

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081121\
 Data File : VN068078.D
 Acq On : 11 Aug 2021 18:16
 Operator : JC/MD
 Sample : M3360-04 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 12 07:13:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

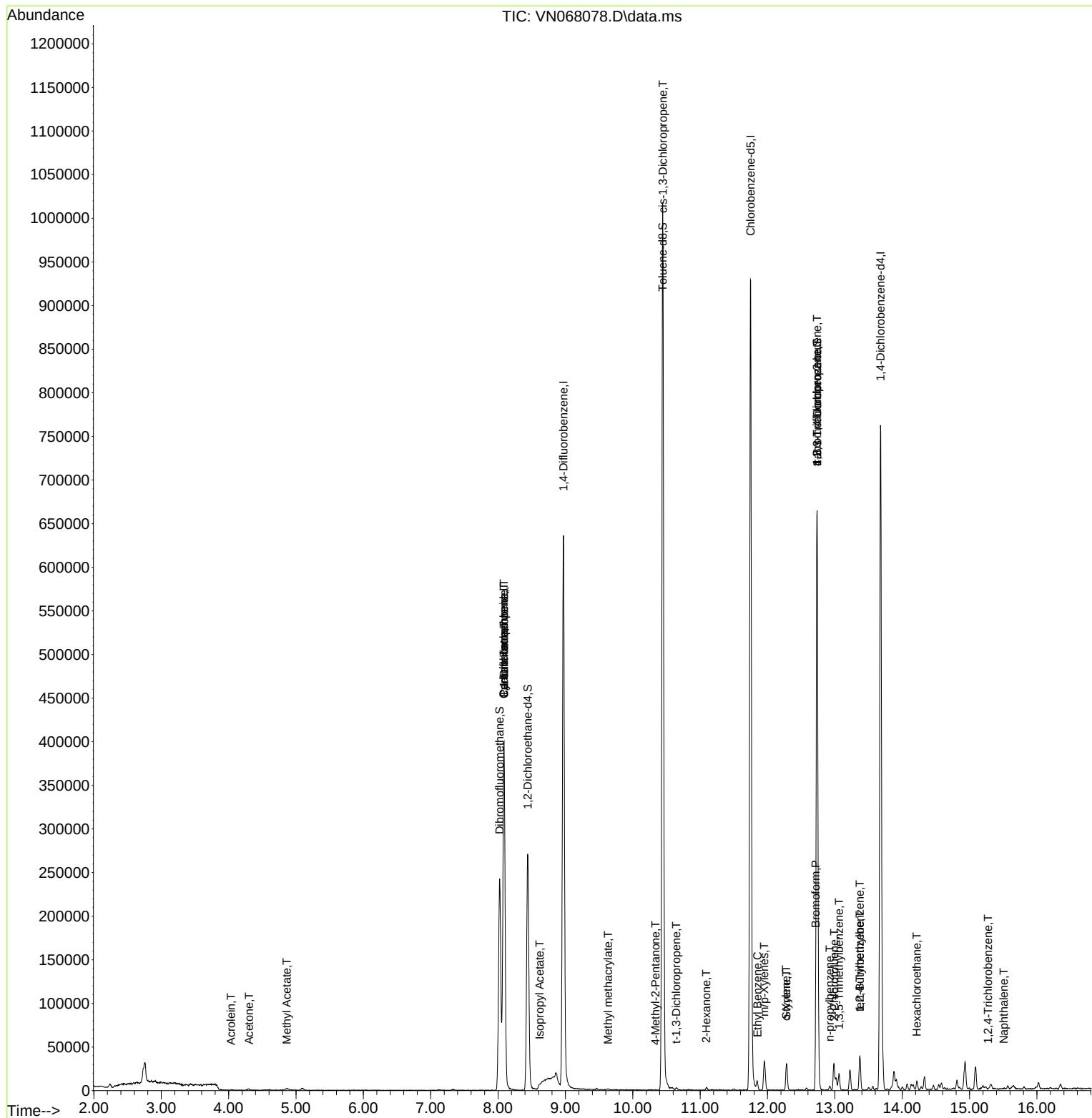
Internal Standards						
1) Pentafluorobenzene	8.088	168	290231	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	566898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	549109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	202335	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	228037	55.50	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	111.00%		
35) Dibromofluoromethane	8.024	113	177125	53.61	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	107.22%		
50) Toluene-d8	10.443	98	718013	47.32	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.64%		
62) 4-Bromofluorobenzene	12.736	95	242157	44.05	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.10%		
Target Compounds						Qvalue
13) Acrolein	4.036	56	118	0.32	ug/l	83
16) Acetone	4.302	43	2435	1.62	ug/l	97
18) Methyl Acetate	4.862	43	3697	0.93	ug/l	# 76
20) Methylene Chloride	5.082	84	850	Below Cal	#	55
31) Cyclohexane	8.086	56	7384	1.22	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	25362	4.84	ug/l	# 53
38) Carbon Tetrachloride	8.086	117	32676	6.34	ug/l	# 17
43) Isopropyl Acetate	8.617	43	3543	0.43	ug/l	# 58
48) Methyl methacrylate	9.633	41	54	2.32	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.339	43	265	12.61	ug/l	# 39
53) t-1,3-Dichloropropene	10.644	75	26	2.84	ug/l	# 1
54) cis-1,3-Dichloropropene	10.449	75	143	2.37	ug/l	# 23
59) 2-Hexanone	11.092	43	938	13.50	ug/l	# 32
67) Ethyl Benzene	11.851	91	6971	0.35	ug/l	93
68) m/p-Xylenes	11.953	106	10962	5.27	ug/l	83
69) o-Xylene	12.278	106	8821	1.21	ug/l	87
70) Styrene	12.280	104	646	2.67	ug/l	# 19
71) Bromoform	12.715	173	96	4.06	ug/l	# 1
76) 1,2,3-Trichloropropane	12.736	75	132477	32.60	ug/l	# 100
78) n-propylbenzene	12.924	91	4147	0.22	ug/l	94
79) 2-Chlorotoluene	12.991	91	2726	0.24	ug/l	# 46
80) 1,3,5-Trimethylbenzene	13.064	105	9045	0.68	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.736	75	132477	87.54	ug/l	# 6
83) tert-Butylbenzene	13.372	119	3003	0.27	ug/l	# 82
84) 1,2,4-Trimethylbenzene	13.372	105	22967	1.77	ug/l	91
90) Hexachloroethane	14.217	117	616	0.29	ug/l	# 16
93) 1,2,4-Trichlorobenzene	15.274	180	99	2.50	ug/l	# 4
95) Naphthalene	15.507	128	1269	3.26	ug/l	# 77

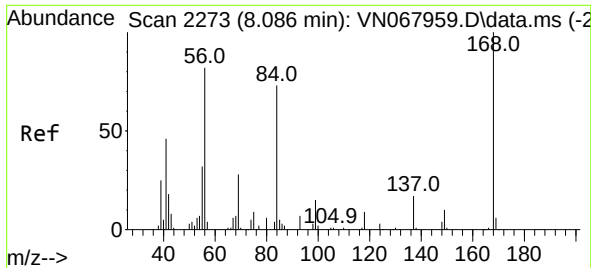
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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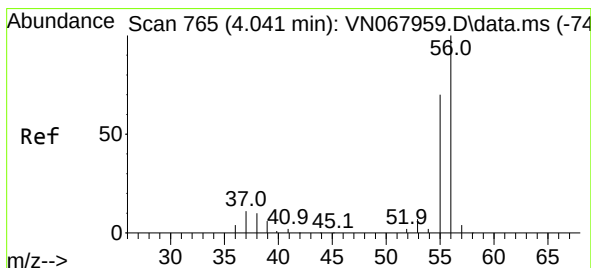
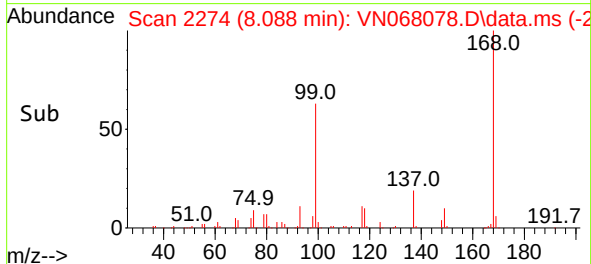
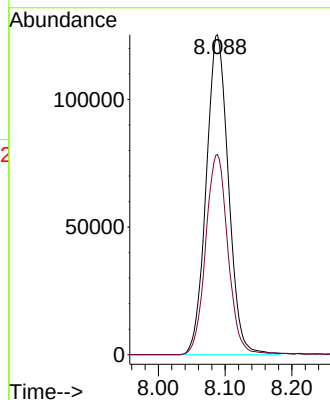
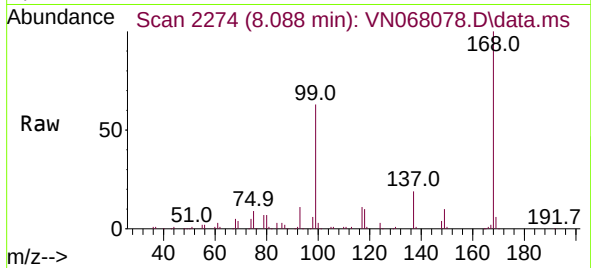




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

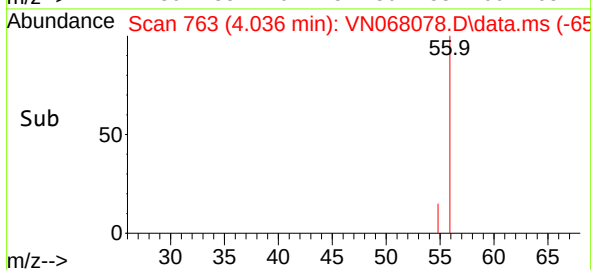
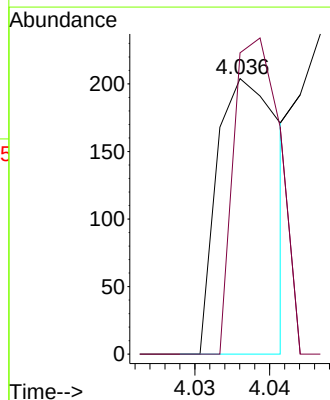
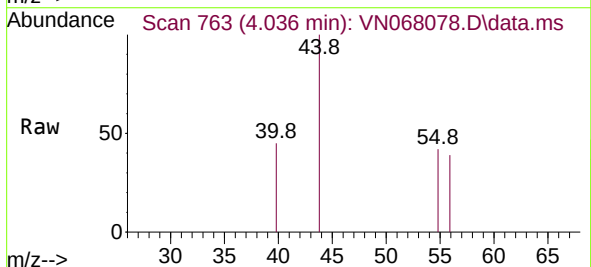
Instrument :
MSVOA_N
ClientSampled :

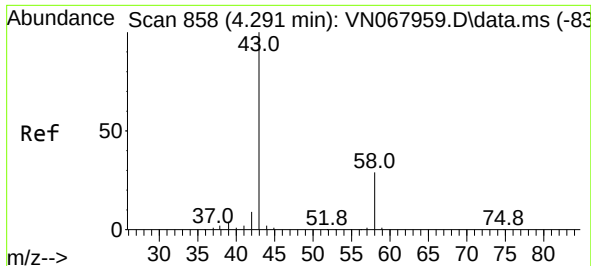
Tgt Ion:168 Resp: 290231
Ion Ratio Lower Upper
168 100
99 62.6 62.9 94.3#



#13
Acrolein
Concen: 0.32 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 85.6 57.4 86.0

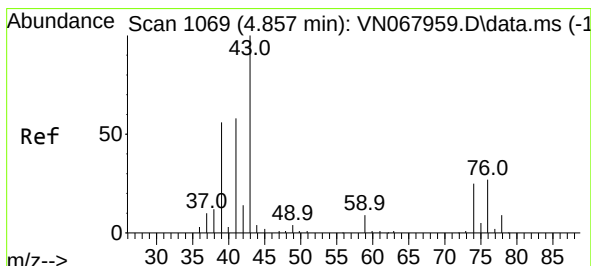
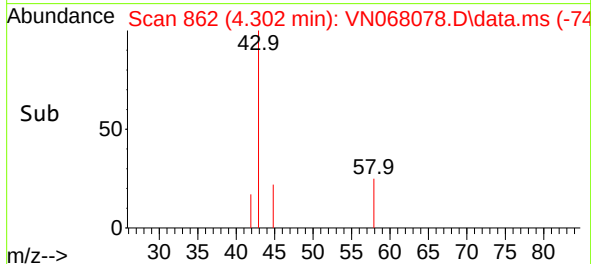
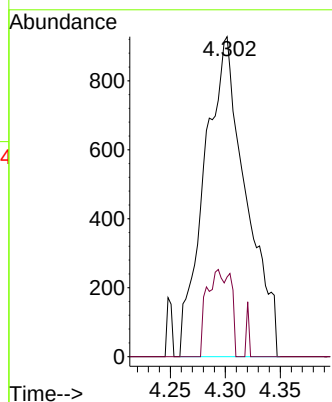
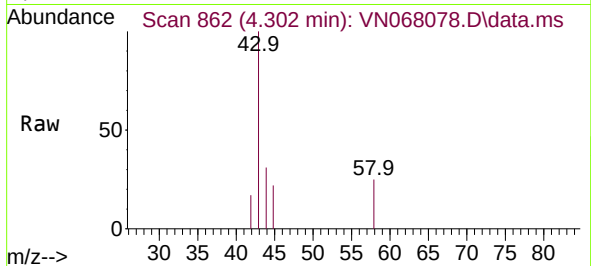




#16
Acetone
Concen: 1.62 ug/l
RT: 4.302 min Scan# 862
Delta R.T. 0.011 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

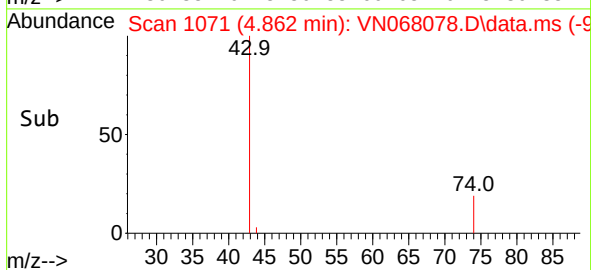
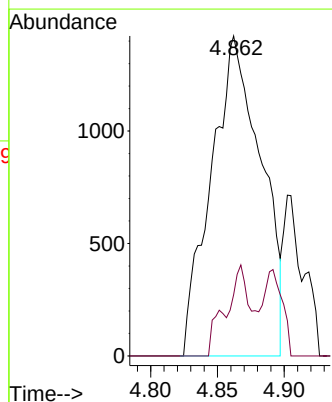
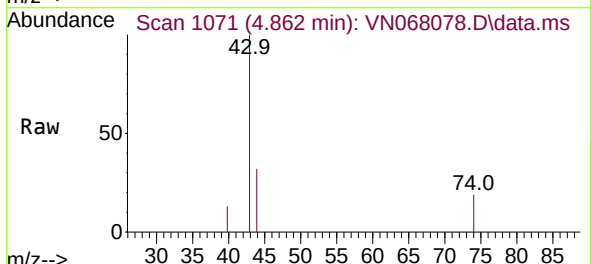
Instrument :
MSVOA_N
ClientSampled :

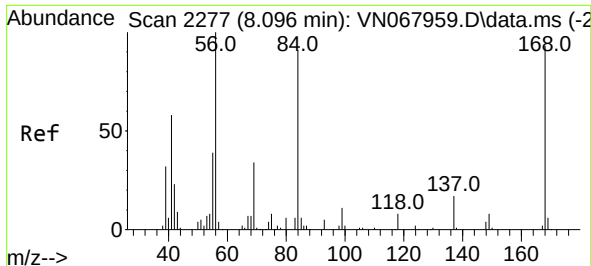
Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8



#18
Methyl Acetate
Concen: 0.93 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 43 Resp: 3697
Ion Ratio Lower Upper
43 100
74 10.4 17.4 26.0#

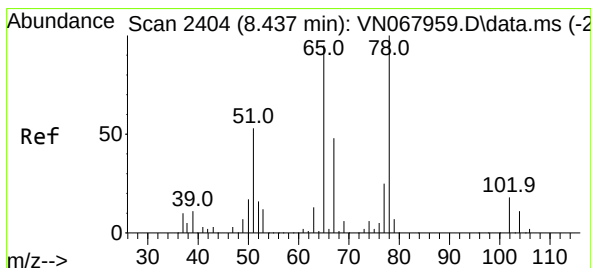
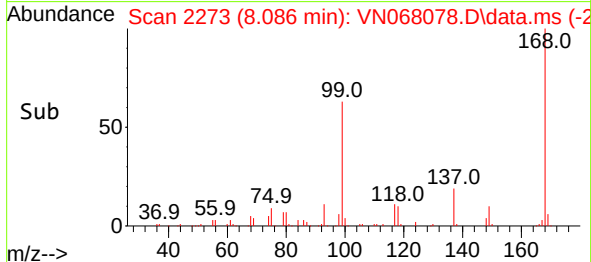
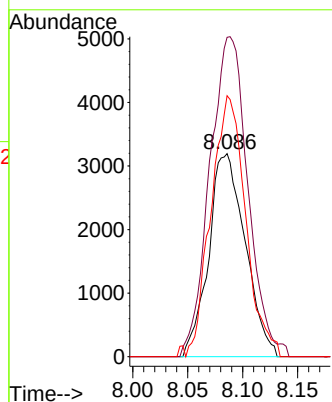
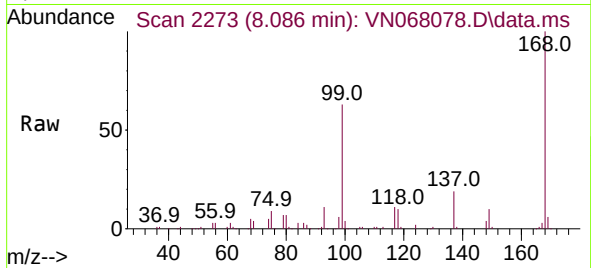




#31
Cyclohexane
Concen: 1.22 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

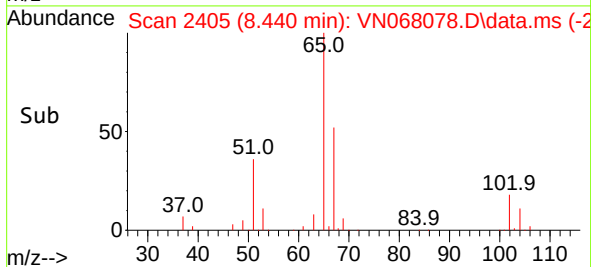
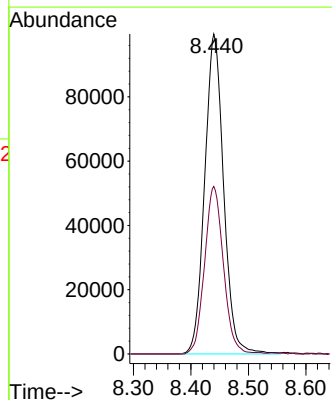
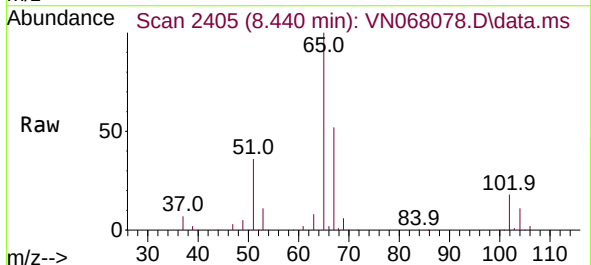
Instrument :
MSVOA_N
ClientSampled :

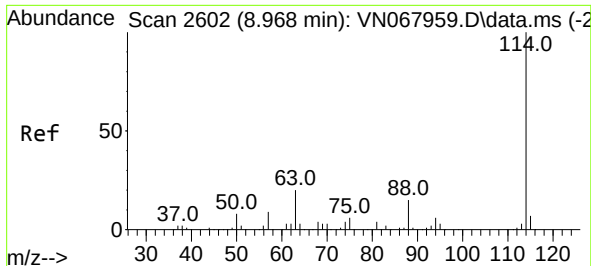
Tgt Ion: 56 Resp: 7384
Ion Ratio Lower Upper
56 100
69 157.2 27.3 40.9#
84 128.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 55.50 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 65 Resp: 228037
Ion Ratio Lower Upper
65 100
67 52.0 0.0 98.6

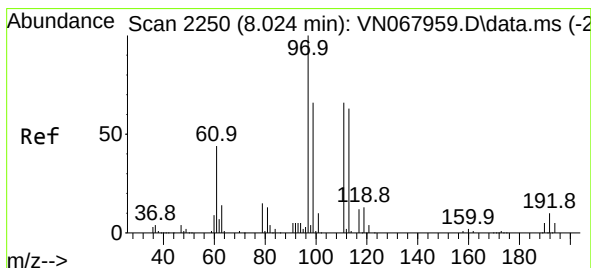
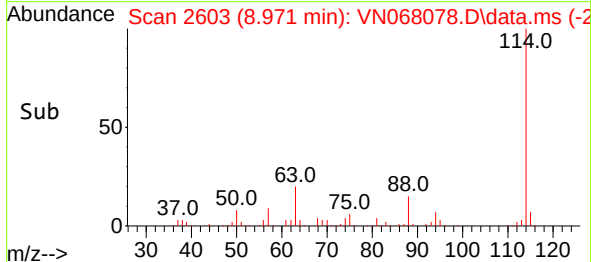
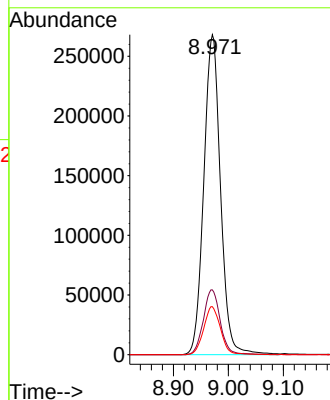
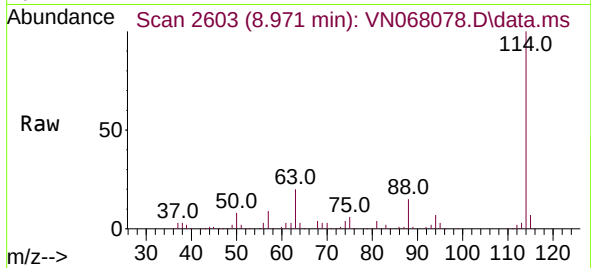




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

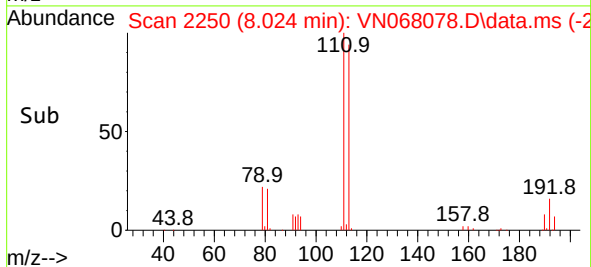
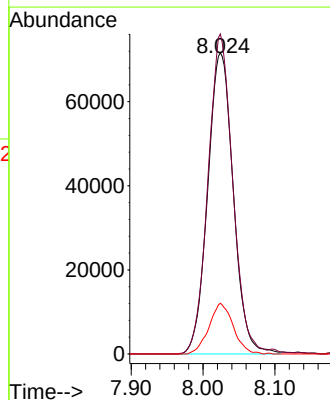
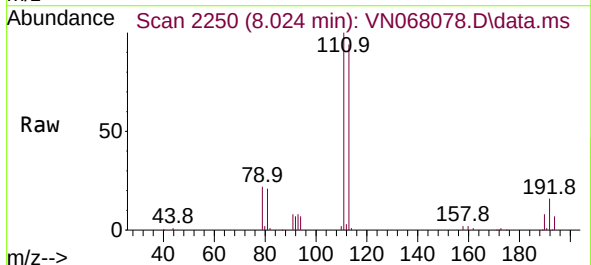
Instrument :
MSVOA_N
ClientSampled :

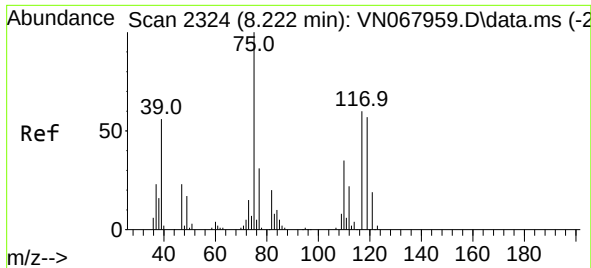
Tgt Ion:114 Resp: 566898
Ion Ratio Lower Upper
114 100
63 20.3 0.0 49.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.61 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion:113 Resp: 177125
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 16.0 13.4 20.0

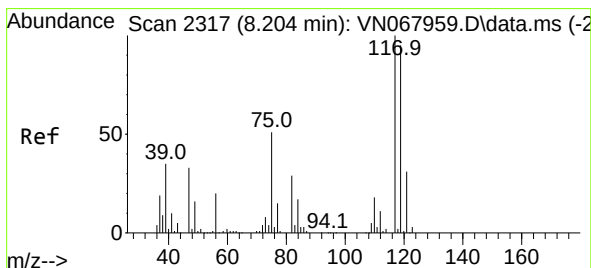
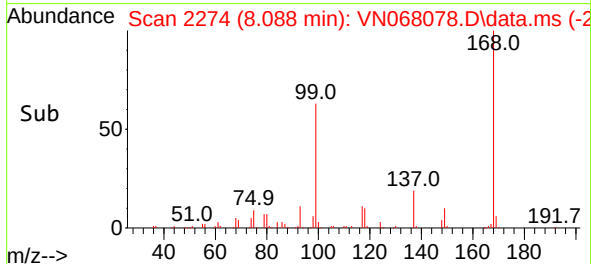
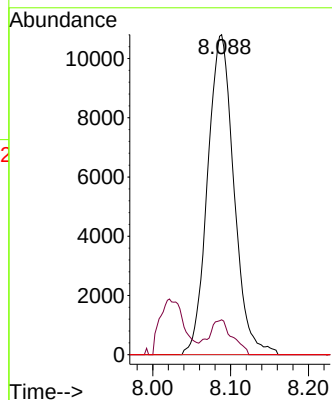
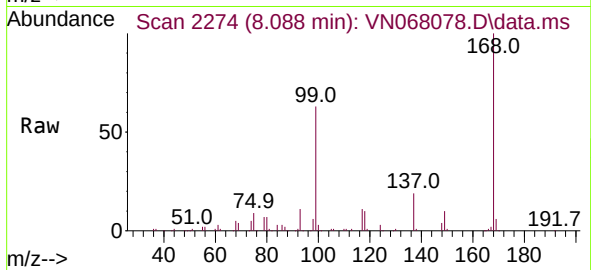




#36
 1,1-Dichloropropene
 Concen: 4.84 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.133 min
 Lab File: VN068078.D
 Acq: 11 Aug 2021 18:16

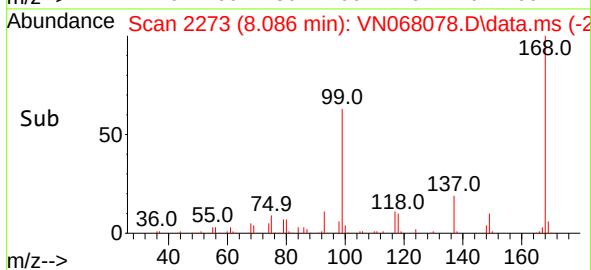
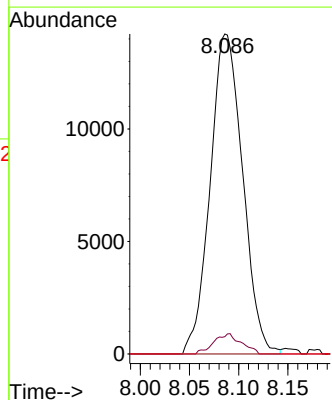
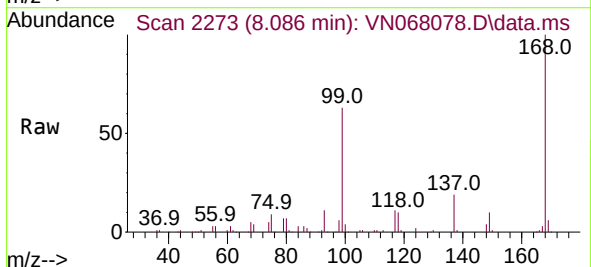
Instrument :
 MSVOA_N
 ClientSampled :

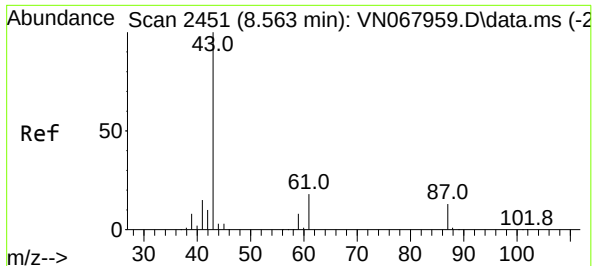
Tgt Ion: 75 Resp: 25362
 Ion Ratio Lower Upper
 75 100
 110 9.8 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.34 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.118 min
 Lab File: VN068078.D
 Acq: 11 Aug 2021 18:16

Tgt Ion: 117 Resp: 32676
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.4 113.2#
 121 0.0 23.5 35.3#

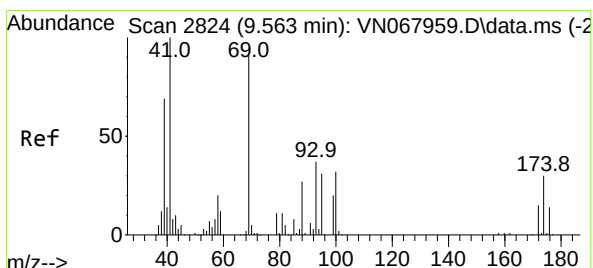
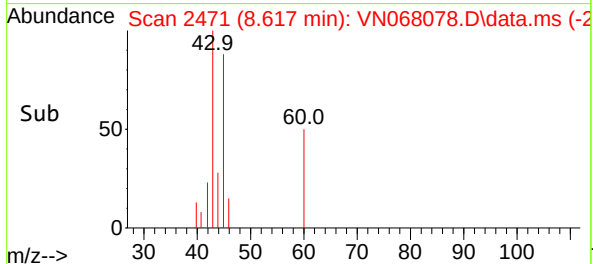
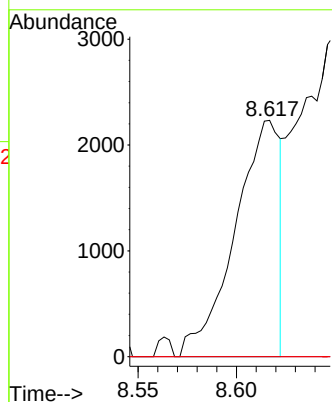
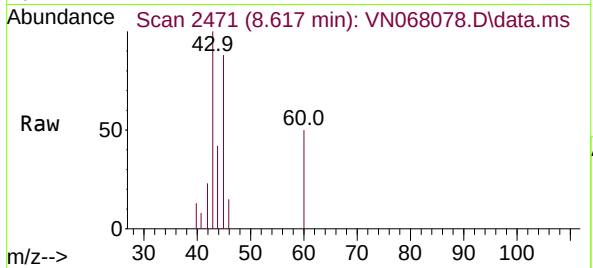




#43
Isopropyl Acetate
Concen: 0.43 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.054 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

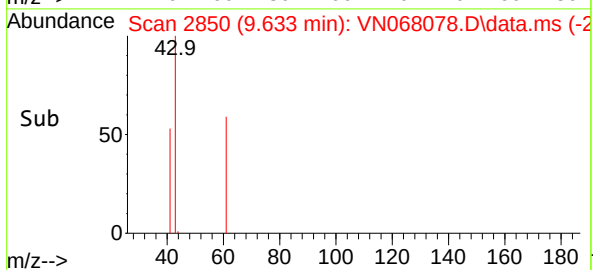
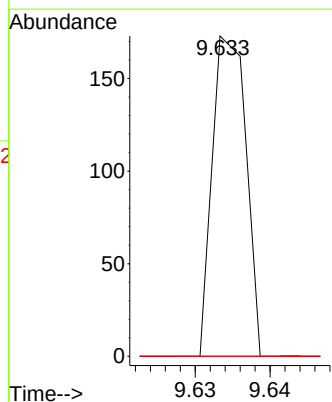
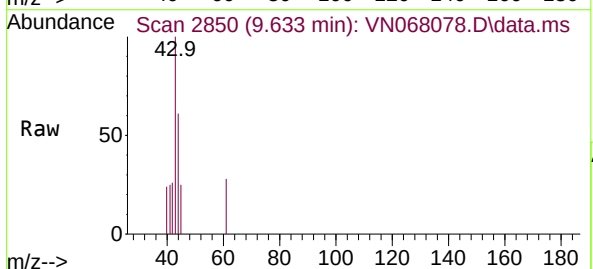
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MSVOA_N
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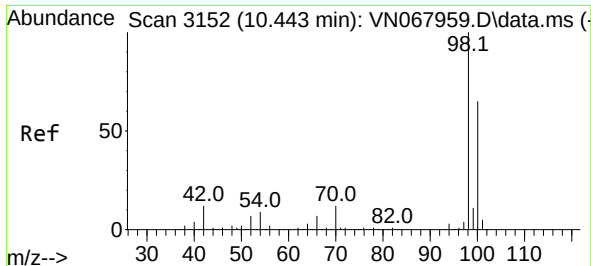
Tgt Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 2.32 ug/l
RT: 9.633 min Scan# 2850
Delta R.T. 0.070 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 41 Resp: 54
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

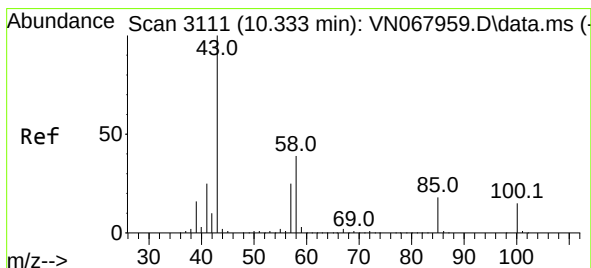
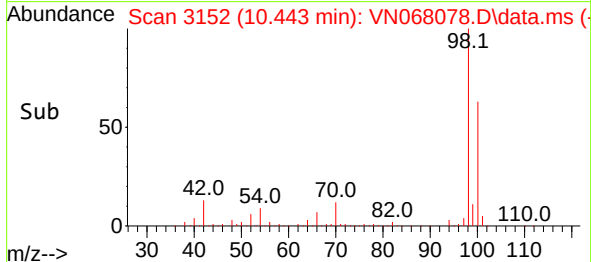
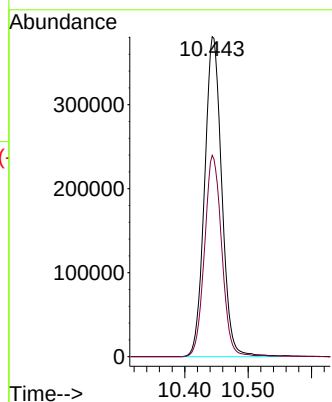
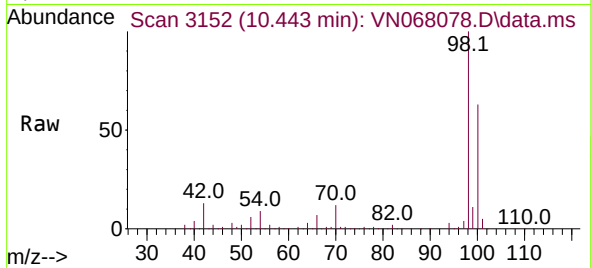




#50
Toluene-d8
Concen: 47.32 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

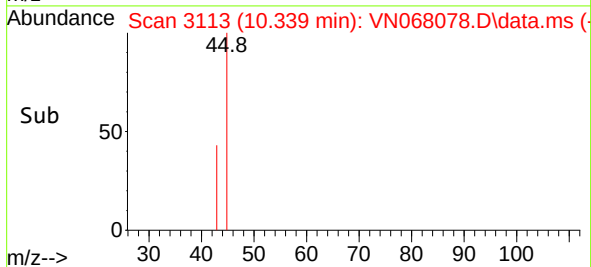
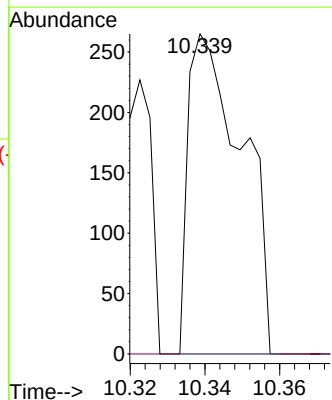
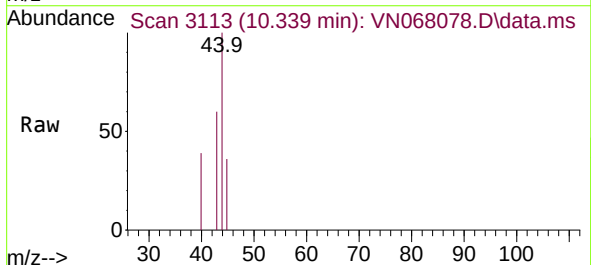
Instrument :
MSVOA_N
ClientSampled :

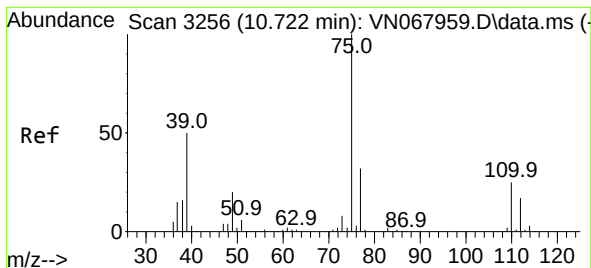
Tgt Ion: 98 Resp: 718013
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.61 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

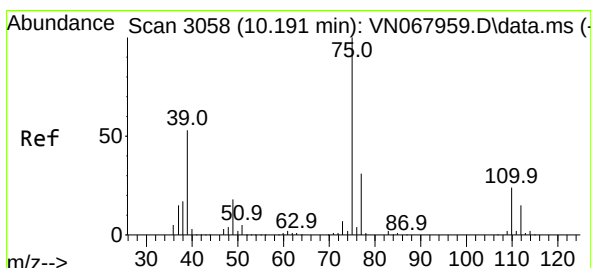
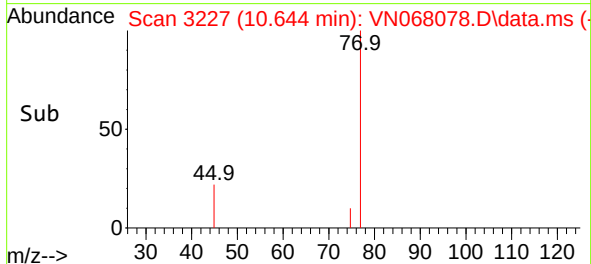
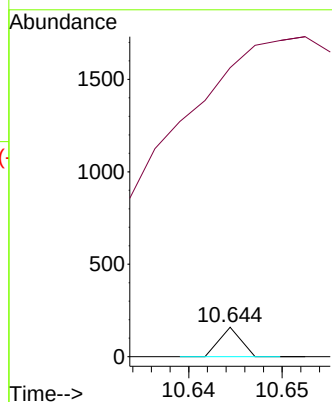
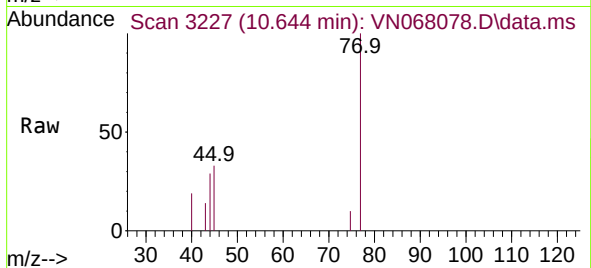




#53
 t-1,3-Dichloropropene
 Concen: 2.84 ug/l
 RT: 10.644 min Scan# 3227
 Delta R.T. -0.078 min
 Lab File: VN068078.D
 Acq: 11 Aug 2021 18:16

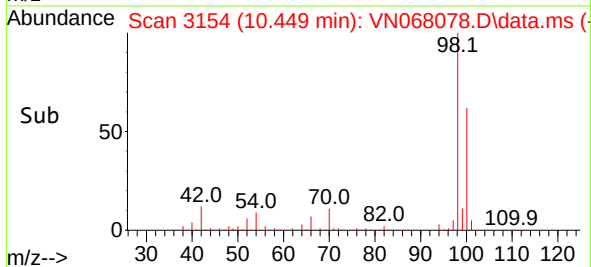
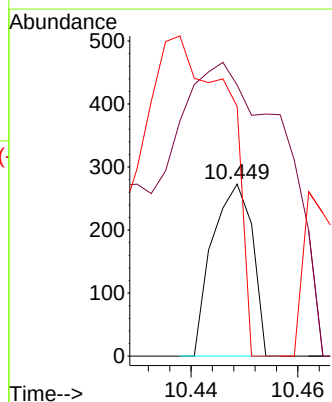
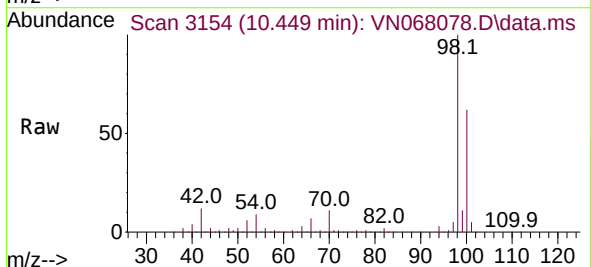
Instrument :
 MSVOA_N
 ClientSampled :

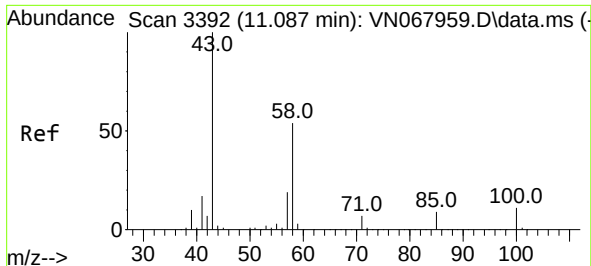
Tgt Ion: 75 Resp: 26
 Ion Ratio Lower Upper
 75 100
 77 183.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 2.37 ug/l
 RT: 10.449 min Scan# 3154
 Delta R.T. 0.258 min
 Lab File: VN068078.D
 Acq: 11 Aug 2021 18:16

Tgt Ion: 75 Resp: 143
 Ion Ratio Lower Upper
 75 100
 77 20.9 24.6 37.0#
 39 145.1 50.7 76.1#

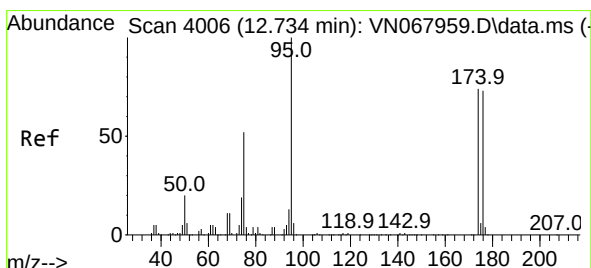
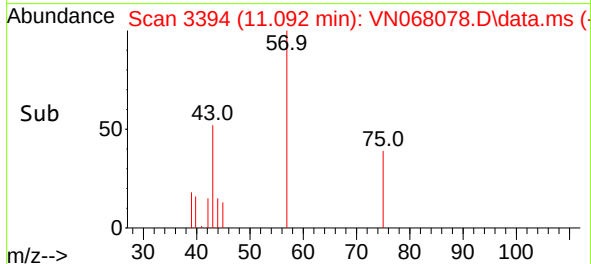
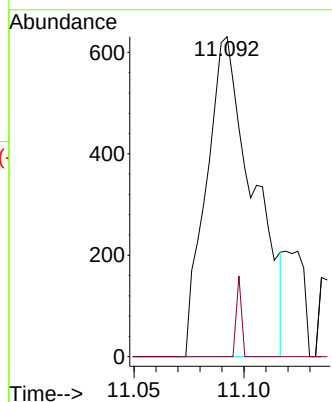
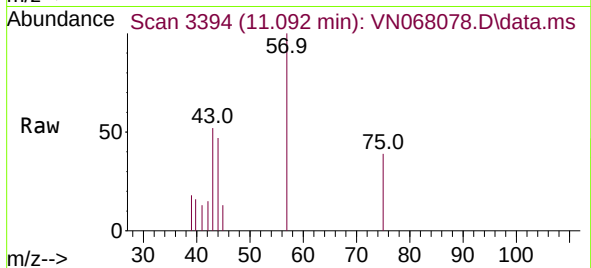




#59
2-Hexanone
Concen: 13.50 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

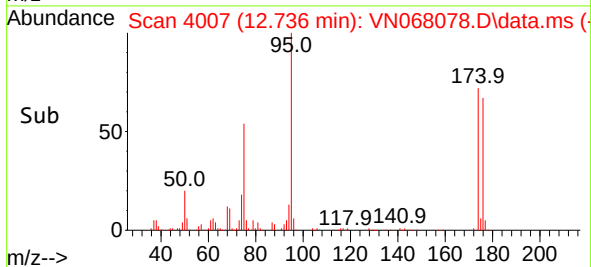
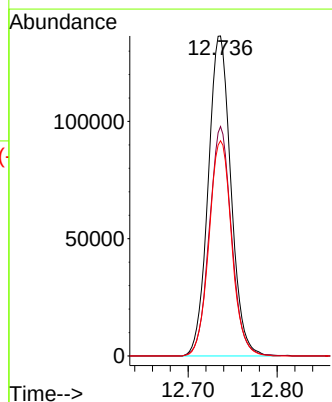
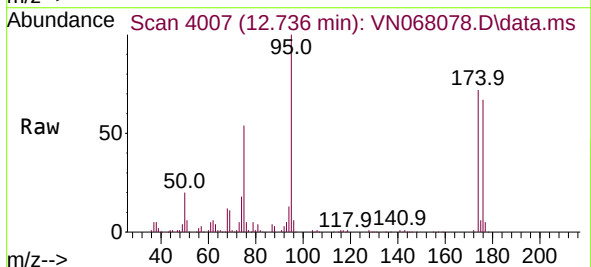
Instrument :
MSVOA_N
ClientSampled :

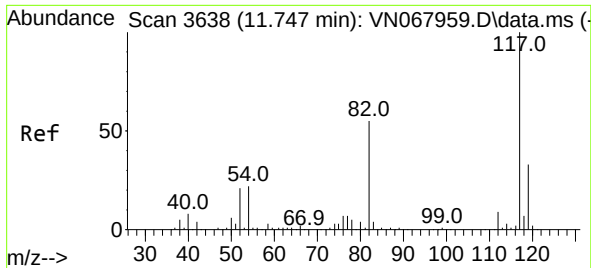
Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
58 2.8 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 44.05 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 95 Resp: 242157
Ion Ratio Lower Upper
95 100
174 70.2 0.0 122.0
176 67.1 0.0 117.6

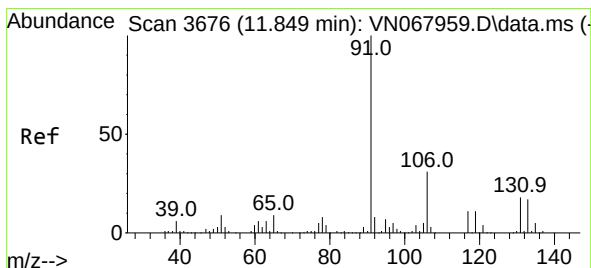
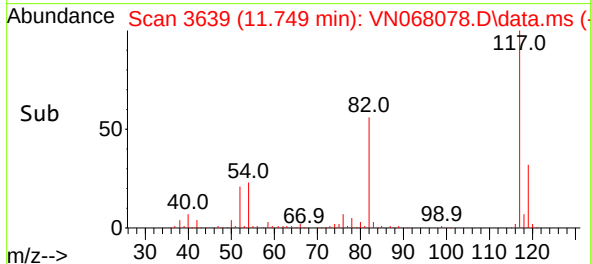
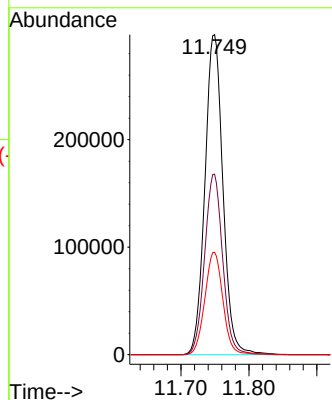
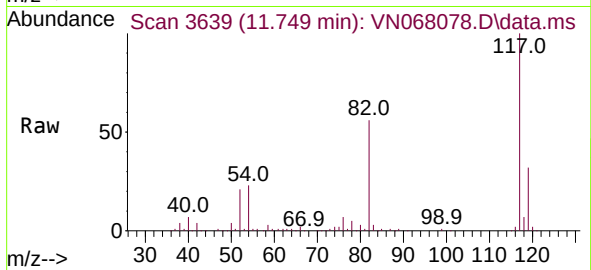




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

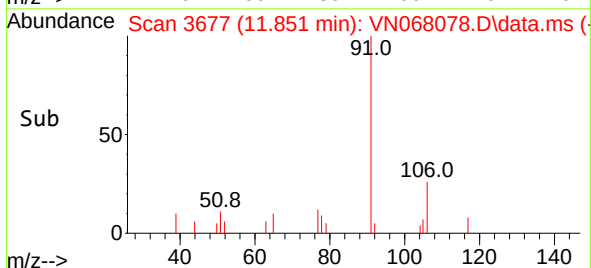
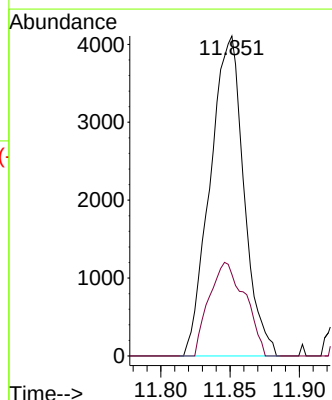
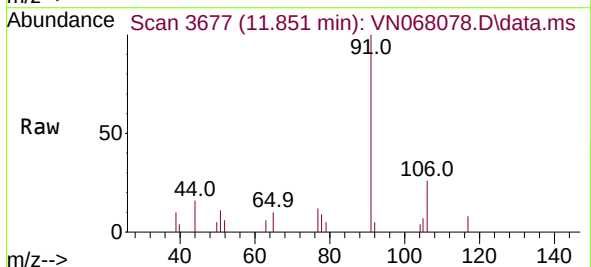
Instrument :
MSVOA_N
ClientSampled :

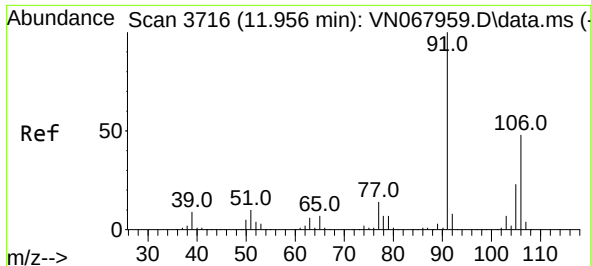
Tgt Ion:117 Resp: 549109
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 32.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.35 ug/l
RT: 11.851 min Scan# 3677
Delta R.T. 0.002 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 91 Resp: 6971
Ion Ratio Lower Upper
91 100
106 25.5 23.4 35.0

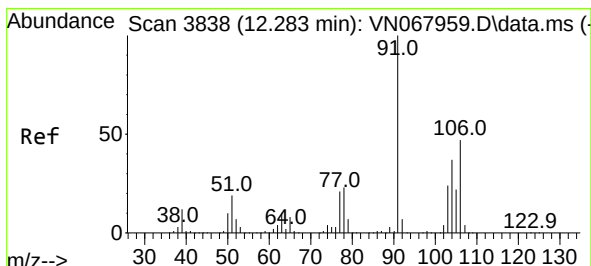
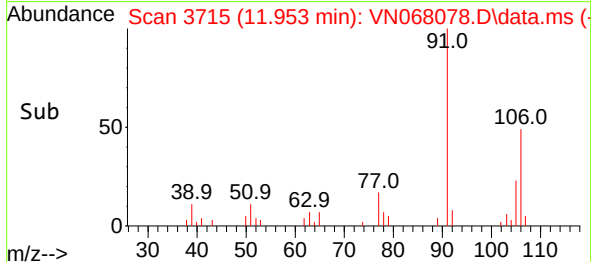
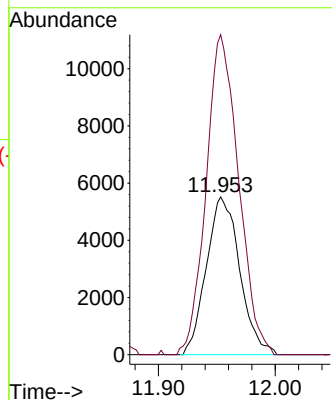
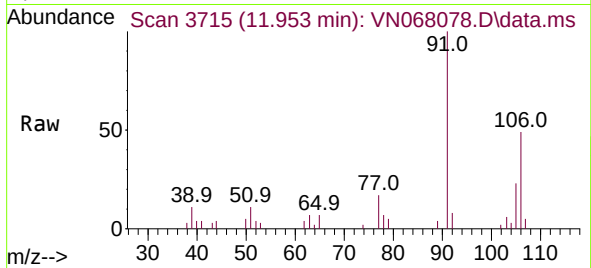




#68
m/p-Xylenes
Concen: 5.27 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

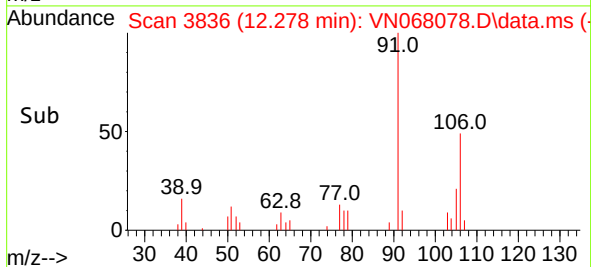
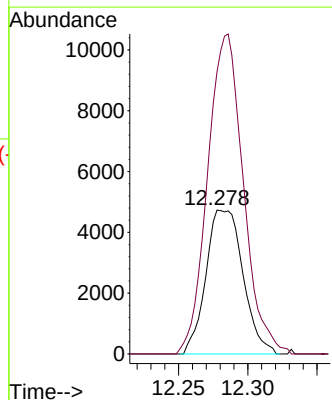
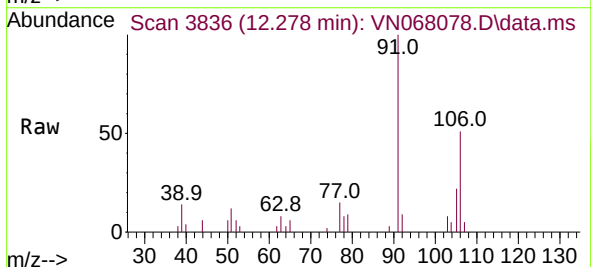
Instrument :
MSVOA_N
ClientSampled :

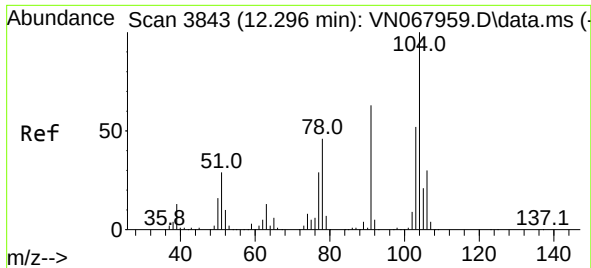
Tgt Ion:106 Resp: 10962
Ion Ratio Lower Upper
106 100
91 197.1 180.6 270.8



#69
o-Xylene
Concen: 1.21 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.005 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion:106 Resp: 8821
Ion Ratio Lower Upper
106 100
91 214.1 118.3 354.9

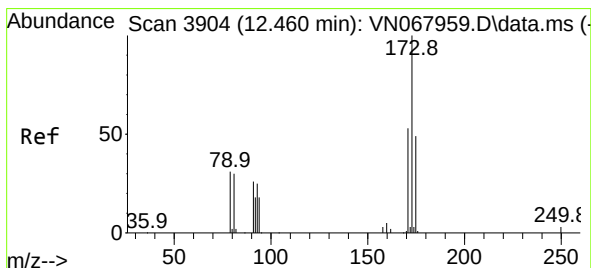
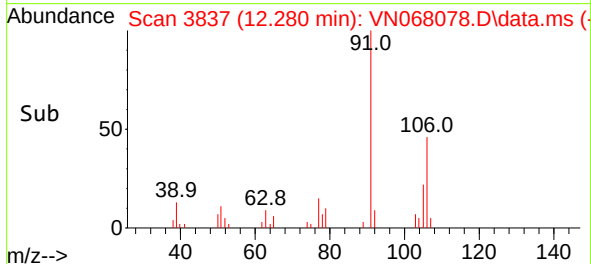
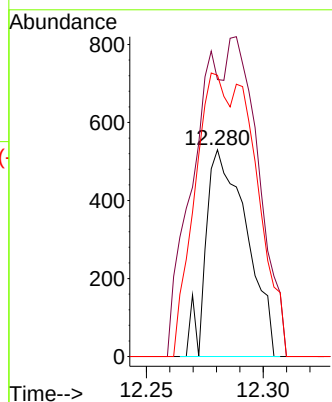
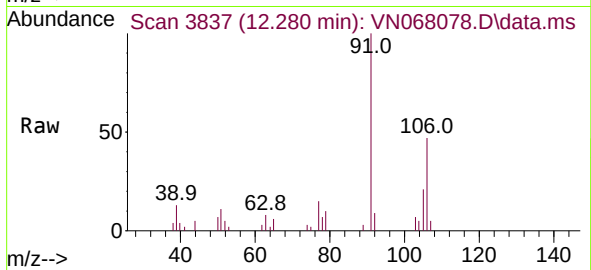




#70
Styrene
Concen: 2.67 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.016 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

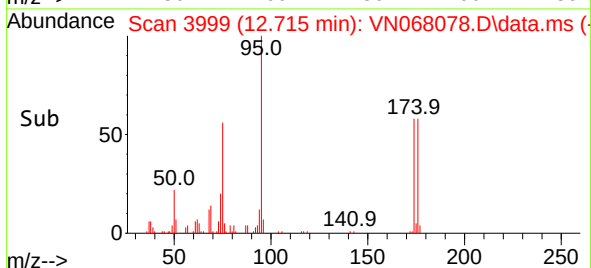
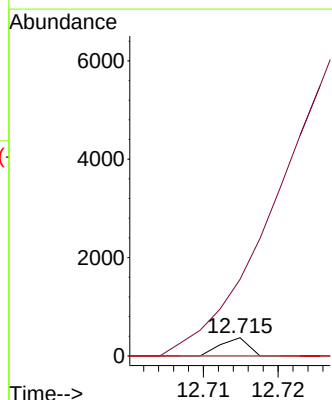
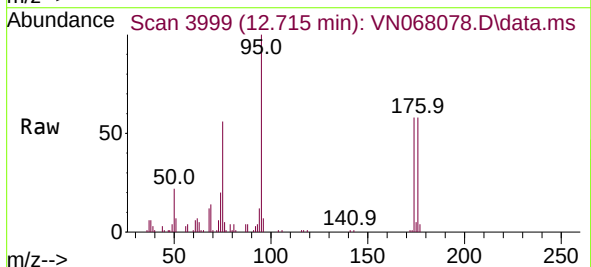
Instrument :
MSVOA_N
ClientSampled :

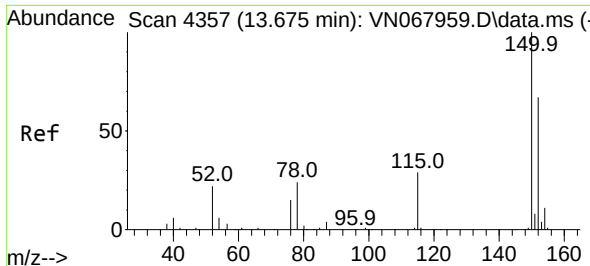
Tgt Ion:104 Resp: 646
Ion Ratio Lower Upper
104 100
78 119.3 48.2 72.2#
103 117.0 44.5 66.7#



#71
Bromoform
Concen: 4.06 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion:173 Resp: 96
Ion Ratio Lower Upper
173 100
175 12728.1 23.9 71.8#
254 0.0 0.0 0.0

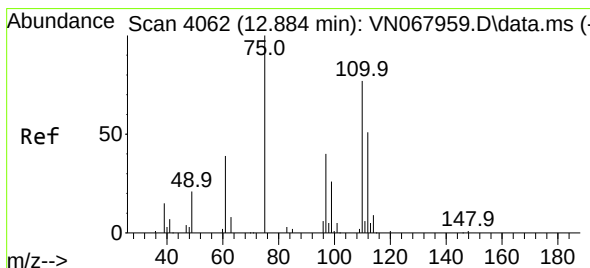
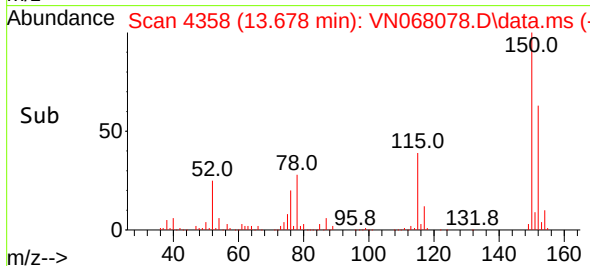
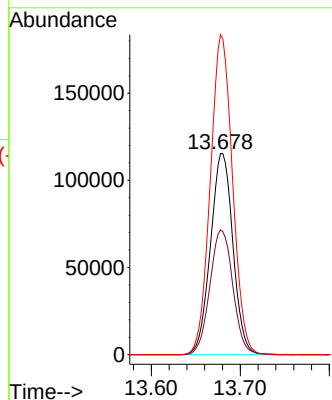
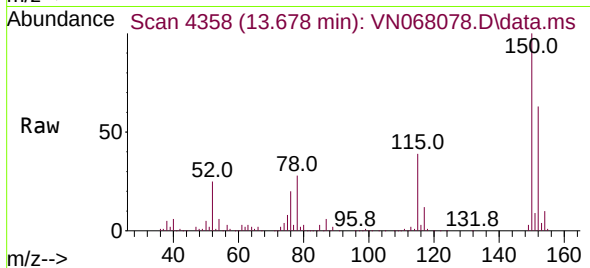




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068078.D
 Acq: 11 Aug 2021 18:16

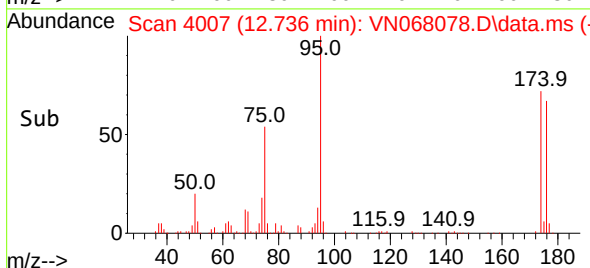
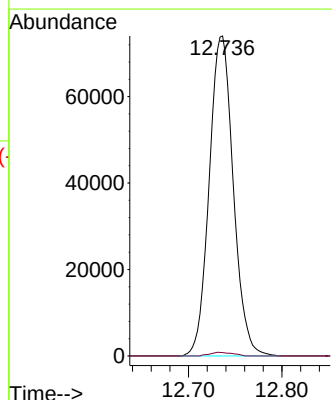
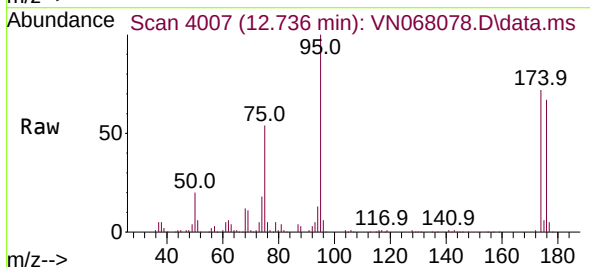
Instrument :
 MSVOA_N
 ClientSampled :

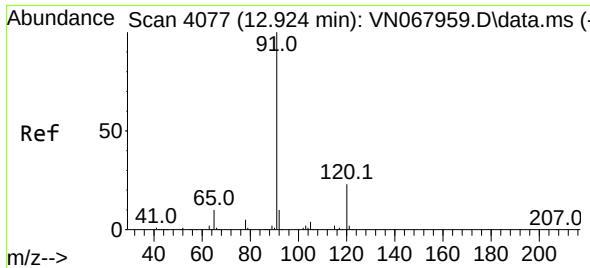
Tgt Ion:152 Resp: 202335
 Ion Ratio Lower Upper
 152 100
 115 63.5 36.1 108.5
 150 157.1 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.60 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. -0.148 min
 Lab File: VN068078.D
 Acq: 11 Aug 2021 18:16

Tgt Ion: 75 Resp: 132477
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

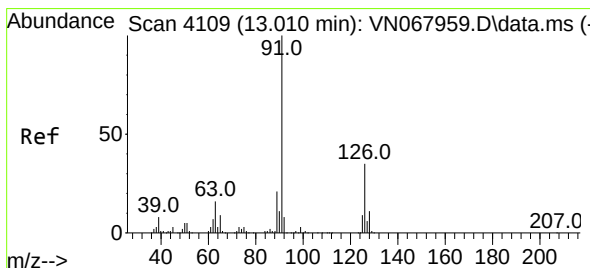
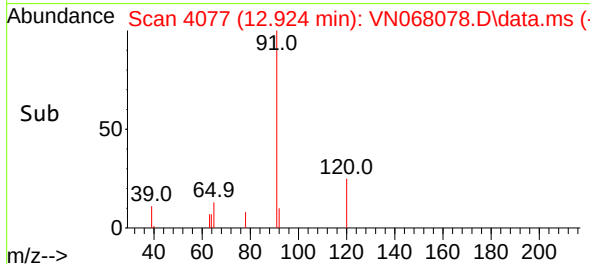
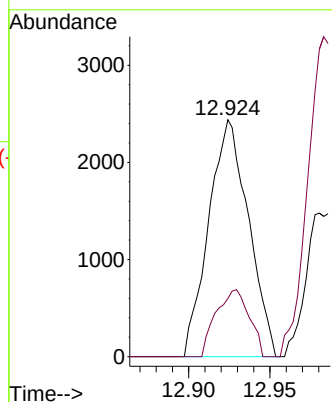
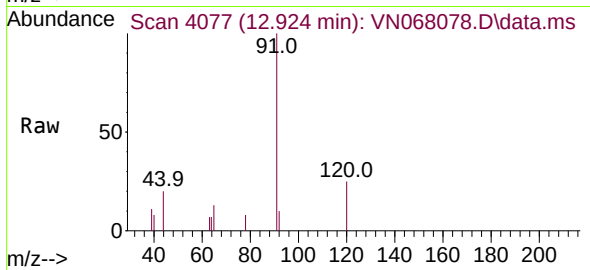




#78
n-propylbenzene
Concen: 0.22 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.000 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

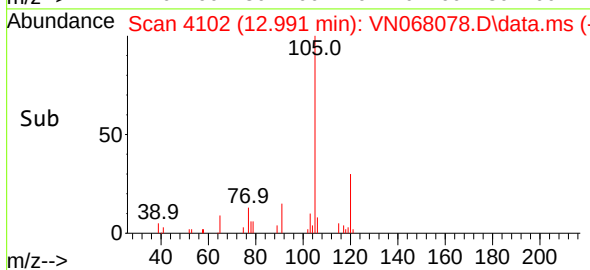
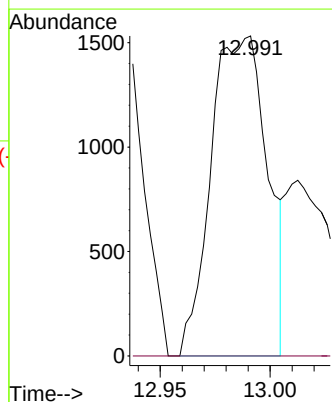
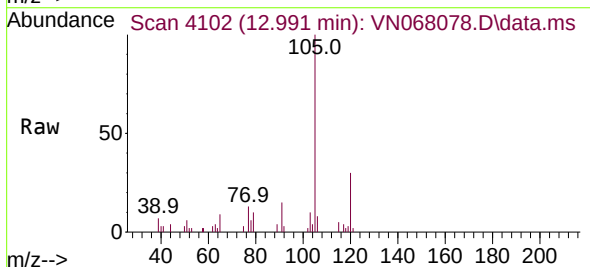
Instrument :
MSVOA_N
ClientSampled :

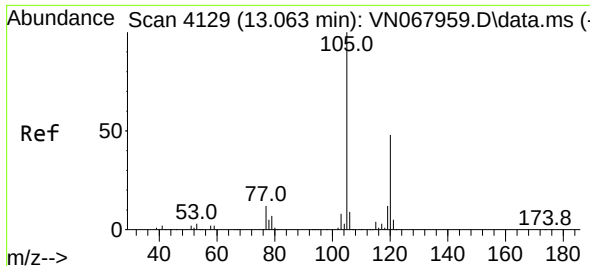
Tgt Ion: 91 Resp: 4147
Ion Ratio Lower Upper
91 100
120 23.5 10.4 31.4



#79
2-Chlorotoluene
Concen: 0.24 ug/l
RT: 12.991 min Scan# 4102
Delta R.T. -0.019 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 91 Resp: 2726
Ion Ratio Lower Upper
91 100
126 0.0 14.5 43.5#

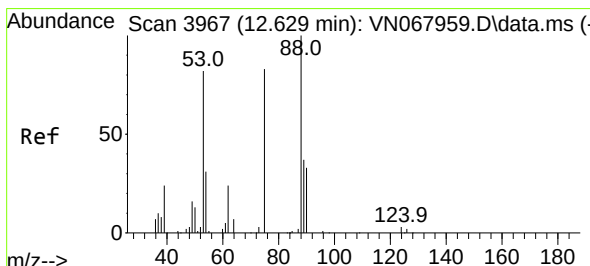
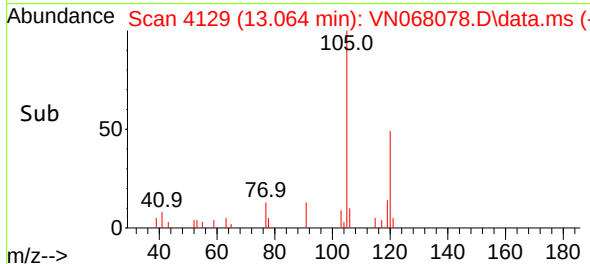
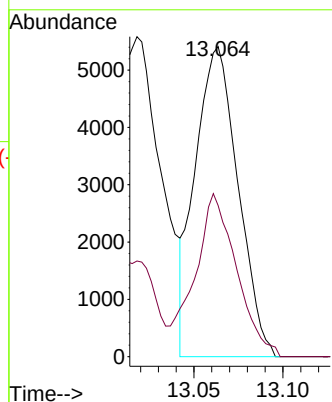
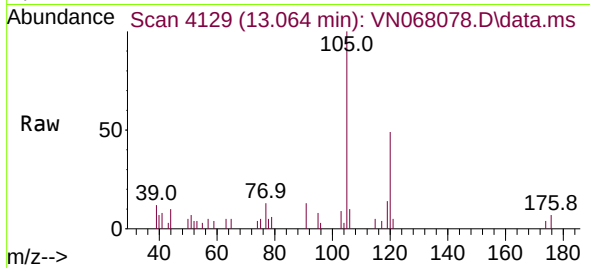




#80
1,3,5-Trimethylbenzene
Concen: 0.68 ug/l
RT: 13.064 min Scan# 4129
Delta R.T. 0.001 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

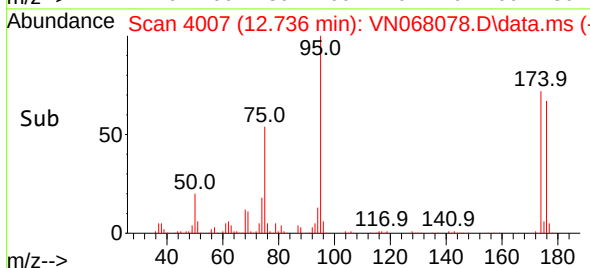
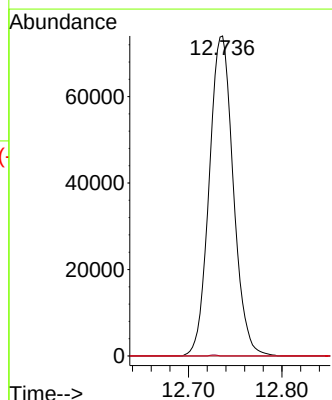
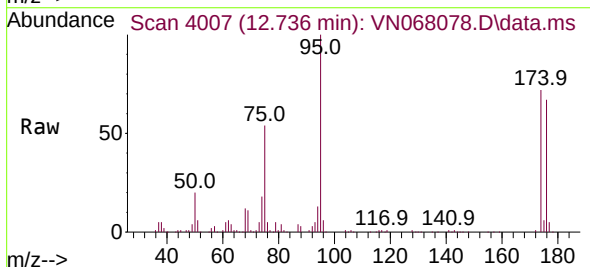
Instrument :
MSVOA_N
ClientSampled :

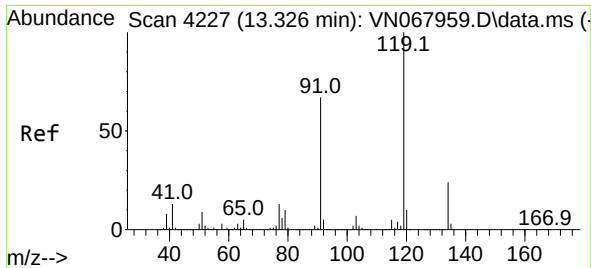
Tgt Ion:105 Resp: 9045
Ion Ratio Lower Upper
105 100
120 51.0 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 87.54 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion: 75 Resp: 132477
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

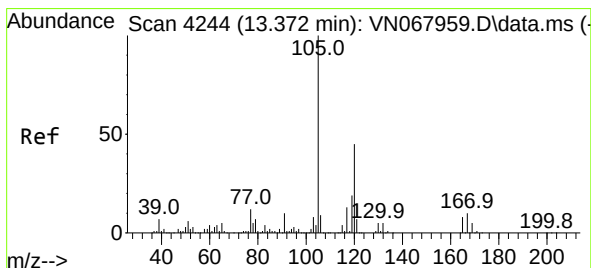
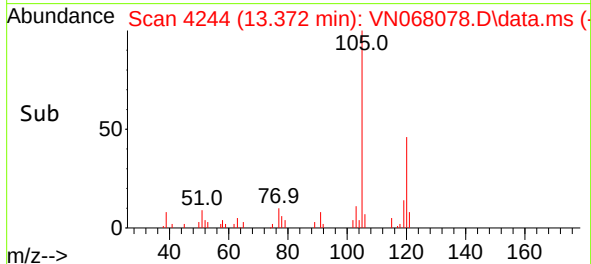
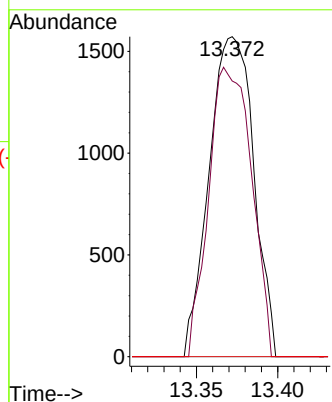
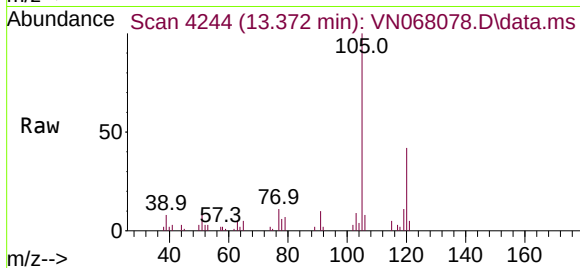




#83
tert-Butylbenzene
Concen: 0.27 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.046 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

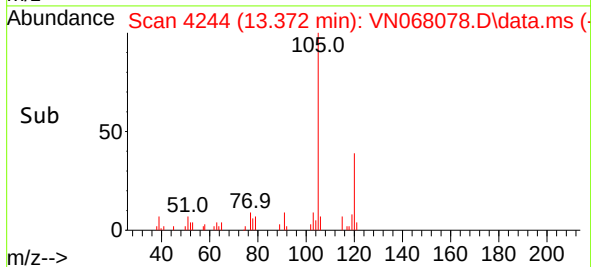
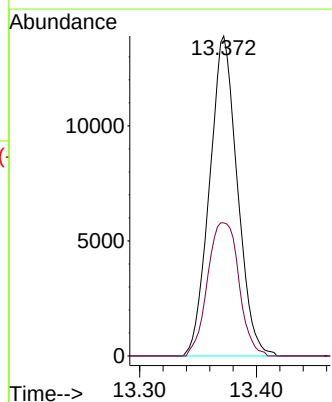
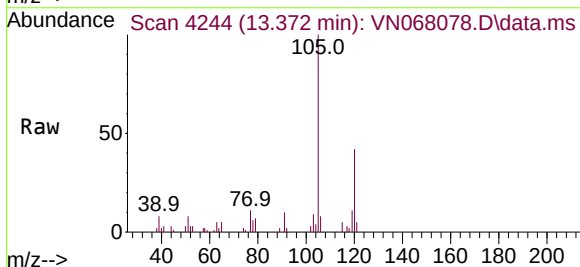
Instrument :
MSVOA_N
ClientSampled :

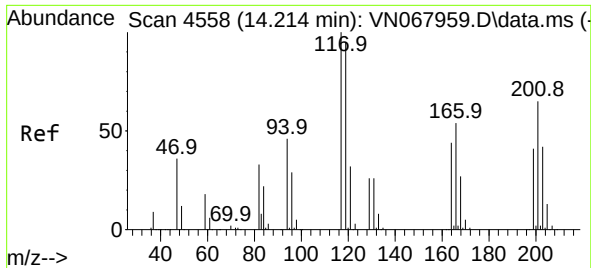
Tgt Ion	Ratio	Lower	Upper
119	100		
91	86.7	39.5	118.5
134	0.0	12.0	36.0



#84
1,2,4-Trimethylbenzene
Concen: 1.77 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. -0.000 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	20.6	61.8

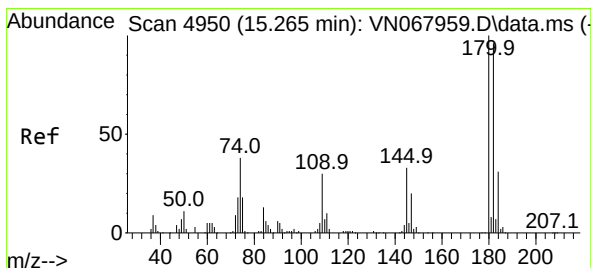
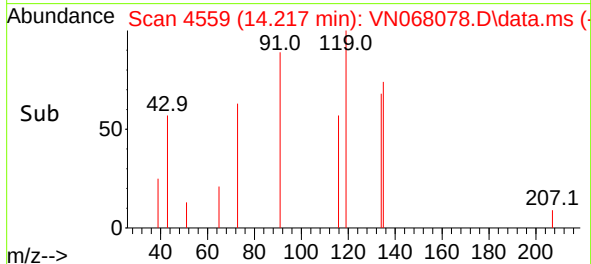
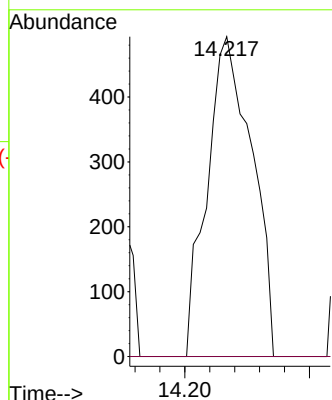
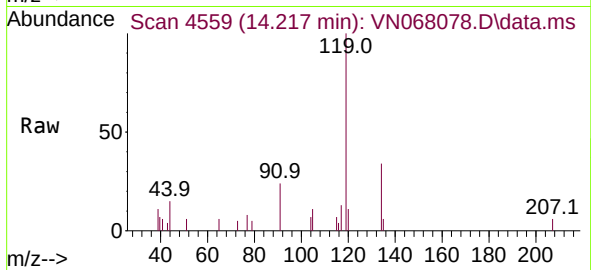




#90
Hexachloroethane
Concen: 0.29 ug/l
RT: 14.217 min Scan# 4559
Delta R.T. 0.003 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

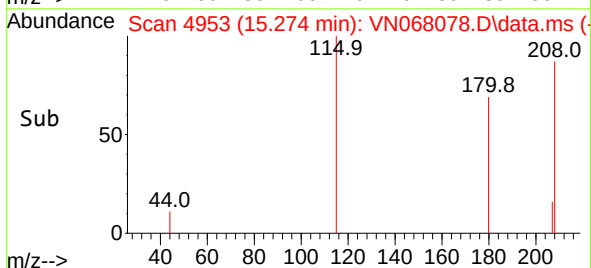
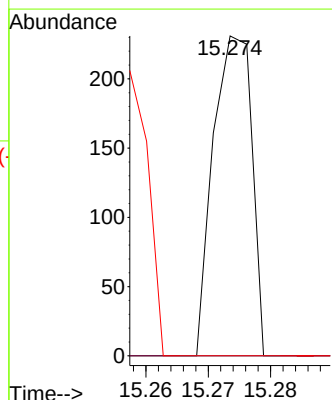
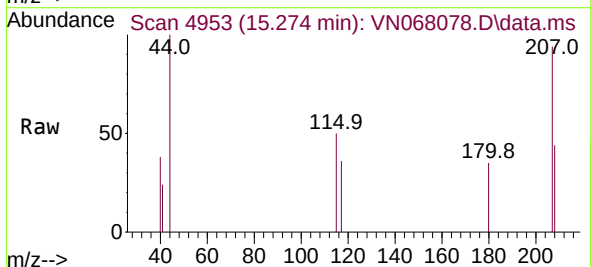
Instrument :
MSVOA_N
ClientSampled :

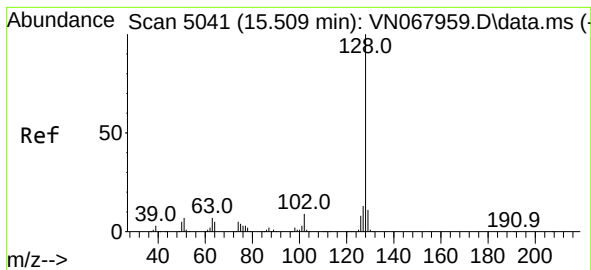
Tgt Ion:117 Resp: 616
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.50 ug/l
RT: 15.274 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

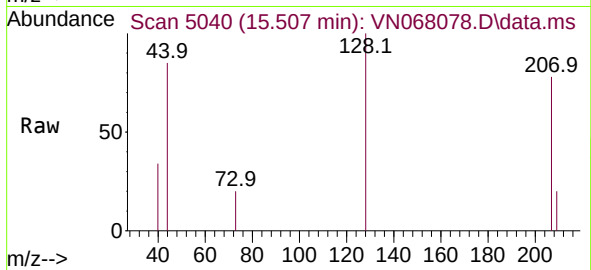
Tgt Ion:180 Resp: 99
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 87.9 17.2 51.6#





#95
Naphthalene
Concen: 3.26 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068078.D
Acq: 11 Aug 2021 18:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1269
Ion Ratio Lower Upper
128 100
127 2.0 10.6 15.8#
129 4.2 8.6 12.8#

