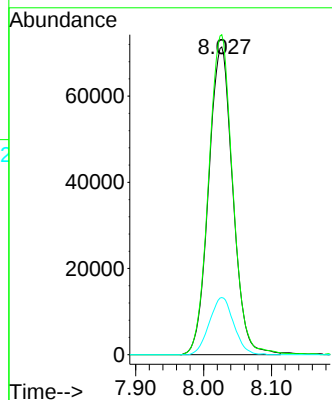
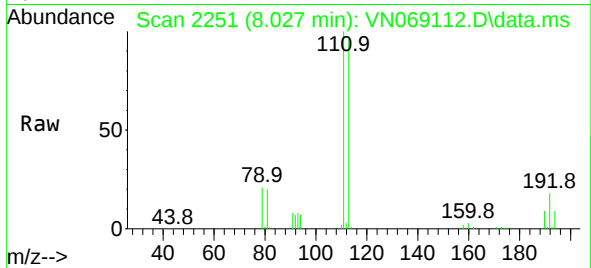




#35
Dibromofluoromethane
Concen: 49.715 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

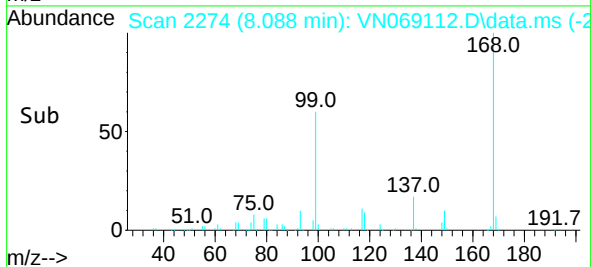
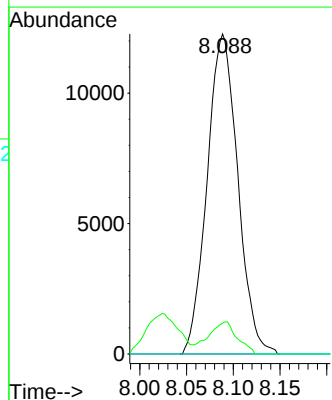
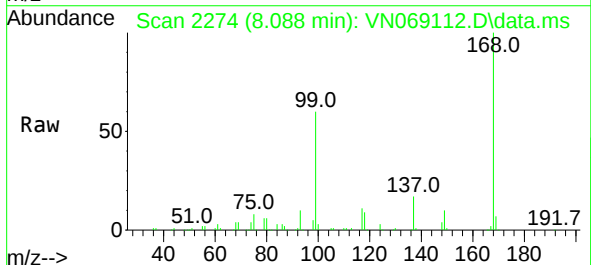
Instrument :
MSVOA_N
ClientSampled :

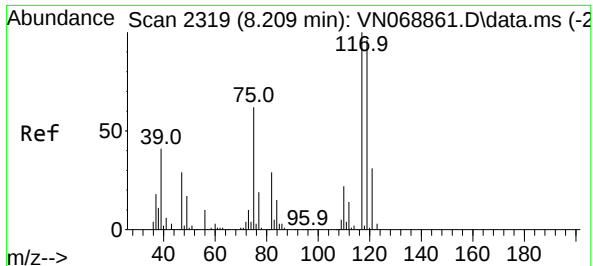
Tgt Ion:113 Resp: 176905
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 18.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.362 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion: 75 Resp: 28012
Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.8#
77 0.0 24.7 37.1#

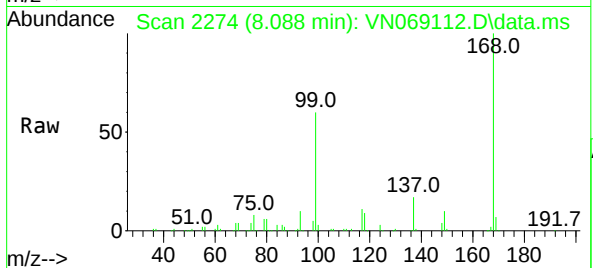




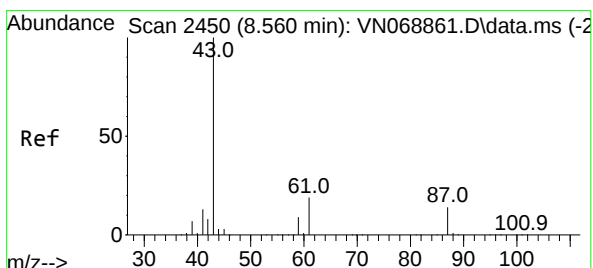
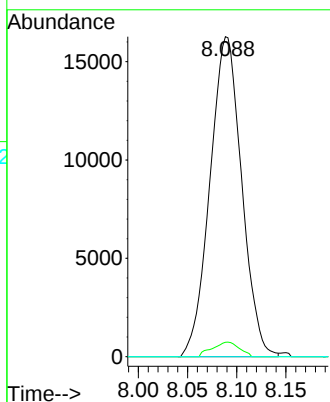
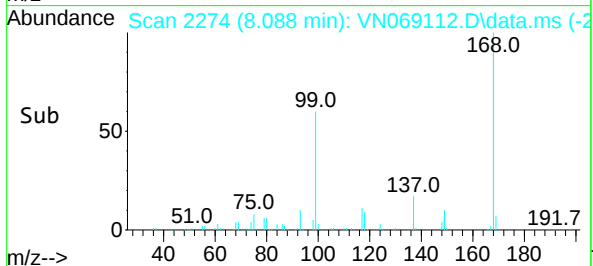
#38

Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Instrument :
MSVOA_N
ClientSampled :

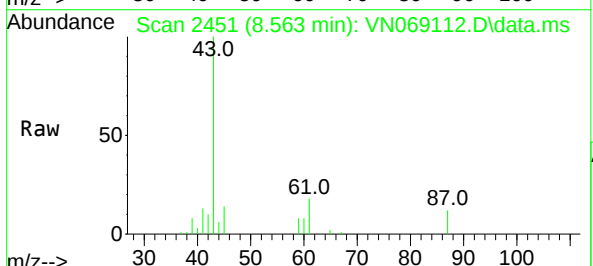


Tgt Ion:117 Resp: 36532
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#

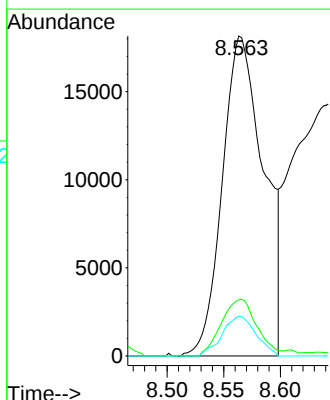
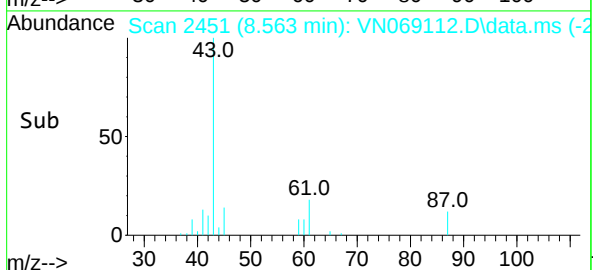


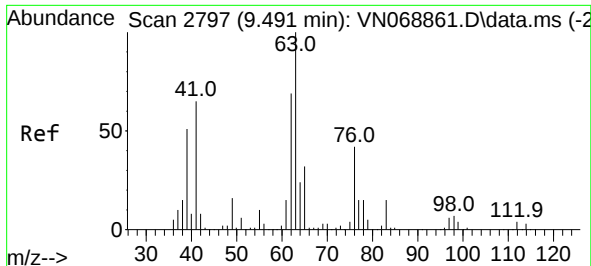
#43

Isopropyl Acetate
Concen: 4.843 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06



Tgt Ion: 43 Resp: 46104
Ion Ratio Lower Upper
43 100
61 15.2 20.4 30.6#
87 10.1 10.7 16.1#



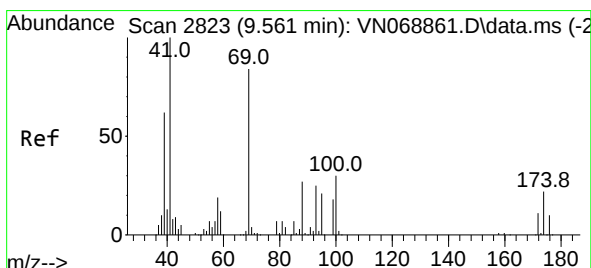
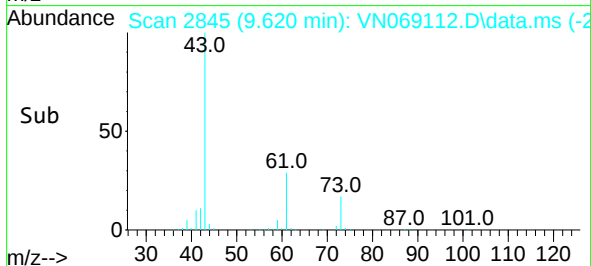
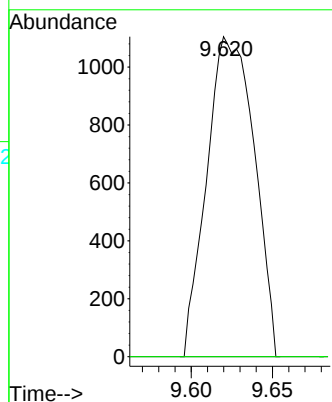
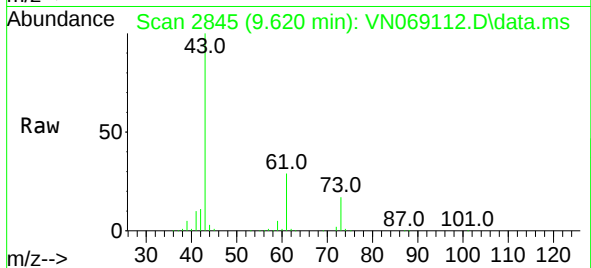


#45

1,2-Dichloropropane
Concen: 0.543 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Instrument :
MSVOA_N
ClientSampled :

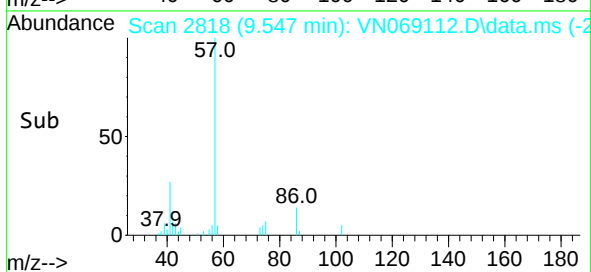
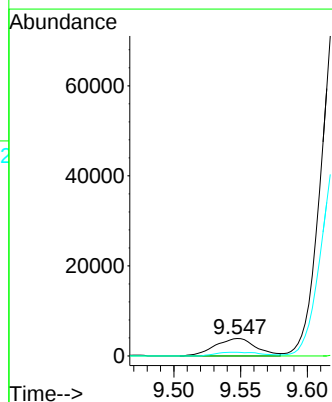
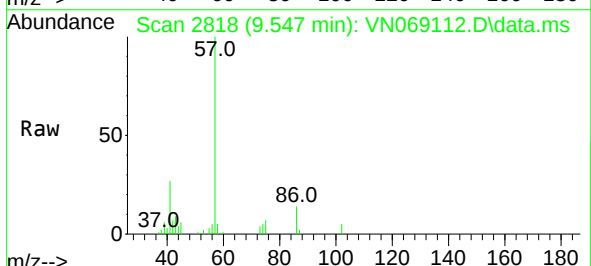
Tgt Ion: 63 Resp: 2243
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

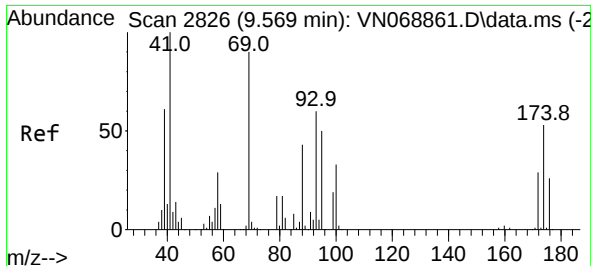


#48

Methyl methacrylate
Concen: 1.851 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion: 41 Resp: 8279
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

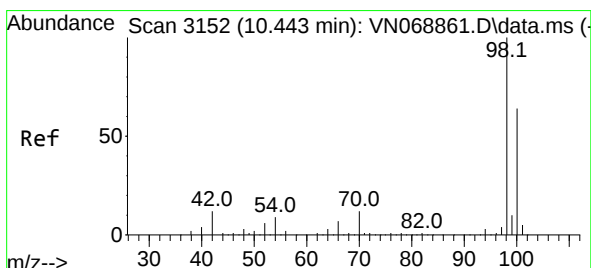
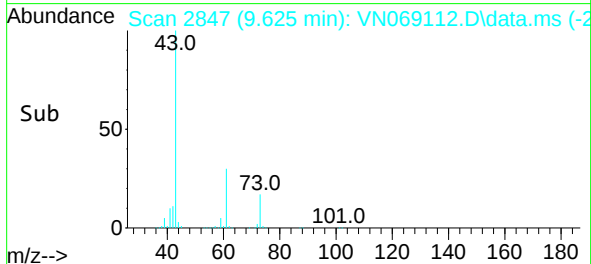
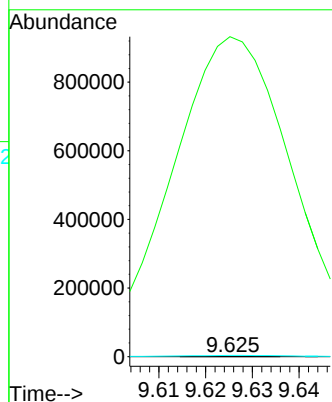
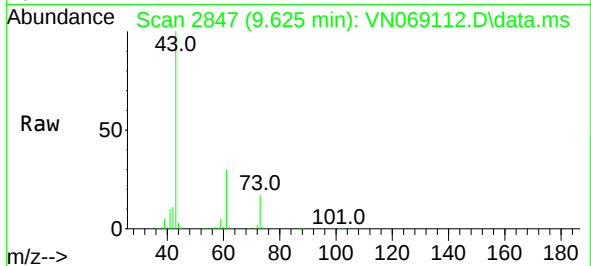




#49
1,4-Dioxane
Concen: 37.182 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

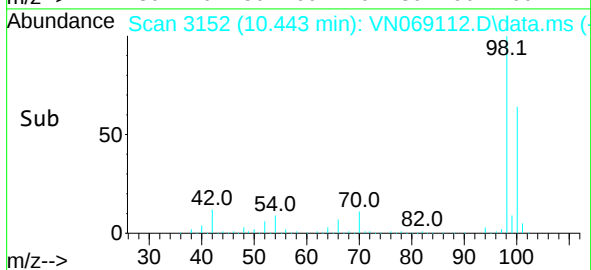
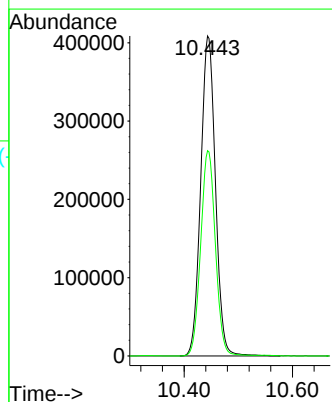
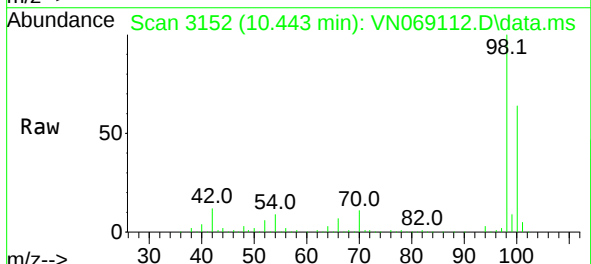
Instrument :
MSVOA_N
ClientSampled :

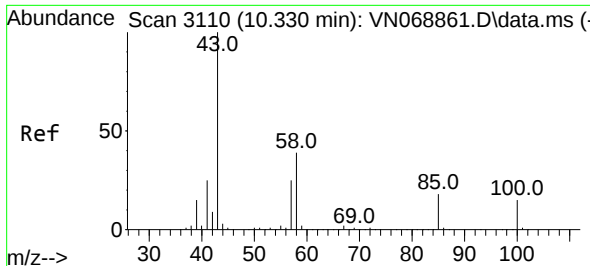
Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
43 1270031.4 24.9 37.3#
58 4804.3 56.9 85.3#



#50
Toluene-d8
Concen: 54.119 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion: 98 Resp: 770536
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3

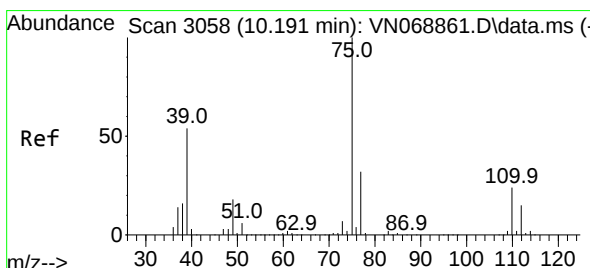
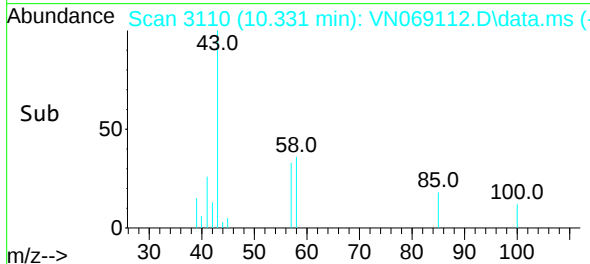
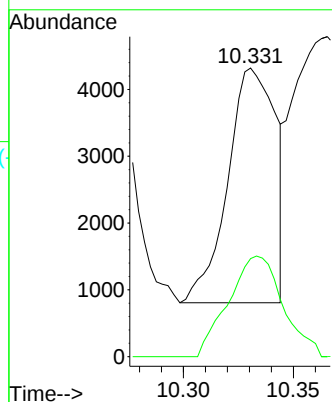
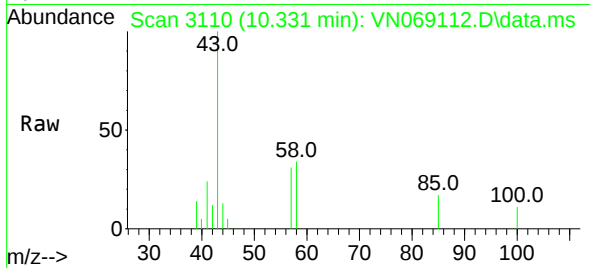




#51
4-Methyl-2-Pentanone
Concen: 0.961 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

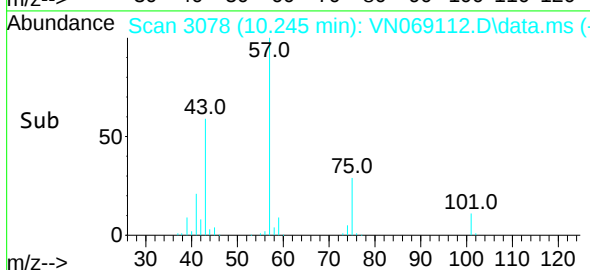
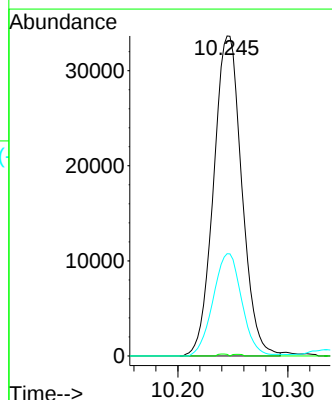
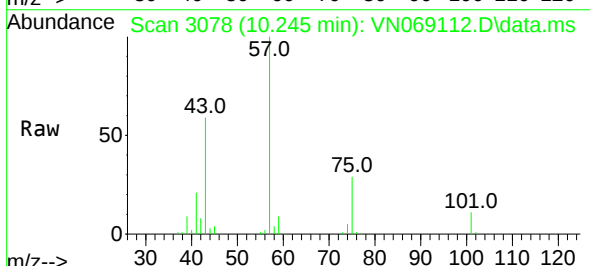
Instrument :
MSVOA_N
ClientSampled :

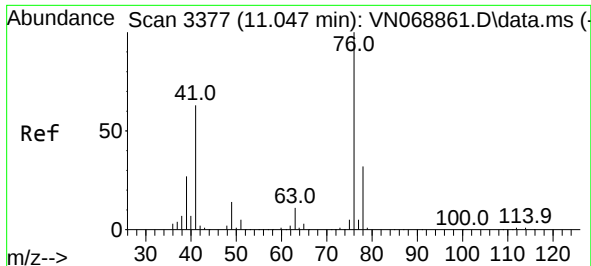
Tgt Ion: 43 Resp: 5307
Ion Ratio Lower Upper
43 100
58 48.8 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.712 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion: 75 Resp: 59949
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 31.9 42.9 64.3#

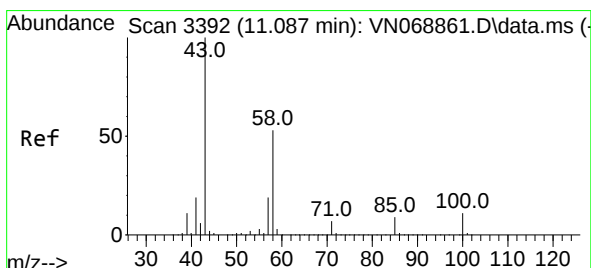
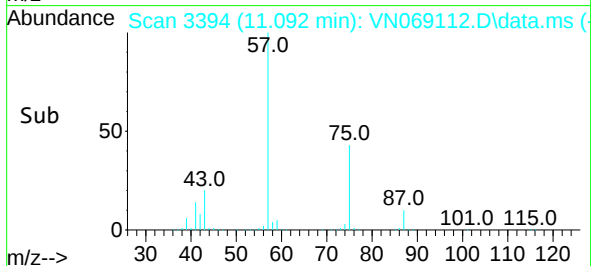
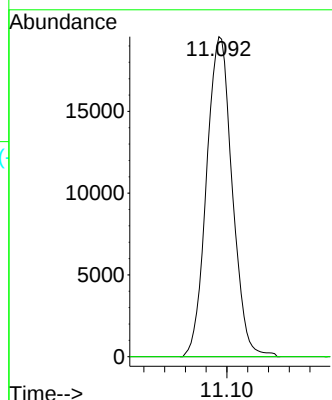
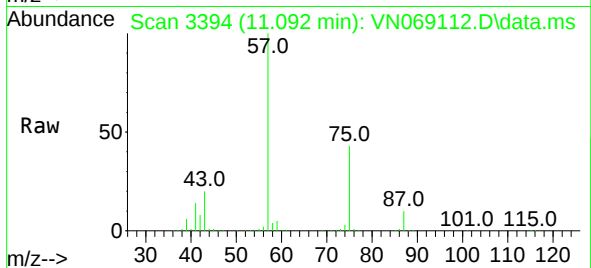




#57
1,3-Dichloropropane
Concen: 5.056 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

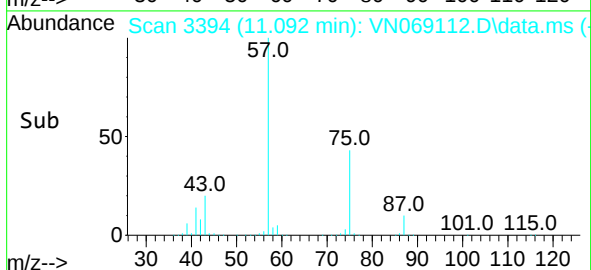
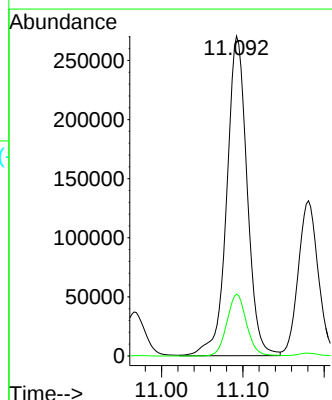
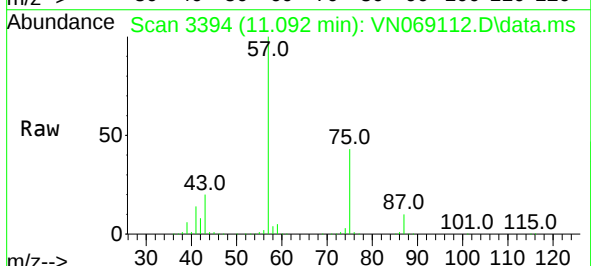
Instrument :
MSVOA_N
ClientSampled :

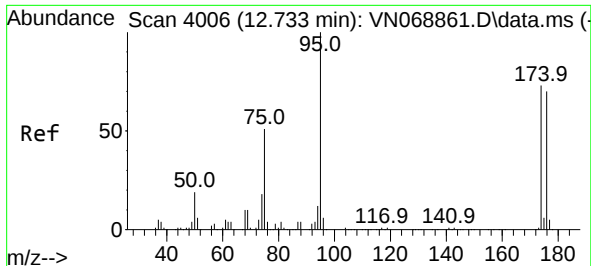
Tgt Ion: 76 Resp: 33640
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 119.208 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion: 43 Resp: 471886
Ion Ratio Lower Upper
43 100
58 18.7 26.9 80.7#

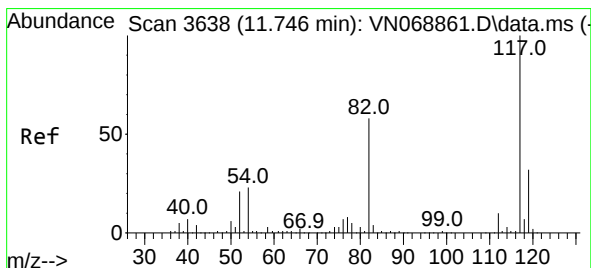
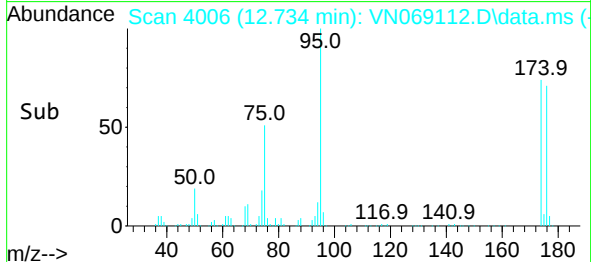
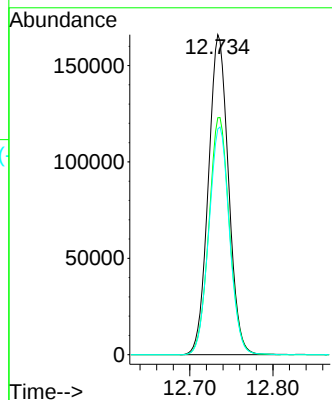
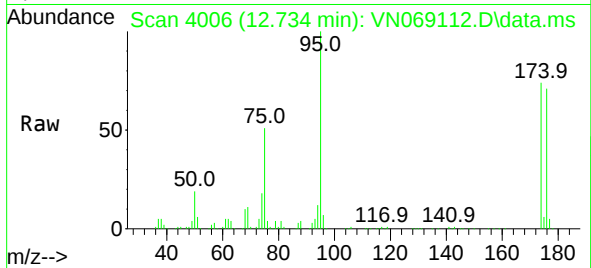




#62
4-Bromofluorobenzene
Concen: 51.879 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

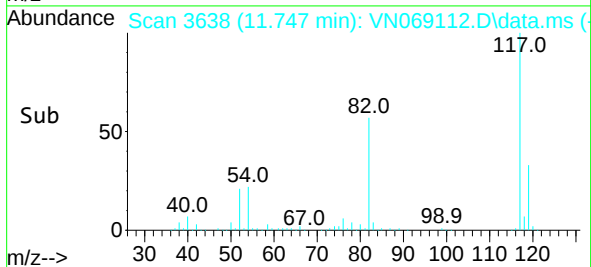
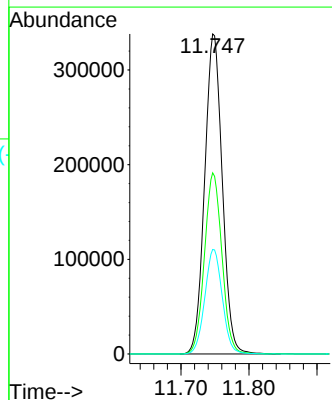
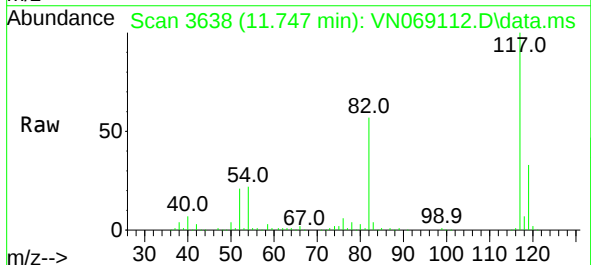
Instrument :
MSVOA_N
ClientSampleId :

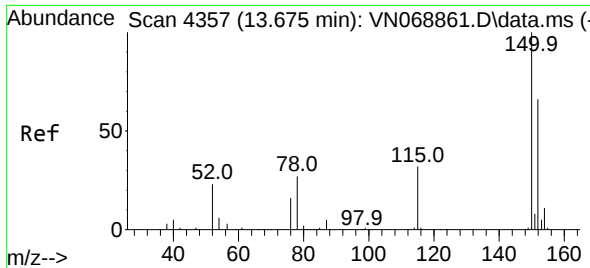
Tgt Ion: 95 Resp: 278680
Ion Ratio Lower Upper
95 100
174 75.6 0.0 144.8
176 72.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion: 117 Resp: 607985
Ion Ratio Lower Upper
117 100
82 56.6 46.4 69.6
119 32.7 26.0 39.0

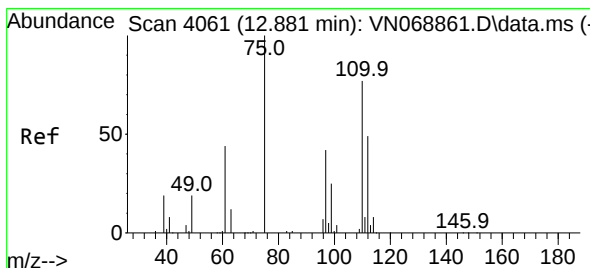
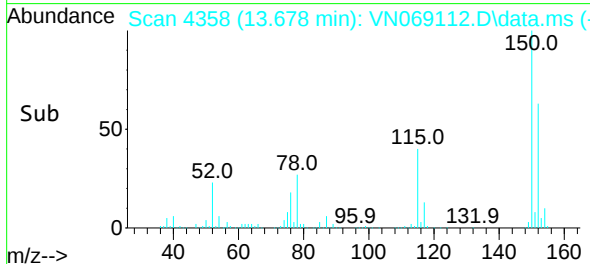
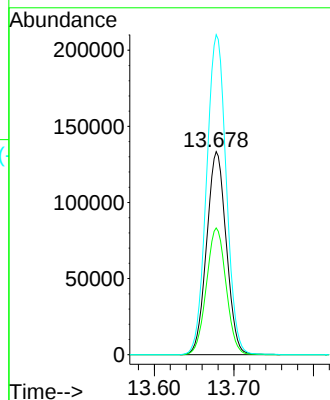
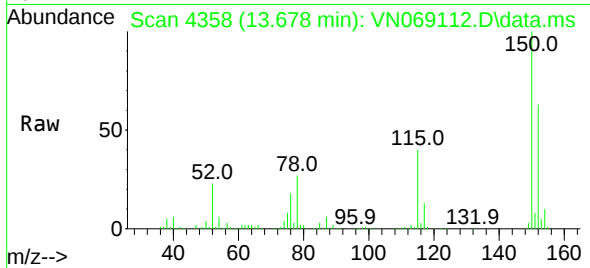




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069112.D
 Acq: 22 Oct 2021 2:06

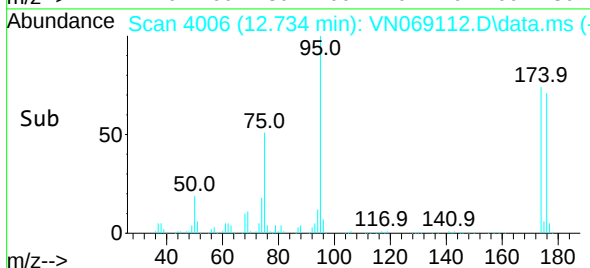
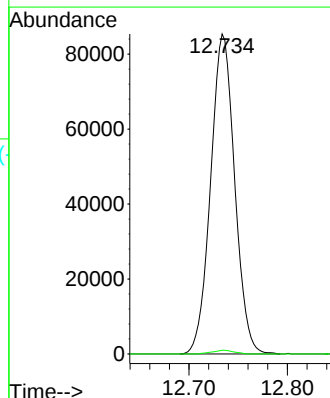
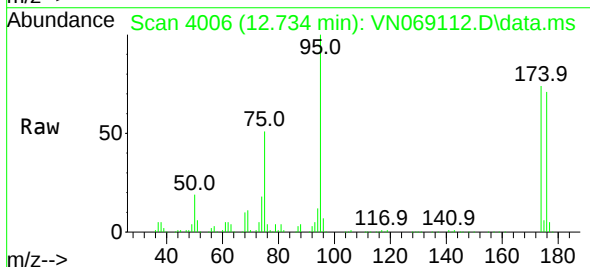
Instrument :
 MSVOA_N
 ClientSampleId :

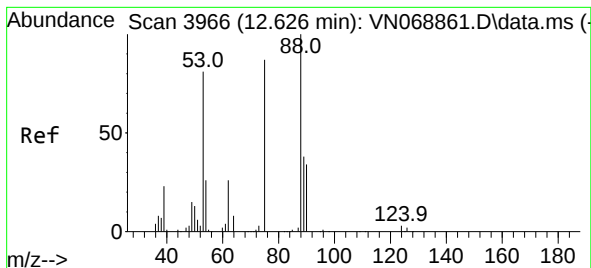
Tgt Ion:152 Resp: 228832
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.4 94.3
 150 158.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.817 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069112.D
 Acq: 22 Oct 2021 2:06

Tgt Ion: 75 Resp: 145178
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

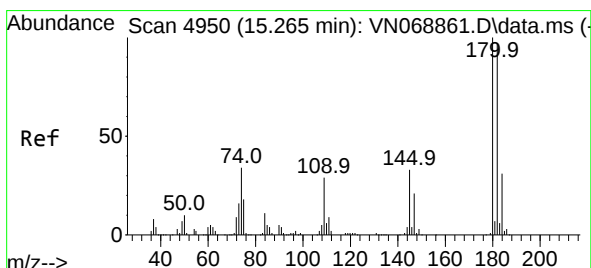
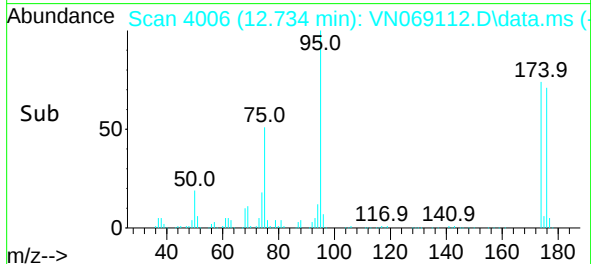
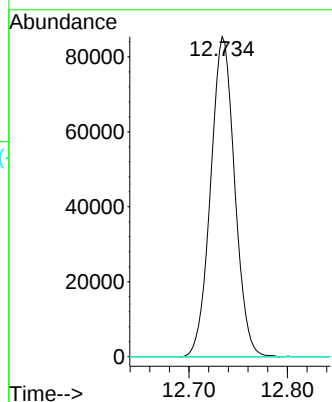
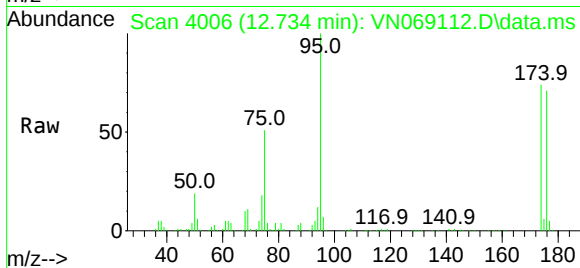




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.337 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN069112.D
 Acq: 22 Oct 2021 2:06

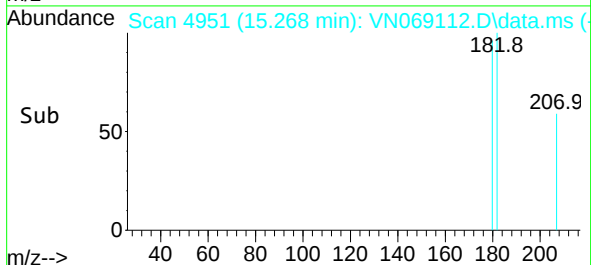
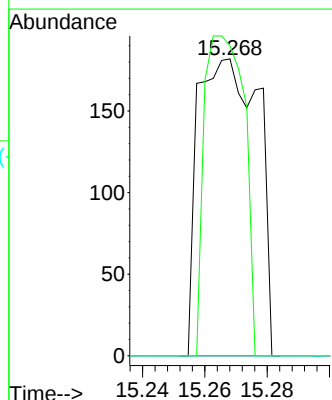
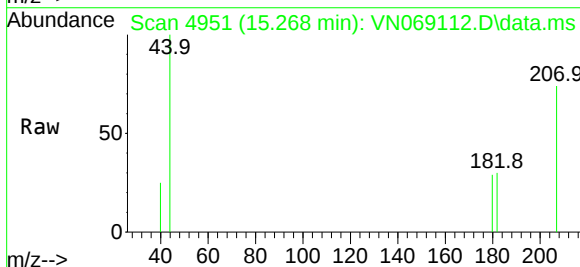
Instrument :
 MSVOA_N
 ClientSampleId :

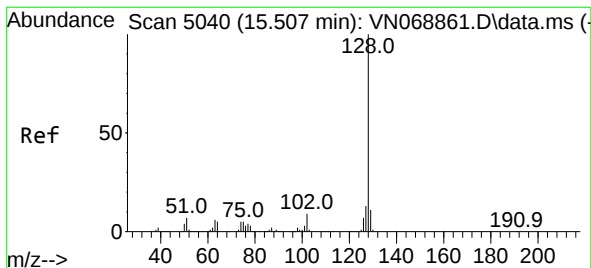
Tgt Ion: 75 Resp: 145178
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.2#
 89 0.0 36.9 55.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.661 ug/l
 RT: 15.268 min Scan# 4951
 Delta R.T. 0.003 min
 Lab File: VN069112.D
 Acq: 22 Oct 2021 2:06

Tgt Ion:180 Resp: 243
 Ion Ratio Lower Upper
 180 100
 182 71.6 47.9 143.7
 145 0.0 16.4 49.2#

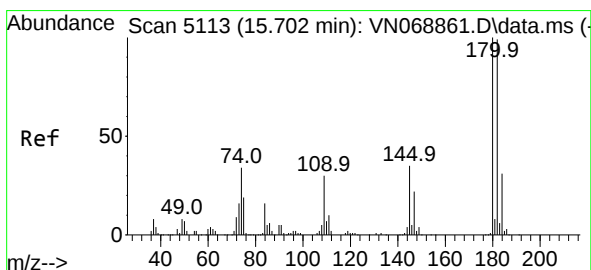
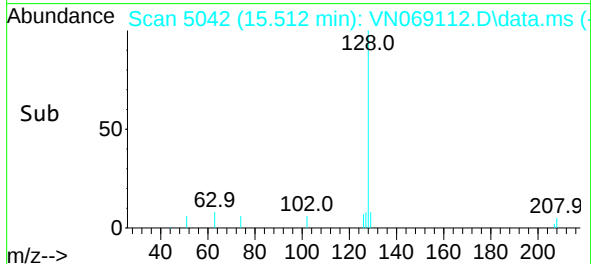
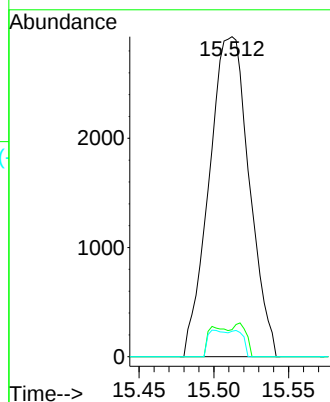
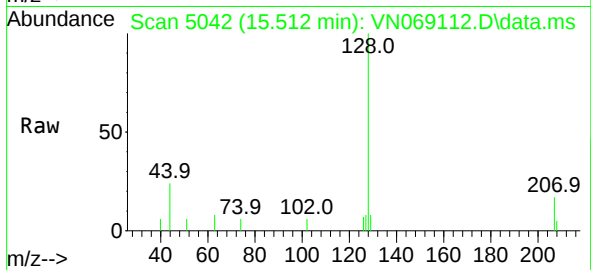




#95
Naphthalene
Concen: 4.288 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 5472
Ion Ratio Lower Upper
128 100
127 4.5 10.5 15.7#
129 4.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.539 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069112.D
Acq: 22 Oct 2021 2:06

Tgt Ion:180 Resp: 99
Ion Ratio Lower Upper
180 100
182 140.4 48.1 144.3
145 0.0 17.4 52.2#

