

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068928.D
 Acq On : 14 Oct 2021 16:41
 Operator : JC/MD
 Sample : M4192-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:47:21 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)

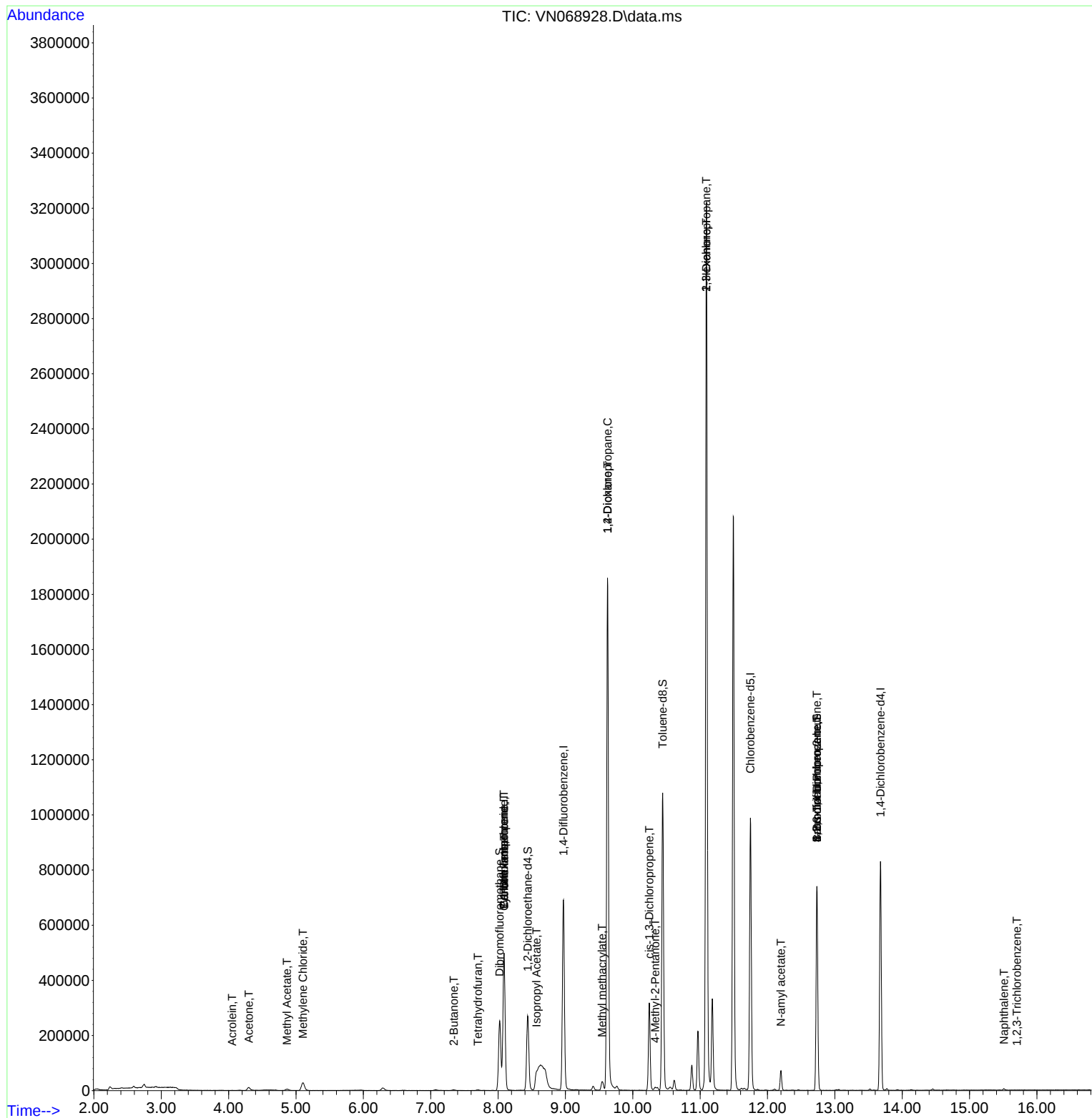
Internal Standards						
1) Pentafluorobenzene	8.088	168	383766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	628063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	584787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	228750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	228920	45.243	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.480%		
35) Dibromofluoromethane	8.024	113	189010	51.725	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.460%		
50) Toluene-d8	10.443	98	769981	52.664	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.320%		
62) 4-Bromofluorobenzene	12.733	95	263079	47.692	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.380%		
Target Compounds						Qvalue
13) Acrolein	4.052	56	199	0.487	ug/l #	49
16) Acetone	4.299	43	21745	11.516	ug/l	98
18) Methyl Acetate	4.867	43	9959	1.391	ug/l #	67
20) Methylene Chloride	5.103	84	23970	5.515	ug/l	94
25) 2-Butanone	7.343	43	4969	1.740	ug/l	99
29) Tetrahydrofuran	7.699	42	1692	0.914	ug/l #	46
31) Cyclohexane	8.091	56	8330	1.059	ug/l #	3
36) 1,1-Dichloropropene	8.088	75	29060	5.417	ug/l #	49
38) Carbon Tetrachloride	8.088	117	38907	6.604	ug/l #	15
43) Isopropyl Acetate	8.571	43	59480	6.084	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	2356	0.556	ug/l #	43
48) Methyl methacrylate	9.545	41	8938	1.946	ug/l #	13
49) 1,4-Dioxane	9.625	88	192	37.702	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4965	0.876	ug/l #	72
54) cis-1,3-Dichloropropene	10.245	75	61949	8.766	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	34919	5.111	ug/l #	42
59) 2-Hexanone	11.092	43	493267	121.345	ug/l #	50
71) Bromoform	12.733	173	1143	0.329	ug/l #	1
74) N-amyl acetate	12.197	43	22816	3.163	ug/l #	54
76) 1,2,3-Trichloropropane	12.733	75	136013	27.945	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	136013	66.857	ug/l #	12
95) Naphthalene	15.509	128	5245	4.268	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.702	180	145	2.551	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
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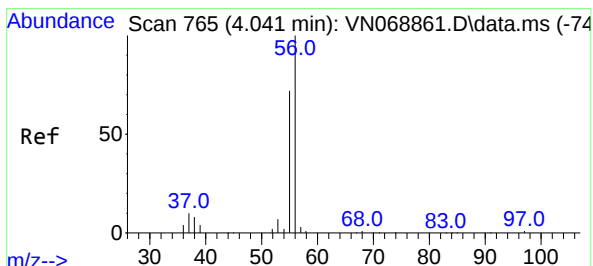
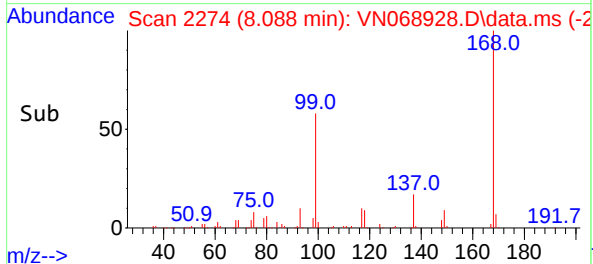
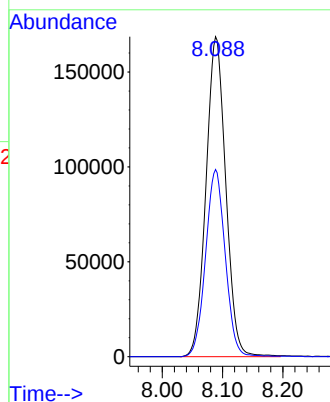
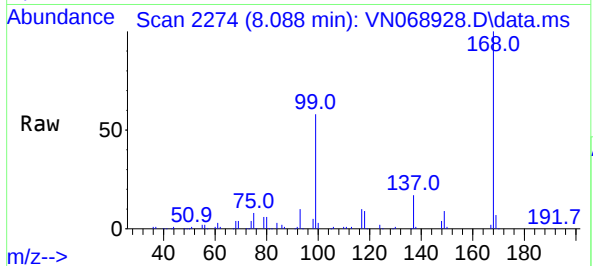




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

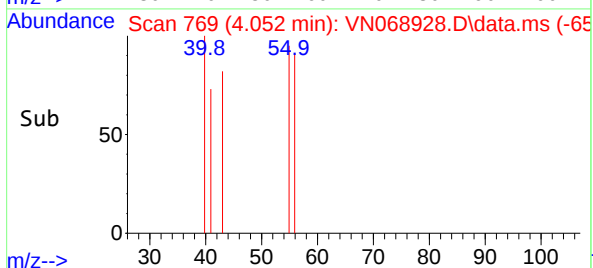
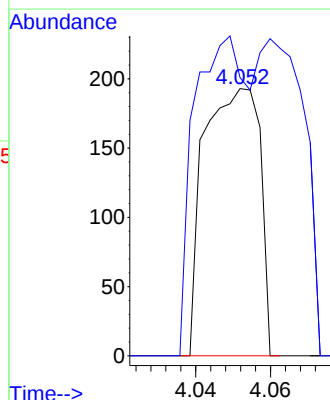
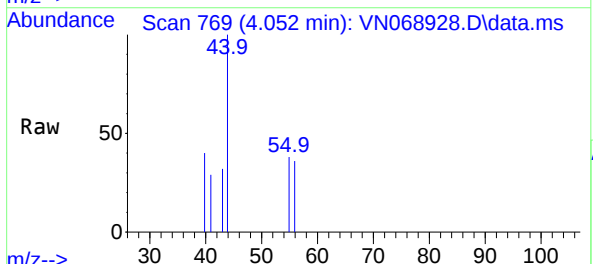
Instrument :
MSVOA_N
ClientSampled :

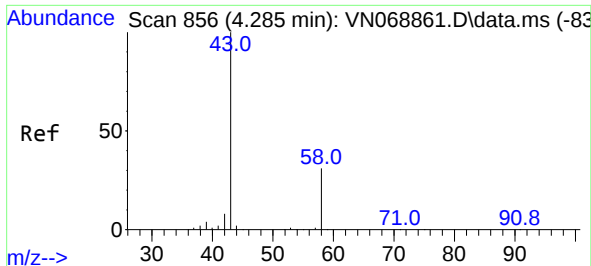
Tgt Ion:168 Resp: 383766
Ion Ratio Lower Upper
168 100
99 58.5 48.9 73.3



#13
Acrolein
Concen: 0.487 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 115.6 58.1 87.1#

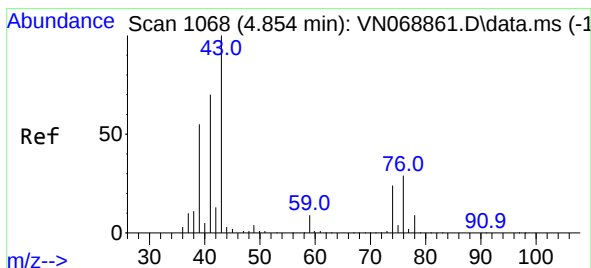
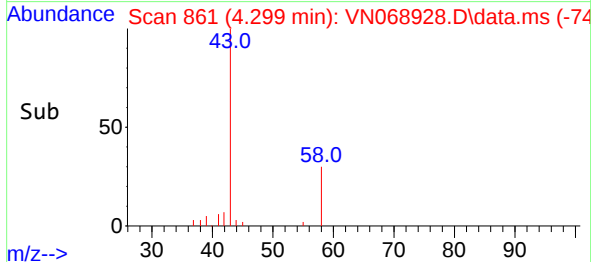
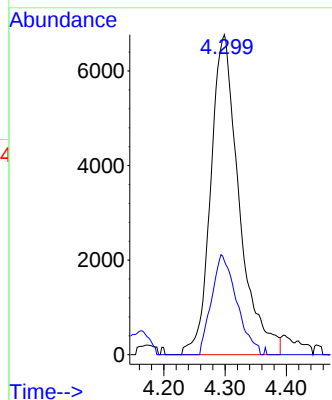
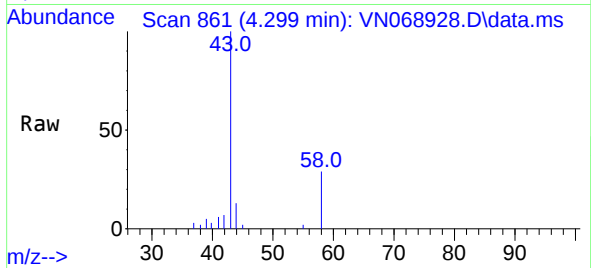




#16
Acetone
Concen: 11.516 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

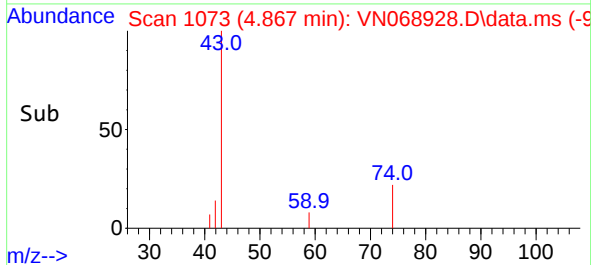
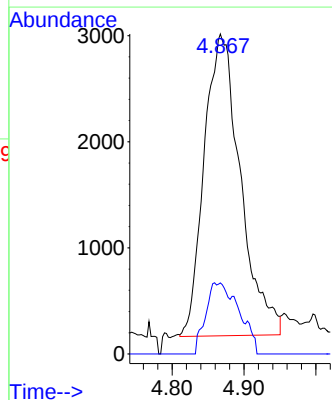
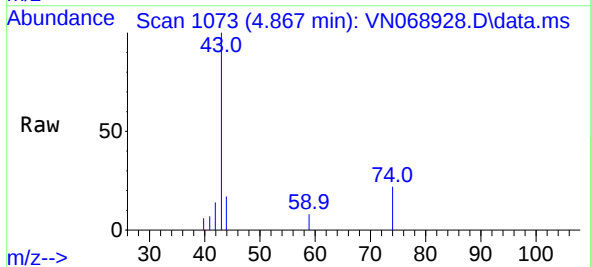
Instrument :
MSVOA_N
ClientSampled :

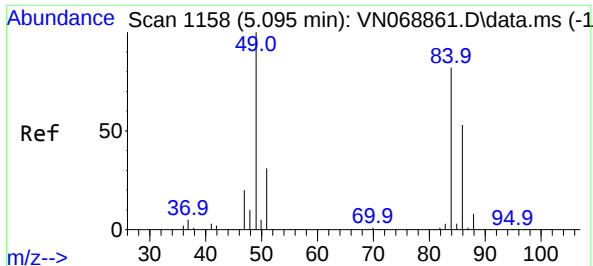
Tgt Ion: 43 Resp: 21745
Ion Ratio Lower Upper
43 100
58 29.3 24.5 36.7



#18
Methyl Acetate
Concen: 1.391 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 43 Resp: 9959
Ion Ratio Lower Upper
43 100
74 7.6 18.9 28.3#



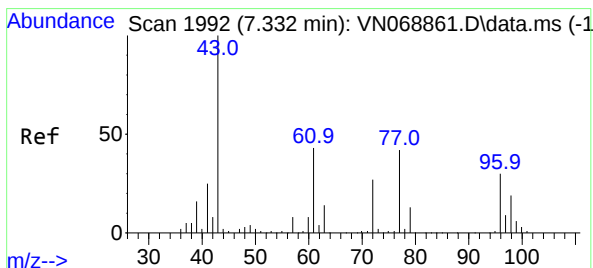
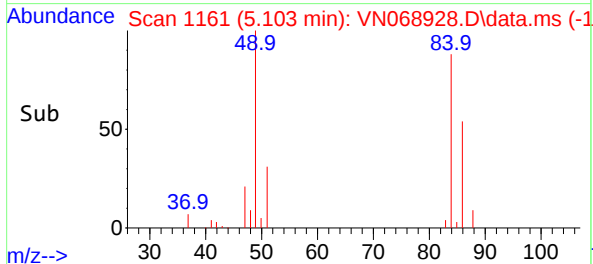
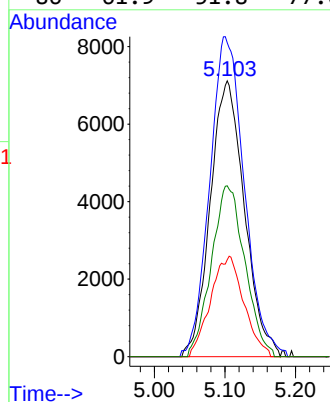
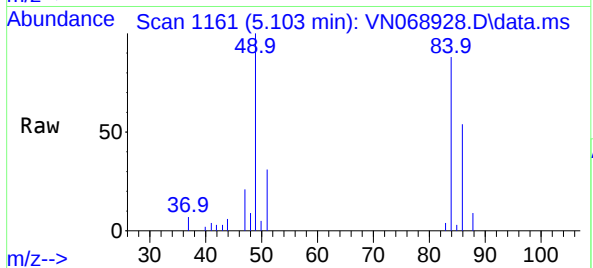


#20
Methylene Chloride
Concen: 5.515 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 23970

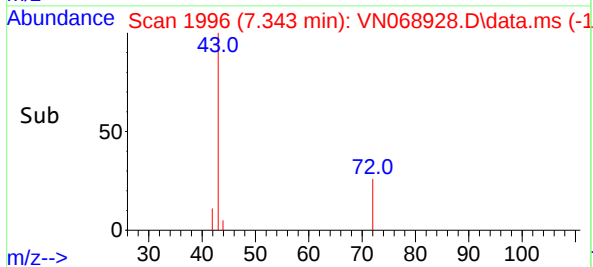
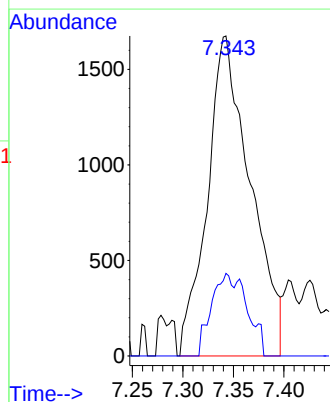
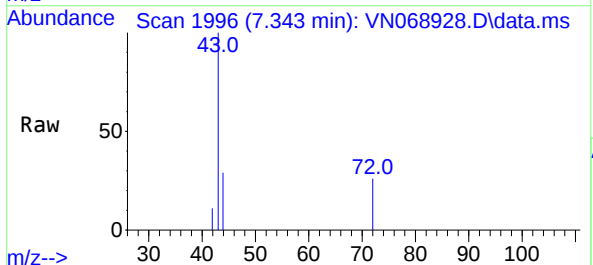
Ion	Ratio	Lower	Upper
84	100		
49	113.8	97.6	146.4
51	35.2	30.3	45.5
86	61.9	51.8	77.6

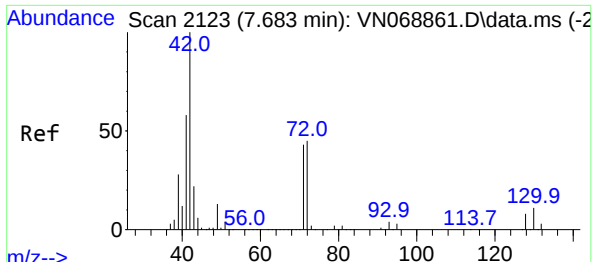


#25
2-Butanone
Concen: 1.740 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 43 Resp: 4969

Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.2	31.8

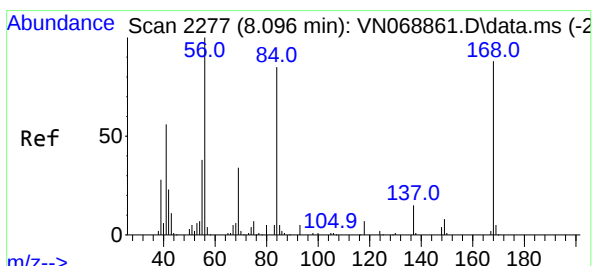
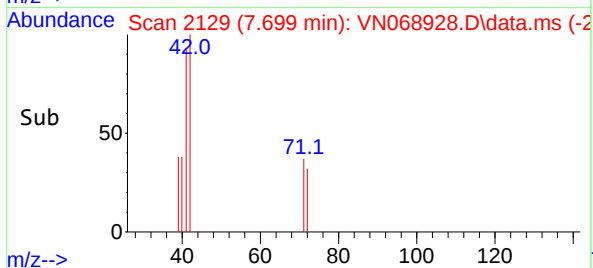
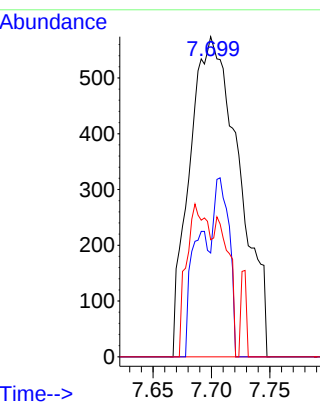
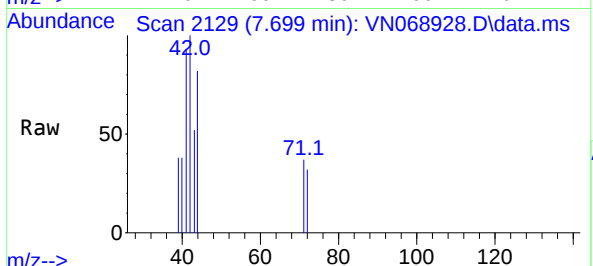




#29
Tetrahydrofuran
Concen: 0.914 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

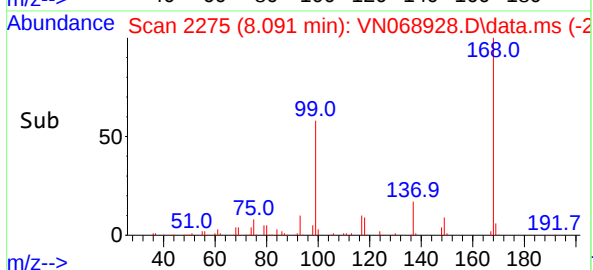
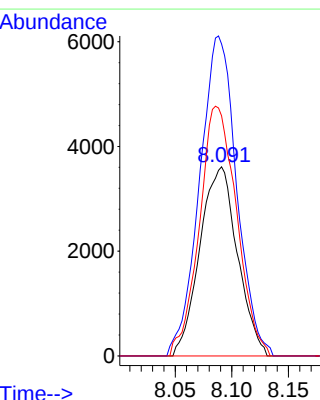
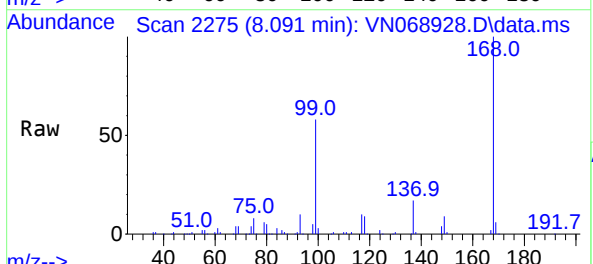
Instrument :
MSVOA_N
ClientSampled :

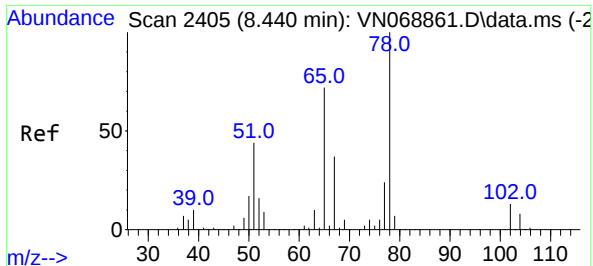
Tgt Ion:	42	Resp:	1692
Ion	Ratio	Lower	Upper
42	100		
72	17.4	35.4	53.2#
71	0.0	33.8	50.6#



#31
Cyclohexane
Concen: 1.059 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion:	56	Resp:	8330
Ion	Ratio	Lower	Upper
56	100		
69	160.6	26.9	40.3#
84	127.0	67.6	101.4#



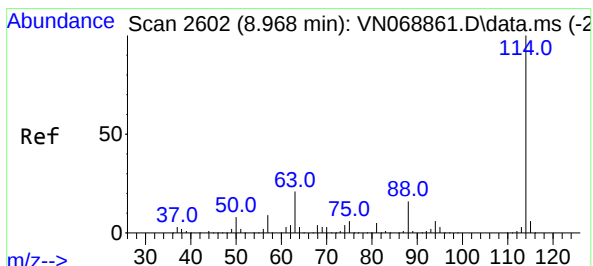
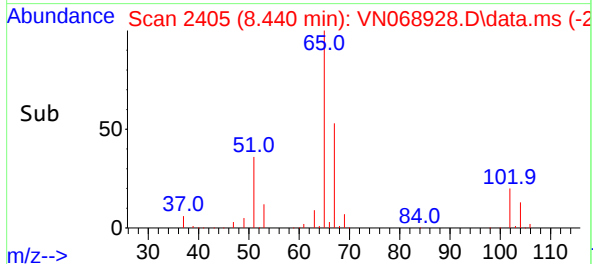
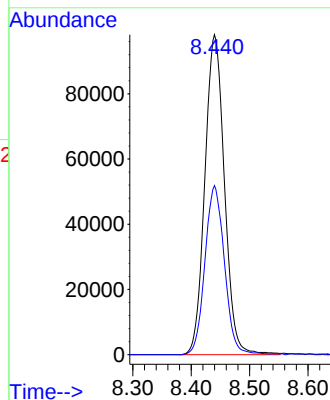
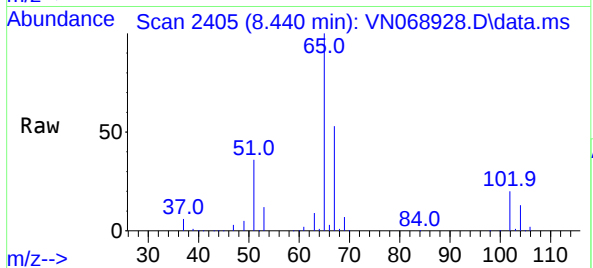


#33

1,2-Dichloroethane-d4
Concen: 45.243 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Instrument :
MSVOA_N
ClientSampled :

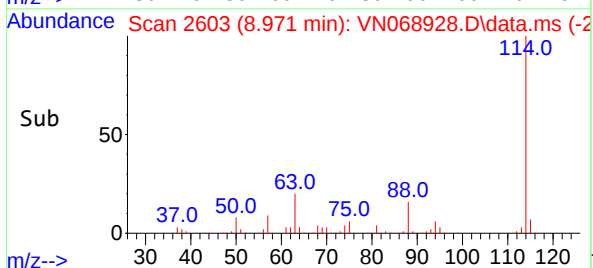
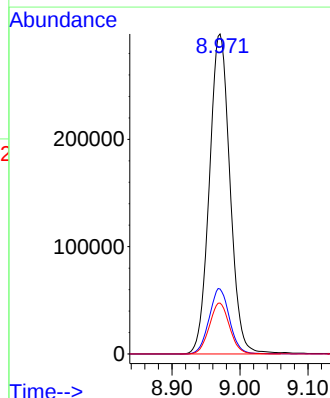
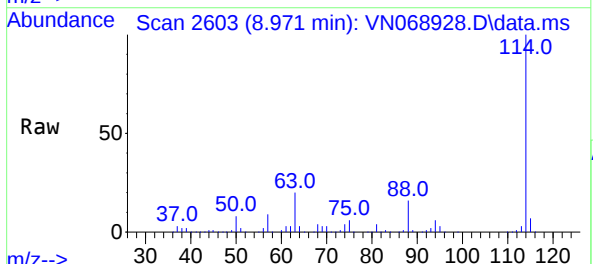
Tgt Ion: 65 Resp: 228920
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.8

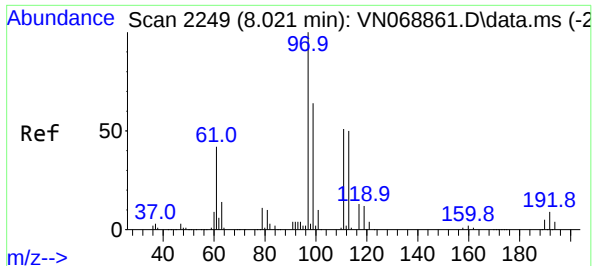


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 114 Resp: 628063
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.9 0.0 32.0

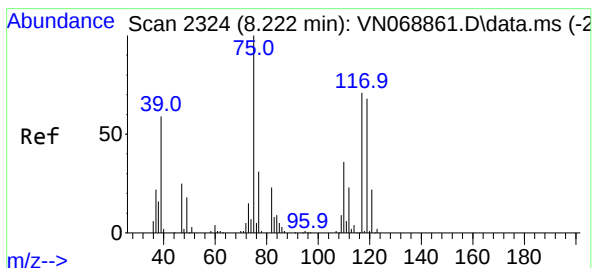
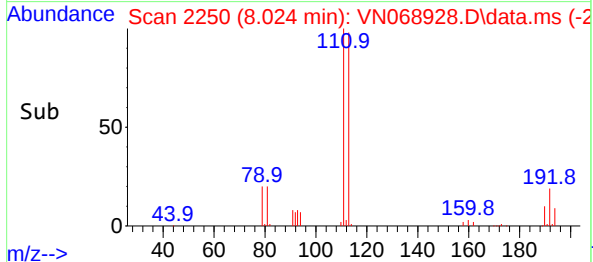
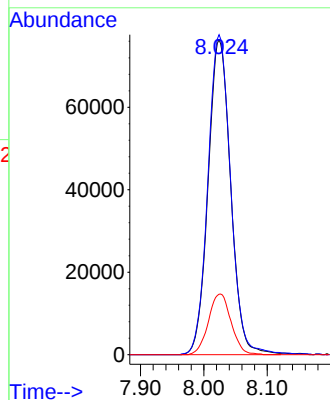
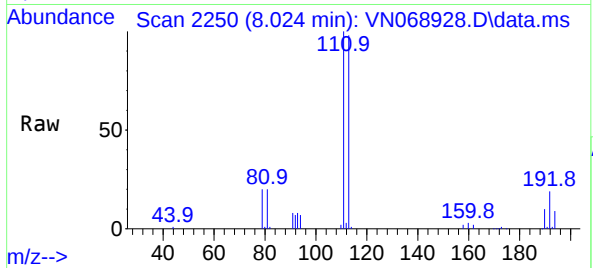




#35
Dibromofluoromethane
Concen: 51.725 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

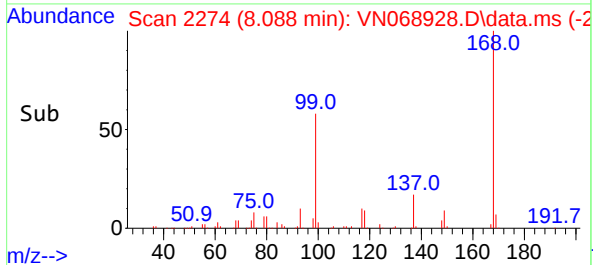
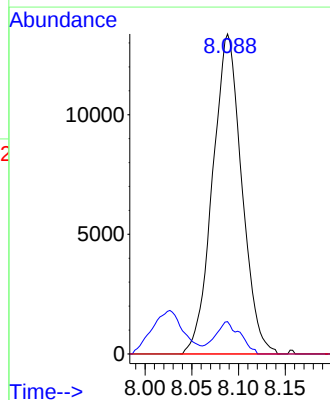
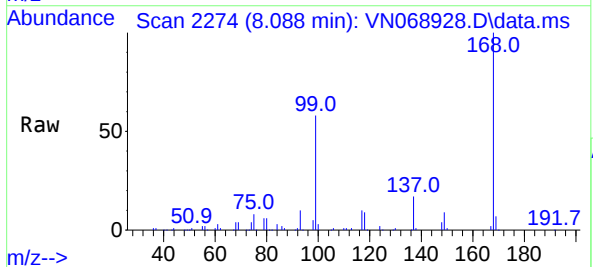
Instrument :
MSVOA_N
ClientSampled :

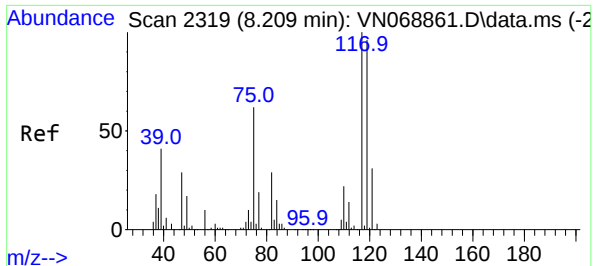
Tgt Ion:113 Resp: 189010
Ion Ratio Lower Upper
113 100
111 102.5 83.2 124.8
192 19.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.417 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

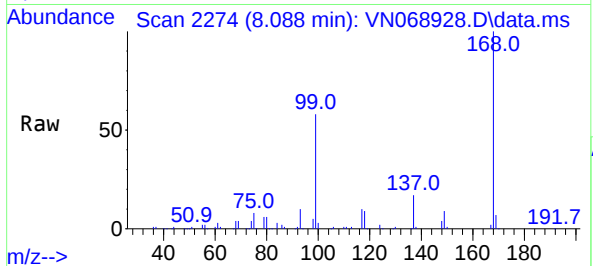
Tgt Ion: 75 Resp: 29060
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 24.7 37.1#



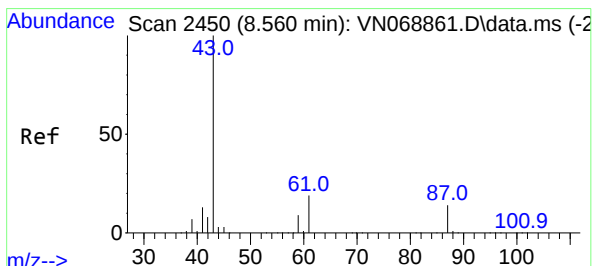
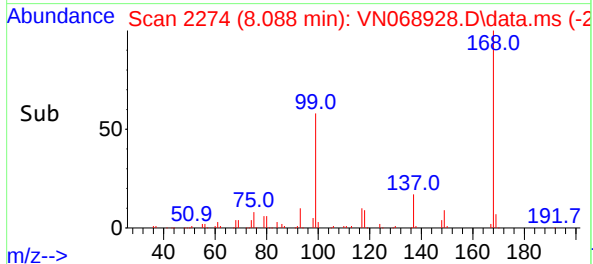
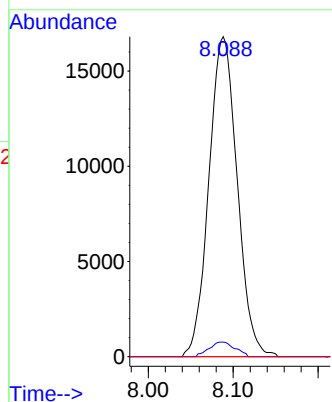


#38
Carbon Tetrachloride
Concen: 6.604 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Instrument :
MSVOA_N
ClientSampled :

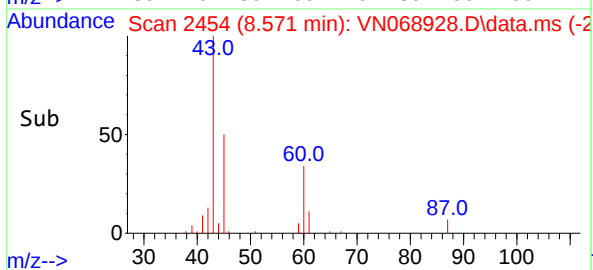
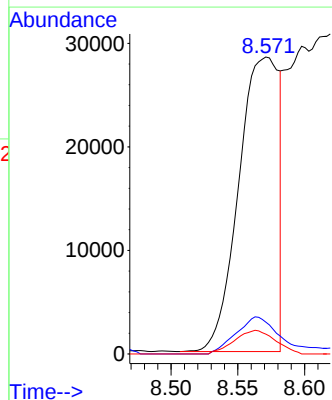
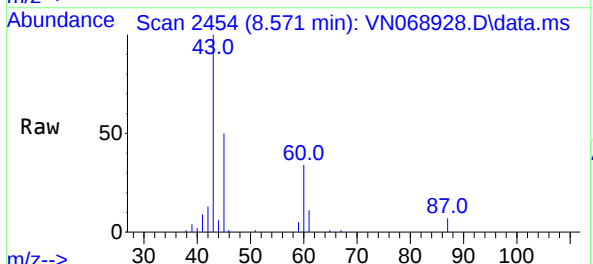


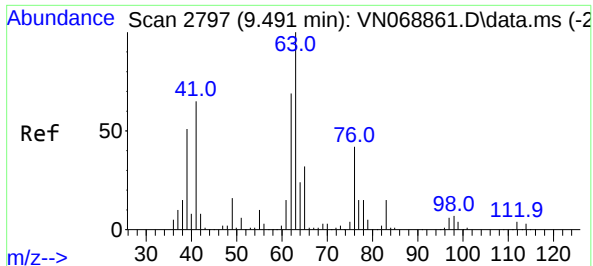
Tgt Ion:117 Resp: 38907
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.084 ug/l
RT: 8.571 min Scan# 2454
Delta R.T. 0.011 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 43 Resp: 59480
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 8.2 10.7 16.1#

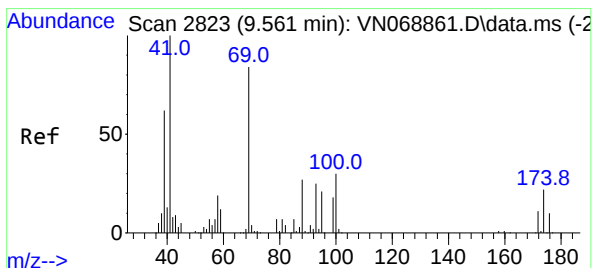
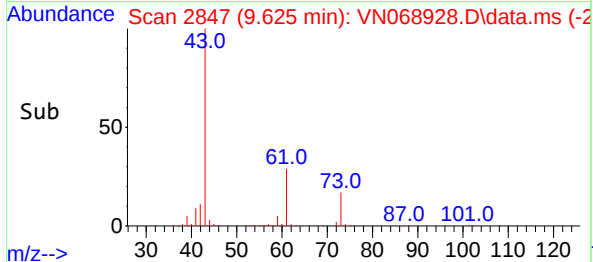
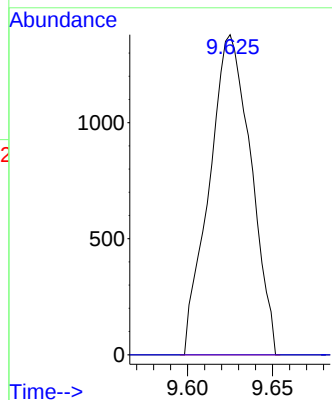
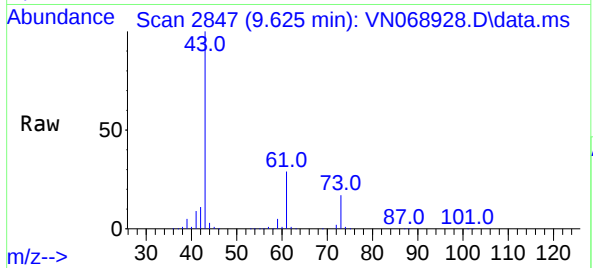




#45
1,2-Dichloropropane
Concen: 0.556 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

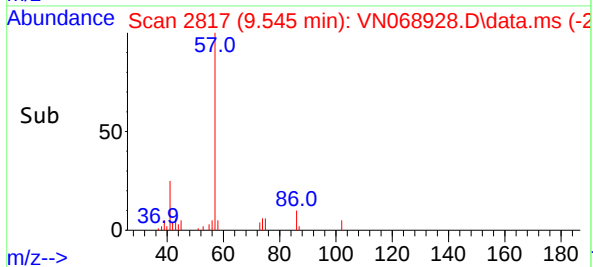
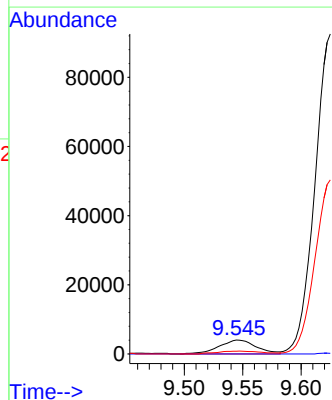
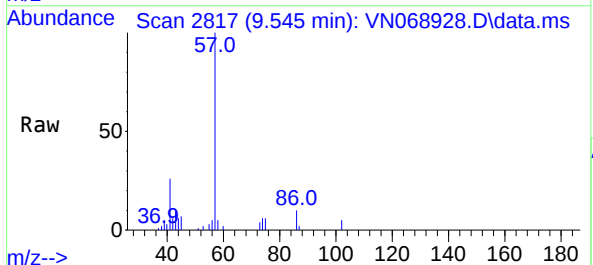
Instrument :
MSVOA_N
ClientSampled :

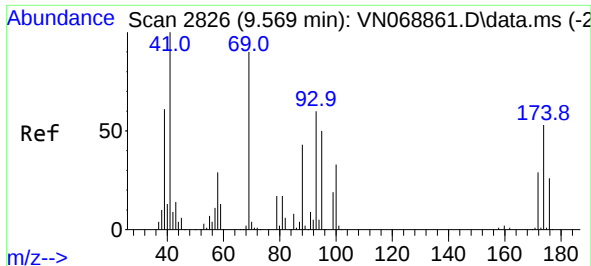
Tgt Ion: 63 Resp: 2356
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.946 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 41 Resp: 8938
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: 37.702 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.056 min

Lab File: VN068928.D

Acq: 14 Oct 2021 16:41

Tgt Ion: 88 Resp: 192

Ion Ratio Lower Upper

88 100

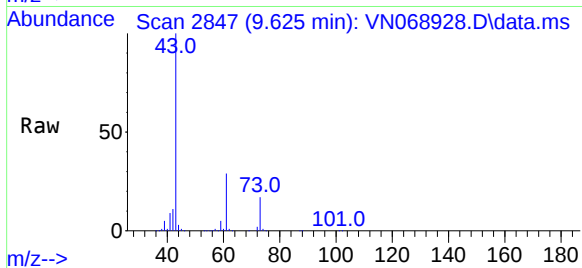
43 976432.3 24.9 37.3#

58 3534.4 56.9 85.3#

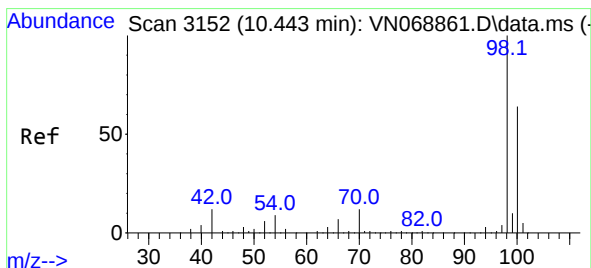
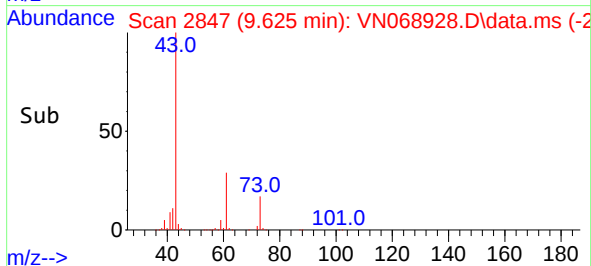
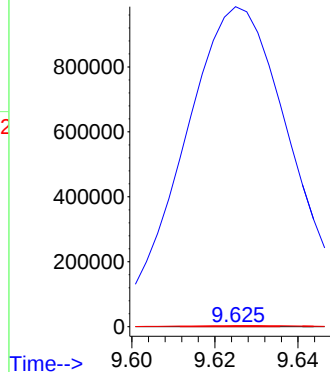
Instrument :

MSVOA_N

ClientSampled :



Abundance



#50

Toluene-d8

Concen: 52.664 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN068928.D

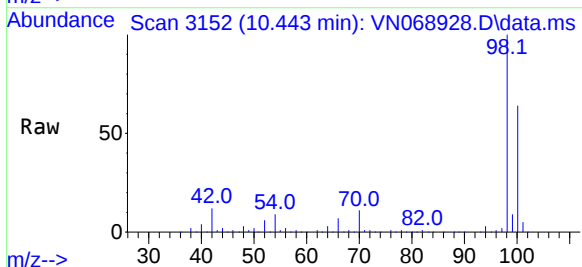
Acq: 14 Oct 2021 16:41

Tgt Ion: 98 Resp: 769981

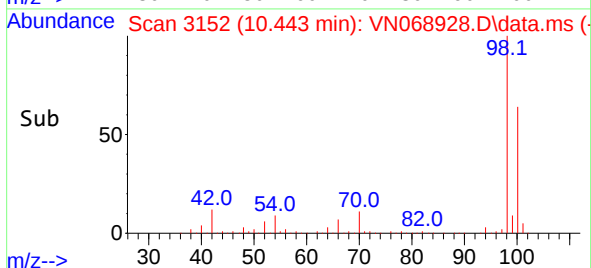
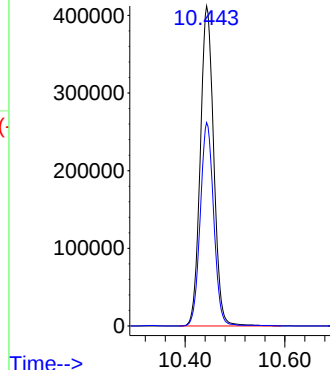
Ion Ratio Lower Upper

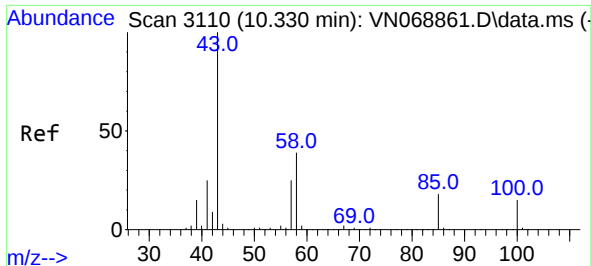
98 100

100 63.7 51.5 77.3



Abundance

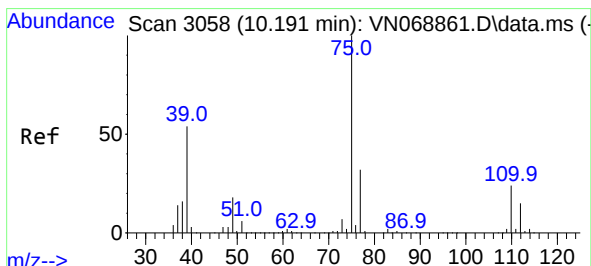
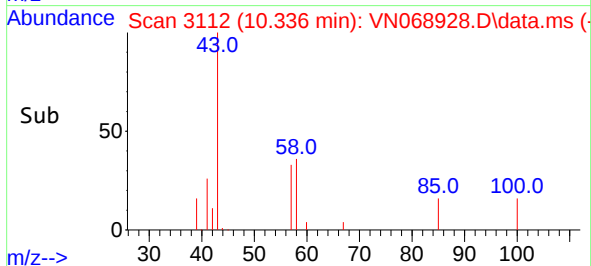
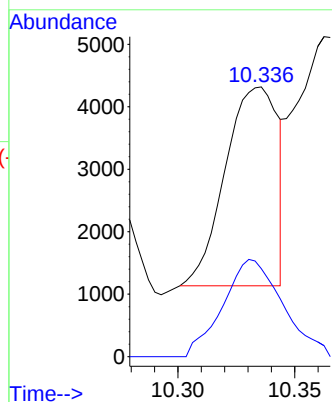
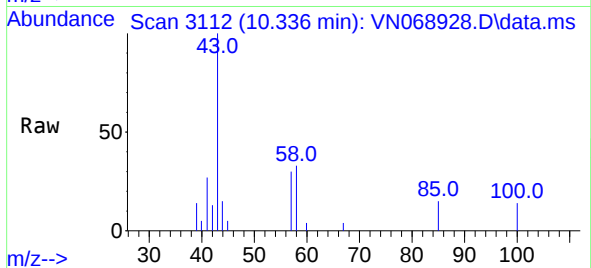




#51
4-Methyl-2-Pentanone
Concen: 0.876 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

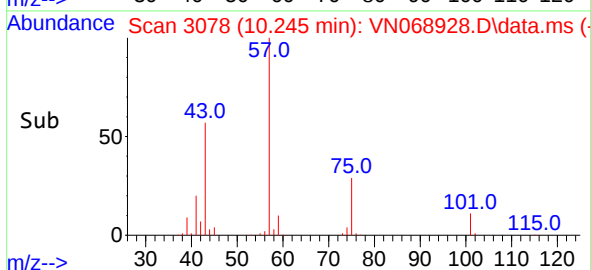
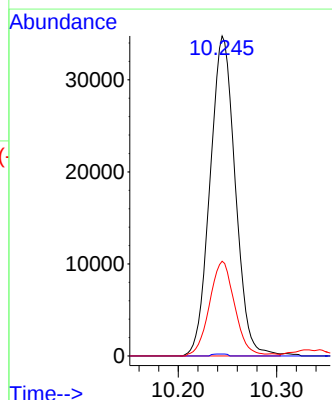
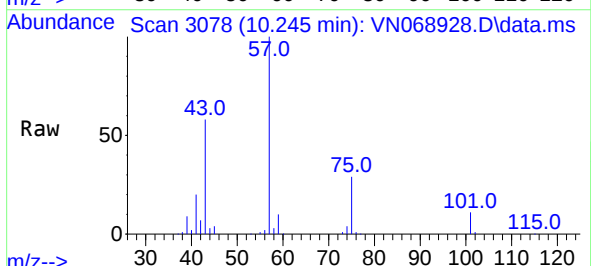
Instrument :
MSVOA_N
ClientSampled :

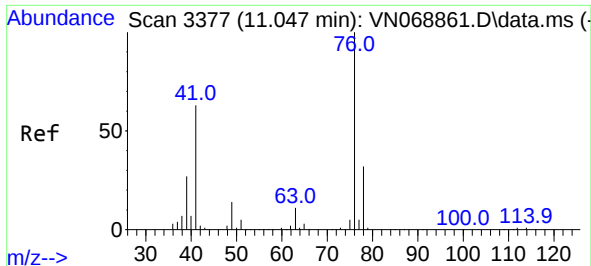
Tgt Ion: 43 Resp: 4965
Ion Ratio Lower Upper
43 100
58 55.7 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.766 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 75 Resp: 61949
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 29.6 42.9 64.3#

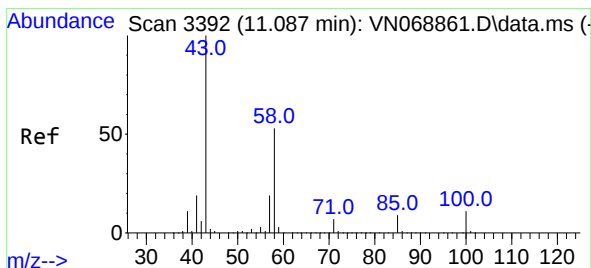
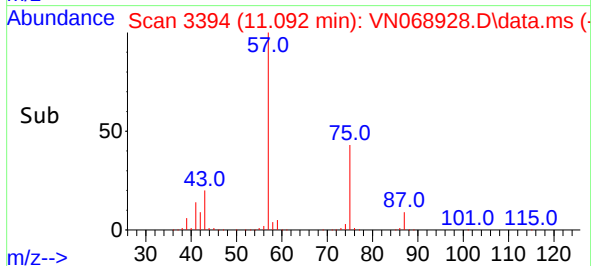
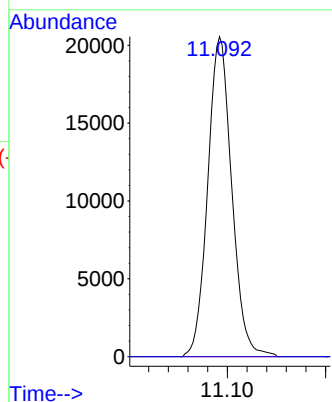
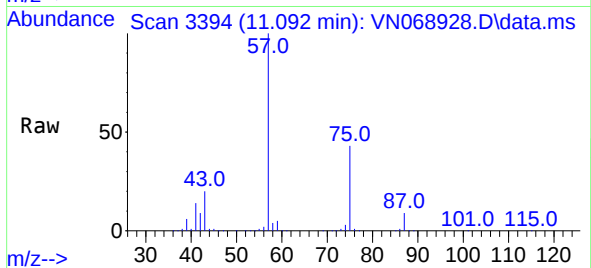




#57
1,3-Dichloropropane
Concen: 5.111 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

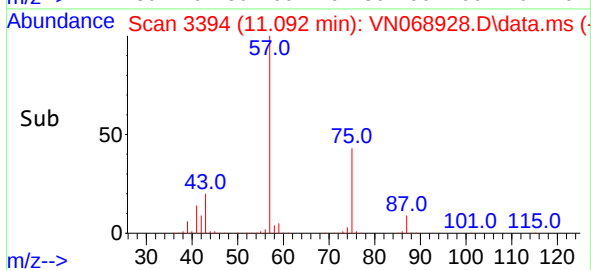
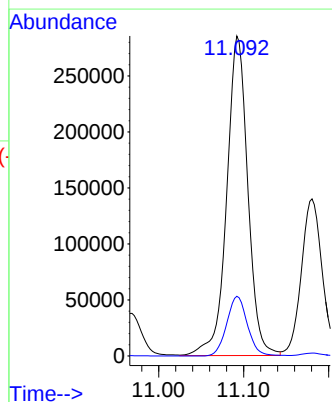
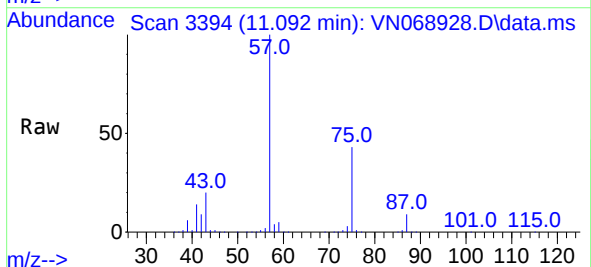
Instrument :
MSVOA_N
ClientSampled :

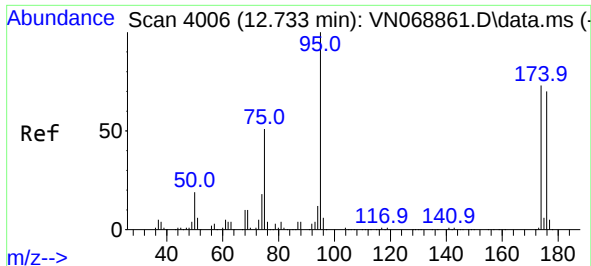
Tgt Ion: 76 Resp: 34919
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 121.345 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 43 Resp: 493267
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

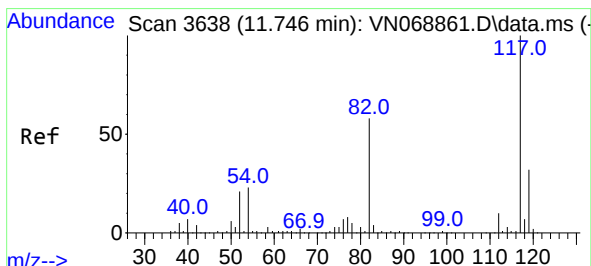
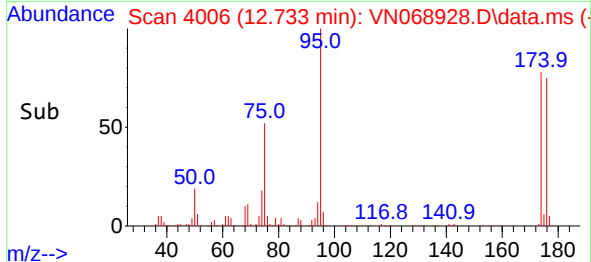
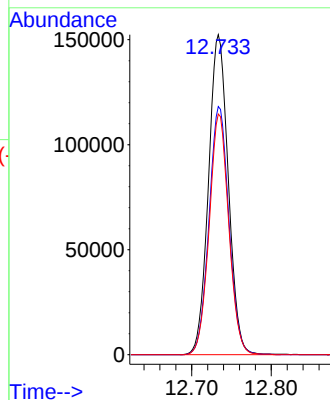
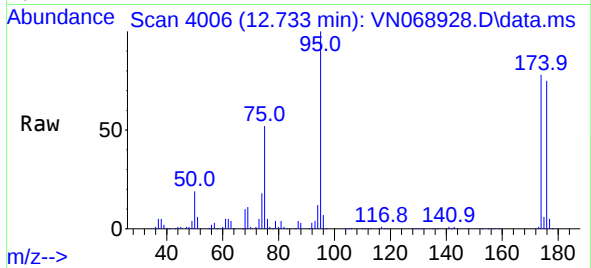




#62
4-Bromofluorobenzene
Concen: 47.692 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

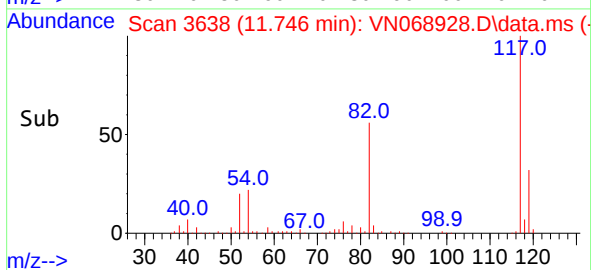
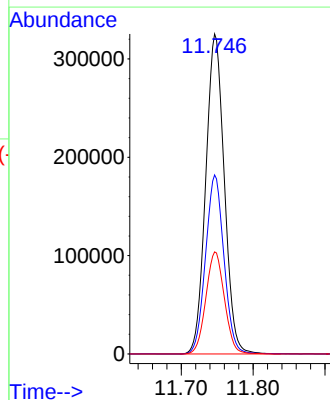
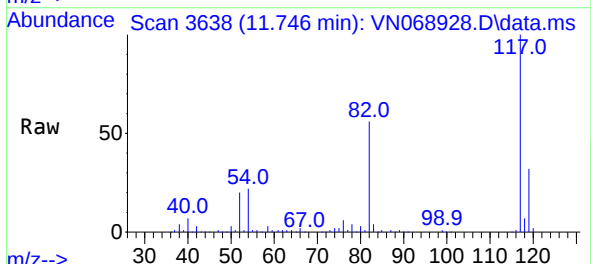
Instrument :
MSVOA_N
ClientSampled :

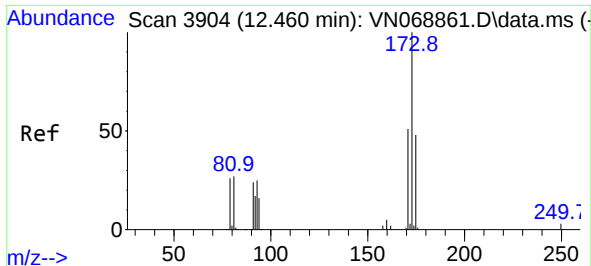
Tgt Ion: 95 Resp: 263079
Ion Ratio Lower Upper
95 100
174 78.2 0.0 144.8
176 74.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Tgt Ion: 117 Resp: 584787
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 31.9 26.0 39.0

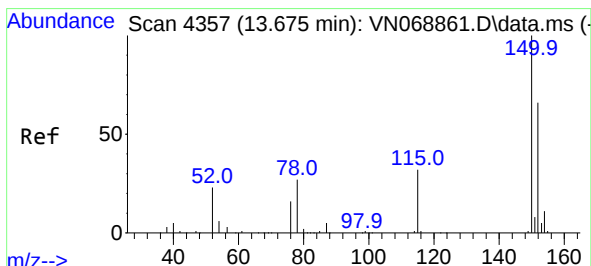
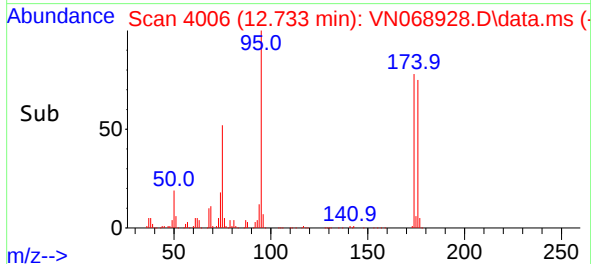
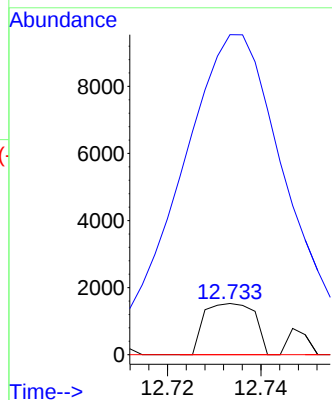
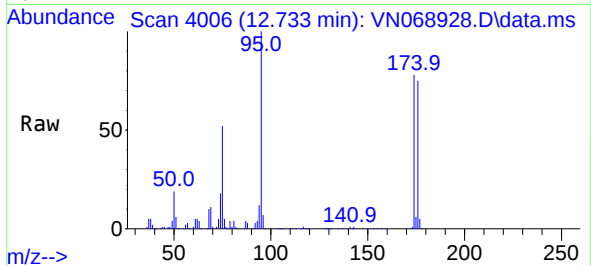




#71
Bromoform
Concen: 0.329 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

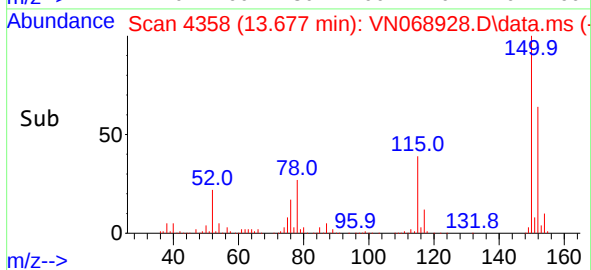
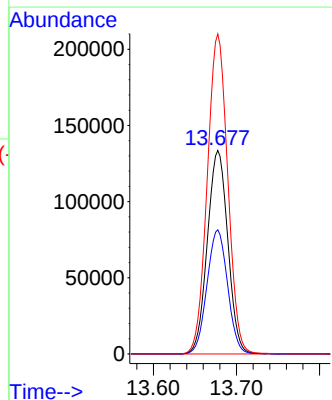
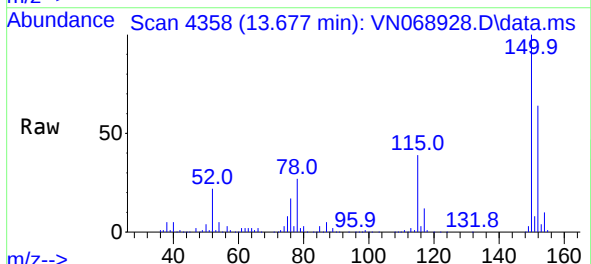
Instrument :
MSVOA_N
ClientSampled :

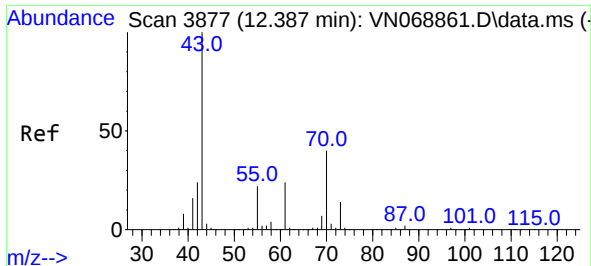
Tgt Ion:173 Resp: 1143
Ion Ratio Lower Upper
173 100
175 1265.6 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

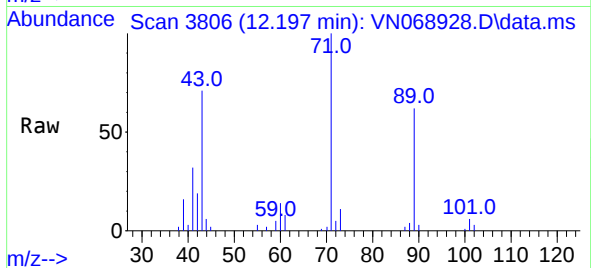
Tgt Ion:152 Resp: 228750
Ion Ratio Lower Upper
152 100
115 61.3 31.4 94.3
150 157.1 0.0 351.0



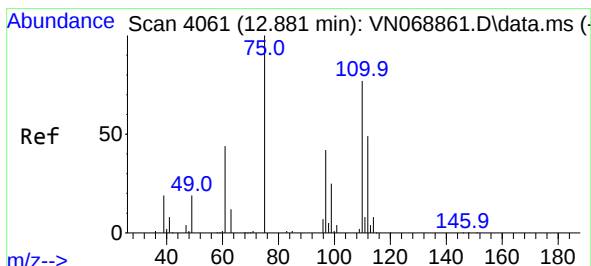
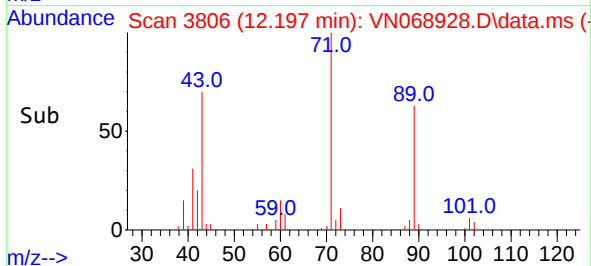
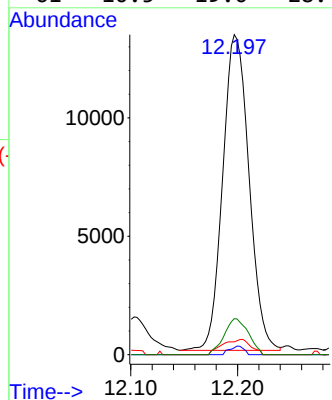


#74
N-amy1 acetate
Concen: 3.163 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.191 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

Instrument :
MSVOA_N
ClientSampled :

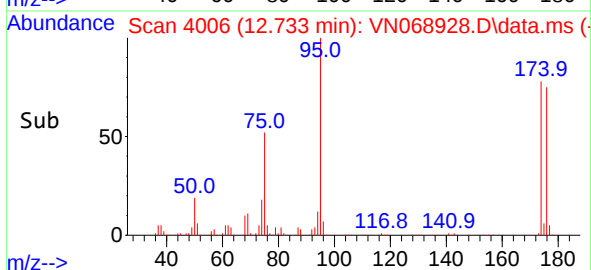
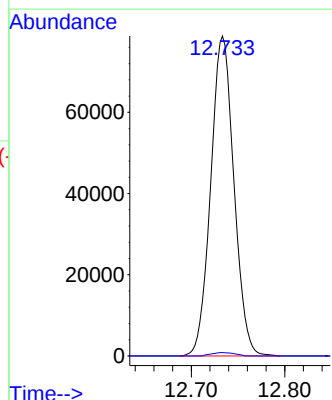
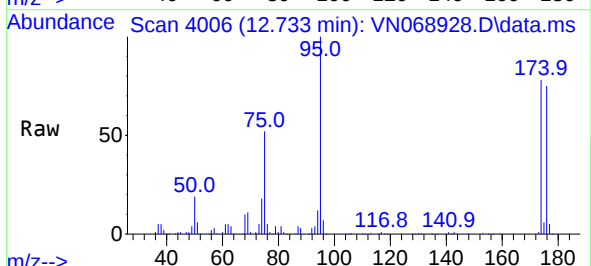


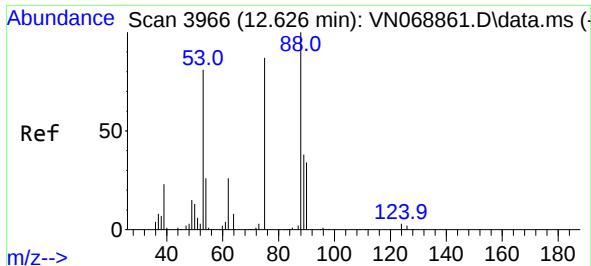
Tgt Ion:	43	Resp:	22816
Ion Ratio	100	Lower	Upper
70	1.5	32.2	48.2#
55	5.3	18.0	27.0#
61	10.5	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 27.945 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

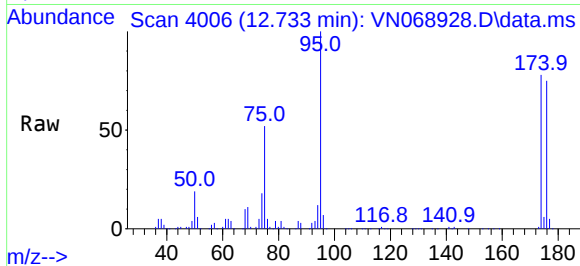
Tgt Ion:	75	Resp:	136013
Ion Ratio	100	Lower	Upper
77	1.1	96.2	288.4#



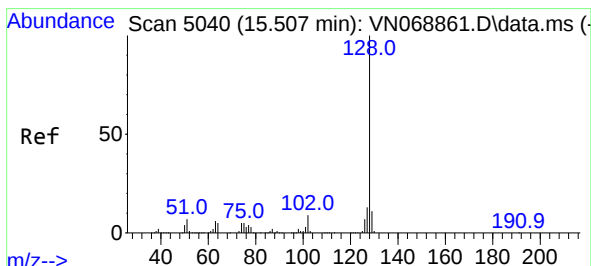
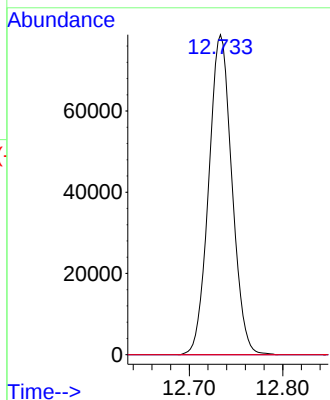
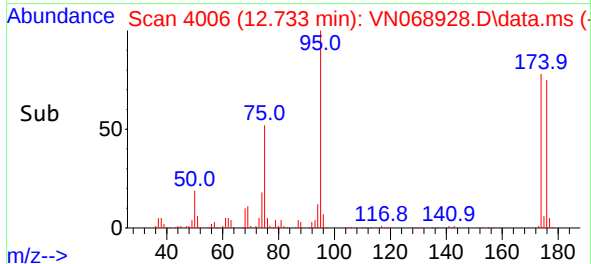


#81
trans-1,4-Dichloro-2-butene
Concen: 66.857 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41

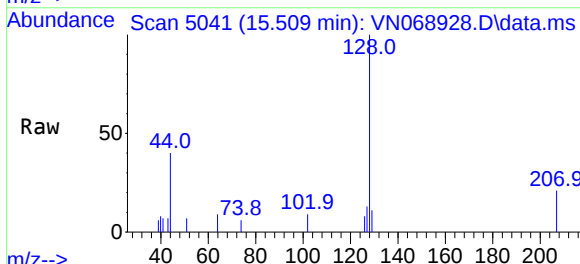
Instrument :
MSVOA_N
ClientSampled :



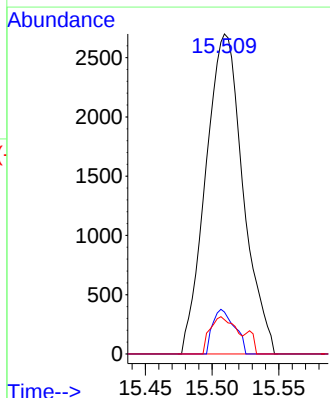
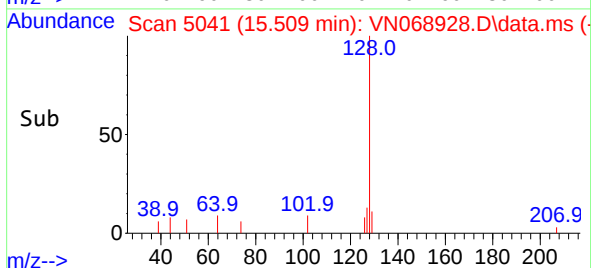
Tgt Ion: 75 Resp: 136013
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

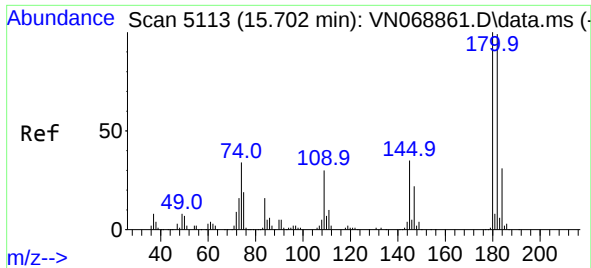


#95
Naphthalene
Concen: 4.268 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068928.D
Acq: 14 Oct 2021 16:41



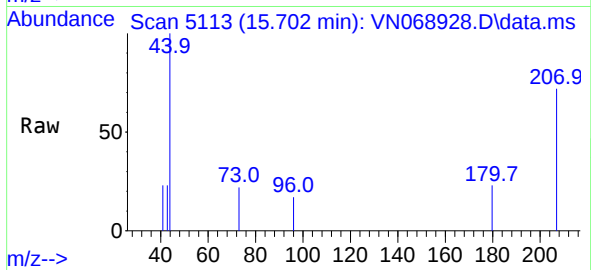
Tgt Ion: 128 Resp: 5245
Ion Ratio Lower Upper
128 100
127 8.2 10.5 15.7#
129 8.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.551 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN068928.D
 Acq: 14 Oct 2021 16:41

Instrument :
 MSVOA_N
 ClientSampleId :



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

