

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072721\
 Data File : VN067922.D
 Acq On : 27 Jul 2021 12:23
 Operator : JC/MD
 Sample : VN0727MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 28 05:17:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

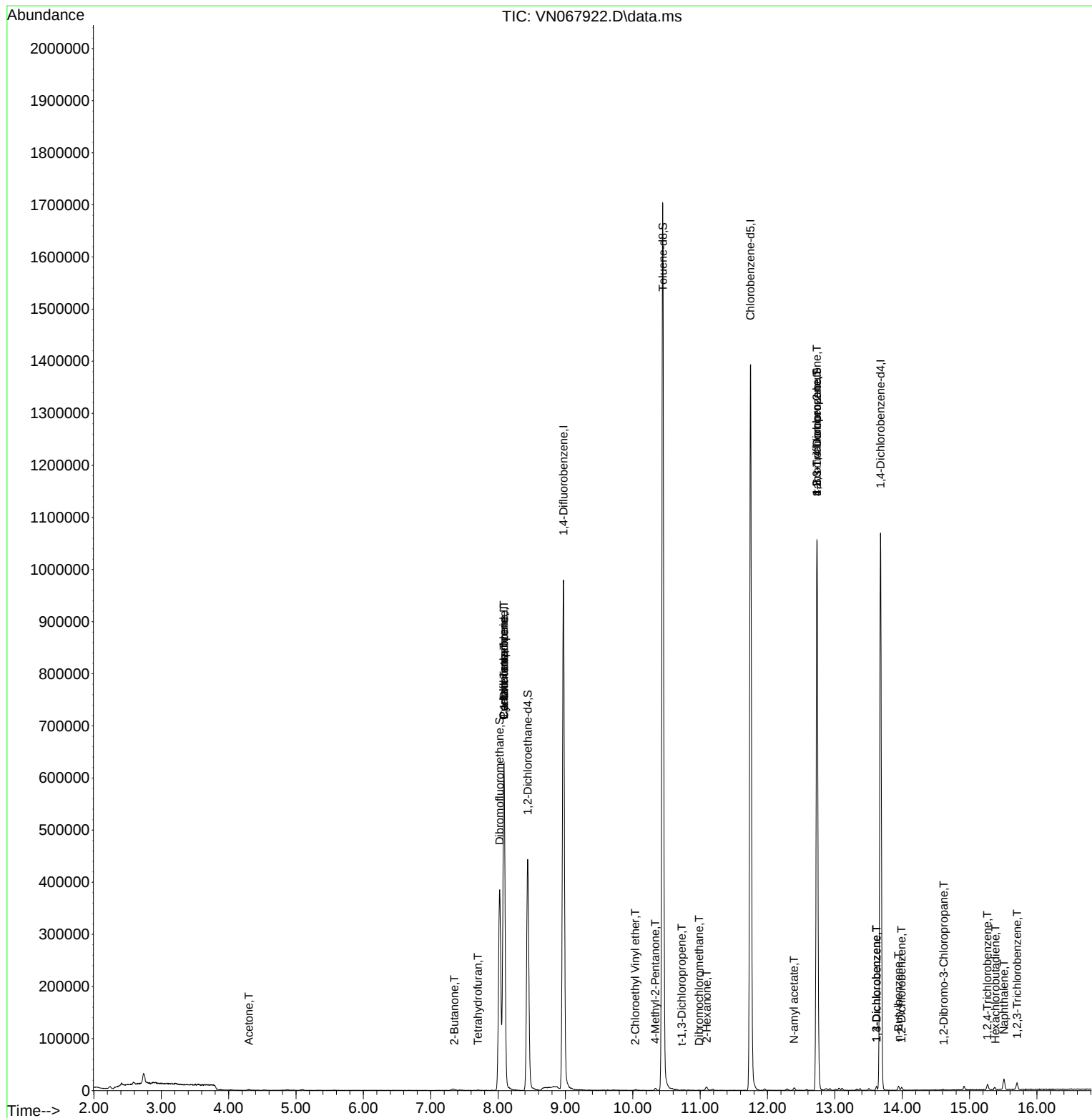
Internal Standards						
1) Pentafluorobenzene	8.088	168	461914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	868980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	825542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	272923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	379572	54.373	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.740%			
35) Dibromofluoromethane	8.024	113	289477	55.137	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.280%			
50) Toluene-d8	10.446	98	1192901	54.282	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.560%			
62) 4-Bromofluorobenzene	12.733	95	373374	48.096	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.200%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.848	94	80	Below Cal	#	4
6) Chloroethane	3.003	64	93	Below Cal	#	44
13) Acrolein	4.057	56	96	Below Cal	#	1
16) Acetone	4.299	43	1873	0.853	ug/l	100
20) Methylene Chloride	5.095	84	991	Below Cal	#	65
25) 2-Butanone	7.351	43	1497	0.410	ug/l	# 51
29) Tetrahydrofuran	7.702	42	528	0.220	ug/l	# 53
31) Cyclohexane	8.086	56	12288	1.255	ug/l	# 7
36) 1,1-Dichloropropene	8.088	75	40539	5.022	ug/l	# 51
38) Carbon Tetrachloride	8.088	117	50986	6.404	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.336	43	3505	0.415	ug/l	# 86
53) t-1,3-Dichloropropene	10.727	75	140	1.758	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.038	63	614	17.243	ug/l	# 82
59) 2-Hexanone	11.098	43	6191	1.049	ug/l	# 63
60) Dibromochloromethane	10.985	129	113	2.371	ug/l	# 11
74) N-amyl acetate	12.393	43	3291	0.412	ug/l	# 87
76) 1,2,3-Trichloropropane	12.733	75	208457	37.401	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	208457	120.584	ug/l	# 6
87) 1,3-Dichlorobenzene	13.619	146	1859	0.206	ug/l	95
88) 1,4-Dichlorobenzene	13.619	146	1859	0.201	ug/l	96
89) n-Butylbenzene	13.946	91	5161	0.354	ug/l	94
91) 1,2-Dichlorobenzene	13.991	146	2362	0.271	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.614	75	256	0.231	ug/l	# 55
93) 1,2,4-Trichlorobenzene	15.265	180	3858	3.478	ug/l	84
94) Hexachlorobutadiene	15.383	225	880	0.480	ug/l	75
95) Naphthalene	15.509	128	18842	4.337	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	4970	3.713	ug/l	66

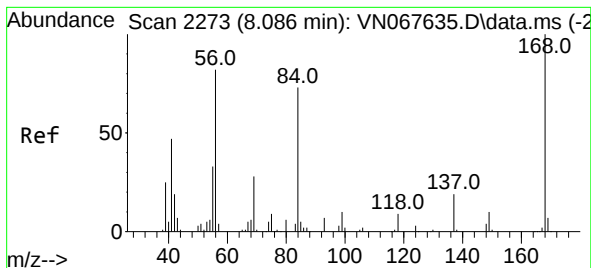
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072721\
Data File : VN067922.D
Acq On : 27 Jul 2021 12:23
Operator : JC/MD
Sample : VN0727MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Jul 28 05:17:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067922.D

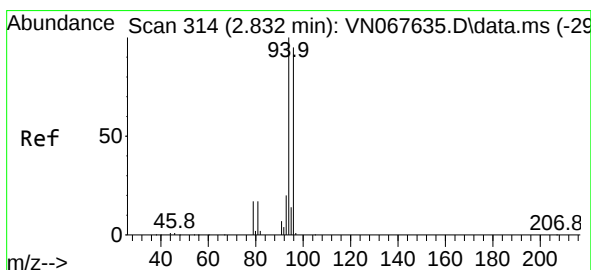
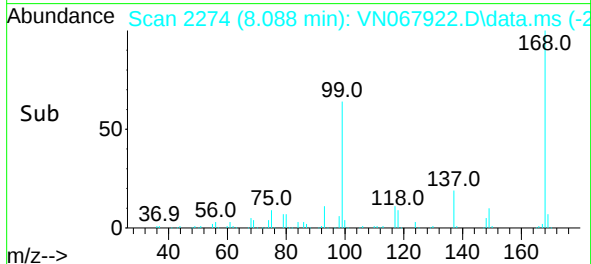
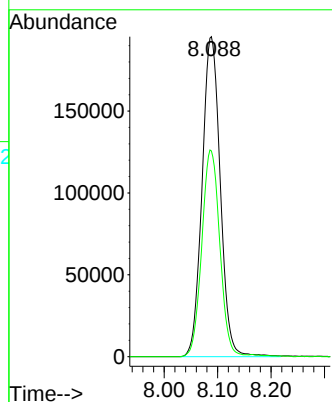
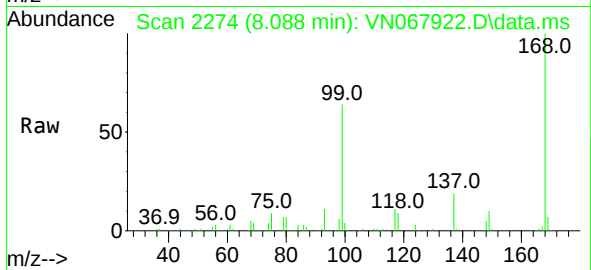
Acq: 27 Jul 2021 12:23

Tgt Ion:168 Resp: 461914

Ion Ratio Lower Upper

168 100

99 64.3 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.848 min Scan# 320

Delta R.T. 0.016 min

Lab File: VN067922.D

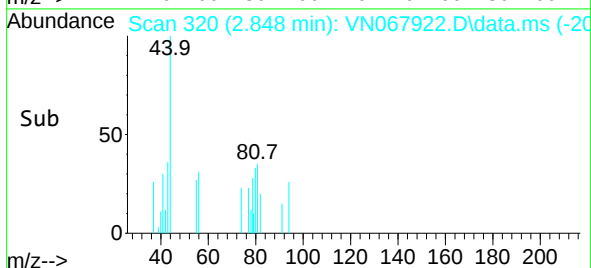
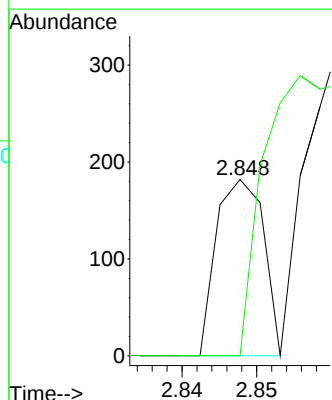
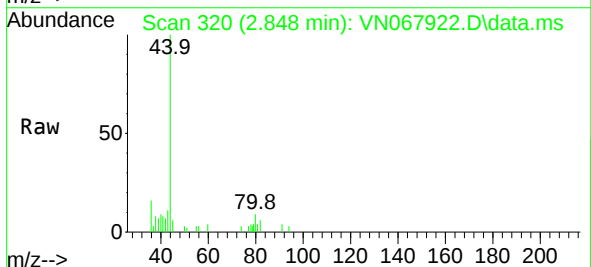
Acq: 27 Jul 2021 12:23

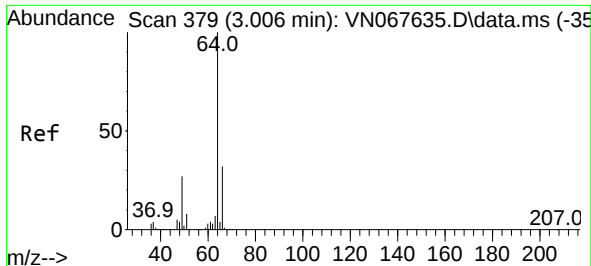
Tgt Ion: 94 Resp: 80

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

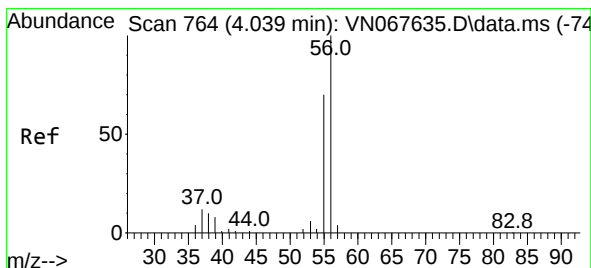
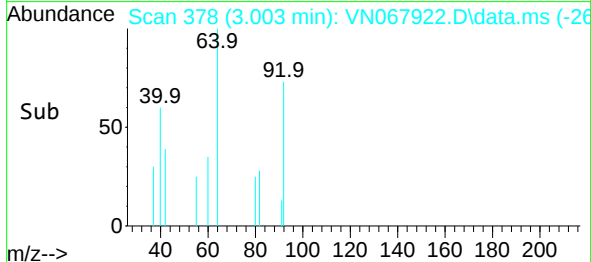
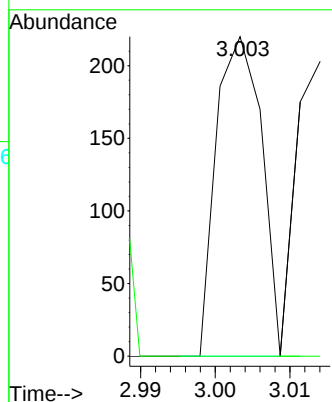
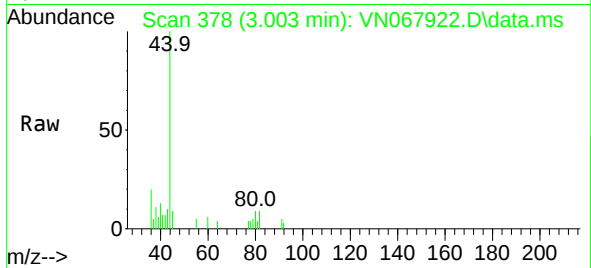




#6
Chloroethane
Concen: Below Cal
RT: 3.003 min Scan# 378
Delta R.T. -0.003 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

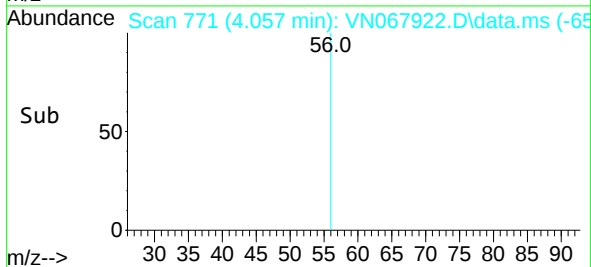
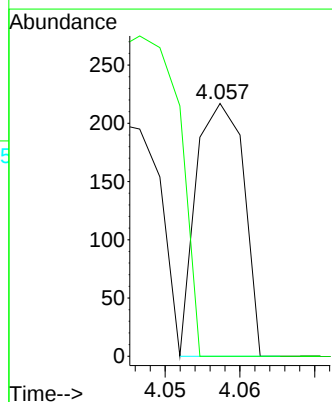
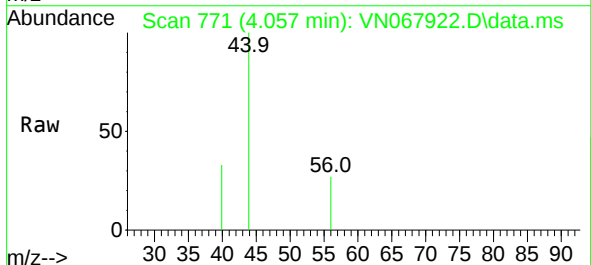
Instrument :
MSVOA_N
ClientSampled :

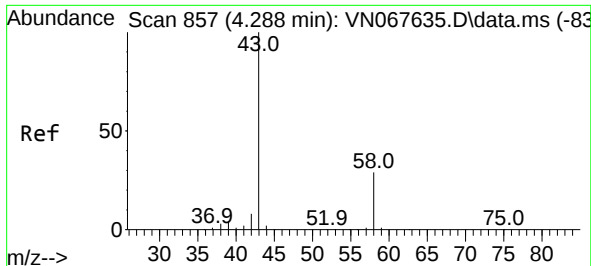
Tgt Ion: 64 Resp: 93
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.057 min Scan# 771
Delta R.T. 0.018 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

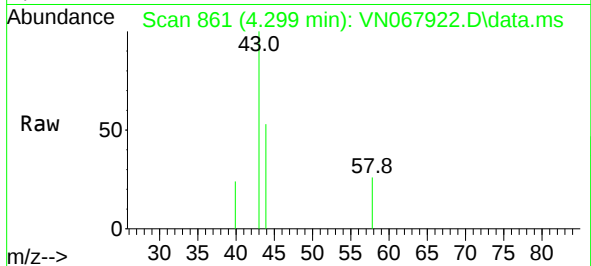
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 353.1 57.4 86.0#



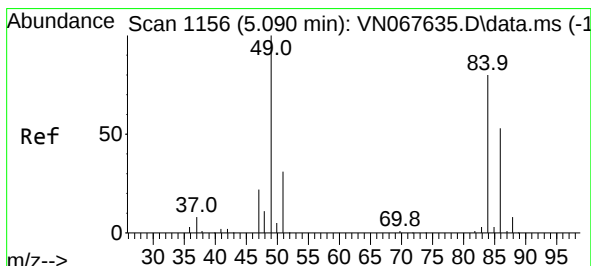
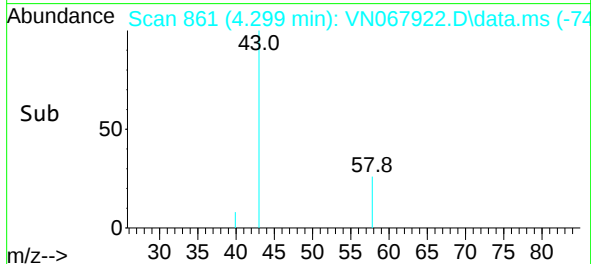
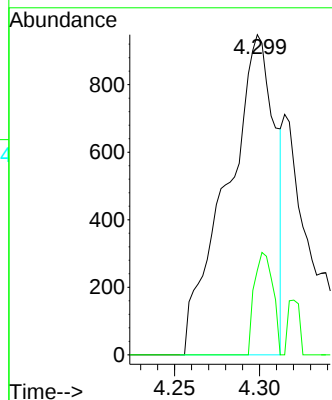


#16
Acetone
Concen: 0.853 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Instrument :
MSVOA_N
ClientSampled :

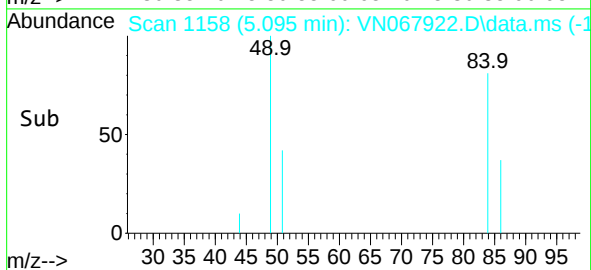
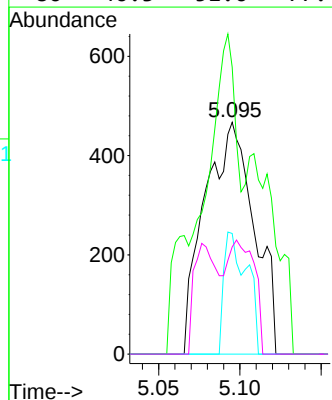
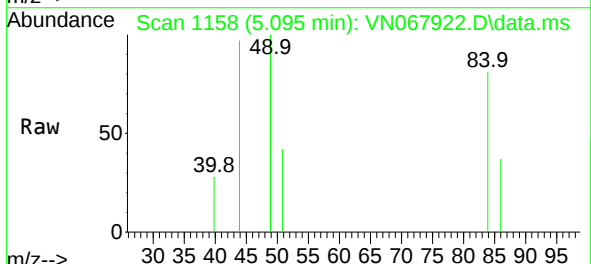


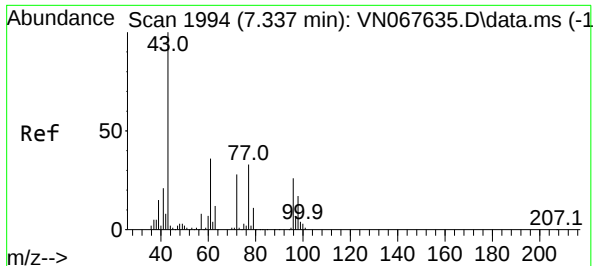
Tgt Ion: 43 Resp: 1873
Ion Ratio Lower Upper
43 100
58 26.4 21.2 31.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. 0.005 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

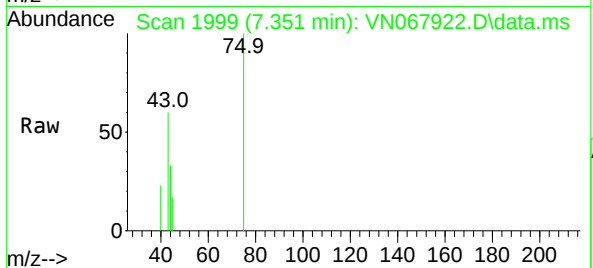
Tgt Ion: 84 Resp: 991
Ion Ratio Lower Upper
84 100
49 83.5 110.9 166.3#
51 52.0 32.6 49.0#
86 46.3 51.6 77.4#



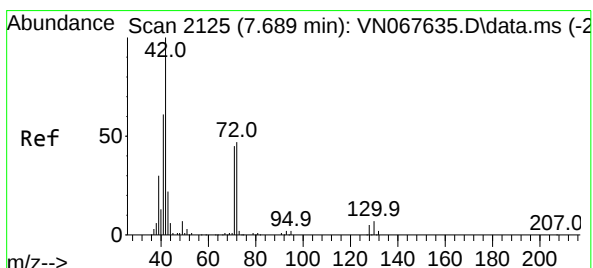
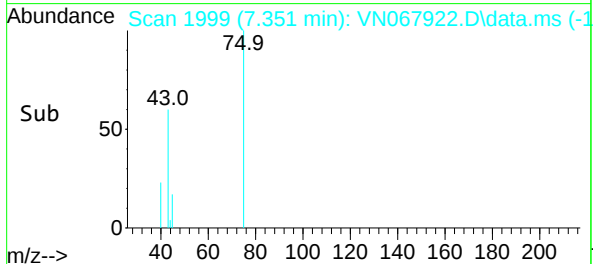
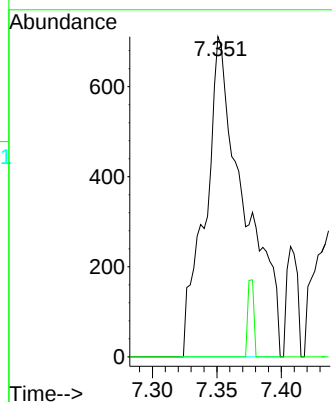


#25
2-Butanone
Concen: 0.410 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Instrument :
MSVOA_N
ClientSampled :

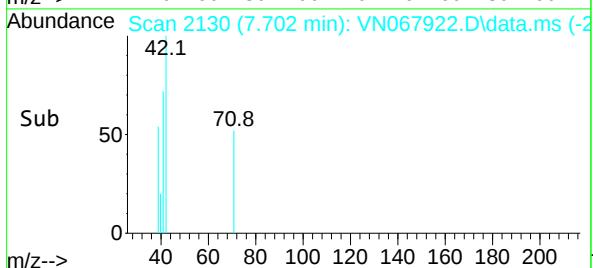
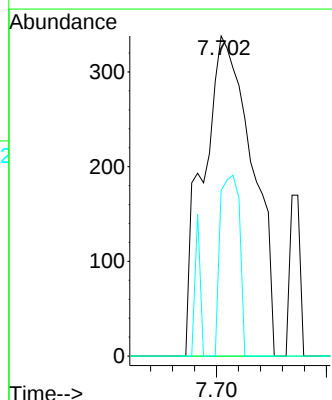
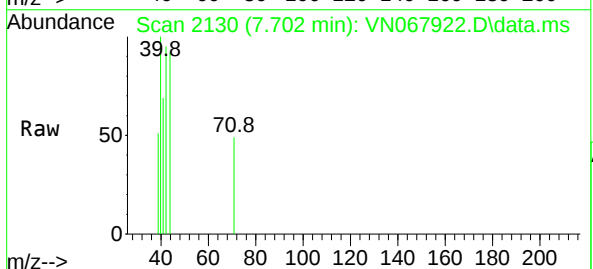


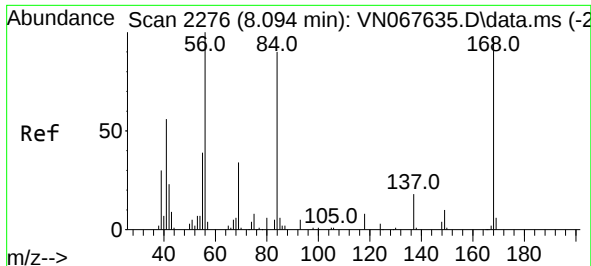
Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.013 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 42 Resp: 528
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 22.0 31.2 46.8#

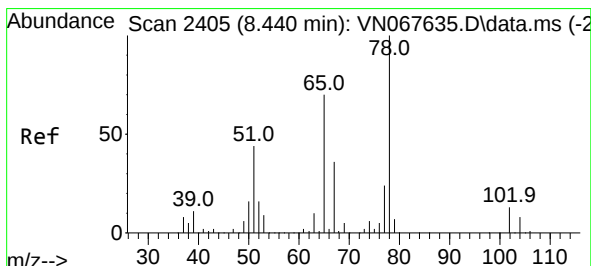
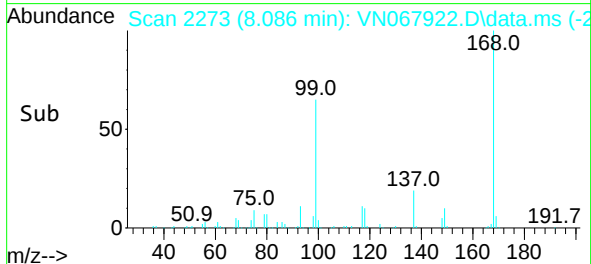
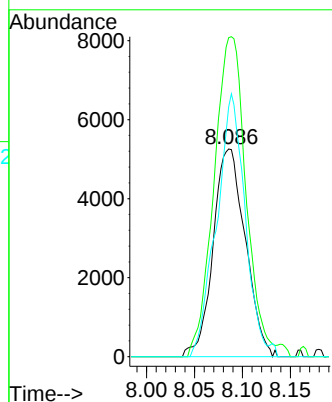
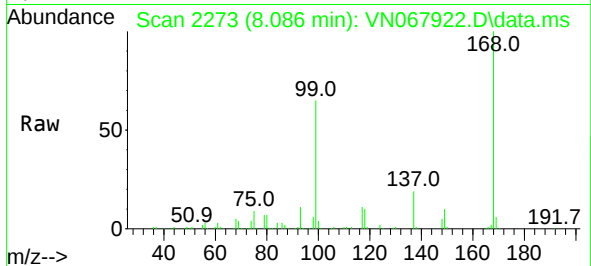




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

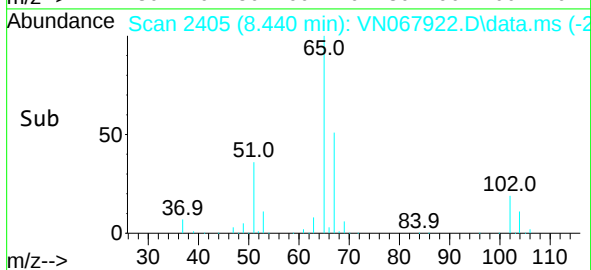
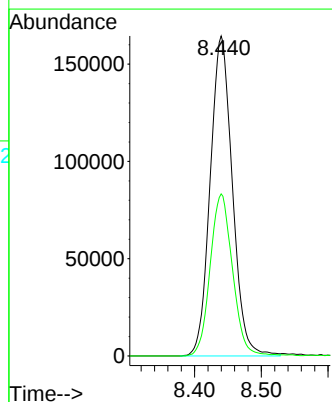
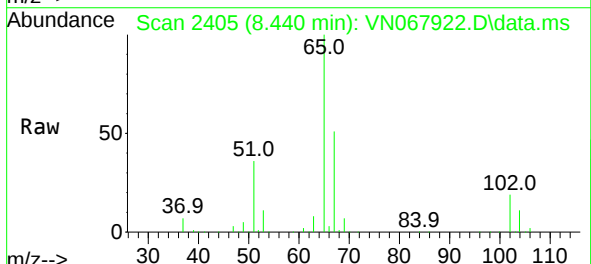
Instrument :
MSVOA_N
ClientSampleId :

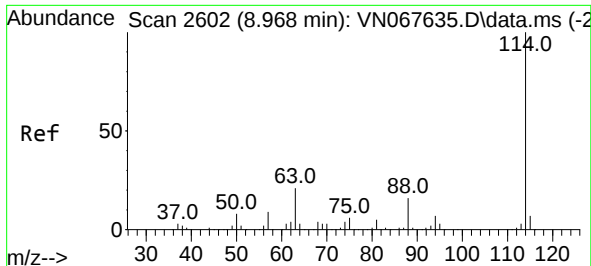
Tgt Ion: 56 Resp: 12288
Ion Ratio Lower Upper
56 100
69 153.6 27.3 40.9#
84 120.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.373 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 65 Resp: 379572
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

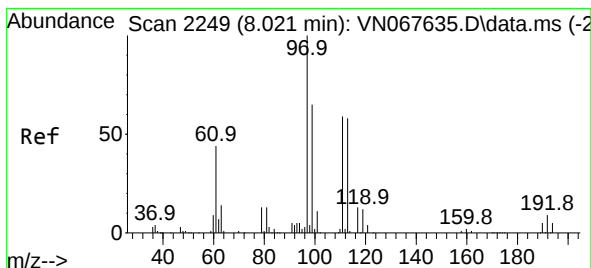
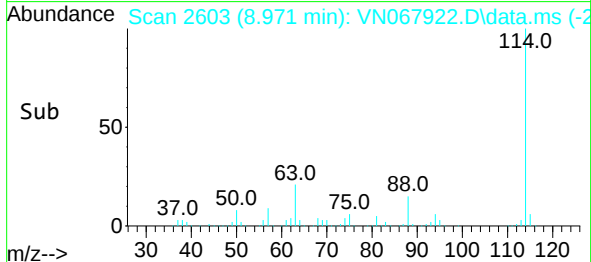
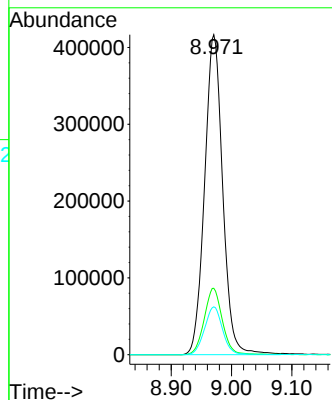
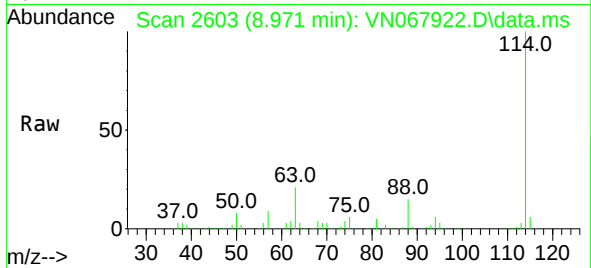




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

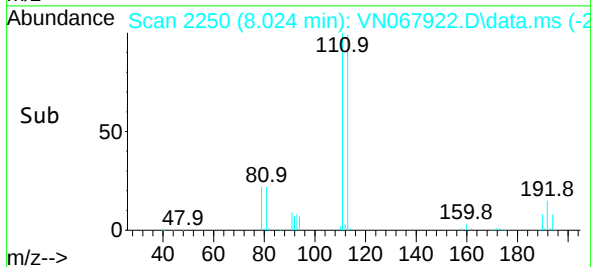
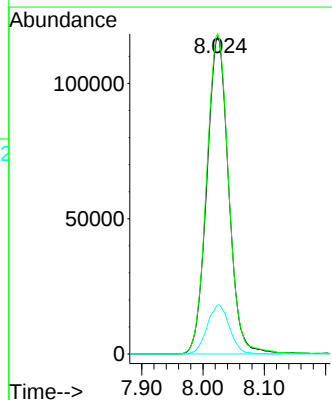
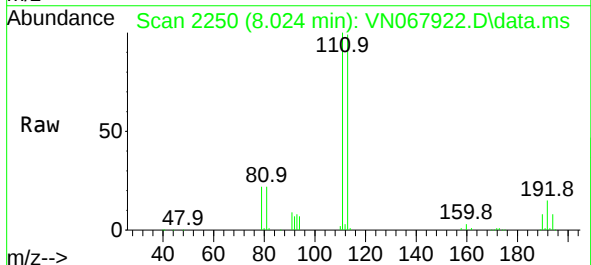
Instrument :
MSVOA_N
ClientSampled :

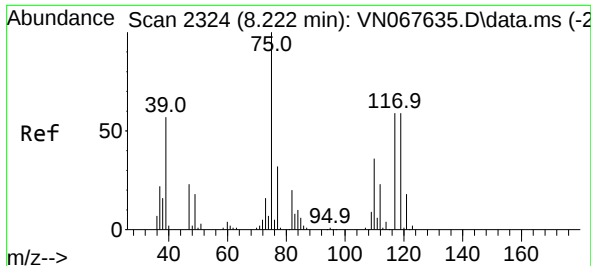
Tgt Ion:114 Resp: 868980
Ion Ratio Lower Upper
114 100
63 20.8 0.0 49.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 55.137 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion:113 Resp: 289477
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.8
192 15.7 13.4 20.0

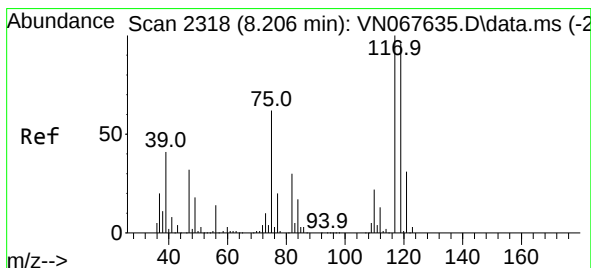
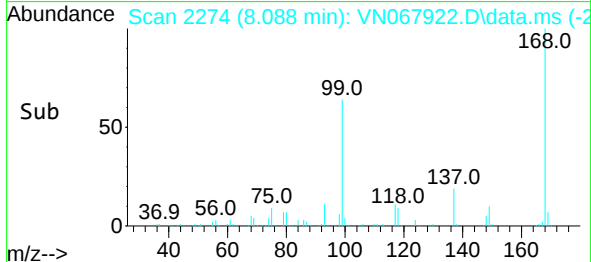
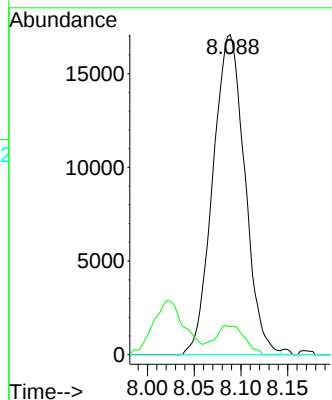
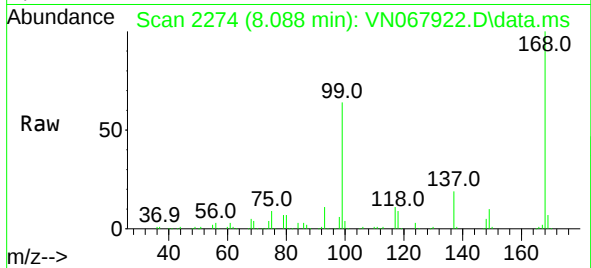




#36
1,1-Dichloropropene
Concen: 5.022 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

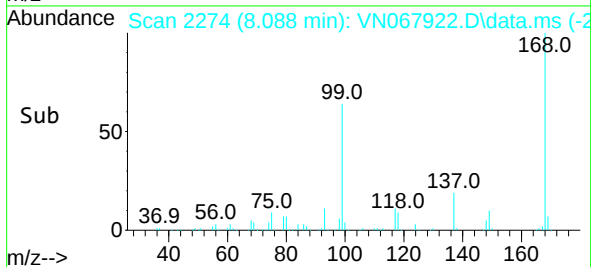
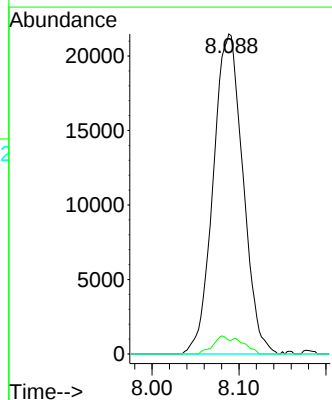
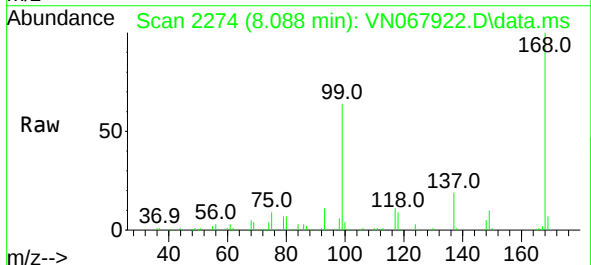
Instrument :
MSVOA_N
ClientSampled :

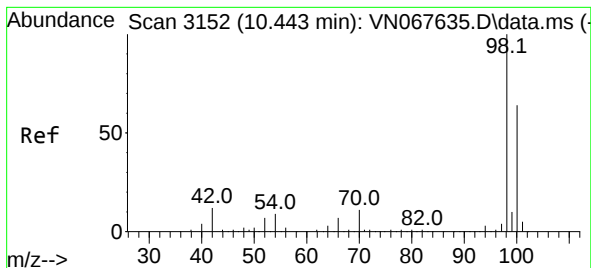
Tgt Ion: 75 Resp: 40539
Ion Ratio Lower Upper
75 100
110 8.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.404 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 117 Resp: 50986
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 23.5 35.3#

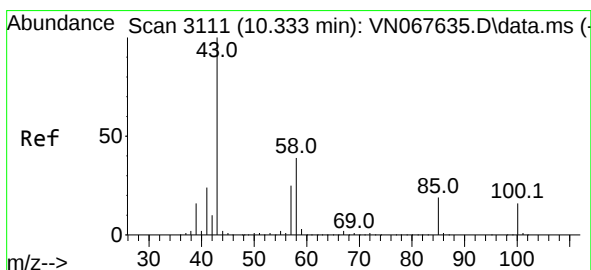
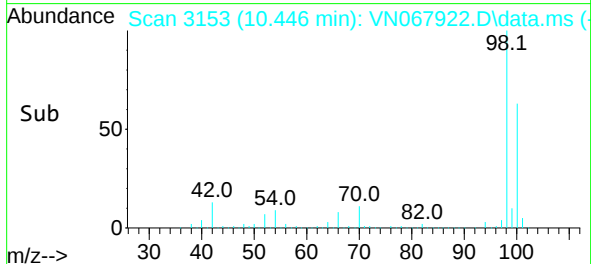
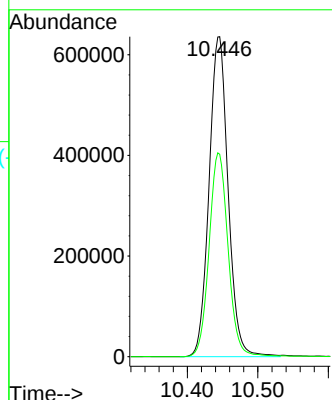
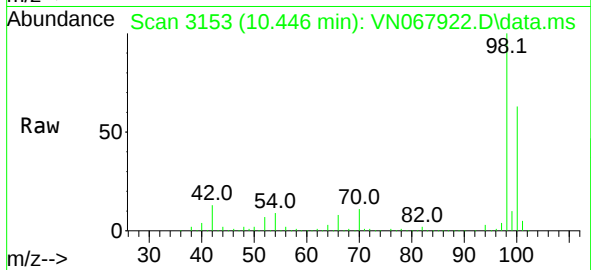




#50
Toluene-d8
Concen: 54.282 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

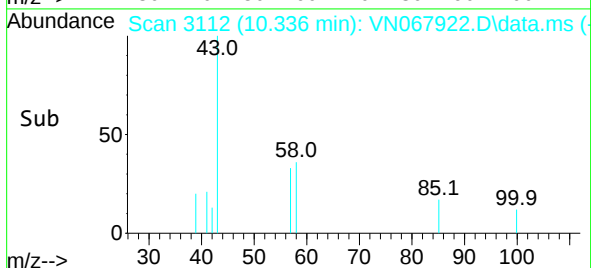
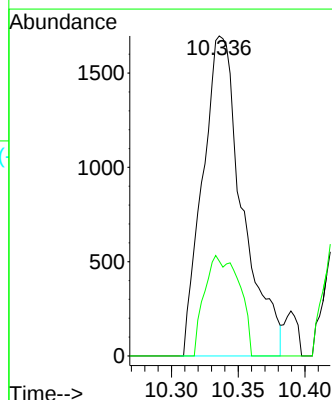
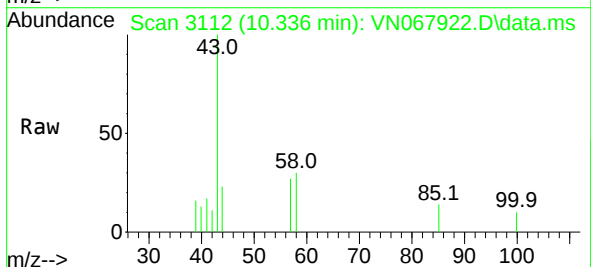
Instrument :
MSVOA_N
ClientSampleId :

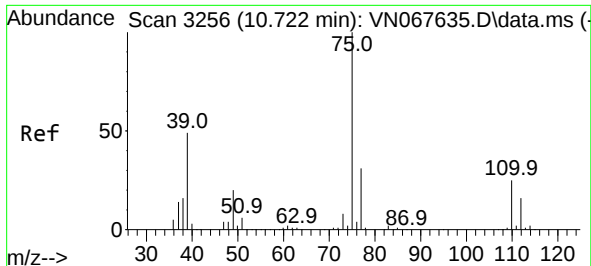
Tgt Ion: 98 Resp: 1192901
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.415 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 43 Resp: 3505
Ion Ratio Lower Upper
43 100
58 27.4 28.6 43.0#

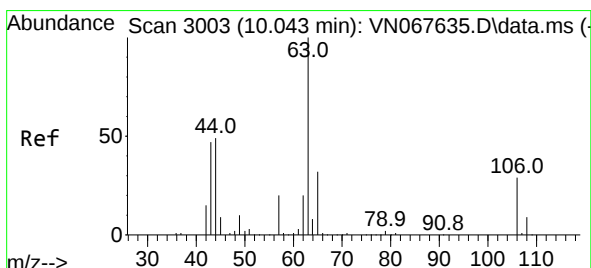
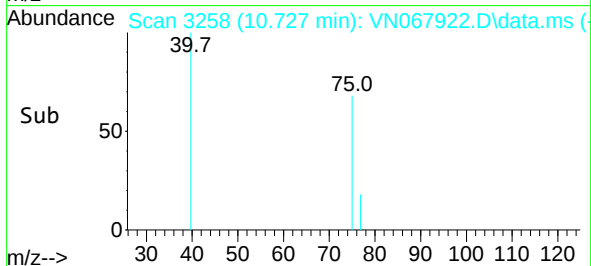
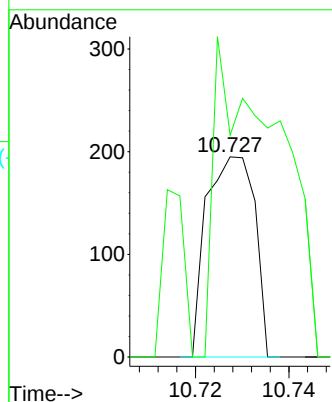
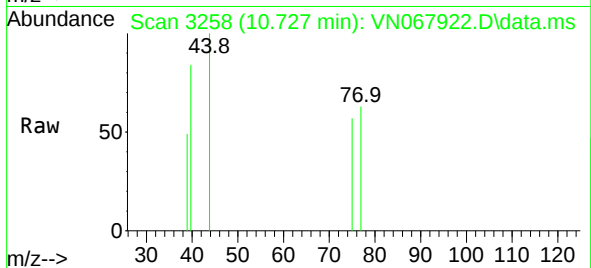




#53
t-1,3-Dichloropropene
Concen: 1.758 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.005 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

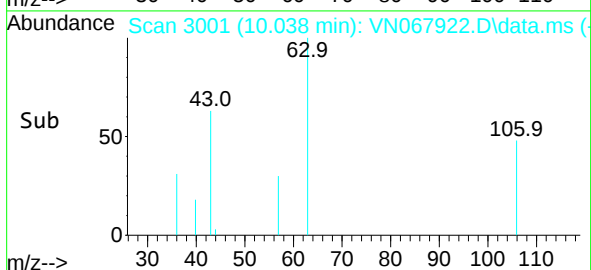
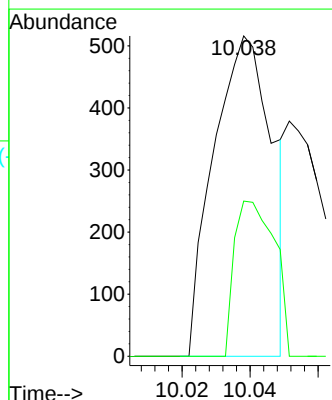
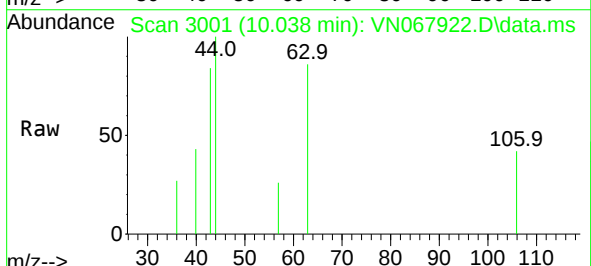
Instrument :
MSVOA_N
ClientSampled :

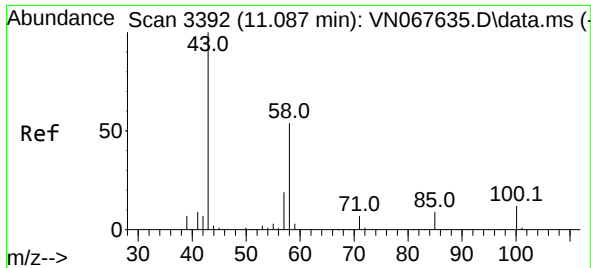
Tgt Ion: 75 Resp: 140
Ion Ratio Lower Upper
75 100
77 30.3 25.1 37.7



#58
2-Chloroethyl Vinyl ether
Concen: 17.243 ug/l
RT: 10.038 min Scan# 3001
Delta R.T. -0.005 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 63 Resp: 614
Ion Ratio Lower Upper
63 100
106 33.6 19.8 29.8#

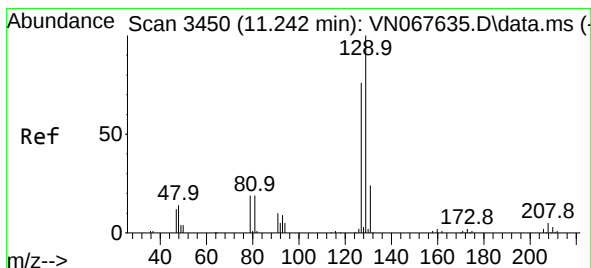
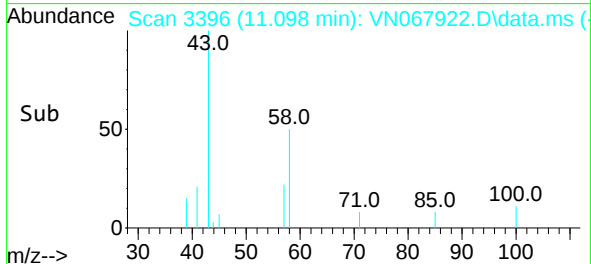
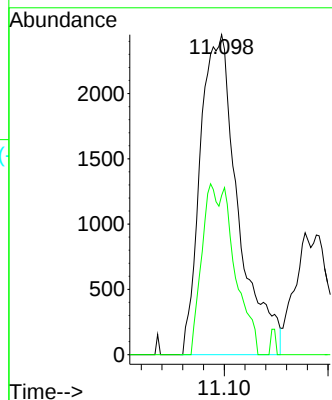
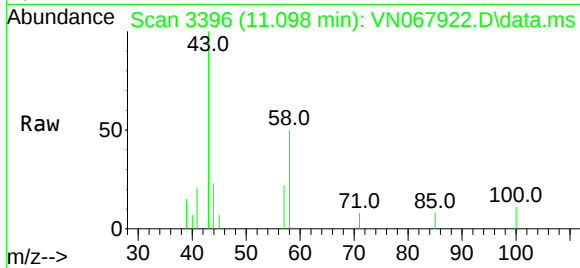




#59
2-Hexanone
Concen: 1.049 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.011 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

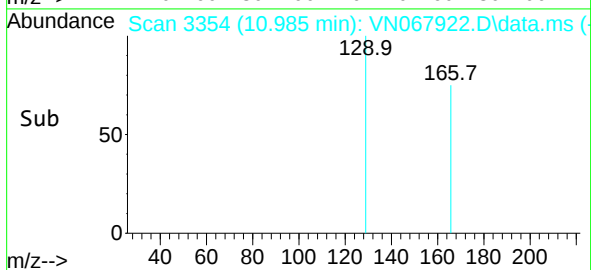
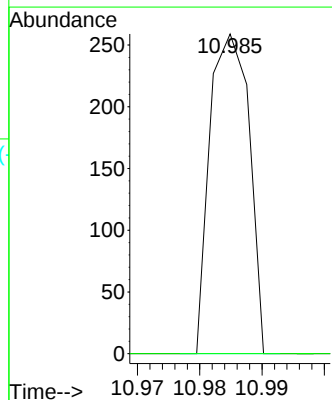
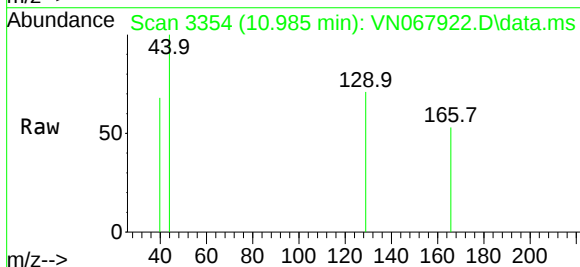
Instrument :
MSVOA_N
ClientSampled :

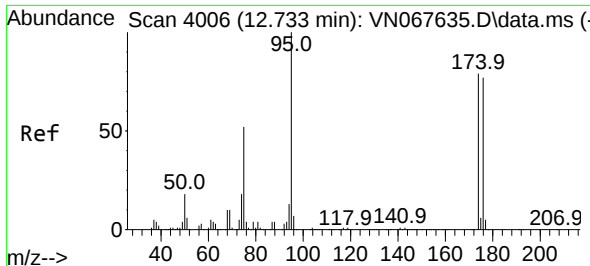
Tgt Ion: 43 Resp: 6191
Ion Ratio Lower Upper
43 100
58 23.8 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.371 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.257 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 129 Resp: 113
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

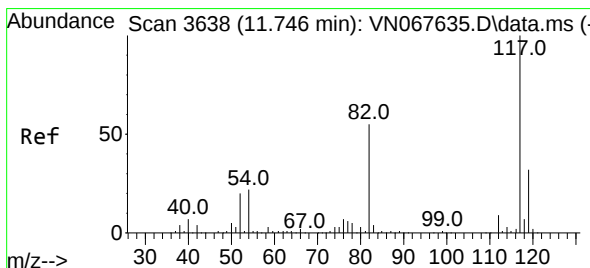
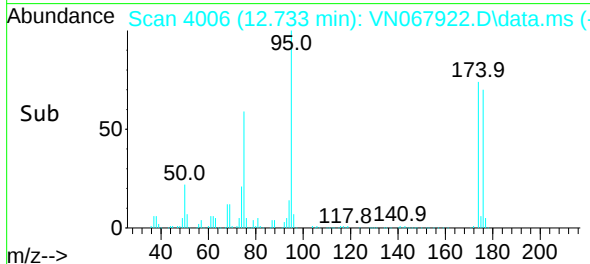
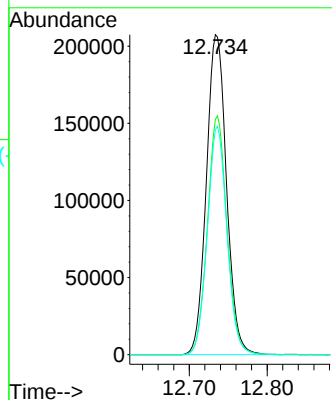
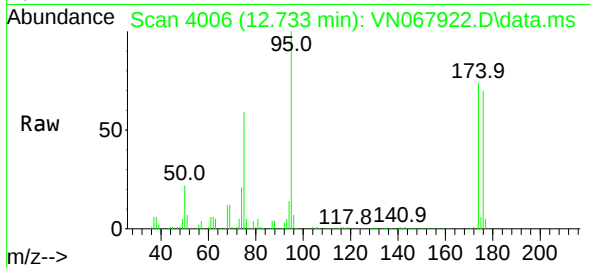




#62
4-Bromofluorobenzene
Concen: 48.096 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

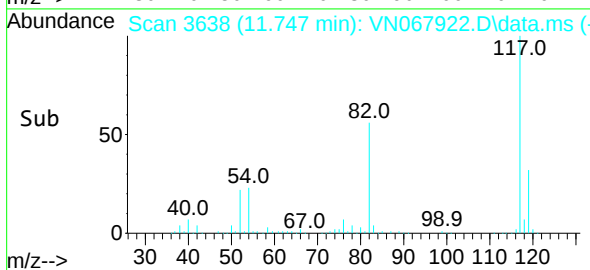
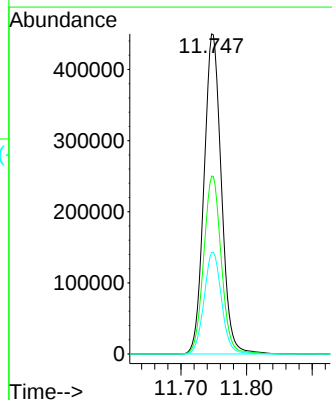
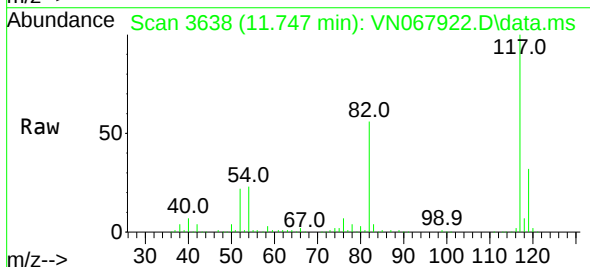
Instrument :
MSVOA_N
ClientSampleId :

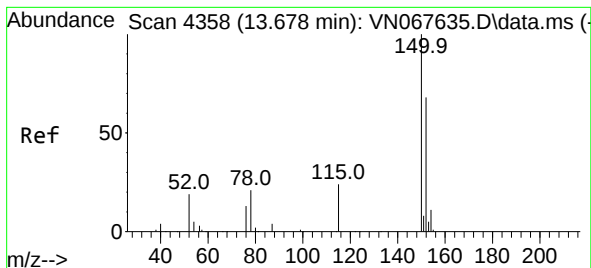
Tgt Ion: 95 Resp: 373374
Ion Ratio Lower Upper
95 100
174 72.6 0.0 122.0
176 69.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 117 Resp: 825542
Ion Ratio Lower Upper
117 100
82 55.6 53.1 79.7
119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.000 min

Lab File: VN067922.D

Acq: 27 Jul 2021 12:23

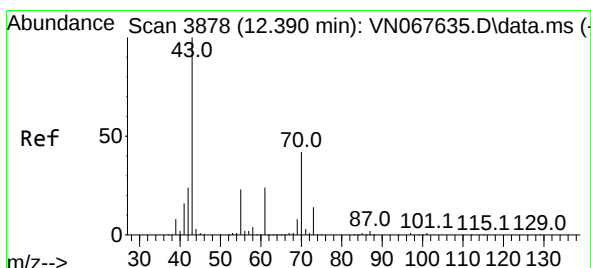
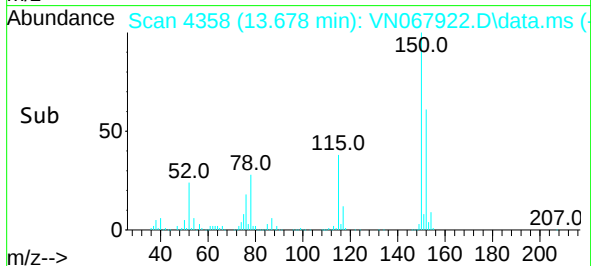
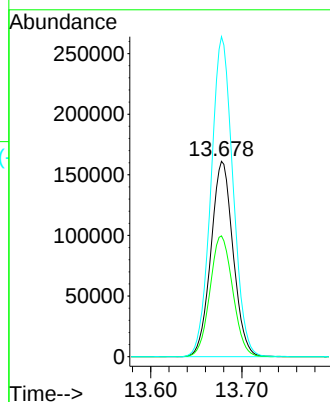
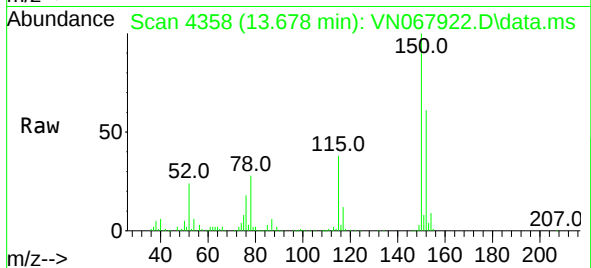
Tgt Ion:152 Resp: 272923

Ion Ratio Lower Upper

152 100

115 63.3 36.1 108.5

150 162.5 0.0 351.8



#74

N-ethyl acetate

Concen: 0.412 ug/l

RT: 12.393 min Scan# 3879

Delta R.T. 0.003 min

Lab File: VN067922.D

Acq: 27 Jul 2021 12:23

Tgt Ion: 43 Resp: 3291

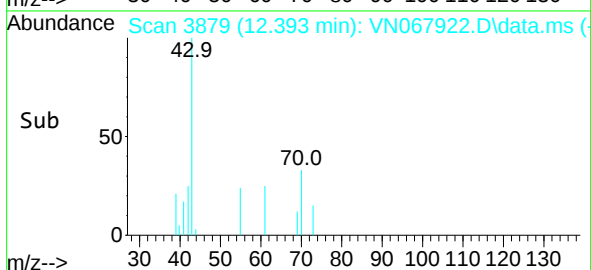
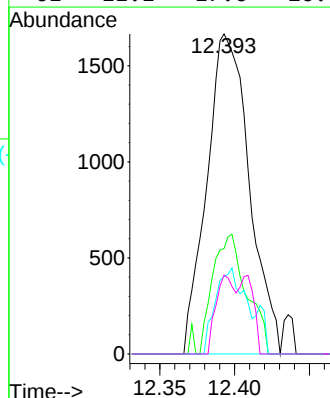
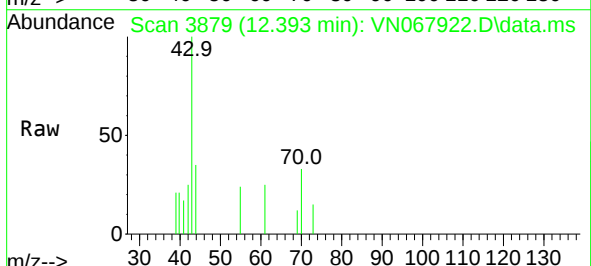
Ion Ratio Lower Upper

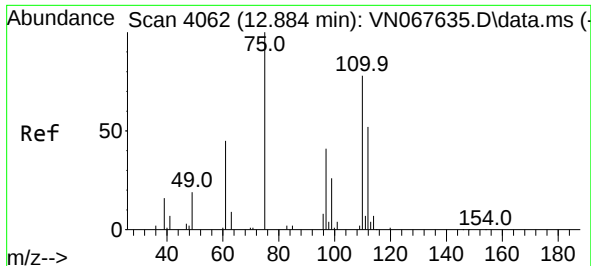
43 100

70 29.8 29.4 44.2

55 18.3 17.0 25.4

61 11.1 17.6 26.4#

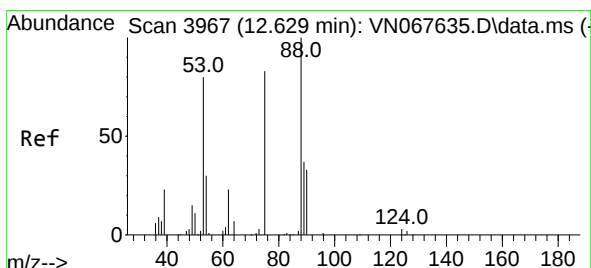
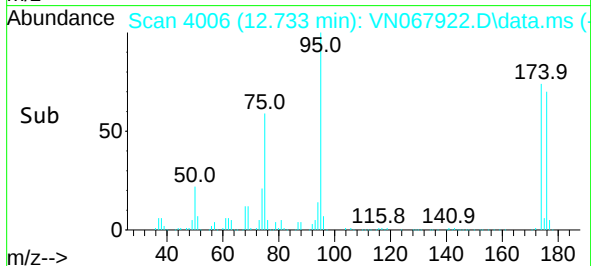
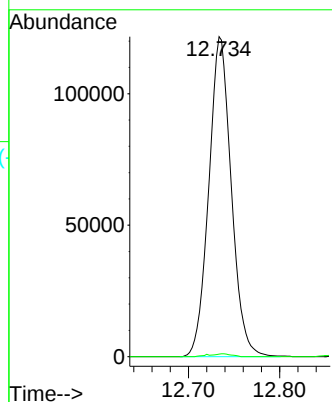
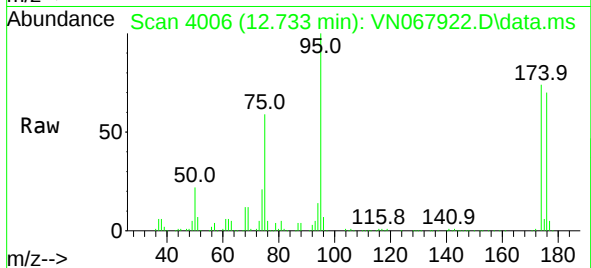




#76
1,2,3-Trichloropropane
Concen: 37.401 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

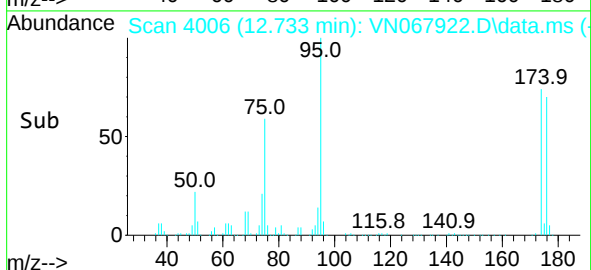
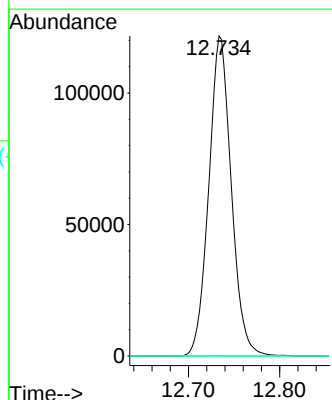
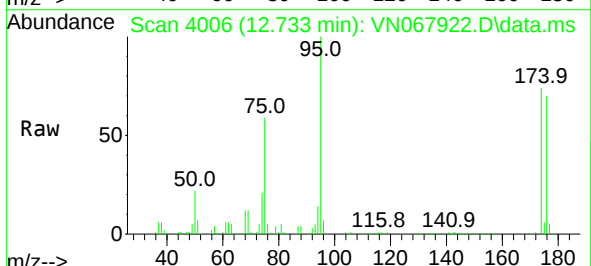
Instrument :
MSVOA_N
ClientSampled :

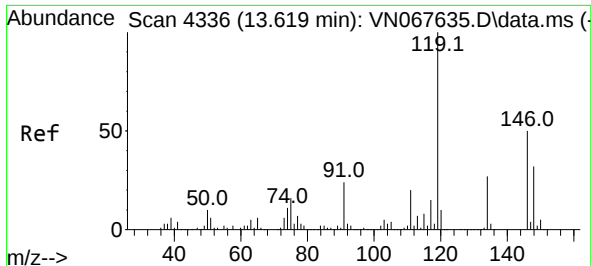
Tgt Ion: 75 Resp: 208457
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.584 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 75 Resp: 208457
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#87

1,3-Dichlorobenzene

Concen: 0.206 ug/l

RT: 13.619 min Scan# 4336

Delta R.T. -0.000 min

Lab File: VN067922.D

Acq: 27 Jul 2021 12:23

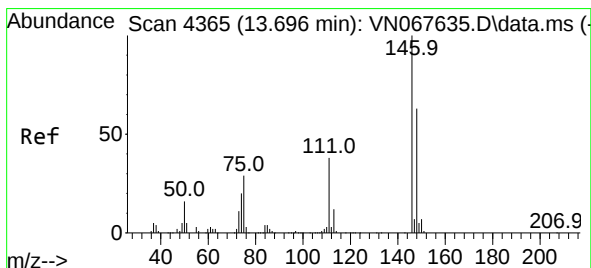
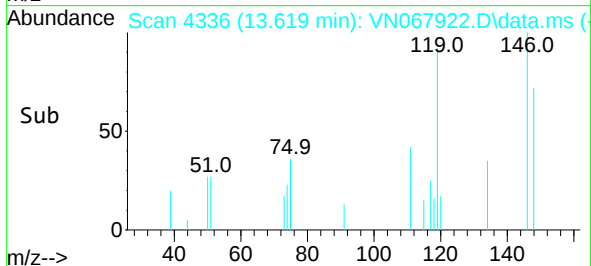
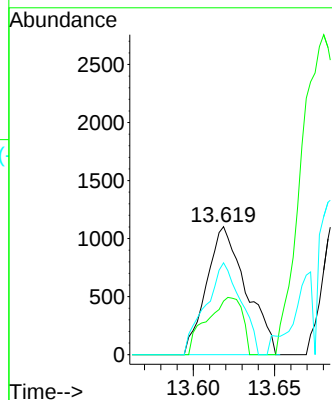
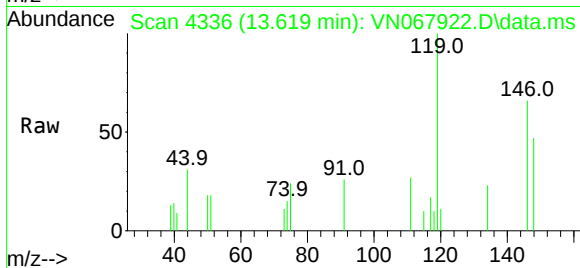
Tgt Ion:146 Resp: 1859

Ion Ratio Lower Upper

146 100

111 40.3 24.3 72.8

148 63.8 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 13.619 min Scan# 4336

Delta R.T. -0.077 min

Lab File: VN067922.D

Acq: 27 Jul 2021 12:23

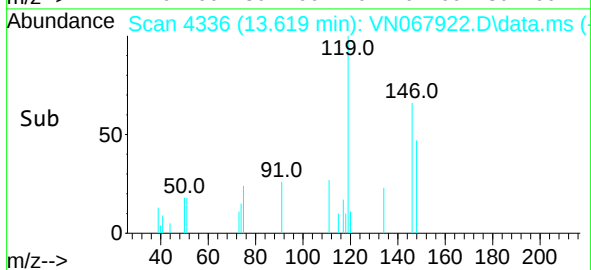
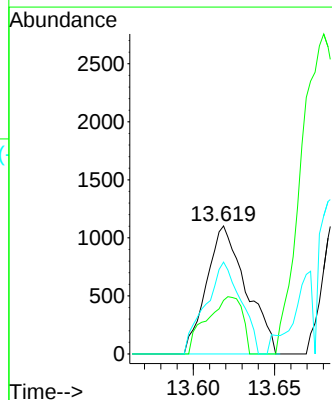
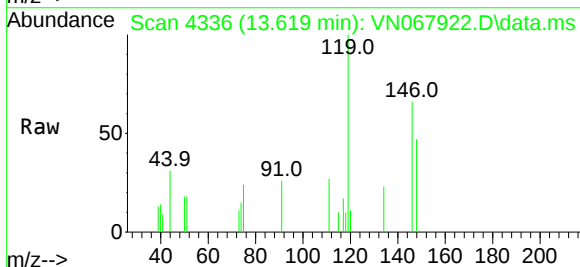
Tgt Ion:146 Resp: 1859

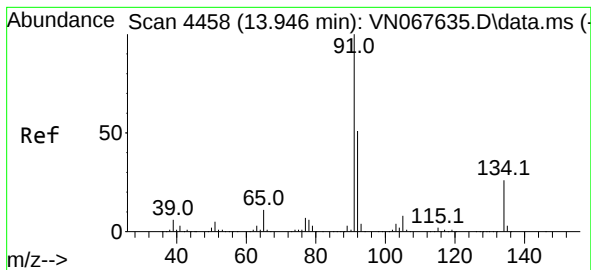
Ion Ratio Lower Upper

146 100

111 40.3 23.4 70.2

148 63.8 31.8 95.3

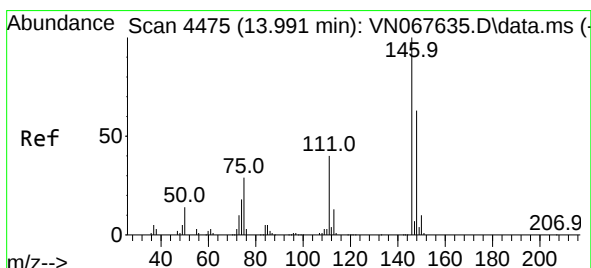
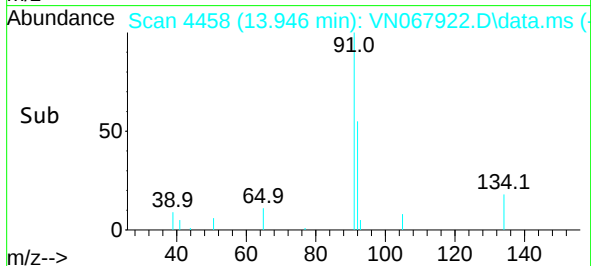
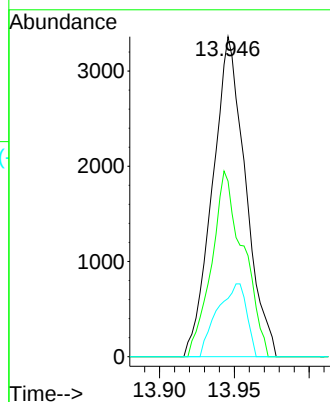
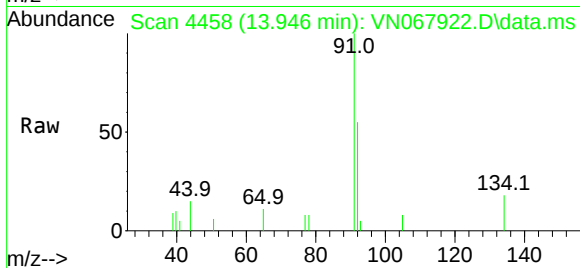




#89
n-Butylbenzene
Concen: 0.354 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

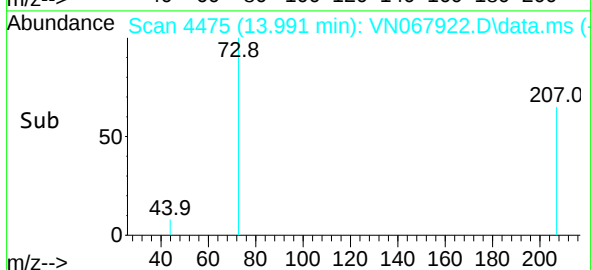
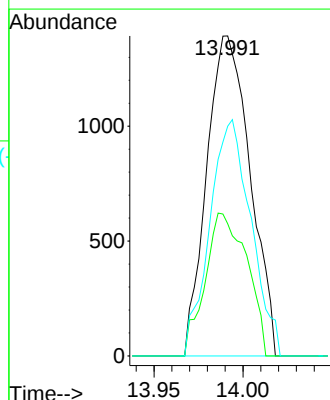
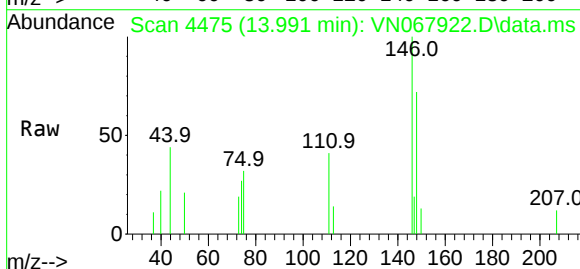
Instrument :
MSVOA_N
ClientSampled :

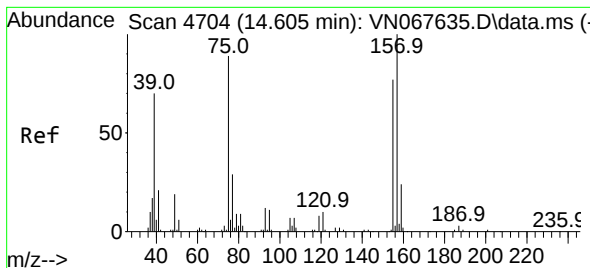
Tgt Ion: 91	Resp:	5161
Ion Ratio	Lower	Upper
91	100	
92	55.8	25.7 77.1
134	20.1	11.2 33.6



#91
1,2-Dichlorobenzene
Concen: 0.271 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 146	Resp:	2362
Ion Ratio	Lower	Upper
146	100	
111	42.8	24.9 74.6
148	70.2	31.6 95.0

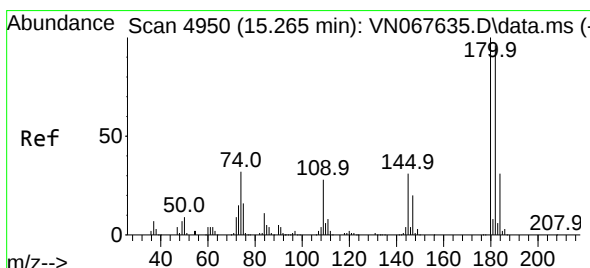
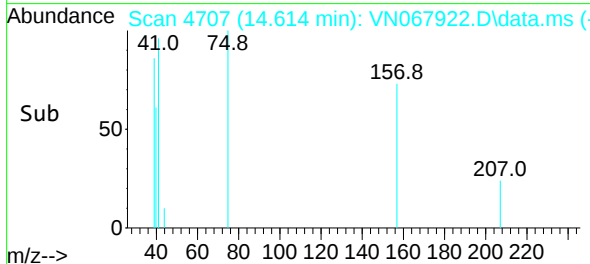
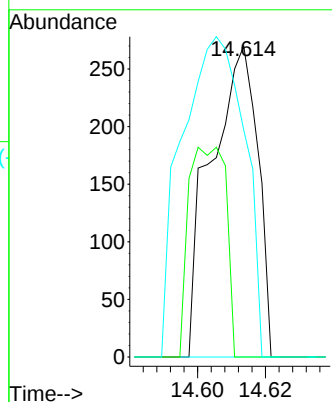
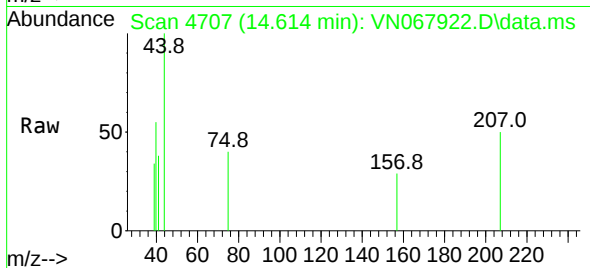




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.231 ug/l
RT: 14.614 min Scan# 4707
Delta R.T. 0.009 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

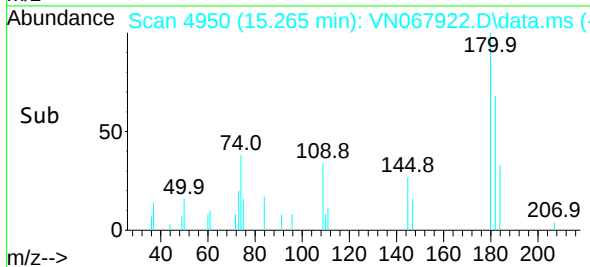
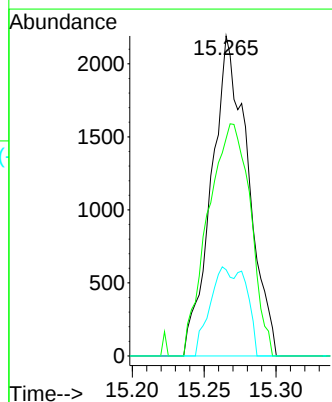
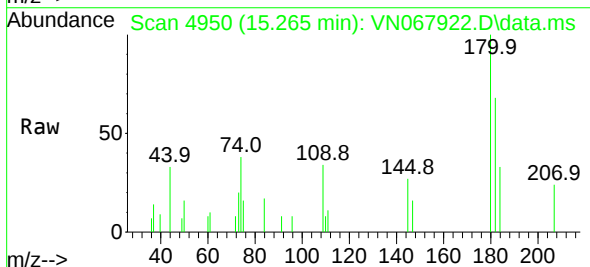
Instrument :
MSVOA_N
ClientSampled :

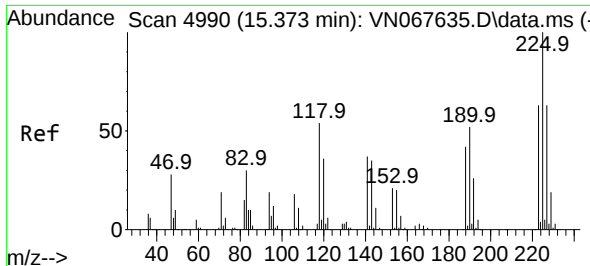
Tgt Ion: 75 Resp: 256
Ion Ratio Lower Upper
75 100
155 53.9 29.8 89.5
157 138.7 37.6 112.8#



#93
1,2,4-Trichlorobenzene
Concen: 3.478 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

Tgt Ion: 180 Resp: 3858
Ion Ratio Lower Upper
180 100
182 84.3 47.5 142.5
145 17.9 17.2 51.6

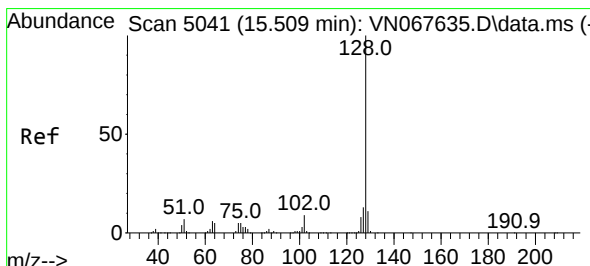
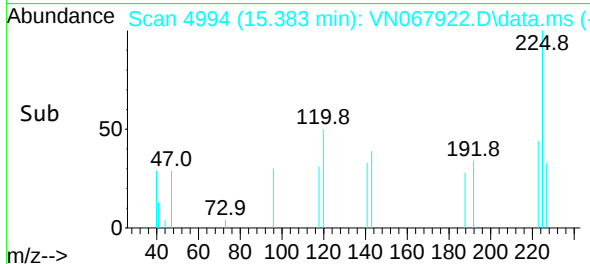
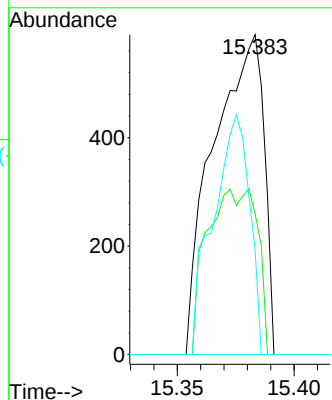
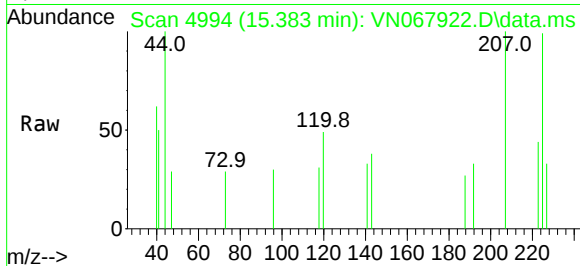




#94
Hexachlorobutadiene
Concen: 0.480 ug/l
RT: 15.383 min Scan# 4994
Delta R.T. 0.010 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

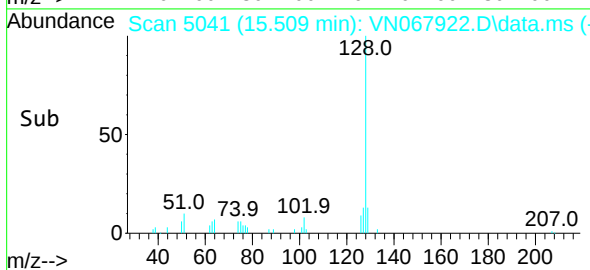
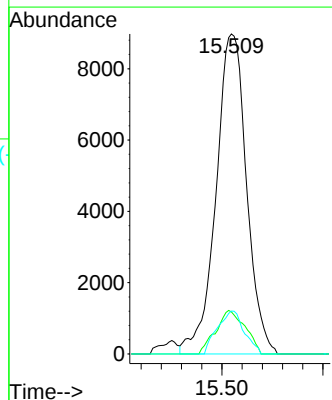
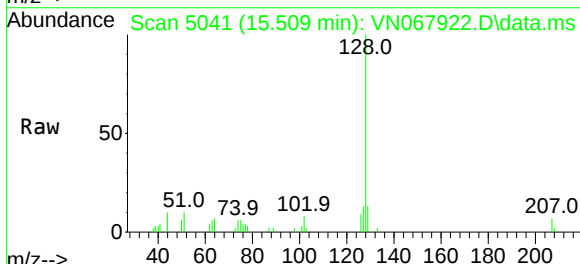
Instrument :
MSVOA_N
ClientSampled :

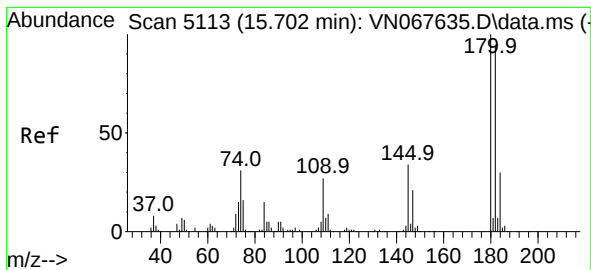
Tgt Ion:225 Resp: 880
Ion Ratio Lower Upper
225 100
223 32.5 31.4 94.0
227 54.7 31.2 93.6



#95
Naphthalene
Concen: 4.337 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067922.D
Acq: 27 Jul 2021 12:23

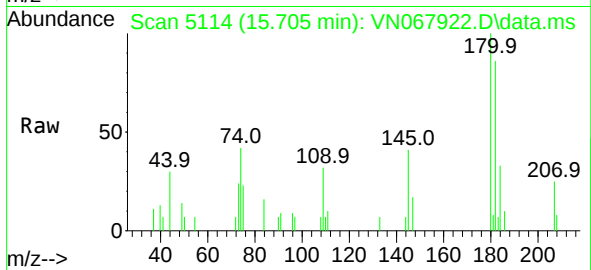
Tgt Ion:128 Resp: 18842
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.8 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.713 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067922.D
 Acq: 27 Jul 2021 12:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	4970
Ion	Ratio	Lower	Upper
180	100		
182	52.4	47.8	143.3
145	32.4	18.2	54.6

