

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060421\
 Data File : VN067207.D
 Acq On : 4 Jun 2021 20:03
 Operator : JC/MD
 Sample : VN0604WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604WBL01

Quant Time: Jun 05 05:30:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

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

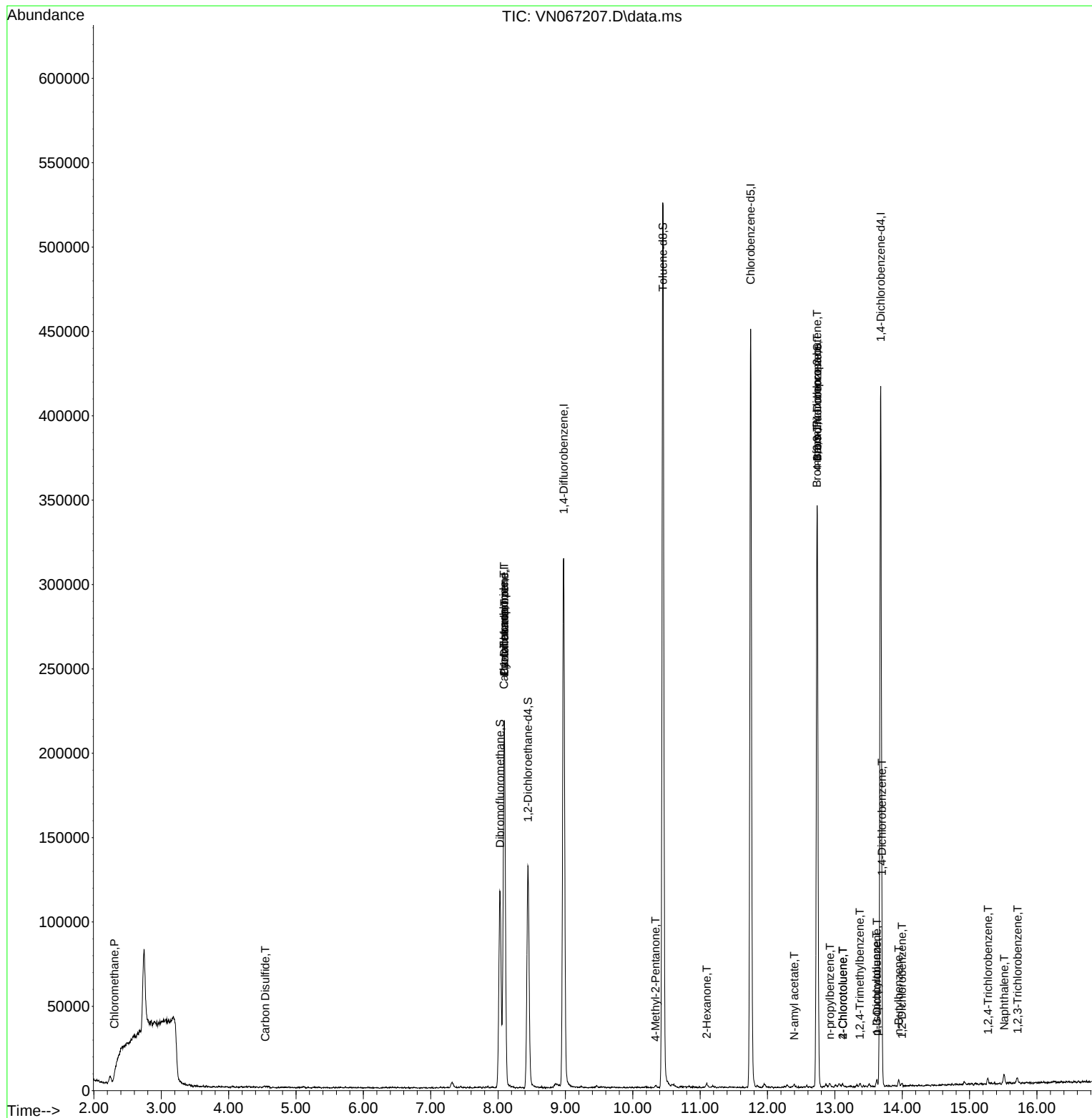
Internal Standards						
1) Pentafluorobenzene	8.094	168	166165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	287240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	257481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	105787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.445	65	106465	47.004	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.000%		
35) Dibromofluoromethane	8.029	113	84995	47.731	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.460%		
50) Toluene-d8	10.446	98	363424	50.112	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.220%		
62) 4-Bromofluorobenzene	12.739	95	115265	41.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	82.540%		
Target Compounds			Qvalue			
3) Chloromethane	2.303	50	737	0.313	ug/l	99
13) Acrolein	4.041	56	220	Below Cal	#	71
17) Carbon Disulfide	4.543	76	1734	0.375	ug/l #	74
31) Cyclohexane	8.094	56	4377	1.439	ug/l #	16
36) 1,1-Dichloropropene	8.091	75	13422	5.060	ug/l #	48
38) Carbon Tetrachloride	8.088	117	16452	5.679	ug/l #	15
51) 4-Methyl-2-Pentanone	10.338	43	724	0.254	ug/l #	57
59) 2-Hexanone	11.097	43	1744	0.842	ug/l	90
71) Bromoform	12.733	173	559	0.325	ug/l #	1
74) N-amyl acetate	12.395	43	875	0.270	ug/l #	55
76) 1,2,3-Trichloropropane	12.736	75	62986	30.961	ug/l #	100
78) n-propylbenzene	12.926	91	2245	0.239	ug/l	85
79) 2-Chlorotoluene	13.117	91	1684	0.296	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.736	75	62986	75.753	ug/l #	15
82) 4-Chlorotoluene	13.117	91	1684	0.308	ug/l	85
84) 1,2,4-Trimethylbenzene	13.369	105	1482	0.214	ug/l	75
86) p-Isopropyltoluene	13.618	119	1496	0.204	ug/l #	70
87) 1,3-Dichlorobenzene	13.624	146	1057	0.302	ug/l #	85
88) 1,4-Dichlorobenzene	13.699	146	1531	0.433	ug/l #	72
89) n-Butylbenzene	13.946	91	2680	0.406	ug/l	86
91) 1,2-Dichlorobenzene	13.997	146	944	0.274	ug/l	91
93) 1,2,4-Trichlorobenzene	15.273	180	1188	0.751	ug/l	93
95) Naphthalene	15.515	128	5152	5.423	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.713	180	1414	1.007	ug/l	98

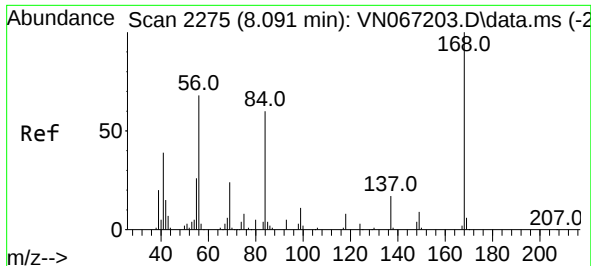
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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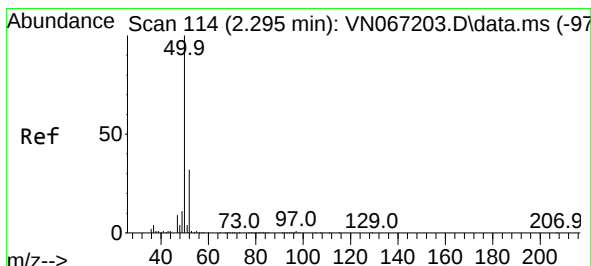
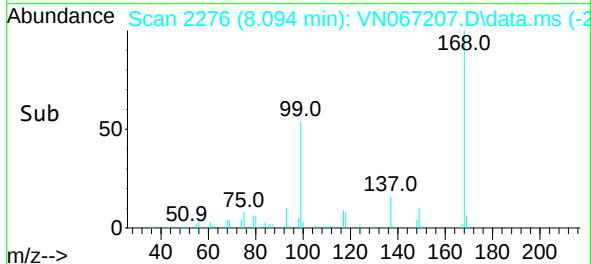
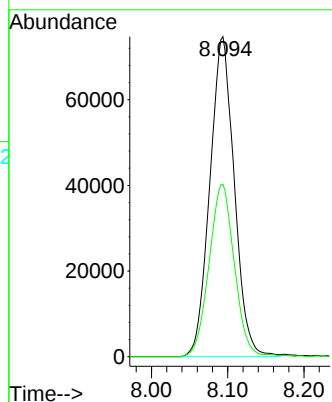
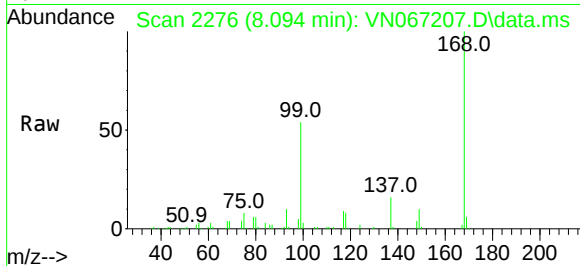




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

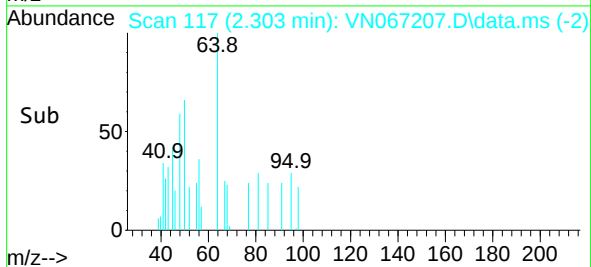
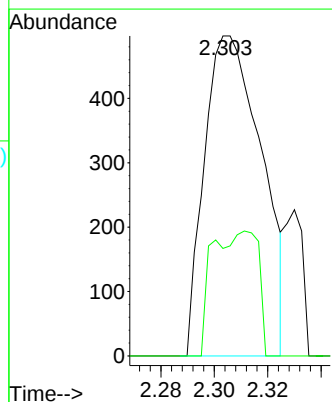
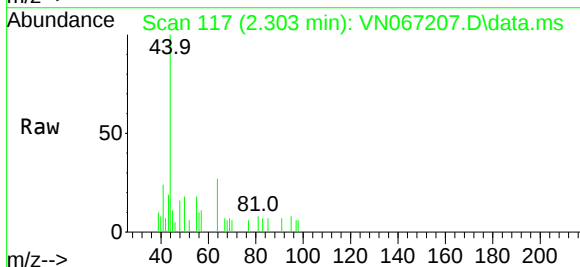
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

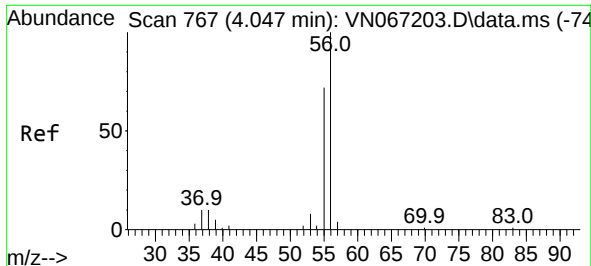
Tgt Ion:168 Resp: 166165
Ion Ratio Lower Upper
168 100
99 53.9 38.5 57.7



#3
Chloromethane
Concen: 0.313 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.008 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion: 50 Resp: 737
Ion Ratio Lower Upper
50 100
52 33.6 26.5 39.7

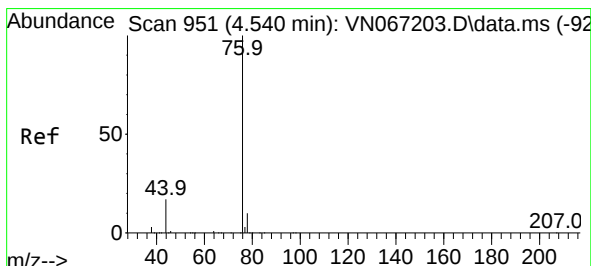
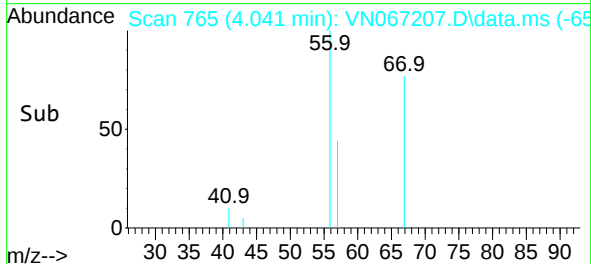
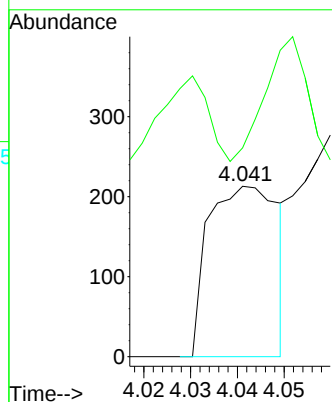
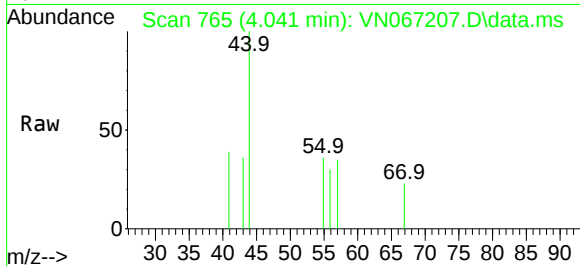




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. -0.006 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

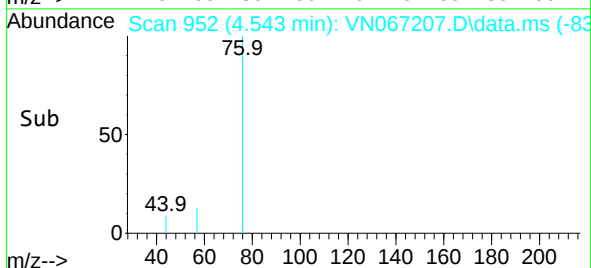
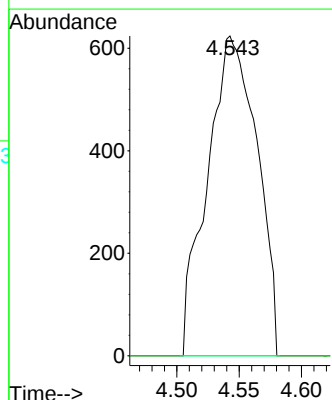
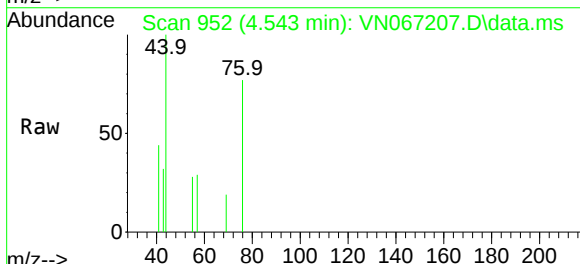
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

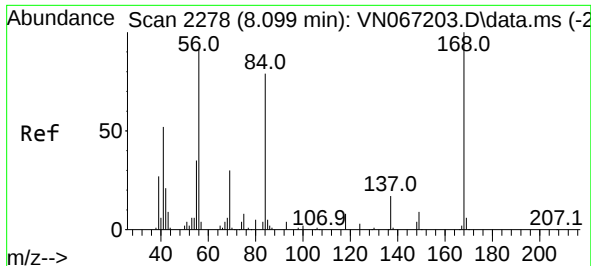
Tgt Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 43.6 53.8 80.6#



#17
Carbon Disulfide
Concen: 0.375 ug/l
RT: 4.543 min Scan# 952
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

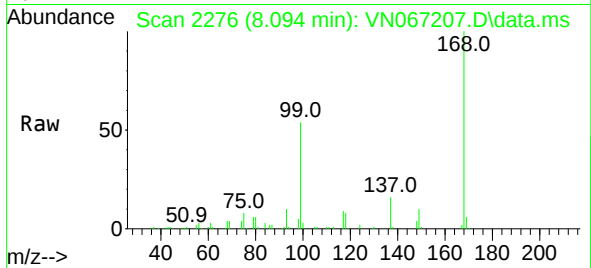
Tgt Ion: 76 Resp: 1734
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



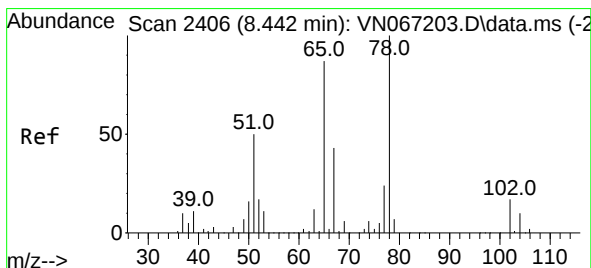
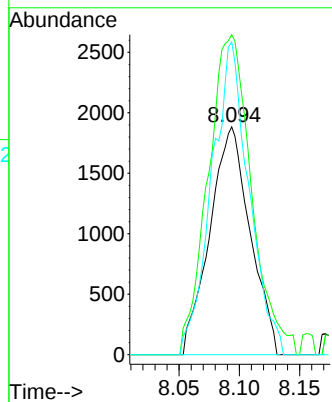
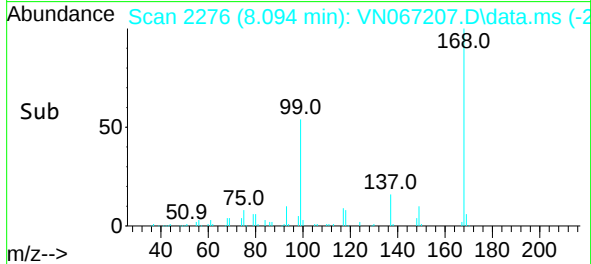


#31
Cyclohexane
Concen: 1.439 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.005 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

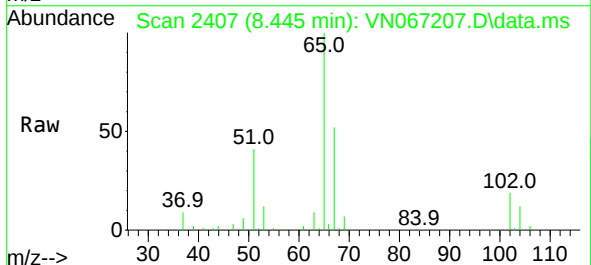
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01



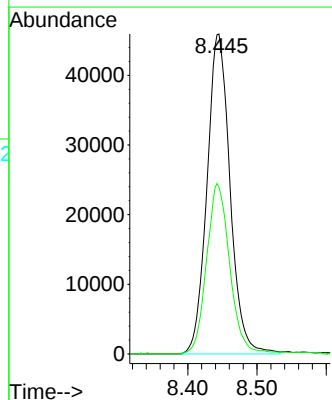
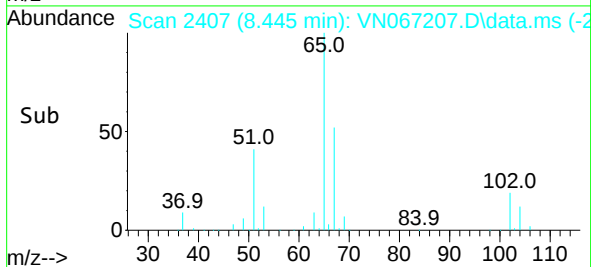
Tgt Ion: 56 Resp: 4377
Ion Ratio Lower Upper
56 100
69 140.4 28.0 42.0#
84 137.2 74.2 111.2#

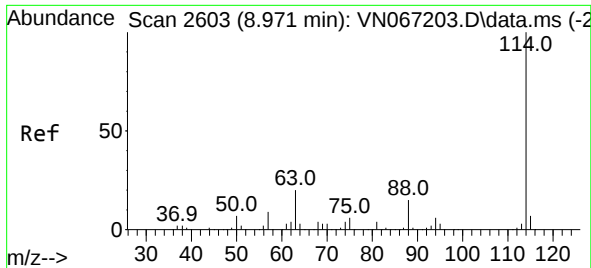


#33
1,2-Dichloroethane-d4
Concen: 47.004 ug/l
RT: 8.445 min Scan# 2407
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03



Tgt Ion: 65 Resp: 106465
Ion Ratio Lower Upper
65 100
67 53.3 0.0 110.4

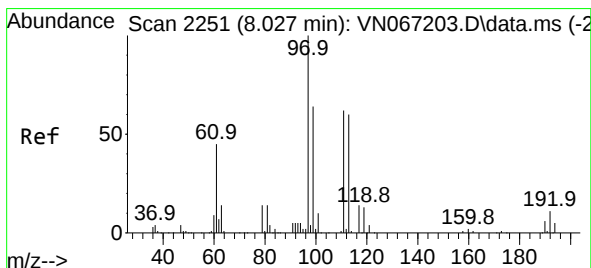
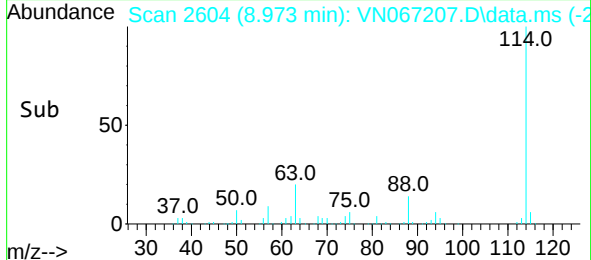
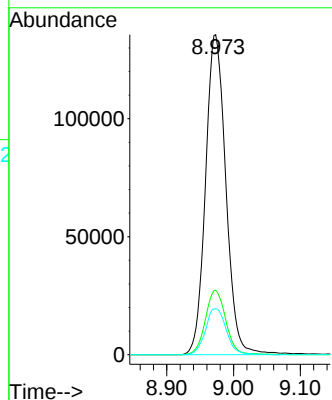
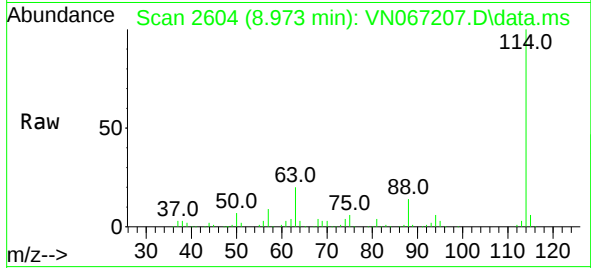




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

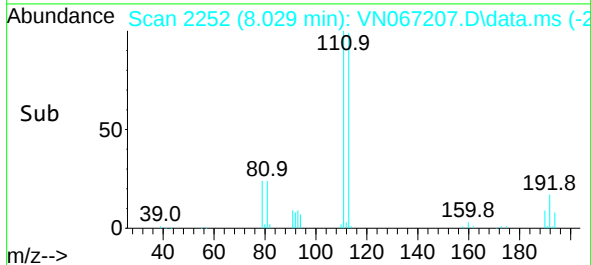
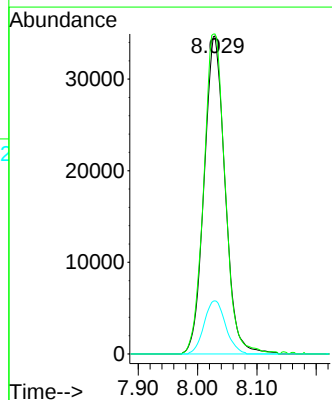
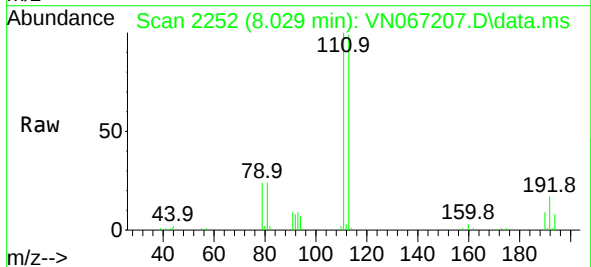
Instrument :
MSVOA_N
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VN0604WBL01

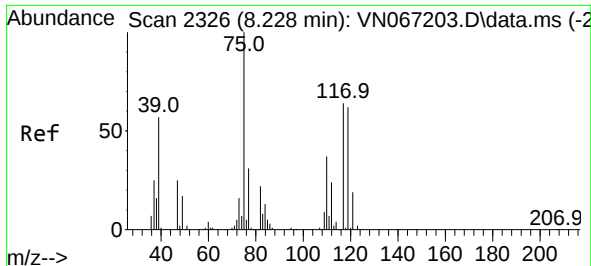
Tgt Ion:114 Resp: 287240
Ion Ratio Lower Upper
114 100
63 20.2 0.0 35.8
88 14.4 0.0 30.4



#35
Dibromofluoromethane
Concen: 47.731 ug/l
RT: 8.029 min Scan# 2252
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

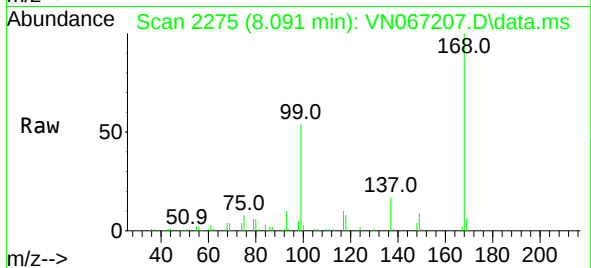
Tgt Ion:113 Resp: 84995
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 17.2 18.2 27.4#



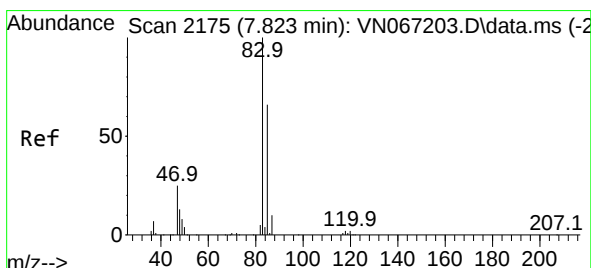
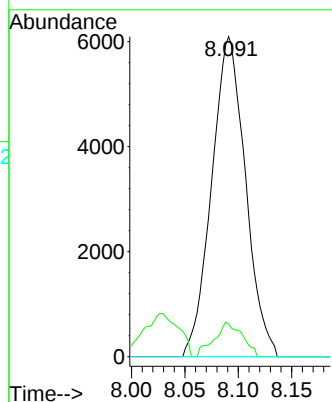
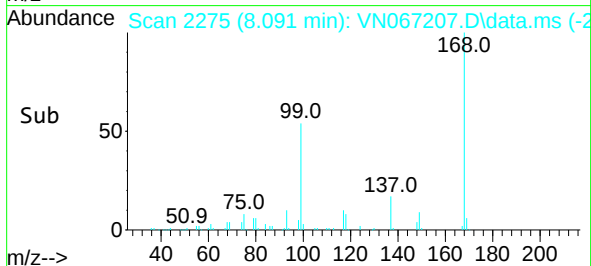


#36
 1,1-Dichloropropene
 Concen: 5.060 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.137 min
 Lab File: VN067207.D
 Acq: 4 Jun 2021 20:03

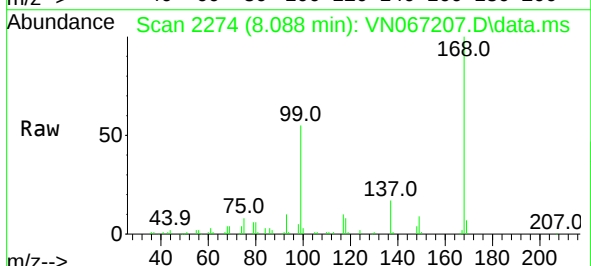
Instrument :
 MSVOA_N
 ClientSampleId :
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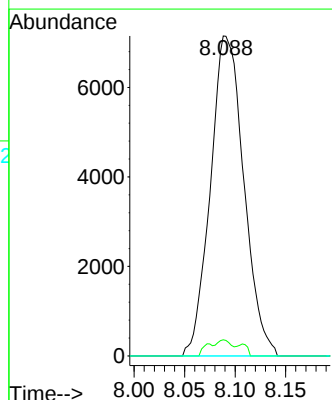
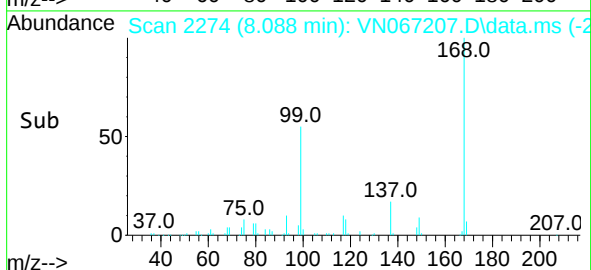
Tgt Ion: 75 Resp: 13422
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.1 57.3#
 77 0.0 24.8 37.2#

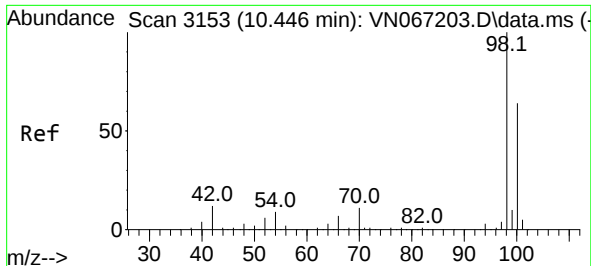


#38
 Carbon Tetrachloride
 Concen: 5.679 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.123 min
 Lab File: VN067207.D
 Acq: 4 Jun 2021 20:03



Tgt Ion: 117 Resp: 16452
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.2 117.2#
 121 0.0 24.7 37.1#

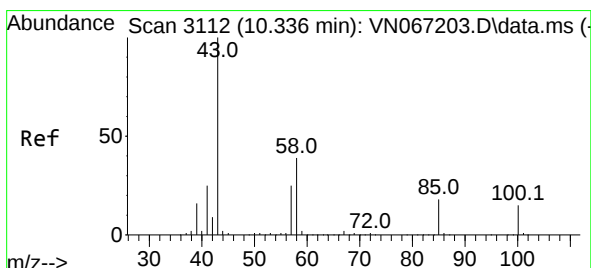
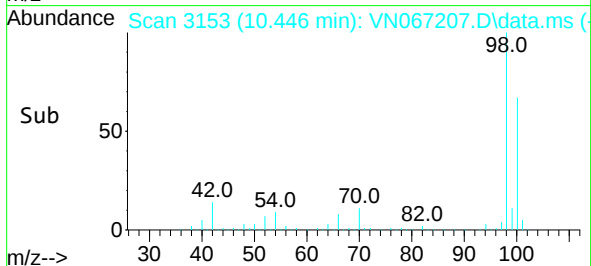
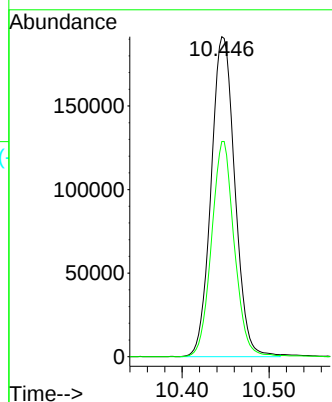
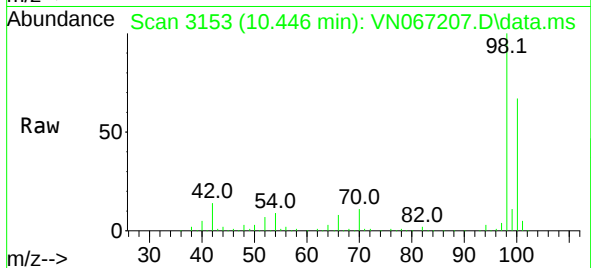




#50
Toluene-d8
Concen: 50.112 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

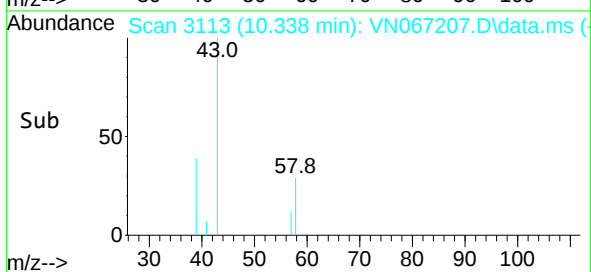
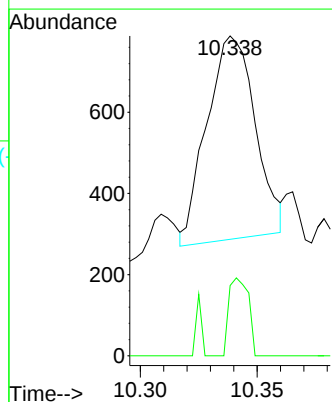
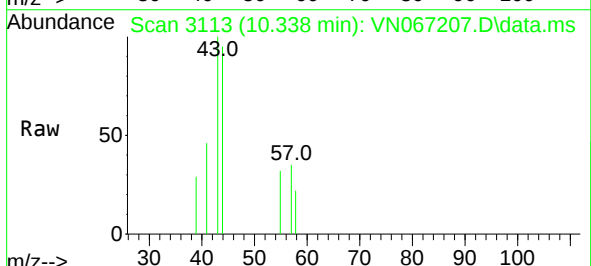
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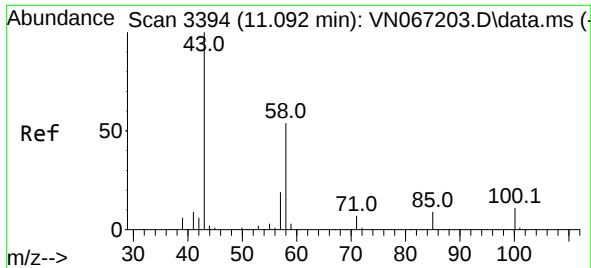
Tgt Ion: 98 Resp: 363424
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.254 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.002 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
58 15.5 34.5 51.7#

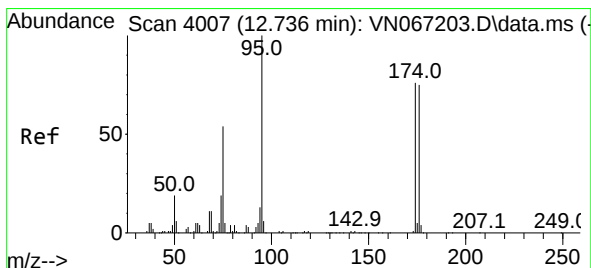
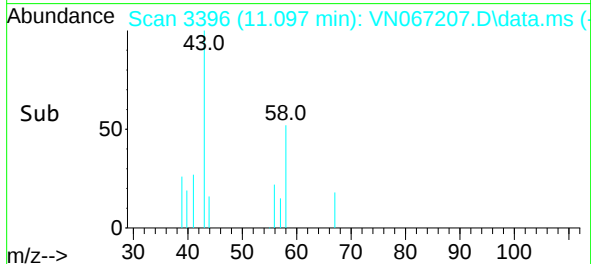
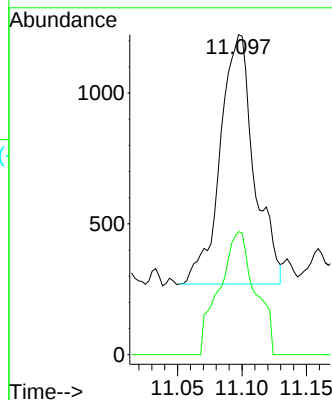
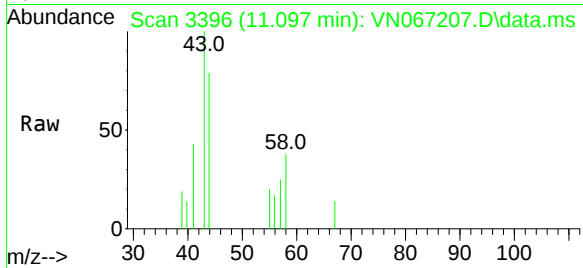




#59
2-Hexanone
Concen: 0.842 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.005 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

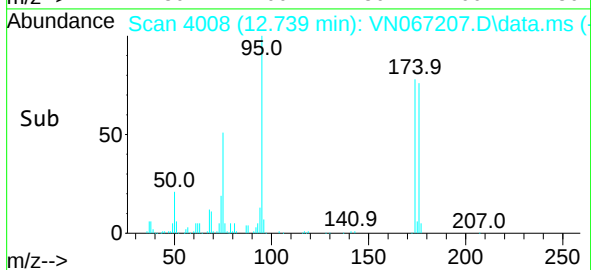
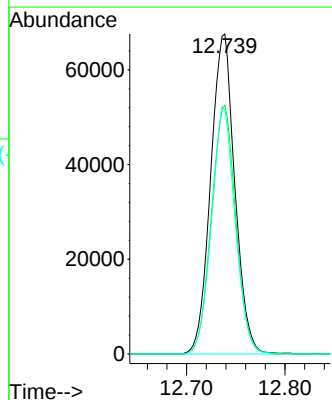
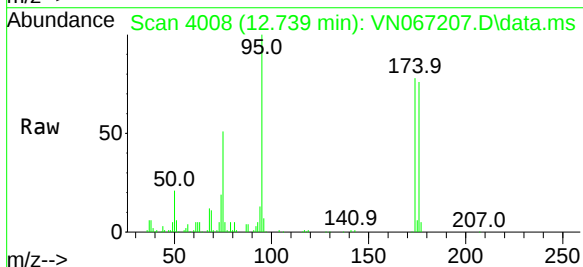
Instrument :
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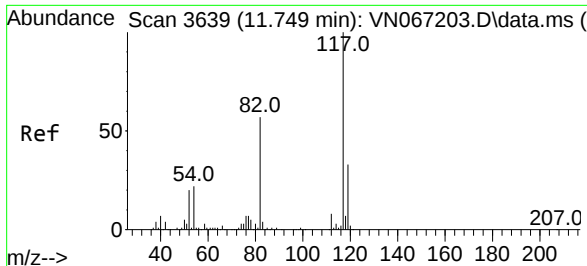
Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
58 52.2 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 41.267 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

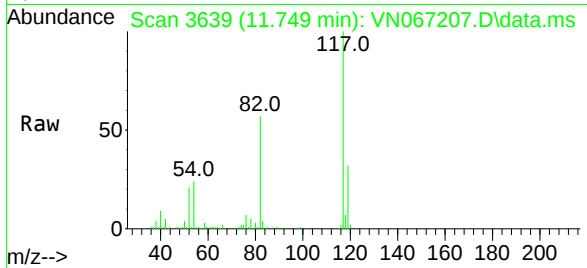
Tgt Ion: 95 Resp: 115265
Ion Ratio Lower Upper
95 100
174 78.5 0.0 182.8
176 75.6 0.0 176.6



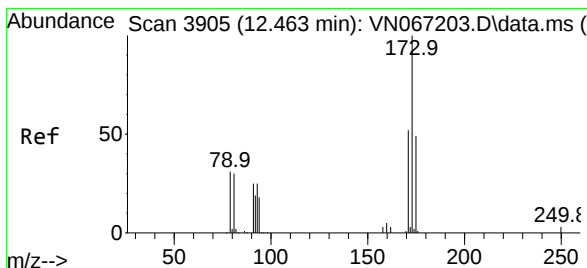
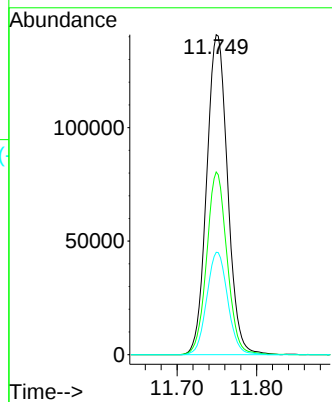
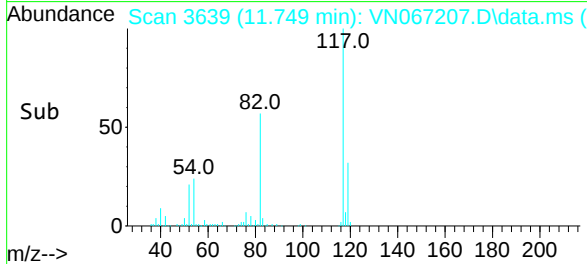


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

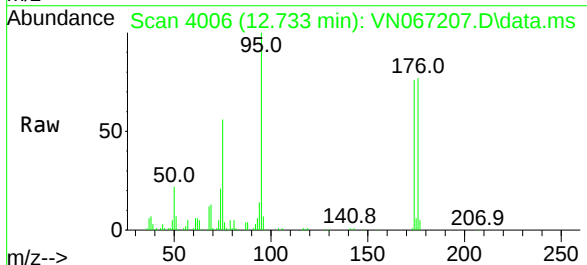
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01



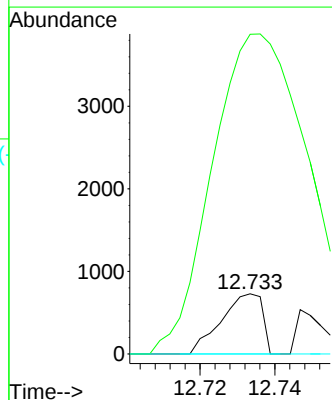
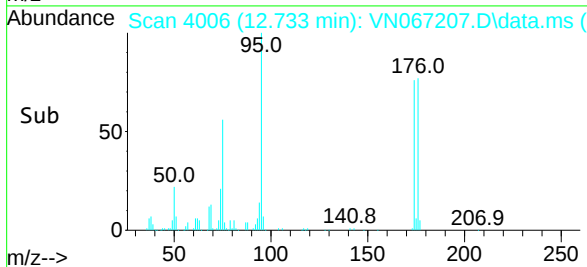
Tgt Ion:117 Resp: 257481
Ion Ratio Lower Upper
117 100
82 57.1 42.2 63.2
119 32.0 25.8 38.6

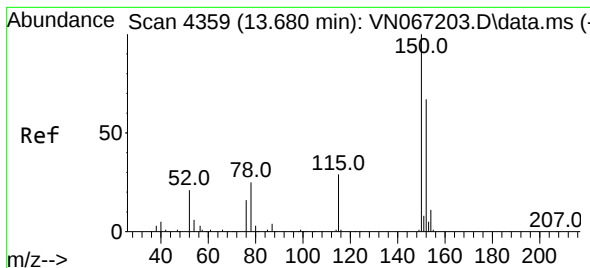


#71
Bromoform
Concen: 0.325 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.271 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03



Tgt Ion:173 Resp: 559
Ion Ratio Lower Upper
173 100
175 1154.4 24.3 73.0#
254 0.0 0.0 0.0

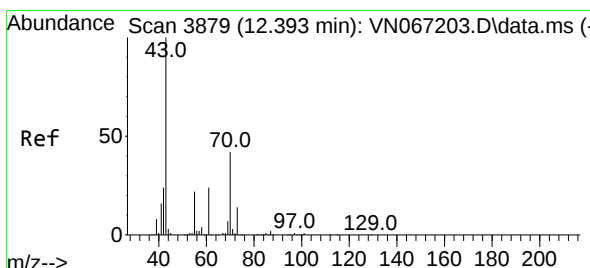
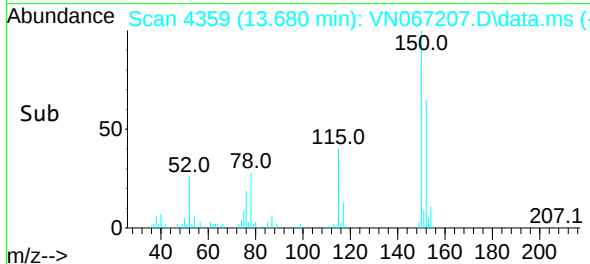
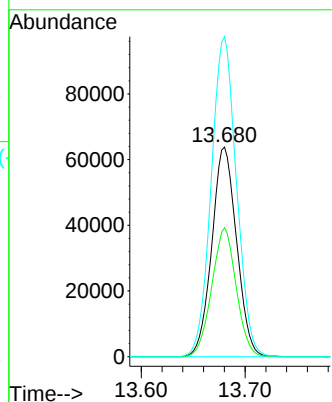
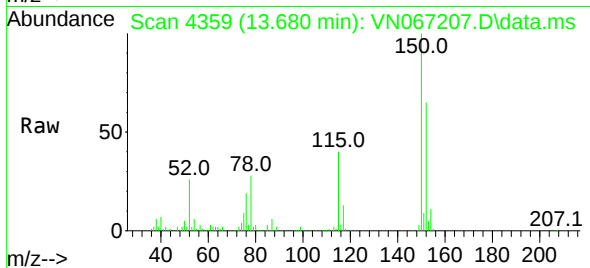




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. -0.000 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

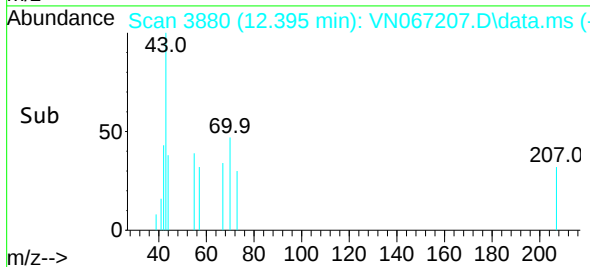
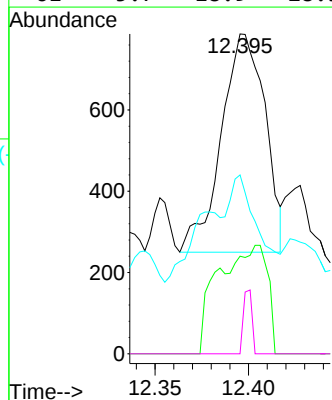
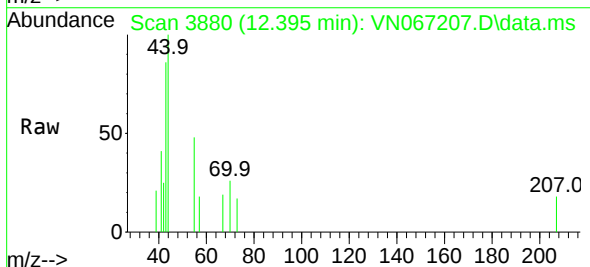
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

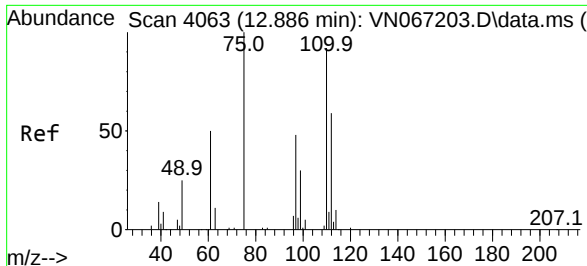
Tgt Ion:152 Resp: 105787
Ion Ratio Lower Upper
152 100
115 60.6 27.0 80.8
150 155.4 0.0 350.2



#74
N-ethyl acetate
Concen: 0.270 ug/l
RT: 12.395 min Scan# 3880
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
70 0.0 36.7 55.1#
55 20.0 17.6 26.4
61 5.7 18.9 28.3#

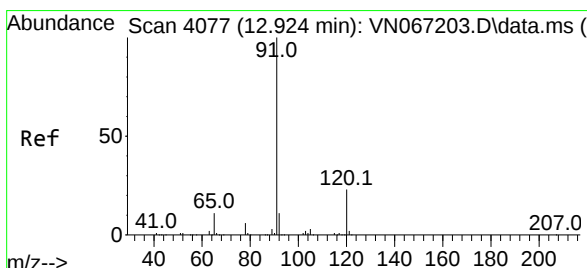
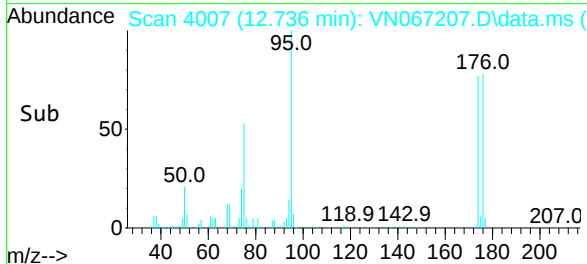
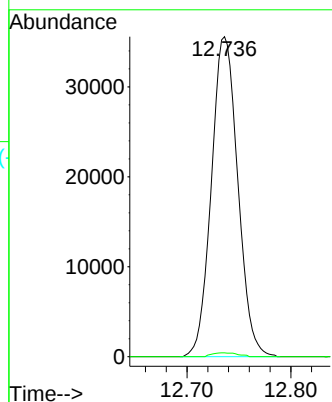
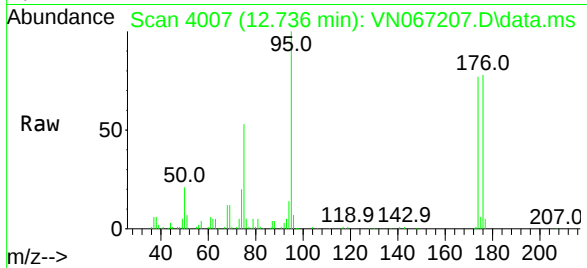




#76
1,2,3-Trichloropropane
Concen: 30.961 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

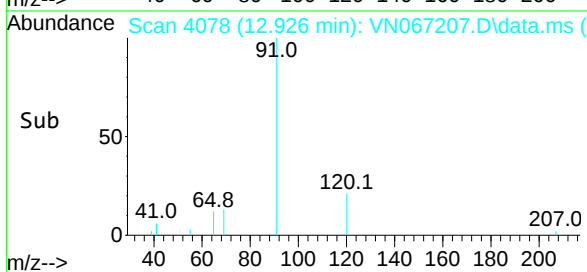
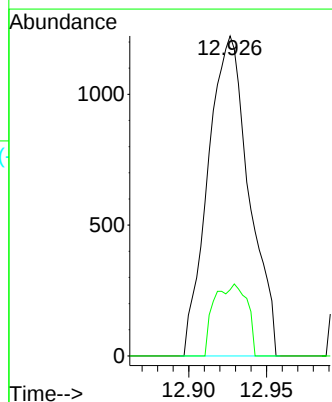
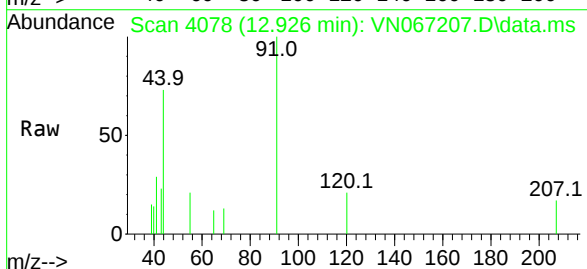
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

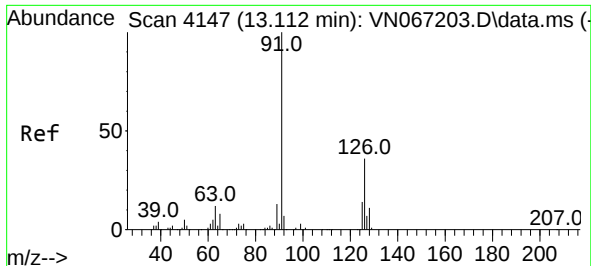
Tgt Ion: 75 Resp: 62986
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#78
n-propylbenzene
Concen: 0.239 ug/l
RT: 12.926 min Scan# 4078
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion: 91 Resp: 2245
Ion Ratio Lower Upper
91 100
120 17.9 12.7 38.0

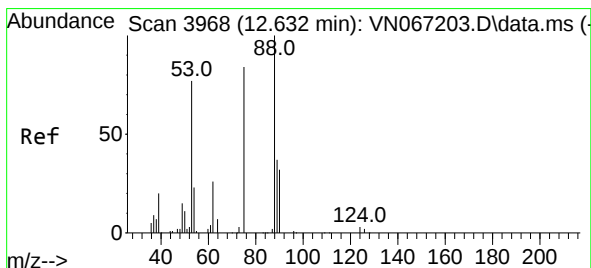
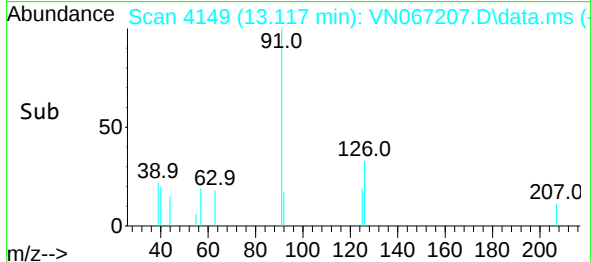
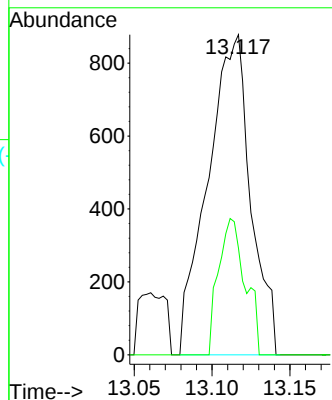
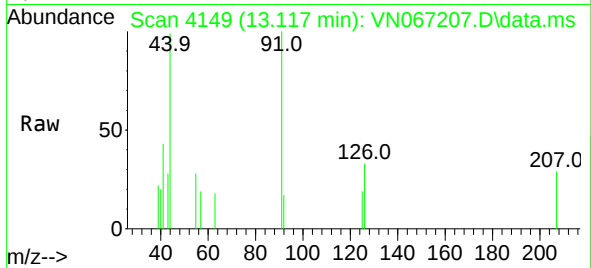




#79
2-Chlorotoluene
Concen: 0.296 ug/l
RT: 13.117 min Scan# 4149
Delta R.T. 0.005 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

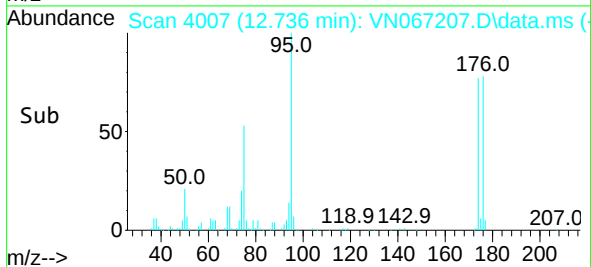
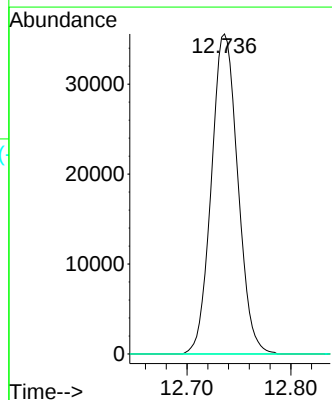
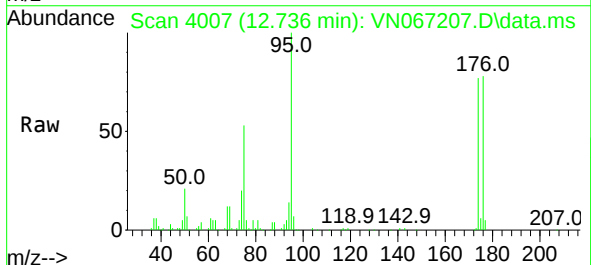
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

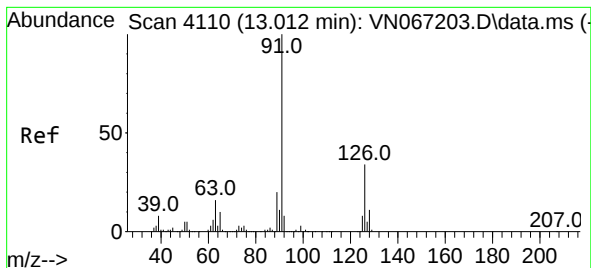
Tgt Ion: 91 Resp: 1684
Ion Ratio Lower Upper
91 100
126 26.4 18.3 54.8



#81
trans-1,4-Dichloro-2-butene
Concen: 75.753 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion: 75 Resp: 62986
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

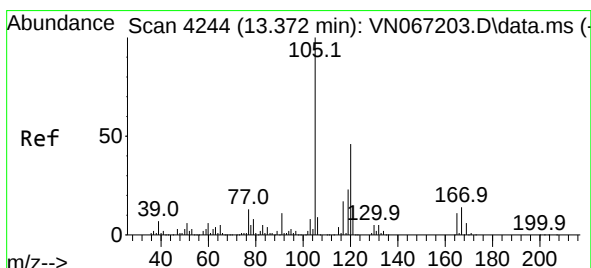
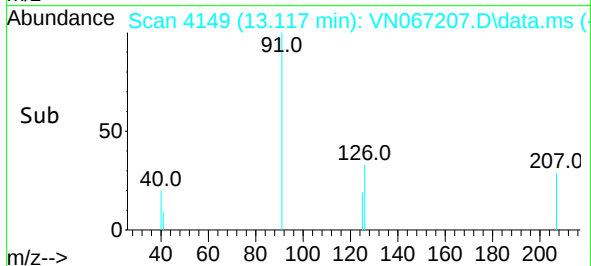
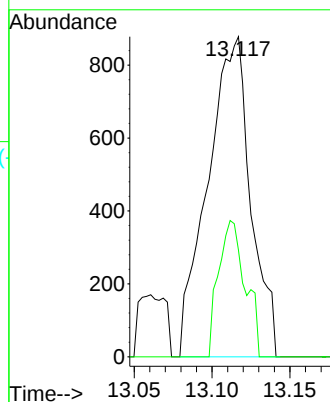
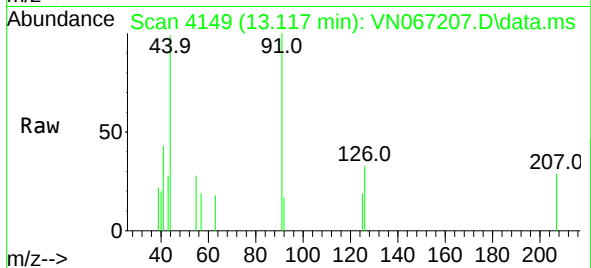




#82
4-Chlorotoluene
Concen: 0.308 ug/l
RT: 13.117 min Scan# 4149
Delta R.T. 0.105 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

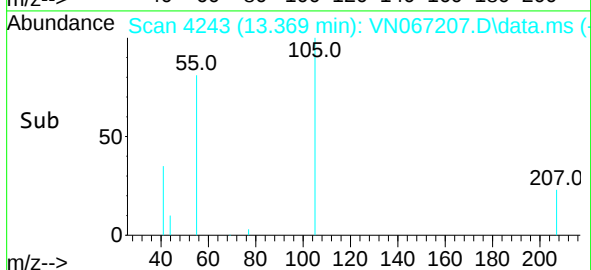
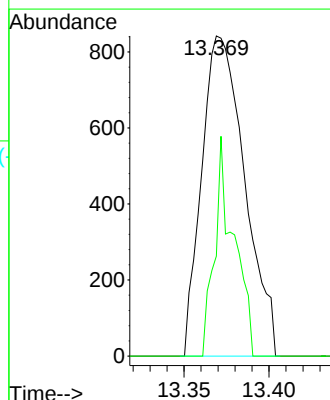
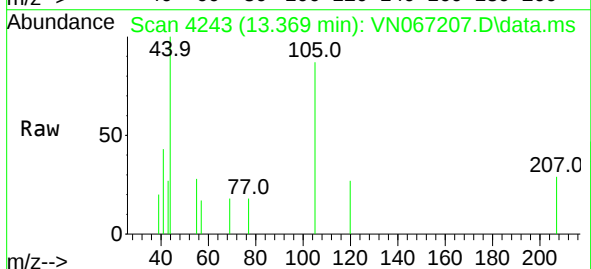
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

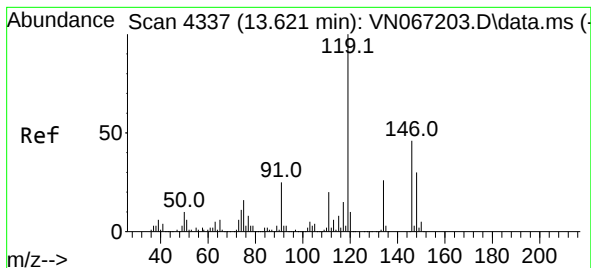
Tgt Ion: 91 Resp: 1684
Ion Ratio Lower Upper
91 100
126 26.4 17.7 53.1



#84
1,2,4-Trimethylbenzene
Concen: 0.214 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion: 105 Resp: 1482
Ion Ratio Lower Upper
105 100
120 30.8 23.8 71.2

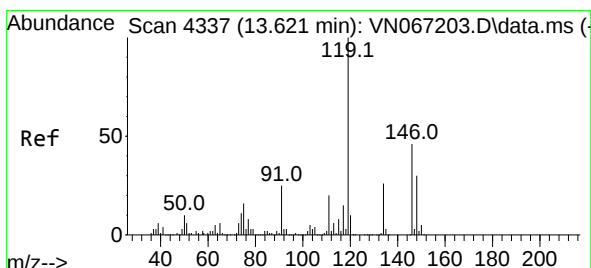
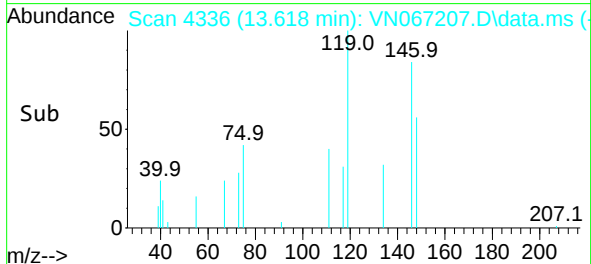
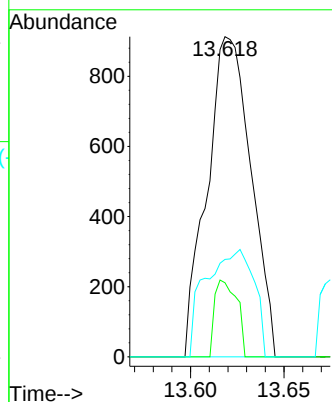
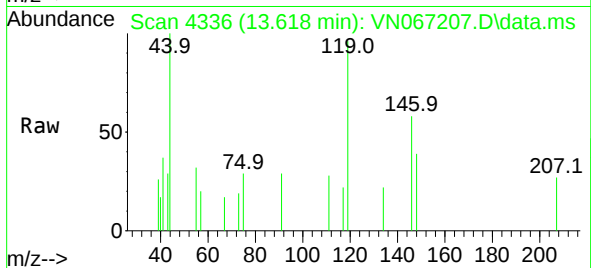




#86
p-Isopropyltoluene
Concen: 0.204 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. -0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

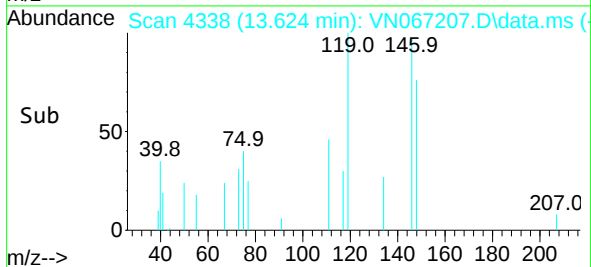
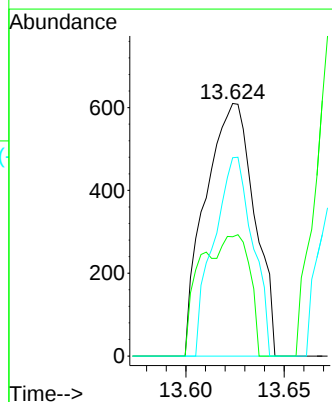
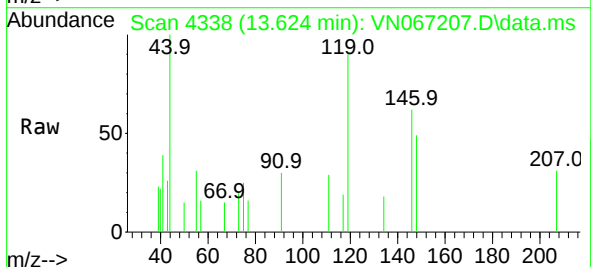
Instrument :
MSVOA_N
ClientSampleId :
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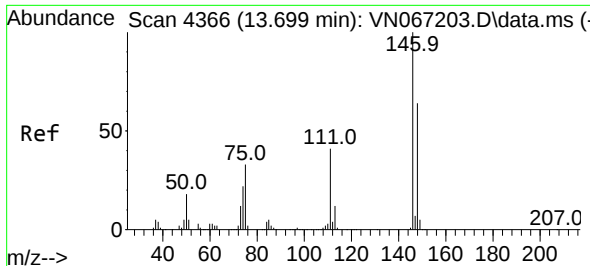
Tgt Ion:119 Resp: 1496
Ion Ratio Lower Upper
119 100
134 12.1 13.3 39.9#
91 36.7 10.7 32.1#



#87
1,3-Dichlorobenzene
Concen: 0.302 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion:146 Resp: 1057
Ion Ratio Lower Upper
146 100
111 16.7 19.3 57.8#
148 62.2 32.0 96.2

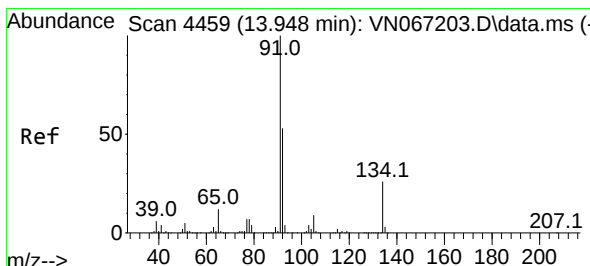
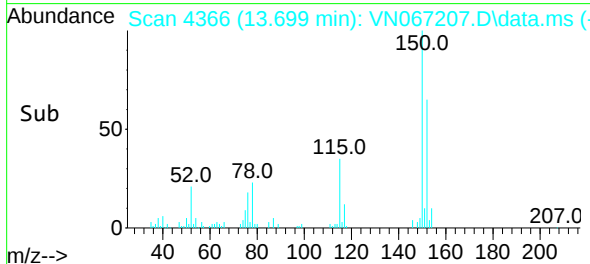
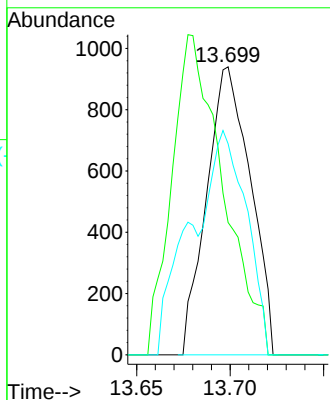
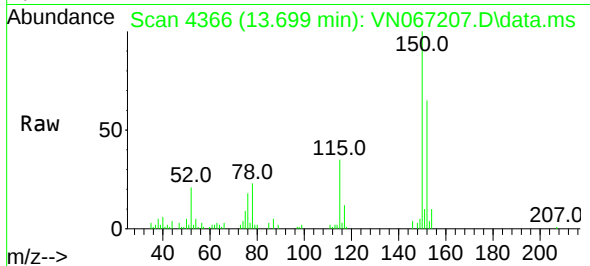




#88
1,4-Dichlorobenzene
Concen: 0.433 ug/l
RT: 13.699 min Scan# 4366
Delta R.T. -0.000 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

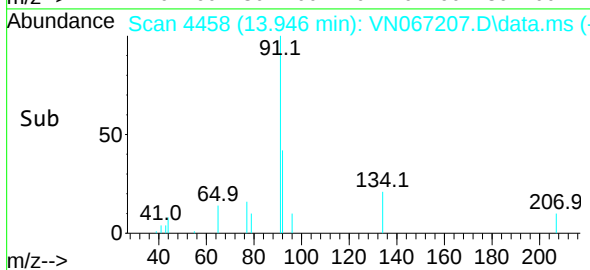
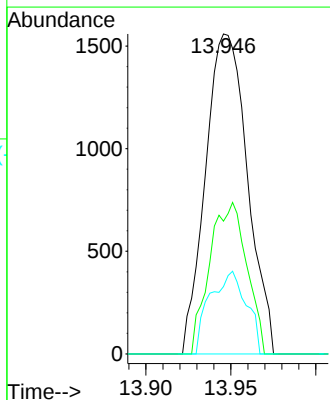
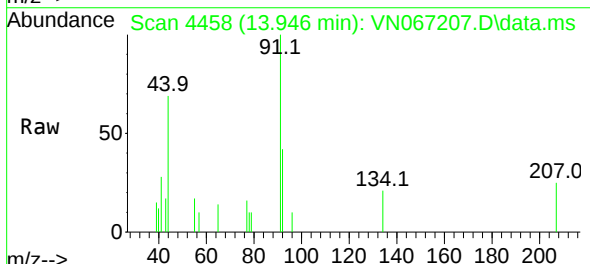
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

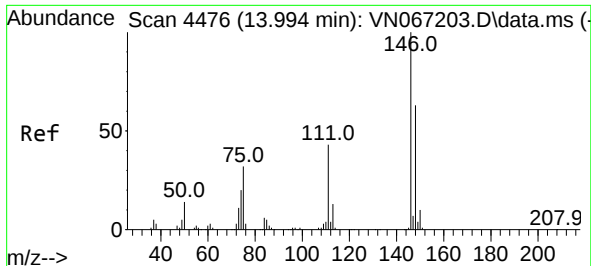
Tgt Ion:146 Resp: 1531
Ion Ratio Lower Upper
146 100
111 0.0 18.5 55.5#
148 68.9 31.4 94.3



#89
n-Butylbenzene
Concen: 0.406 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion: 91 Resp: 2680
Ion Ratio Lower Upper
91 100
92 41.9 26.5 79.5
134 22.3 14.3 42.9

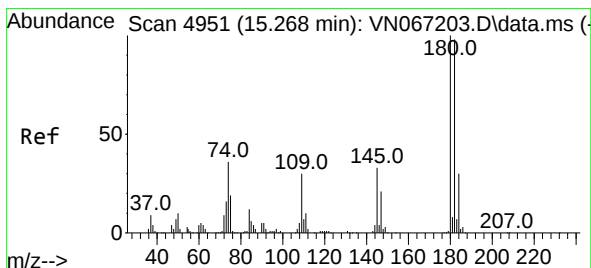
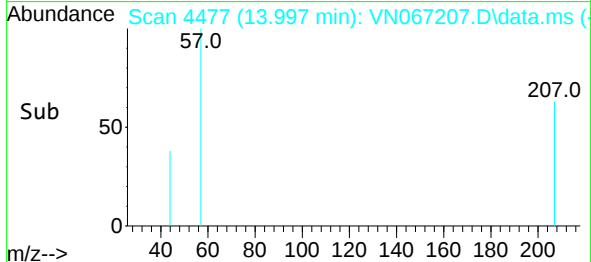
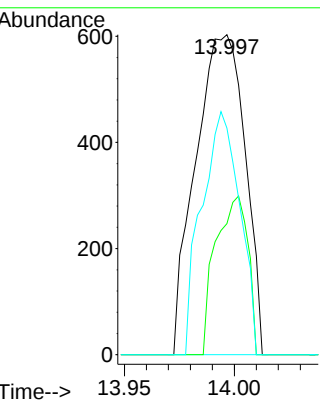
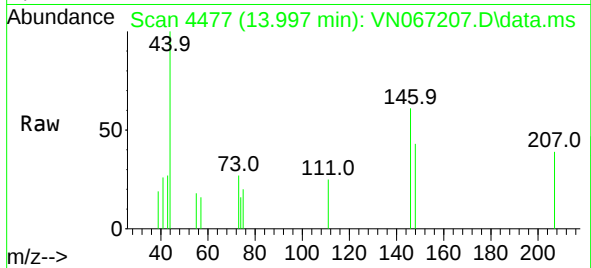




#91
1,2-Dichlorobenzene
Concen: 0.274 ug/l
RT: 13.997 min Scan# 4477
Delta R.T. 0.003 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

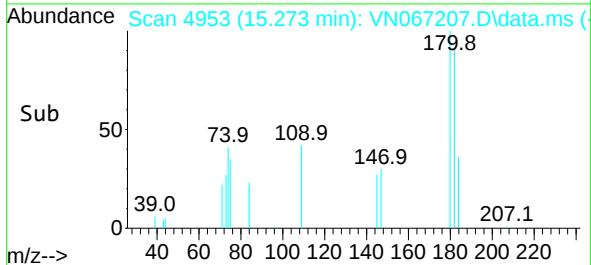
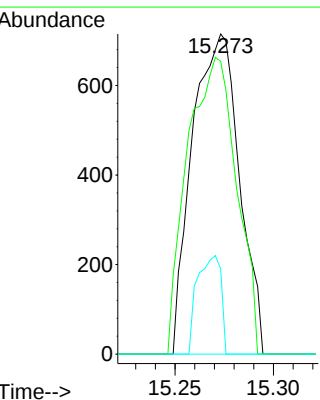
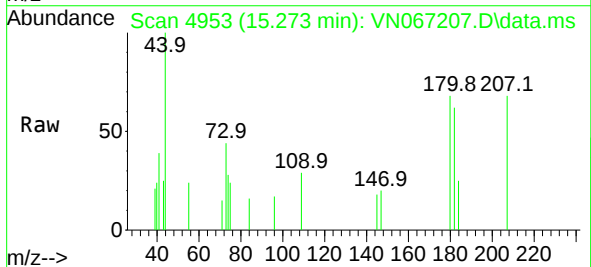
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

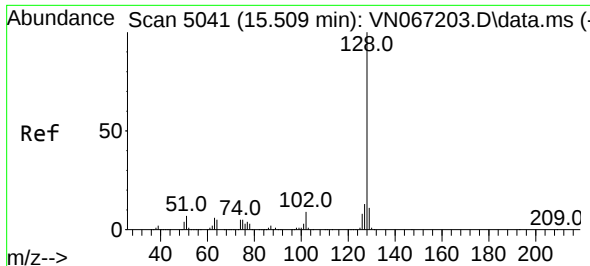
Tgt Ion:146 Resp: 944
Ion Ratio Lower Upper
146 100
111 32.1 19.8 59.3
148 58.5 31.7 95.1



#93
1,2,4-Trichlorobenzene
Concen: 0.751 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.005 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion:180 Resp: 1188
Ion Ratio Lower Upper
180 100
182 96.9 47.3 141.8
145 15.5 14.0 42.0

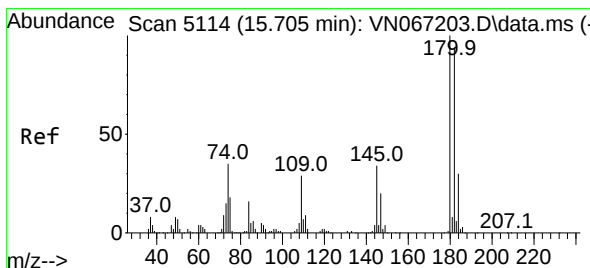
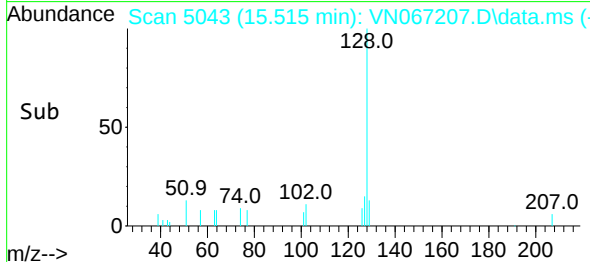
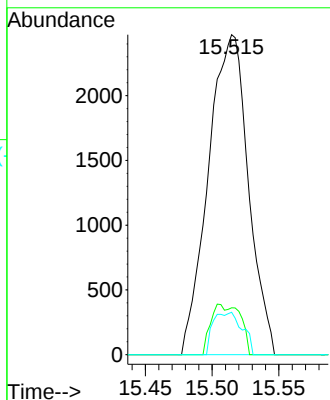
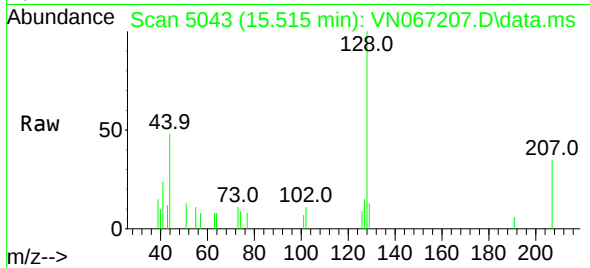




#95
Naphthalene
Concen: 5.423 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Instrument :
MSVOA_N
ClientSampleId :
VN0604WBL01

Tgt Ion:128 Resp: 5152
Ion Ratio Lower Upper
128 100
127 6.8 10.2 15.2#
129 9.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.007 ug/l
RT: 15.713 min Scan# 5117
Delta R.T. 0.008 min
Lab File: VN067207.D
Acq: 4 Jun 2021 20:03

Tgt Ion:180 Resp: 1414
Ion Ratio Lower Upper
180 100
182 97.1 48.5 145.6
145 26.9 15.4 46.2

