

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068084.D
 Acq On : 12 Aug 2021 12:09
 Operator : JC/MD
 Sample : VN0812WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:40:18 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)

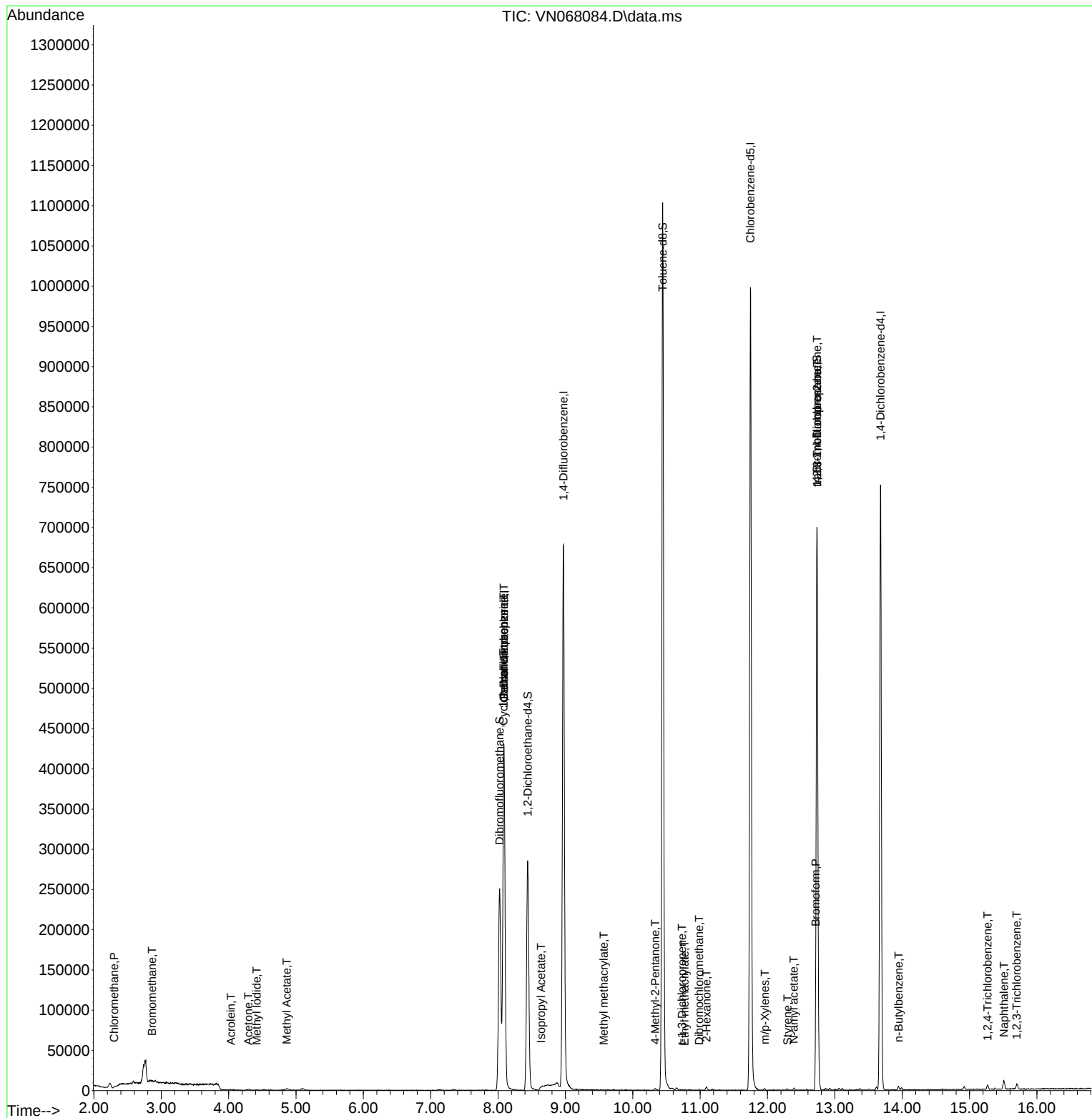
Internal Standards						
1) Pentafluorobenzene	8.086	168	316077	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	602366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	589244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	194307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	241686	54.013	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.020%			
35) Dibromofluoromethane	8.024	113	182777	52.066	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.140%			
50) Toluene-d8	10.443	98	767332	47.566	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.140%			
62) 4-Bromofluorobenzene	12.734	95	250411	43.001	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.000%			
Target Compounds			Qvalue			
3) Chloromethane	2.301	50	889	0.221	ug/l	# 85
5) Bromomethane	2.864	94	1623	0.290	ug/l	# 36
10) Methyl Iodide	4.417	142	291	3.186	ug/l	# 33
13) Acrolein	4.036	56	307	0.755	ug/l	95
16) Acetone	4.293	43	1127	0.690	ug/l	# 57
18) Methyl Acetate	4.862	43	3938	0.903	ug/l	# 66
20) Methylene Chloride	5.090	84	921	Below Cal	#	91
31) Cyclohexane	8.080	56	7668	1.162	ug/l	# 11
36) 1,1-Dichloropropene	8.083	75	27516	4.938	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	34528	6.301	ug/l	# 18
43) Isopropyl Acetate	8.641	43	2744	0.314	ug/l	# 58
48) Methyl methacrylate	9.569	41	48	2.315	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.333	43	1879	12.847	ug/l	# 69
53) t-1,3-Dichloropropene	10.730	75	122	2.849	ug/l	# 78
56) Ethyl methacrylate	10.770	69	54	3.105	ug/l	# 1
59) 2-Hexanone	11.095	43	3140	13.943	ug/l	94
60) Dibromochloromethane	10.985	129	51	3.312	ug/l	# 11
68) m/p-Xylenes	11.961	106	587	4.123	ug/l	# 62
70) Styrene	12.299	104	570	2.667	ug/l	# 83
71) Bromoform	12.715	173	153	4.068	ug/l	# 29
74) N-amyl acetate	12.390	43	1733	0.315	ug/l	# 54
76) 1,2,3-Trichloropropane	12.736	75	135790	34.798	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	135790	93.194	ug/l	# 6
89) n-Butylbenzene	13.946	91	3049	0.299	ug/l	90
93) 1,2,4-Trichlorobenzene	15.268	180	2086	3.169	ug/l	91
95) Naphthalene	15.512	128	9451	4.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	2378	3.215	ug/l	93

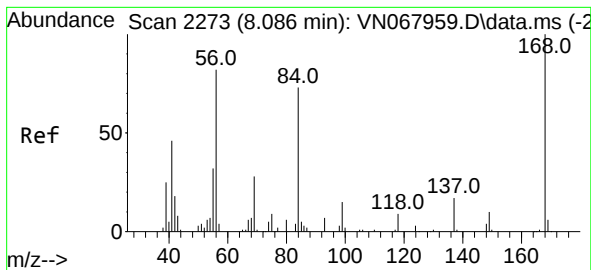
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
Data File : VN068084.D
Acq On : 12 Aug 2021 12:09
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

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MSVOA_N
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Quant Time: Aug 13 05:40:18 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

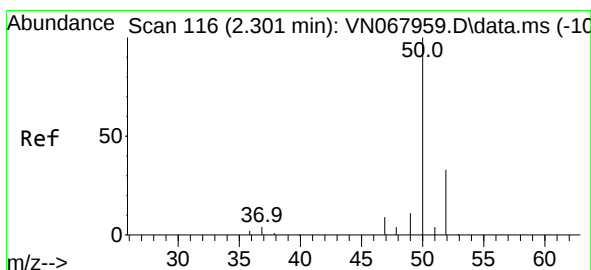
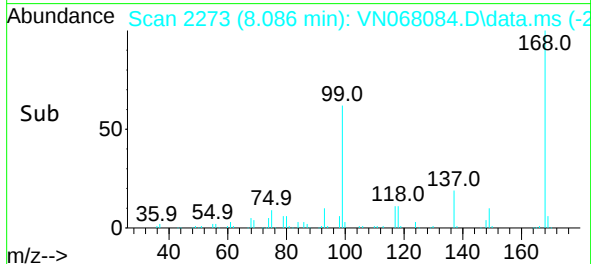
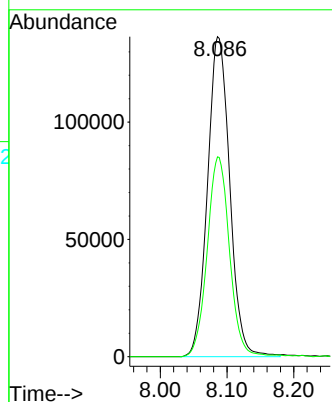
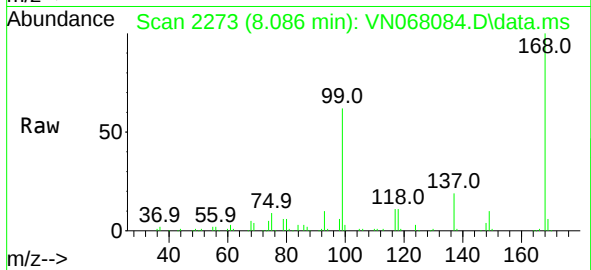




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

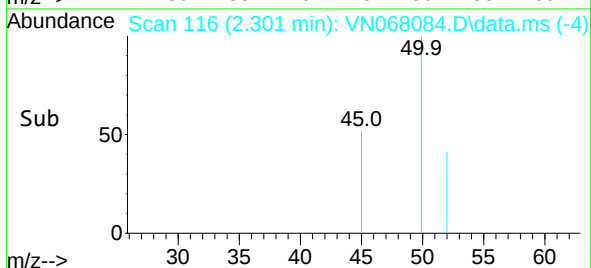
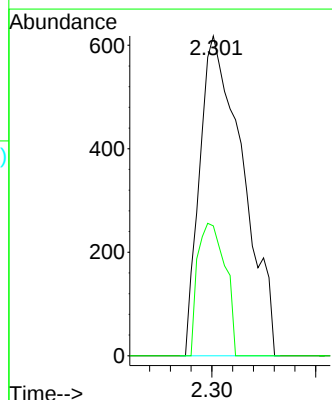
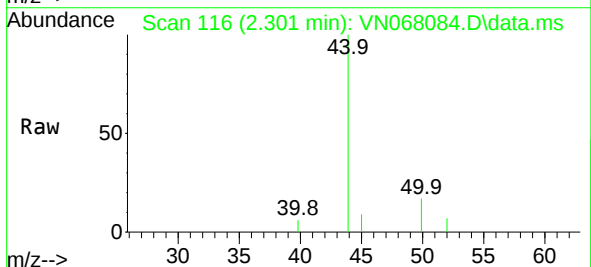
Instrument :
MSVOA_N
ClientSampleId :

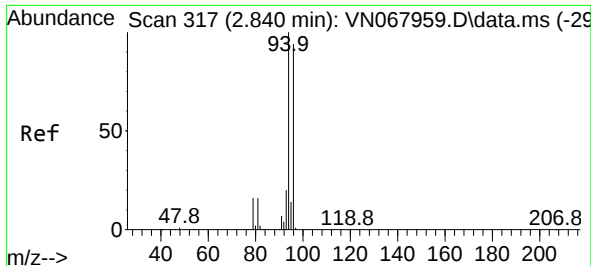
Tgt Ion:168 Resp: 316077
Ion Ratio Lower Upper
168 100
99 62.5 62.9 94.3#



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

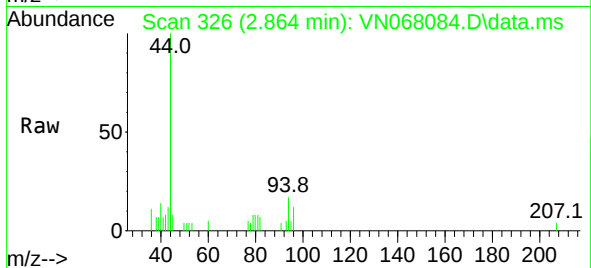
Tgt Ion: 50 Resp: 889
Ion Ratio Lower Upper
50 100
52 40.6 25.6 38.4#



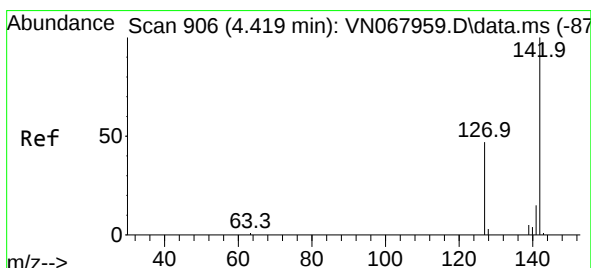
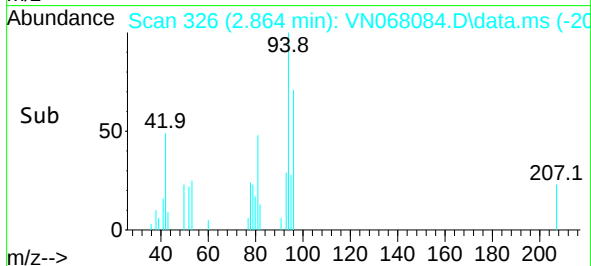
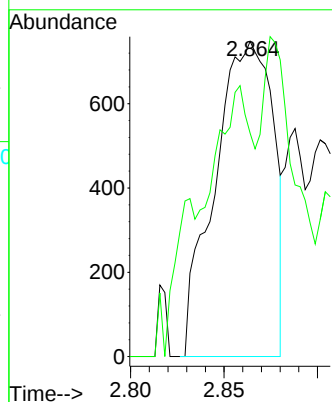


#5
Bromomethane
Concen: 0.290 ug/l
RT: 2.864 min Scan# 326
Delta R.T. 0.024 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Instrument :
MSVOA_N
ClientSampled :

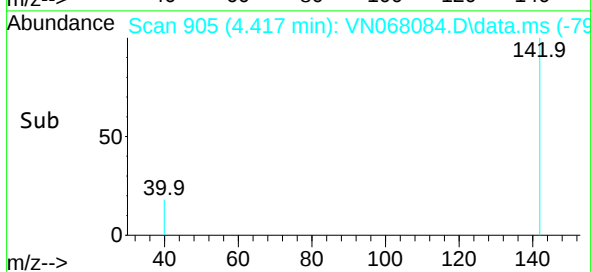
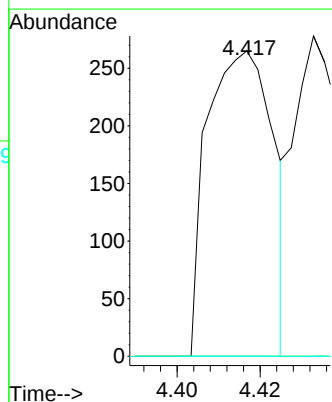
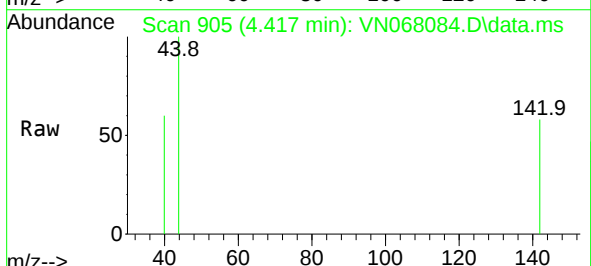


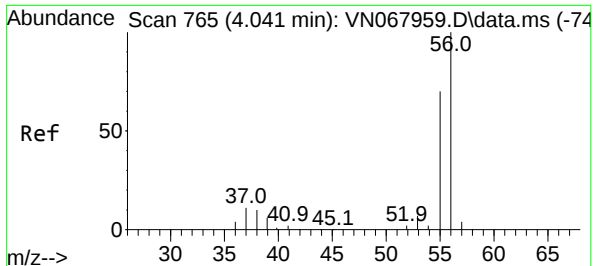
Tgt Ion: 94 Resp: 1623
Ion Ratio Lower Upper
94 100
96 31.3 73.7 110.5#



#10
Methyl Iodide
Concen: 3.186 ug/l
RT: 4.417 min Scan# 905
Delta R.T. -0.002 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

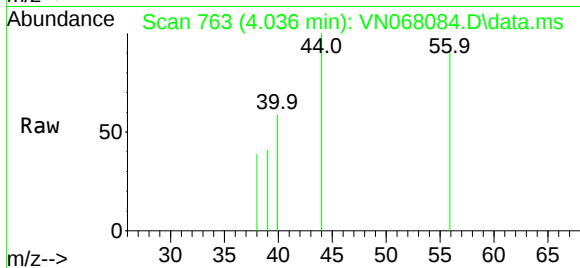
Tgt Ion: 142 Resp: 291
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



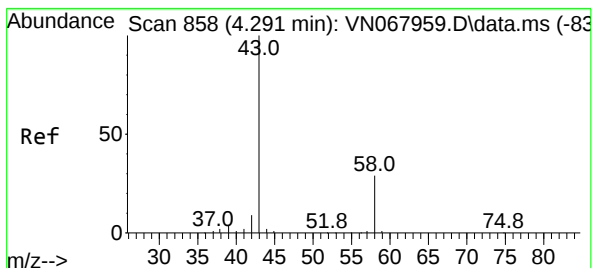
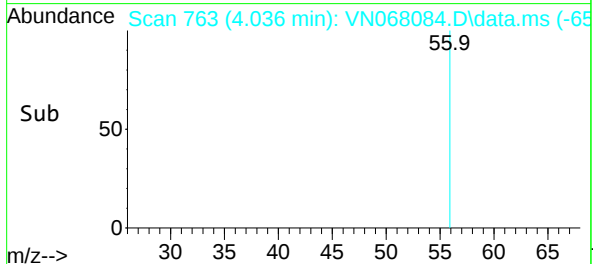
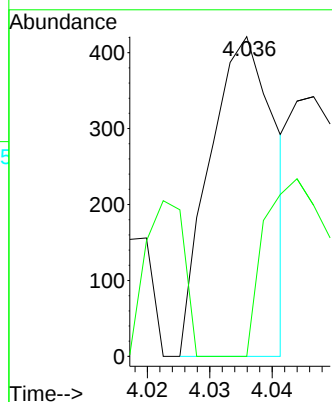


#13
Acrolein
Concen: 0.755 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Instrument :
MSVOA_N
ClientSampled :

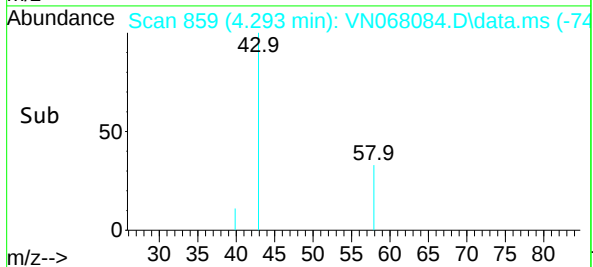
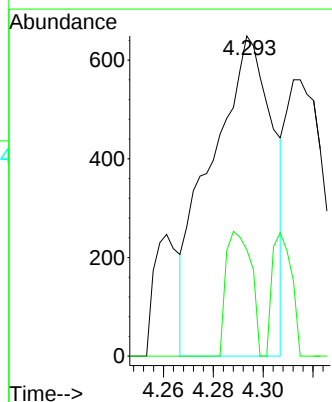
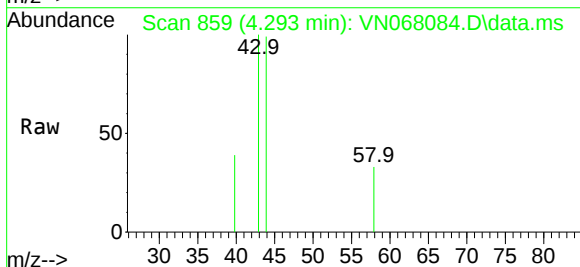


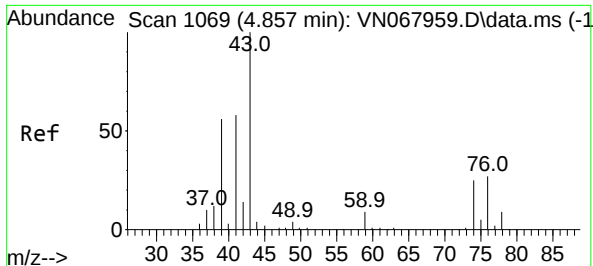
Tgt Ion: 56 Resp: 307
Ion Ratio Lower Upper
56 100
55 67.4 57.4 86.0



#16
Acetone
Concen: 0.690 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
58 48.8 21.2 31.8#





#18

Methyl Acetate

Concen: 0.903 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.005 min

Lab File: VN068084.D

Acq: 12 Aug 2021 12:09

Tgt Ion: 43 Resp: 3938

Ion Ratio Lower Upper

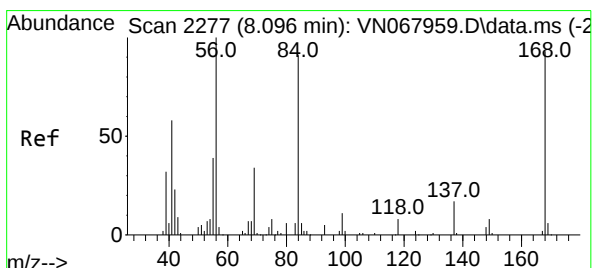
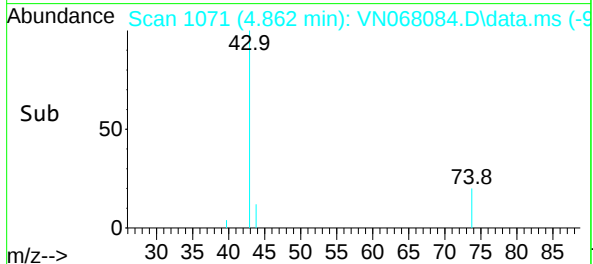
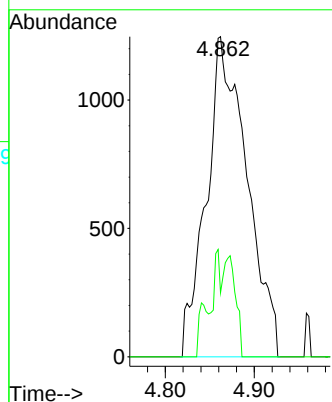
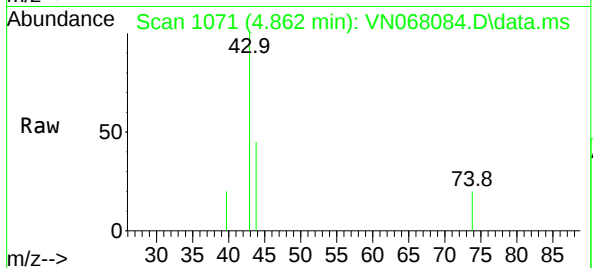
43 100

74 5.8 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.016 min

Lab File: VN068084.D

Acq: 12 Aug 2021 12:09

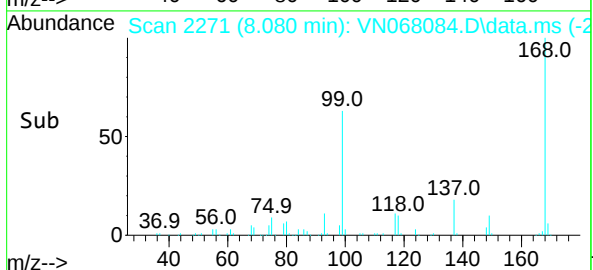
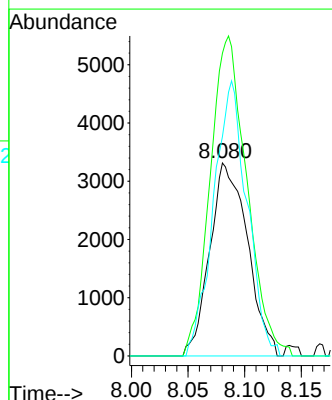
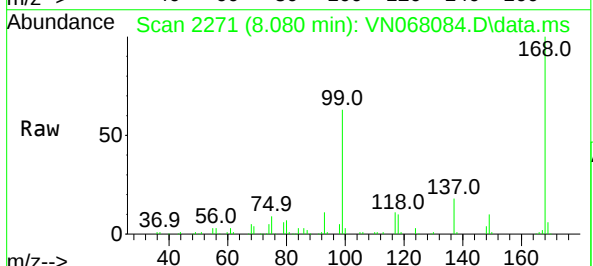
Tgt Ion: 56 Resp: 7668

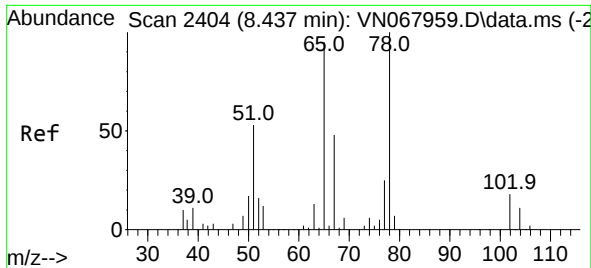
Ion Ratio Lower Upper

56 100

69 156.8 27.3 40.9#

84 113.6 64.9 97.3#

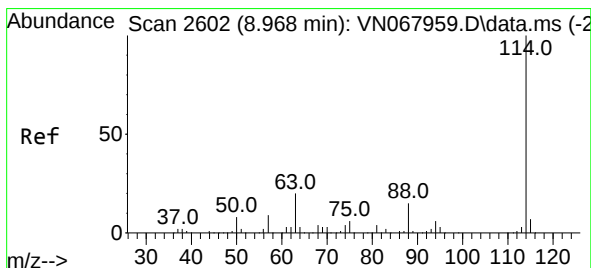
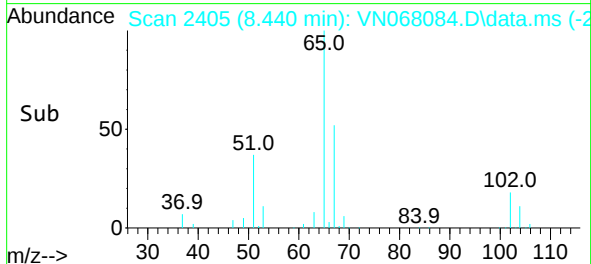
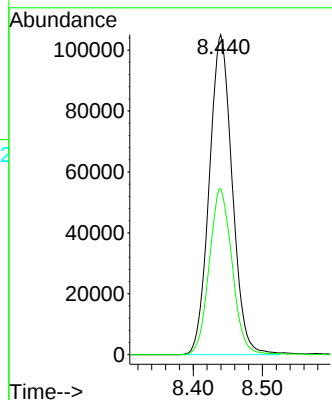
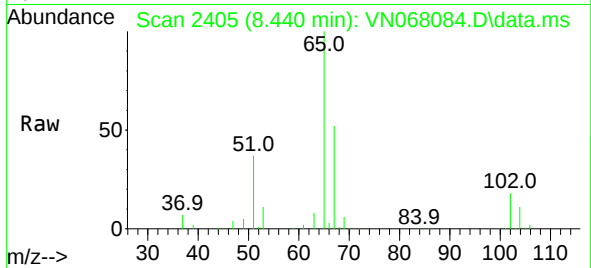




#33
1,2-Dichloroethane-d4
Concen: 54.013 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

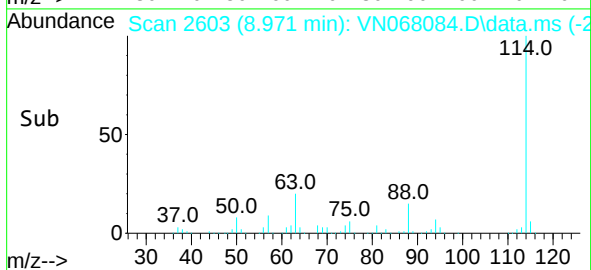
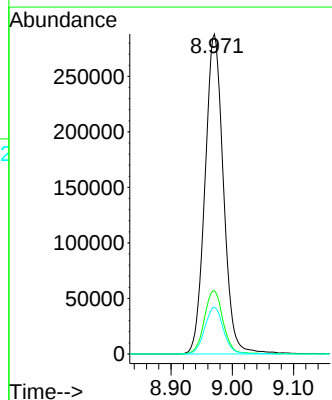
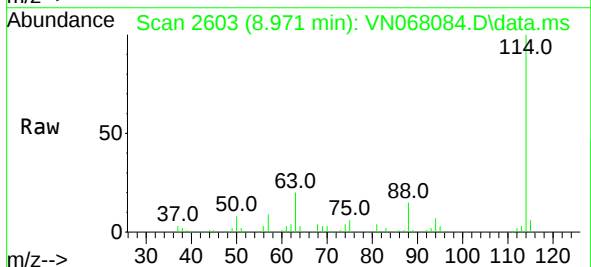
Instrument :
MSVOA_N
ClientSampled :

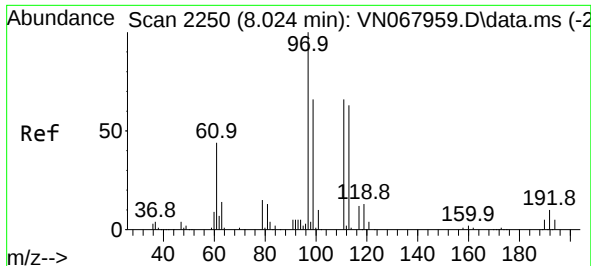
Tgt Ion: 65 Resp: 241686
Ion Ratio Lower Upper
65 100
67 51.6 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion: 114 Resp: 602366
Ion Ratio Lower Upper
114 100
63 19.8 0.0 49.0
88 14.6 0.0 36.6

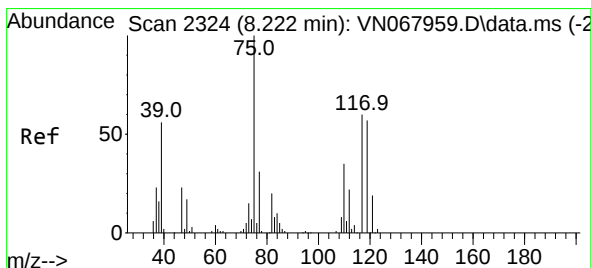
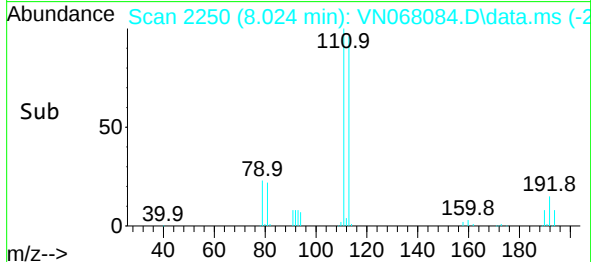
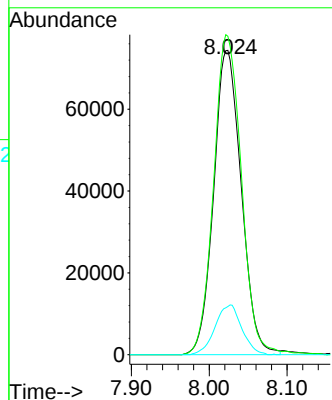
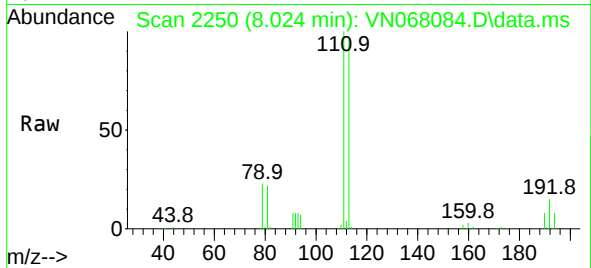




#35
Dibromofluoromethane
Concen: 52.066 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

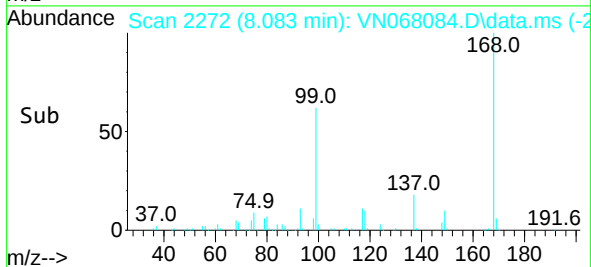
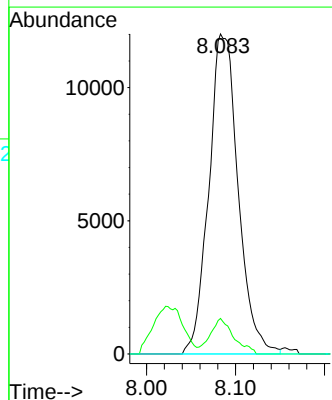
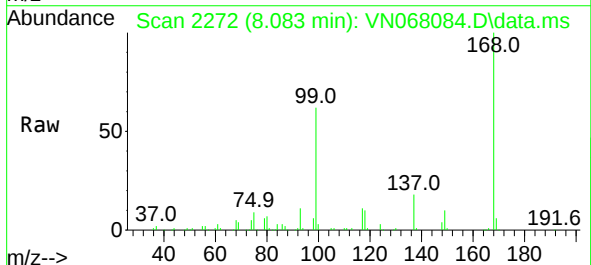
Instrument :
MSVOA_N
ClientSampled :

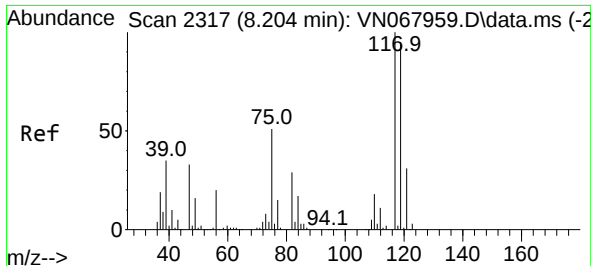
Tgt Ion:113 Resp: 182777
Ion Ratio Lower Upper
113 100
111 105.4 83.8 125.8
192 15.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

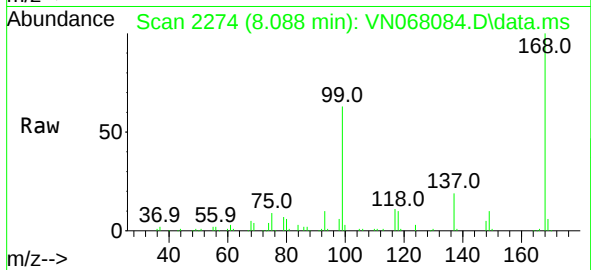
Tgt Ion: 75 Resp: 27516
Ion Ratio Lower Upper
75 100
110 8.8 15.7 47.0#
77 0.0 24.6 37.0#



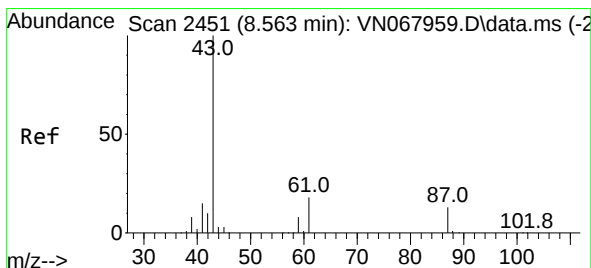
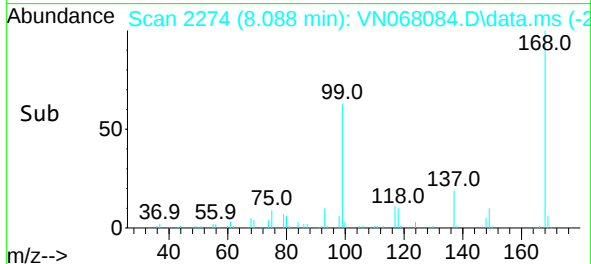
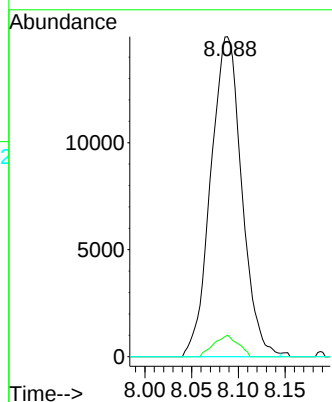


#38
Carbon Tetrachloride
Concen: 6.301 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

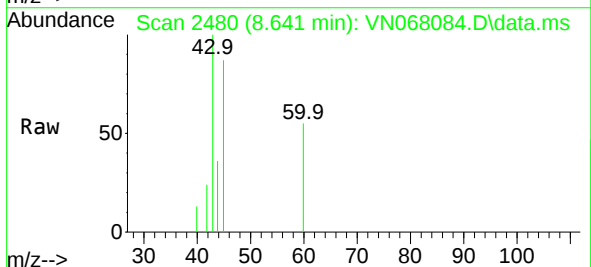
Instrument :
MSVOA_N
ClientSampled :



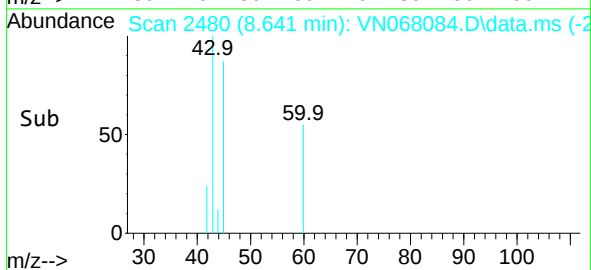
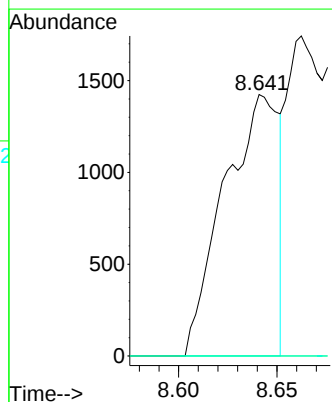
Tgt Ion:117 Resp: 34528
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 23.5 35.3#

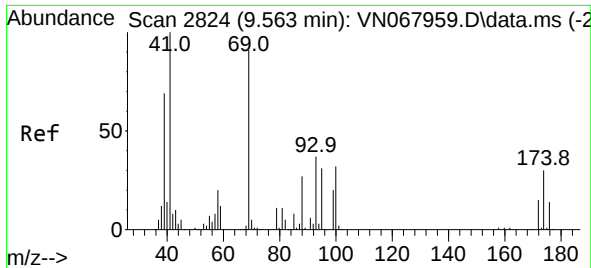


#43
Isopropyl Acetate
Concen: 0.314 ug/l
RT: 8.641 min Scan# 2480
Delta R.T. 0.078 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09



Tgt Ion: 43 Resp: 2744
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

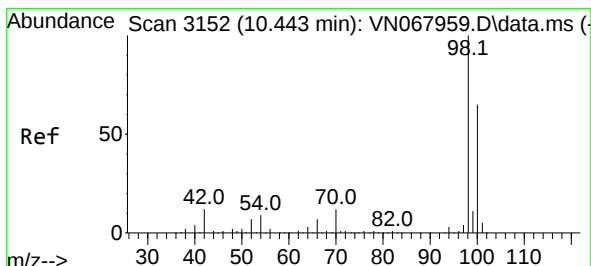
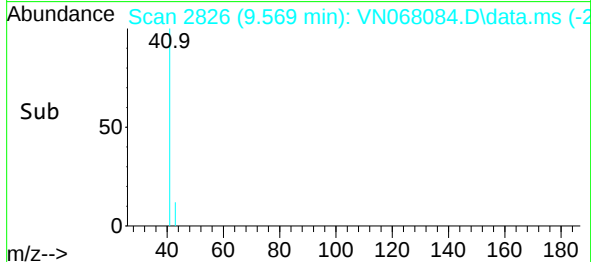
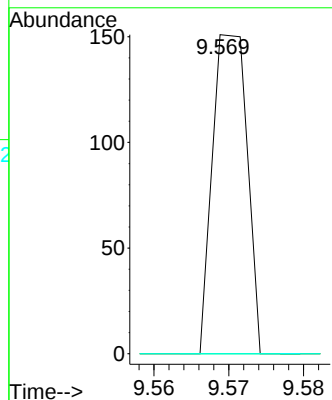
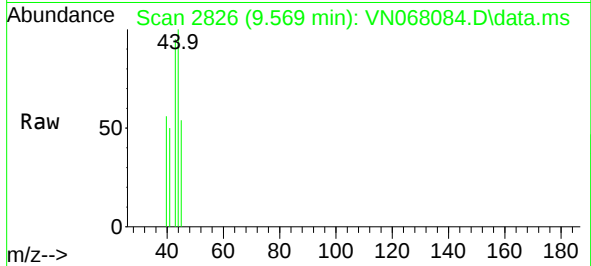




#48
Methyl methacrylate
Concen: 2.315 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. 0.006 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

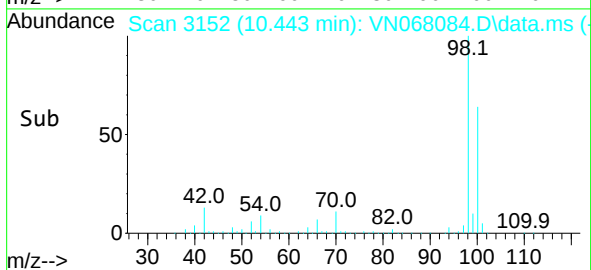
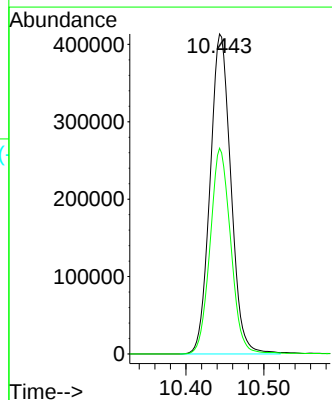
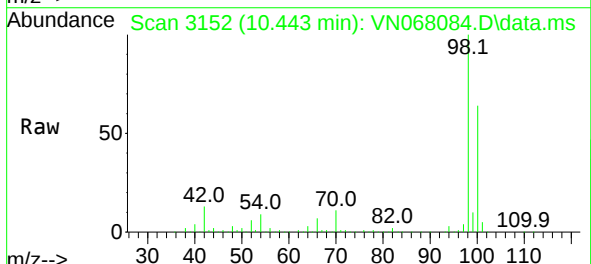
Instrument :
MSVOA_N
ClientSampled :

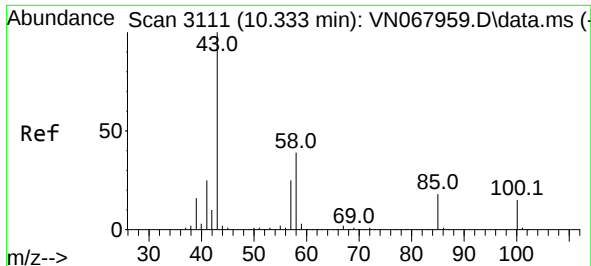
Tgt Ion: 41 Resp: 48
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 47.566 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion: 98 Resp: 767332
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

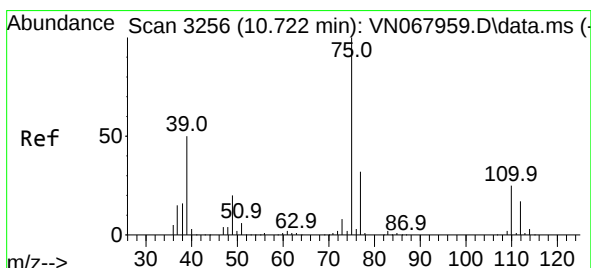
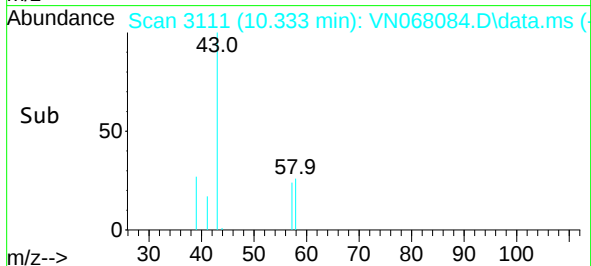
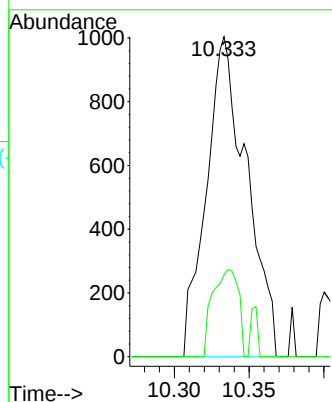
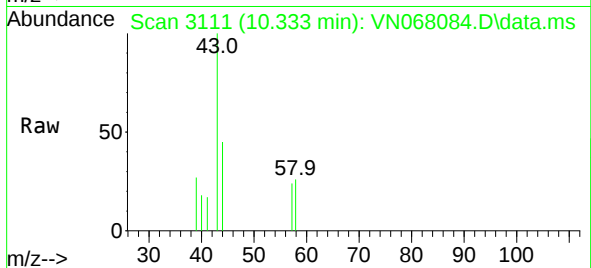




#51
4-Methyl-2-Pentanone
Concen: 12.847 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

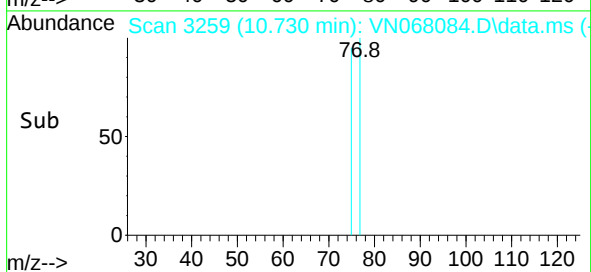
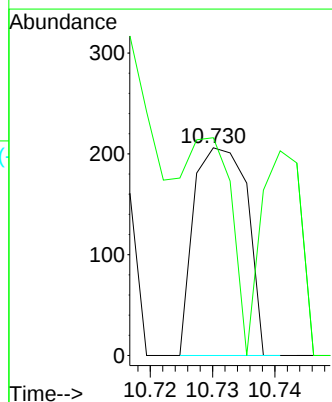
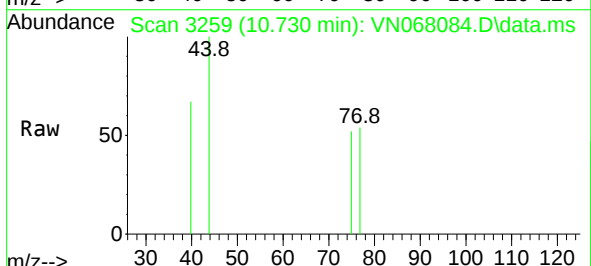
Instrument :
MSVOA_N
ClientSampled :

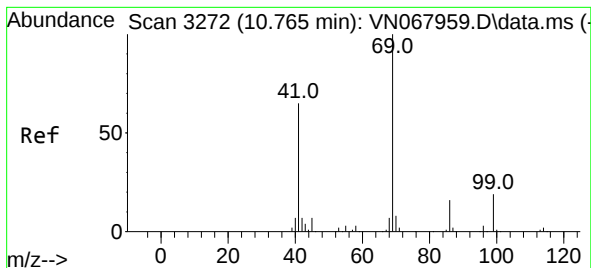
Tgt Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
58 17.4 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.849 ug/l
RT: 10.730 min Scan# 3259
Delta R.T. 0.008 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion: 75 Resp: 122
Ion Ratio Lower Upper
75 100
77 19.4 25.1 37.7#

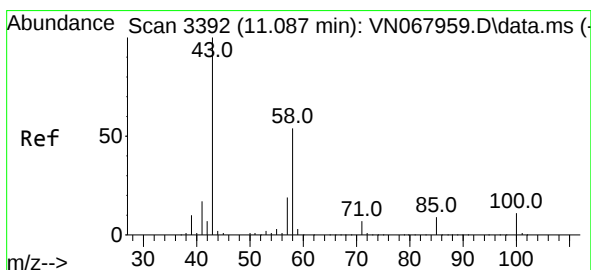
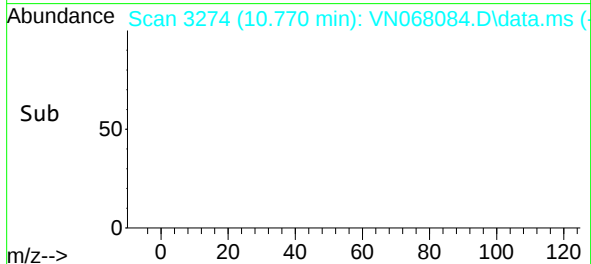
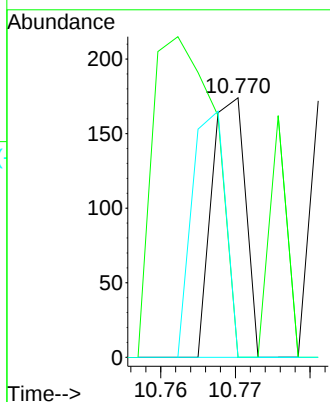
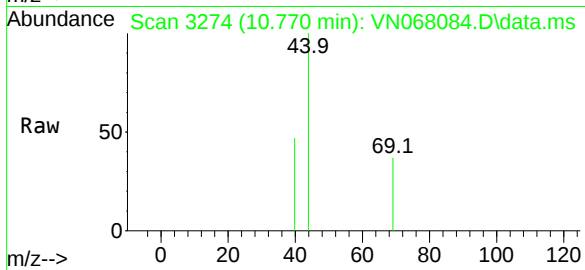




#56
Ethyl methacrylate
Concen: 3.105 ug/l
RT: 10.770 min Scan# 3274
Delta R.T. 0.005 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

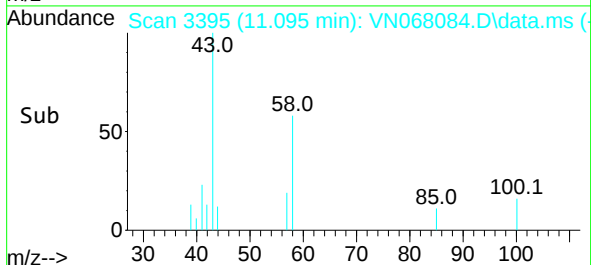
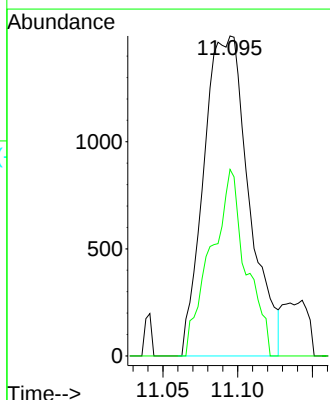
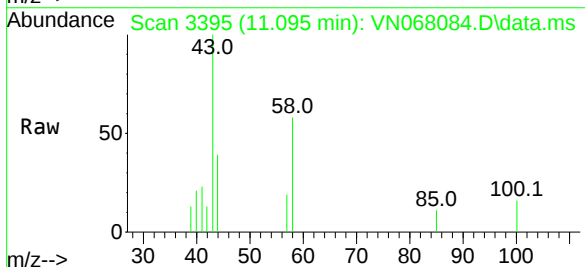
Instrument :
MSVOA_N
ClientSampled :

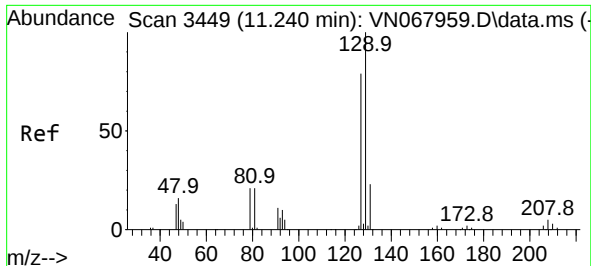
Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 229.6 58.6 88.0#
39 94.4 38.3 57.5#



#59
2-Hexanone
Concen: 13.943 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion: 43 Resp: 3140
Ion Ratio Lower Upper
43 100
58 45.3 24.7 74.1

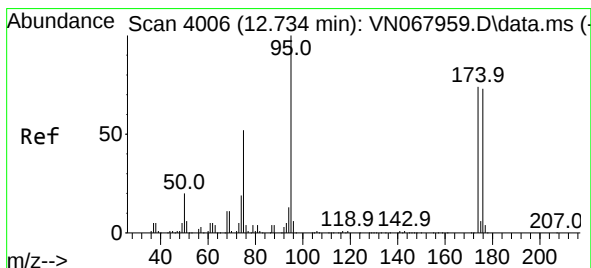
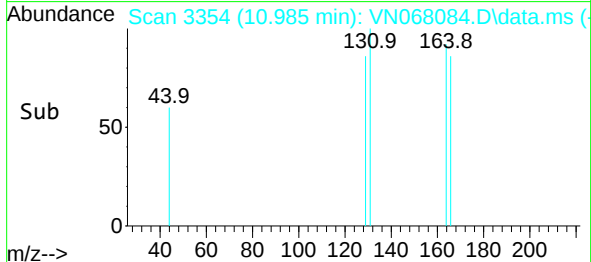
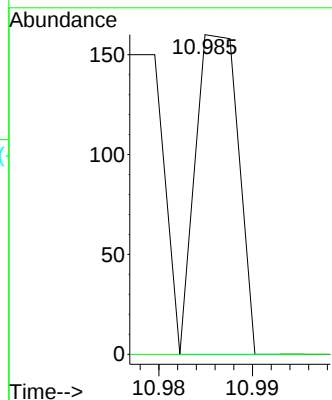
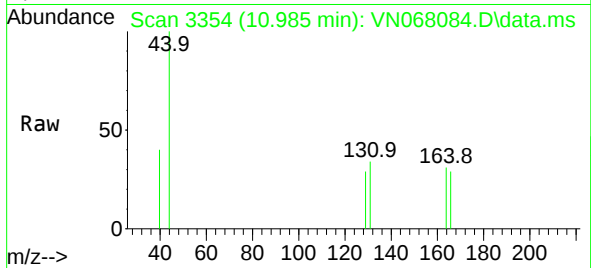




#60
Dibromochloromethane
Concen: 3.312 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

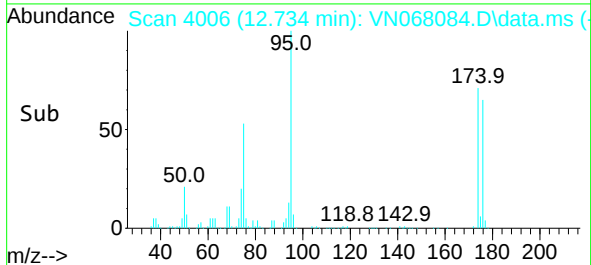
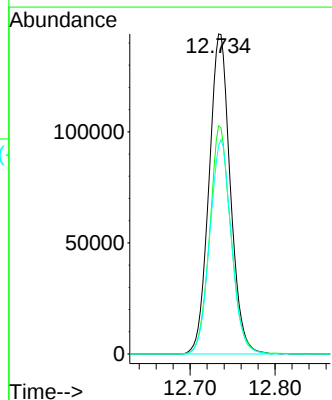
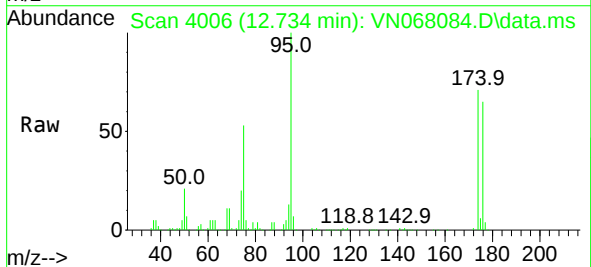
Instrument :
MSVOA_N
ClientSampleId :

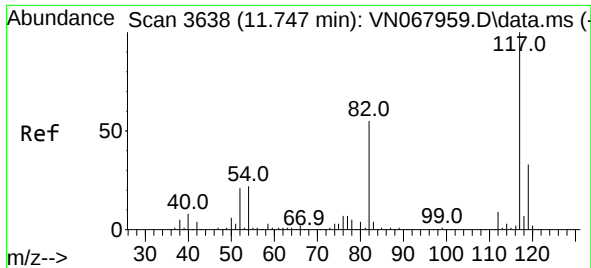
Tgt Ion:129 Resp: 51
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 43.001 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion: 95 Resp: 250411
Ion Ratio Lower Upper
95 100
174 71.0 0.0 122.0
176 67.8 0.0 117.6

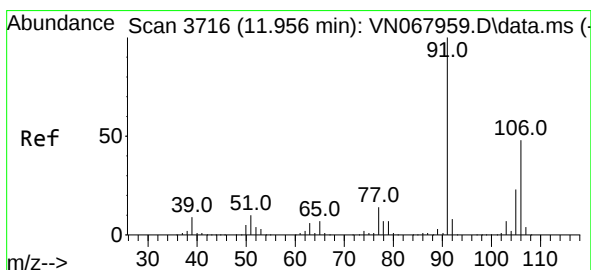
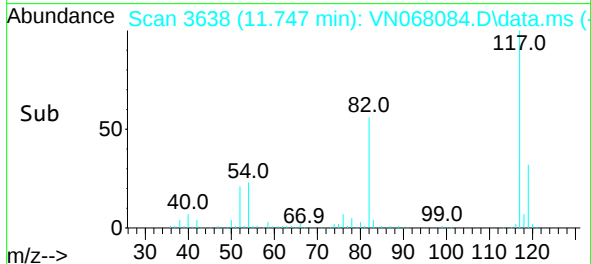
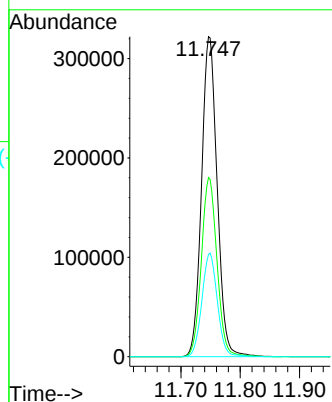
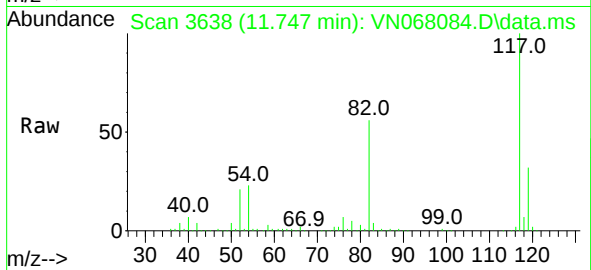




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

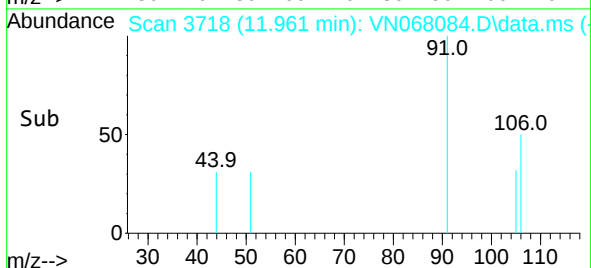
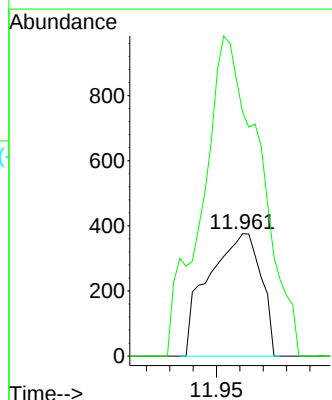
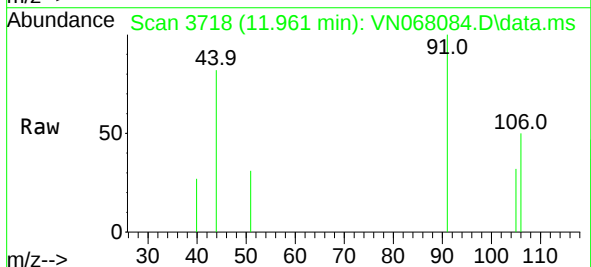
Instrument :
MSVOA_N
ClientSampled :

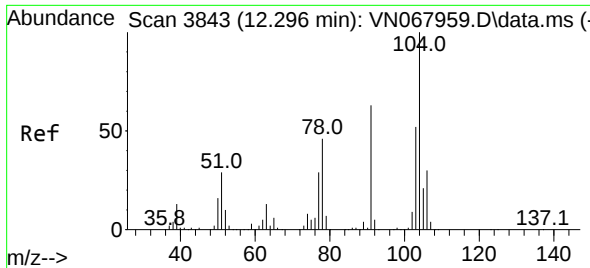
Tgt Ion:117 Resp: 589244
Ion Ratio Lower Upper
117 100
82 56.0 53.1 79.7
119 32.0 25.5 38.3



#68
m/p-Xylenes
Concen: 4.123 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.005 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion:106 Resp: 587
Ion Ratio Lower Upper
106 100
91 287.4 180.6 270.8#

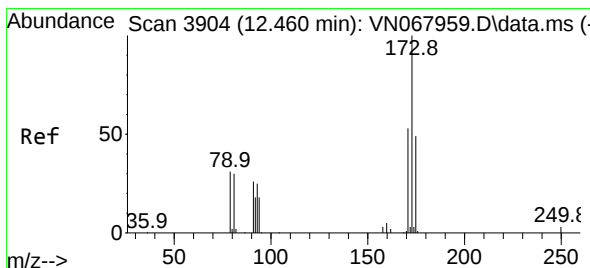
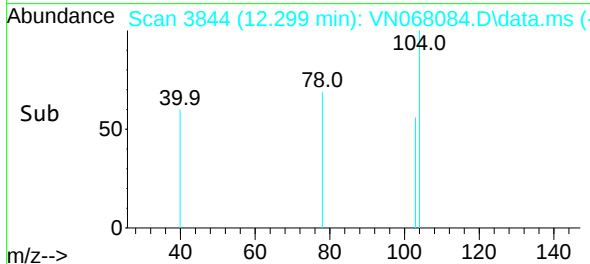
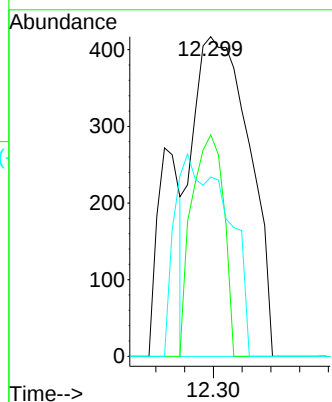
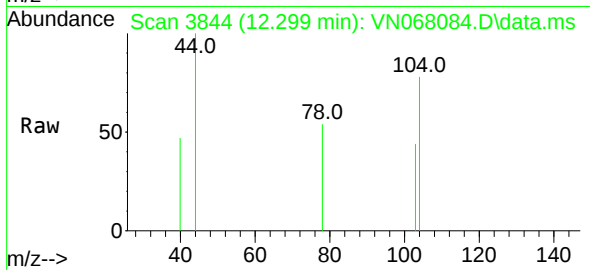




#70
Styrene
Concen: 2.667 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

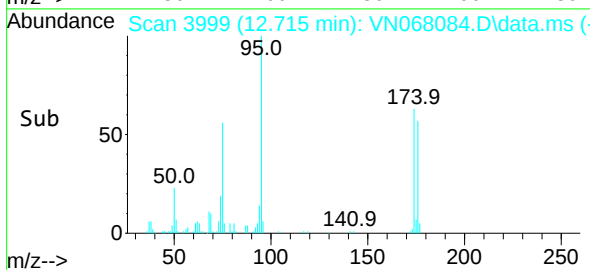
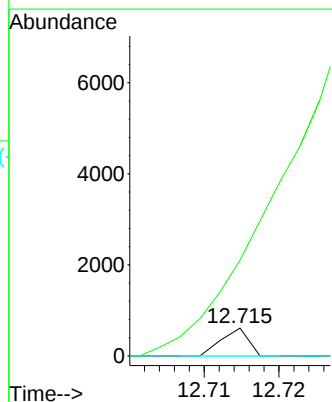
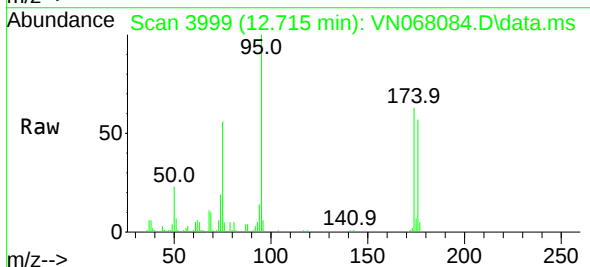
Instrument :
MSVOA_N
ClientSampled :

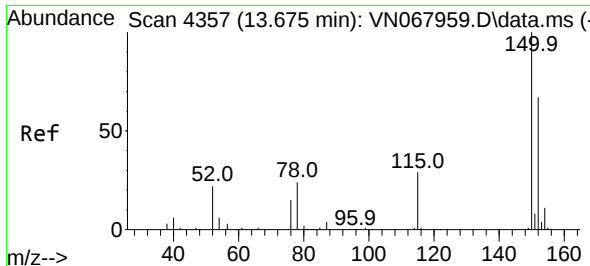
Tgt Ion:104 Resp: 570
Ion Ratio Lower Upper
104 100
78 39.3 48.2 72.2#
103 59.1 44.5 66.7



#71
Bromoform
Concen: 4.068 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion:173 Resp: 153
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

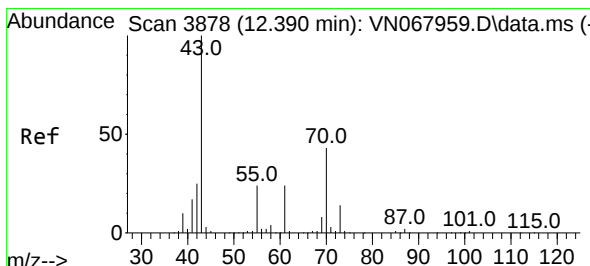
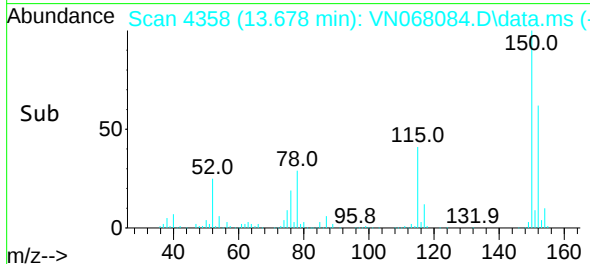
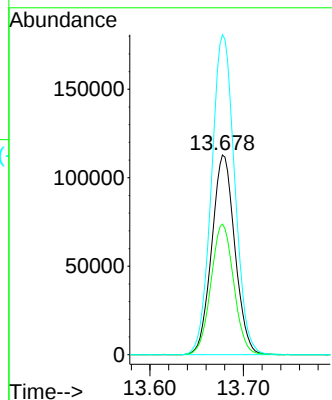
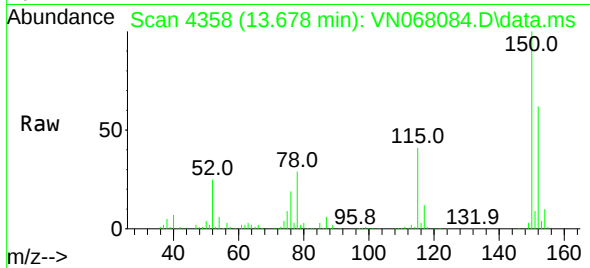




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

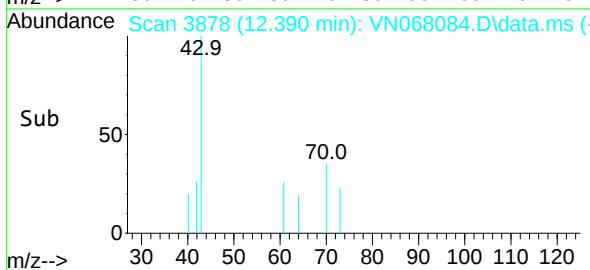
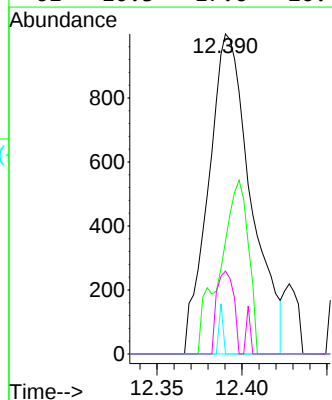
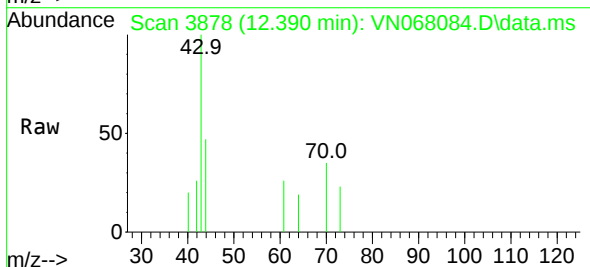
Instrument :
MSVOA_N
ClientSampled :

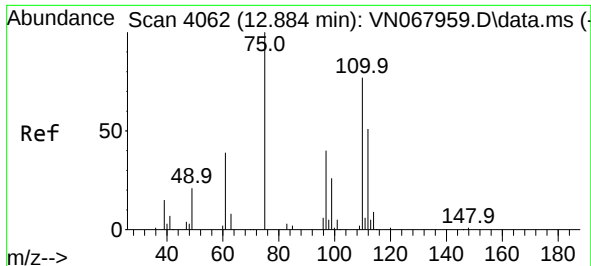
Tgt Ion:152 Resp: 194307
Ion Ratio Lower Upper
152 100
115 64.6 36.1 108.5
150 161.1 0.0 351.8



#74
N-ethyl acetate
Concen: 0.315 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion: 43 Resp: 1733
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.2#
55 1.4 17.0 25.4#
61 10.3 17.6 26.4#

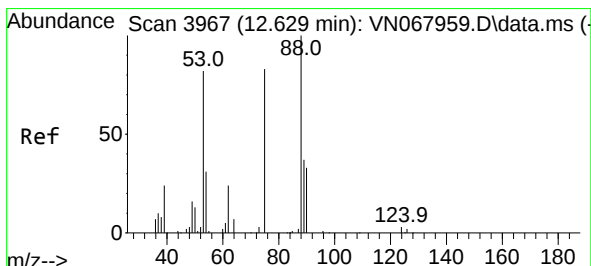
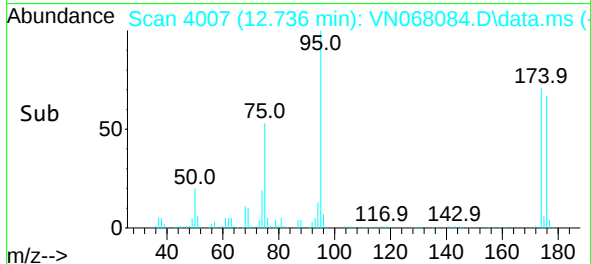
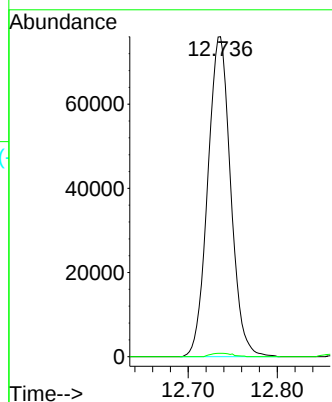
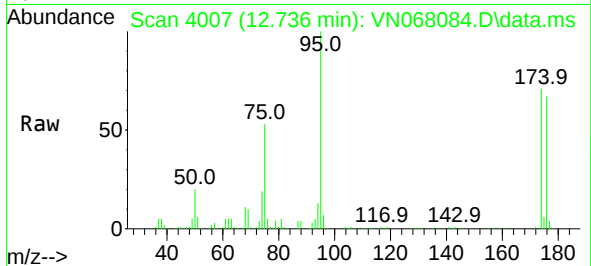




#76
1,2,3-Trichloropropane
Concen: 34.798 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

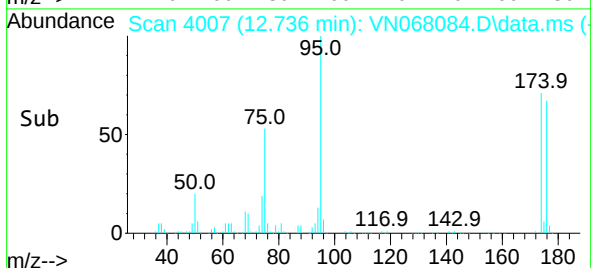
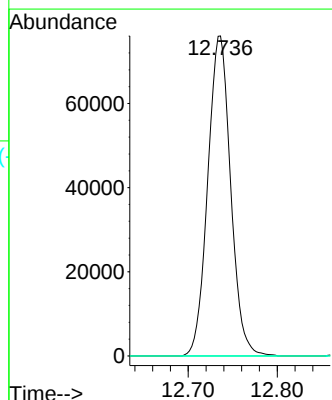
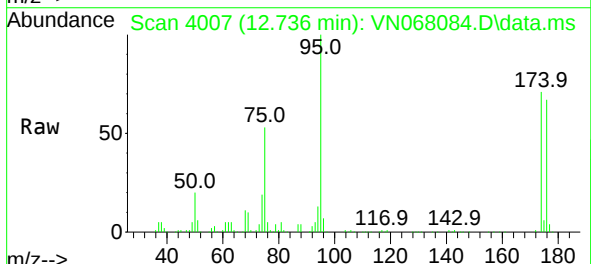
Instrument :
MSVOA_N
ClientSampled :

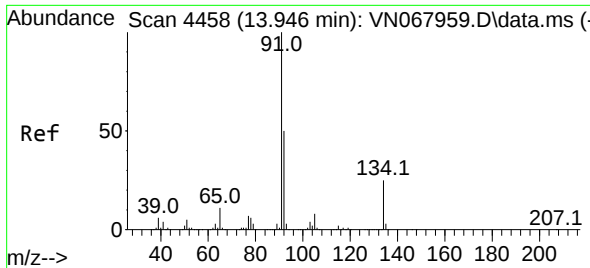
Tgt Ion: 75 Resp: 135790
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.194 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion: 75 Resp: 135790
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

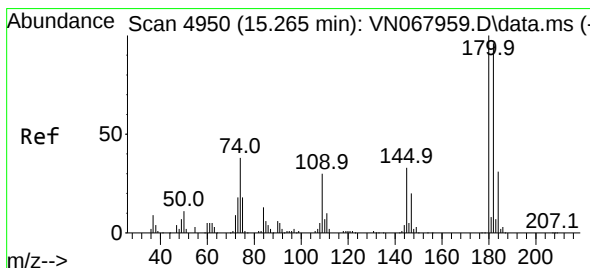
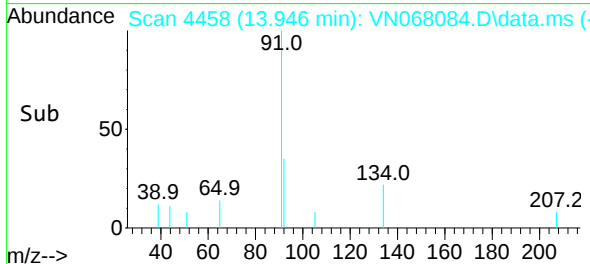
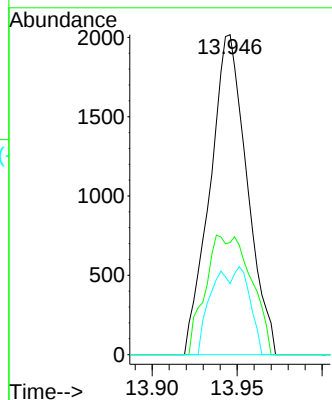
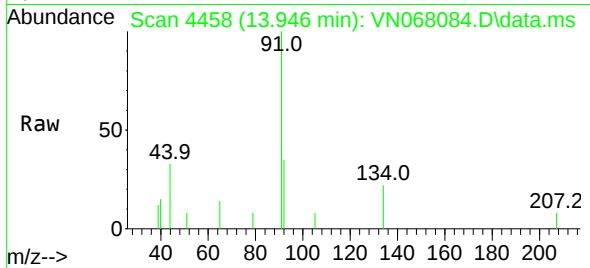




#89
n-Butylbenzene
Concen: 0.299 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

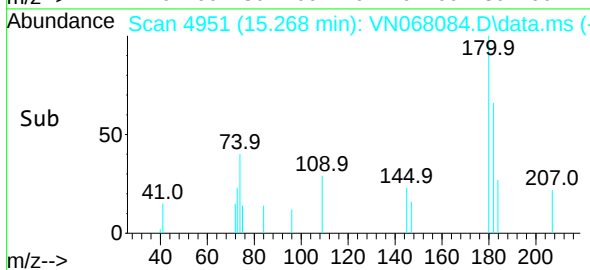
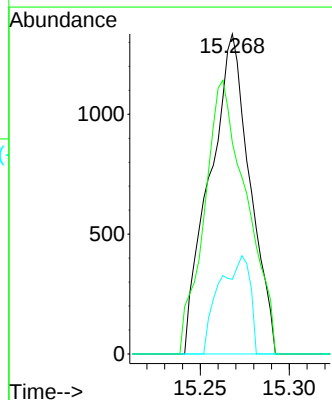
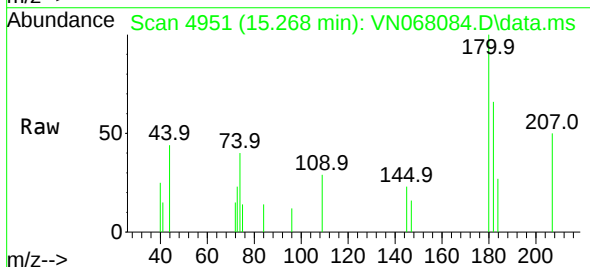
Instrument :
MSVOA_N
ClientSampled :

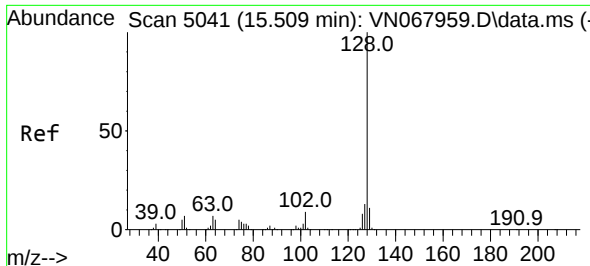
Tgt Ion:	91	Resp:	3049
Ion	Ratio	Lower	Upper
91	100		
92	45.9	25.7	77.1
134	15.2	11.2	33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.169 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion:	180	Resp:	2086
Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.5	142.5
145	23.4	17.2	51.6

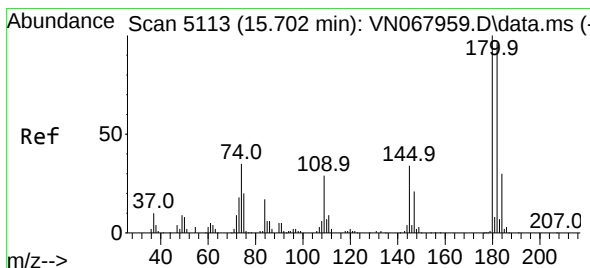
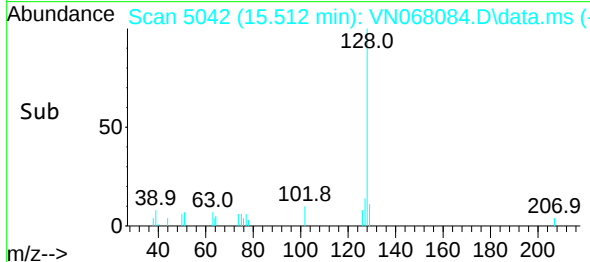
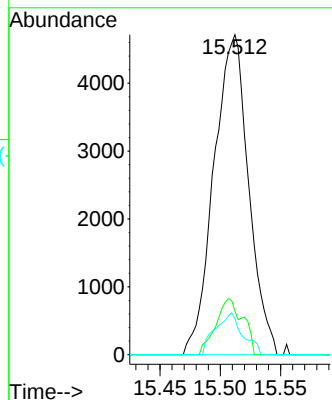
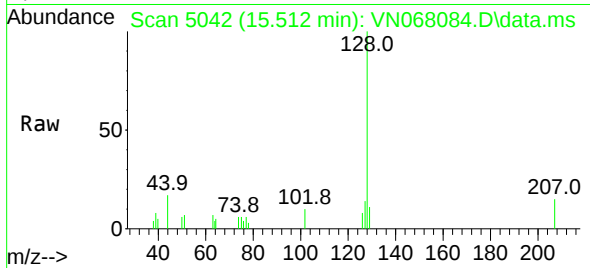




#95
Naphthalene
Concen: 4.214 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 9451
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.215 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN068084.D
Acq: 12 Aug 2021 12:09

Tgt Ion:180 Resp: 2378
Ion Ratio Lower Upper
180 100
182 103.7 47.8 143.3
145 37.4 18.2 54.6

