

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052121\
 Data File : VN067163.D
 Acq On : 21 May 2021 16:47
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 22 07:20:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

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

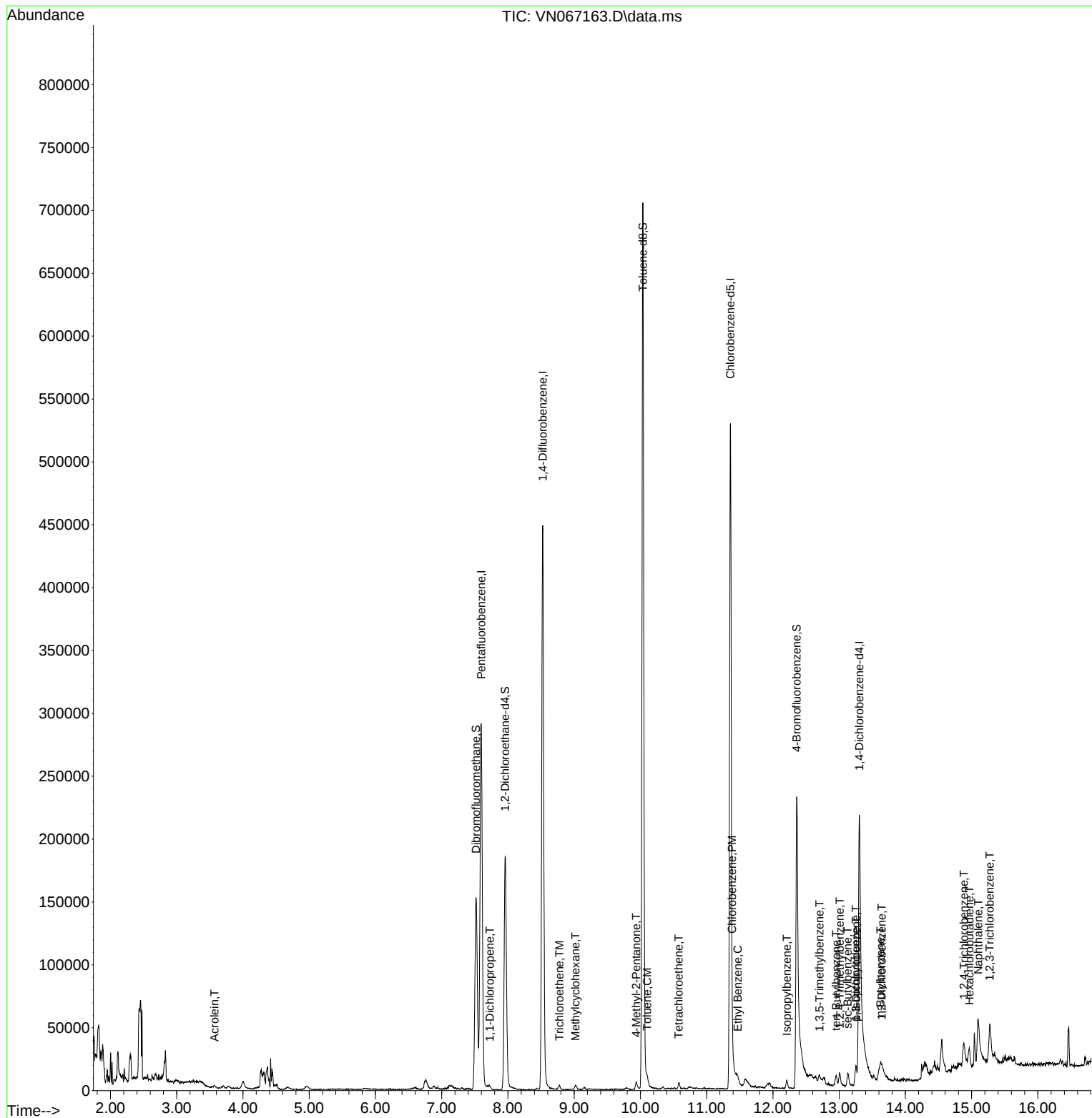
Internal Standards						
1) Pentafluorobenzene	7.597	168	223754	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.525	114	400083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	320773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	92529	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	163059	46.96	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.92%		
35) Dibromofluoromethane	7.519	113	124045	50.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.04%		
50) Toluene-d8	10.038	98	483527	51.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.34%		
62) 4-Bromofluorobenzene	12.360	95	137469	42.56	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.12%		
Target Compounds						Qvalue
13) Acrolein	3.571	56	2062	3.39	ug/l	84
36) 1,1-Dichloropropene	7.726	75	1780	0.44	ug/l	89
39) Methylcyclohexane	9.021	83	1535	0.35	ug/l	# 78
44) Trichloroethene	8.777	130	1323	0.48	ug/l	86
51) 4-Methyl-2-Pentanone	9.938	43	5984	1.40	ug/l	# 76
52) Toluene	10.102	92	1855	0.25	ug/l	89
64) Tetrachloroethene	10.577	164	1123	0.51	ug/l	# 78
65) Chlorobenzene	11.384	112	2846	0.43	ug/l	91
67) Ethyl Benzene	11.470	91	4376	0.36	ug/l	98
73) Isopropylbenzene	12.210	105	5197	0.57	ug/l	94
80) 1,3,5-Trimethylbenzene	12.703	105	5924	0.79	ug/l	87
83) tert-Butylbenzene	12.956	119	4387	0.65	ug/l	# 90
84) 1,2,4-Trimethylbenzene	13.009	105	7350	1.09	ug/l	94
85) sec-Butylbenzene	13.130	105	8118	0.97	ug/l	96
86) p-Isopropyltoluene	13.256	119	9392	1.43	ug/l	# 82
87) 1,3-Dichlorobenzene	13.256	146	3459	1.13	ug/l	98
89) n-Butylbenzene	13.626	91	16048	2.95	ug/l	# 33
91) 1,2-Dichlorobenzene	13.642	146	4207	1.44	ug/l	77
93) 1,2,4-Trichlorobenzene	14.884	180	9196	8.67	ug/l	91
94) Hexachlorobutadiene	14.967	225	1781	2.21	ug/l	94
95) Naphthalene	15.098	128	49913	13.67	ug/l	97
96) 1,2,3-Trichlorobenzene	15.273	180	11858	8.95	ug/l	# 92

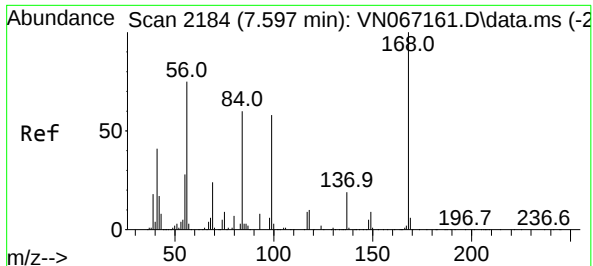
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052121\
Data File : VN067163.D
Acq On : 21 May 2021 16:47
Operator : JC/MD
Sample : IBLK
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: May 22 07:20:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
Quant Title : SW846 8260
QLast Update : Fri May 21 17:24:08 2021
Response via : Initial Calibration

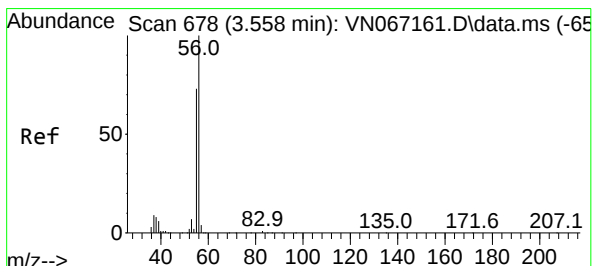
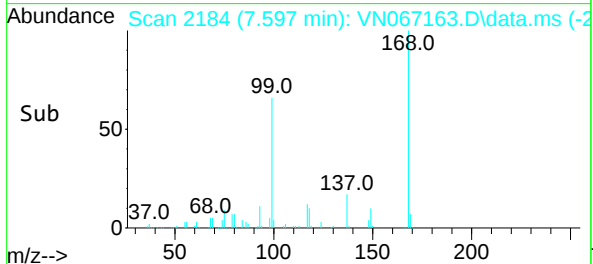
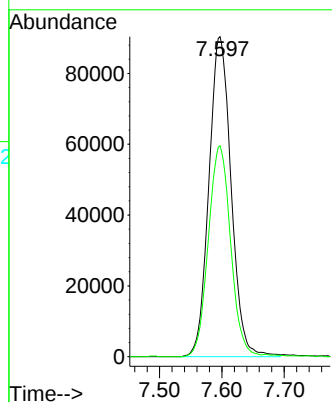
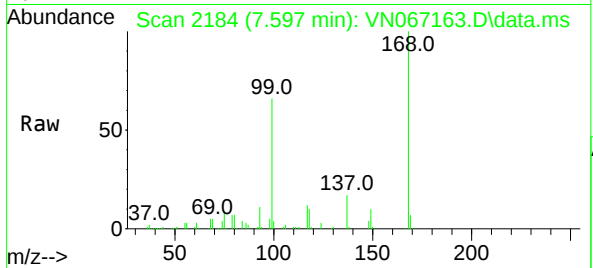




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

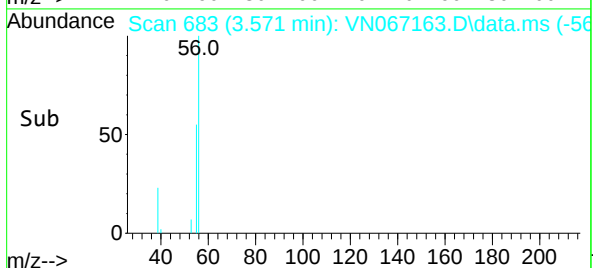
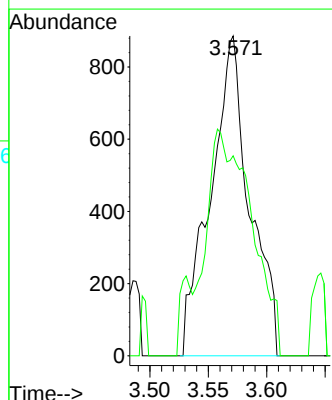
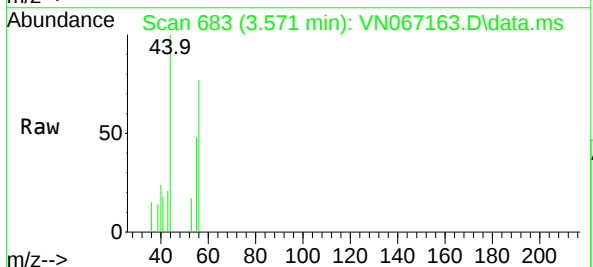
Instrument :
MSVOA_N
ClientSampled :
IBLK

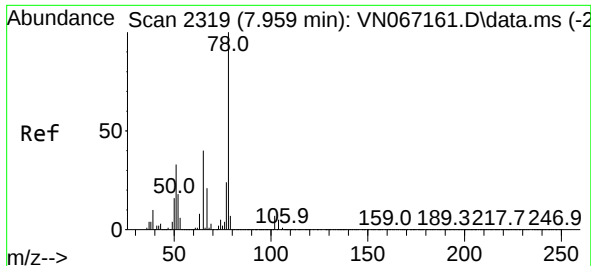
Tgt Ion:168 Resp: 223754
Ion Ratio Lower Upper
168 100
99 65.9 38.5 57.7#



#13
Acrolein
Concen: 3.39 ug/l
RT: 3.571 min Scan# 683
Delta R.T. 0.013 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion: 56 Resp: 2062
Ion Ratio Lower Upper
56 100
55 80.2 53.8 80.6

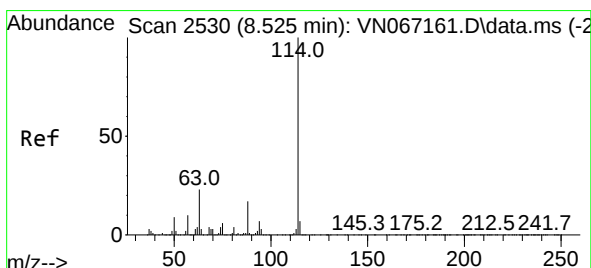
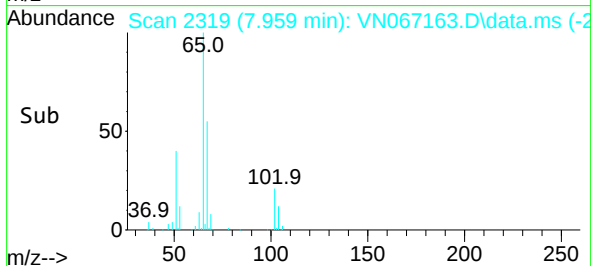
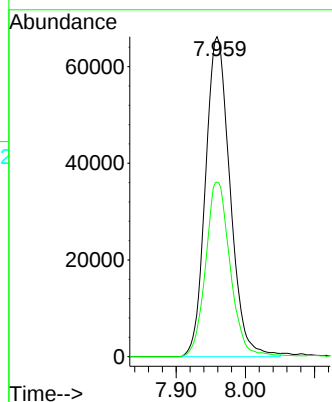
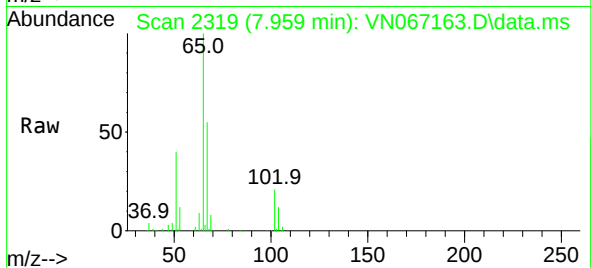




#33
 1,2-Dichloroethane-d4
 Concen: 46.96 ug/l
 RT: 7.959 min Scan# 2319
 Delta R.T. 0.000 min
 Lab File: VN067163.D
 Acq: 21 May 2021 16:47

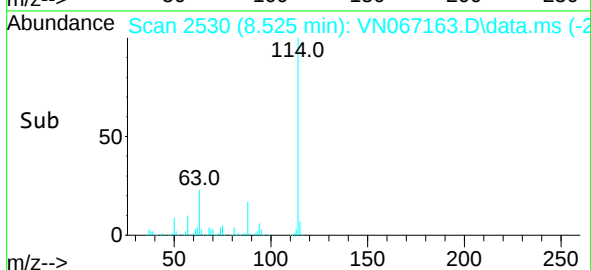
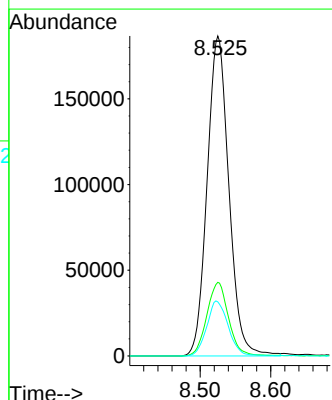
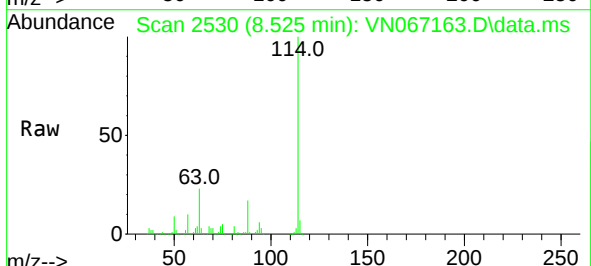
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

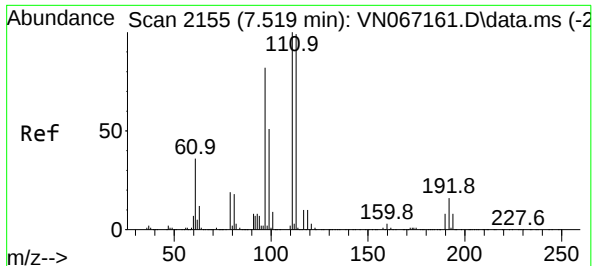
Tgt Ion: 65 Resp: 163059
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.525 min Scan# 2530
 Delta R.T. -0.000 min
 Lab File: VN067163.D
 Acq: 21 May 2021 16:47

Tgt Ion: 114 Resp: 400083
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 35.8
 88 16.9 0.0 30.4

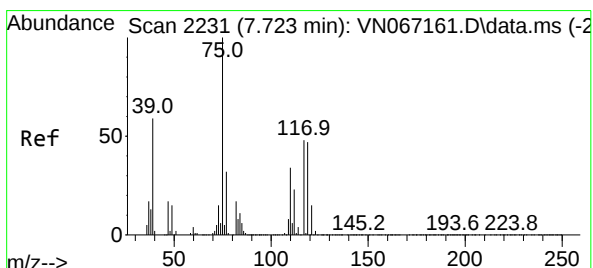
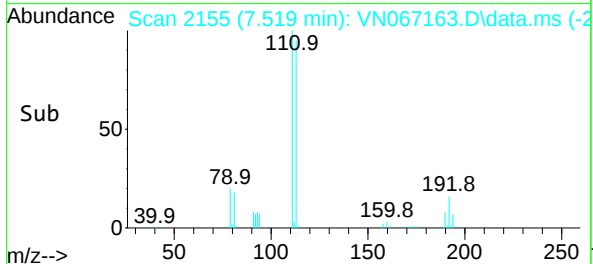
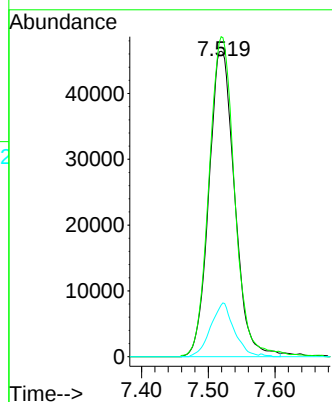
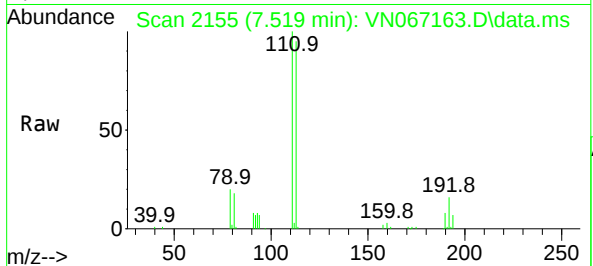




#35
Dibromofluoromethane
Concen: 50.52 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

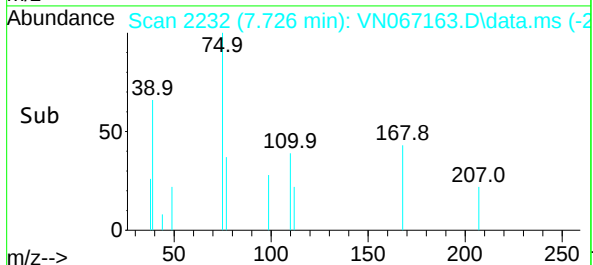
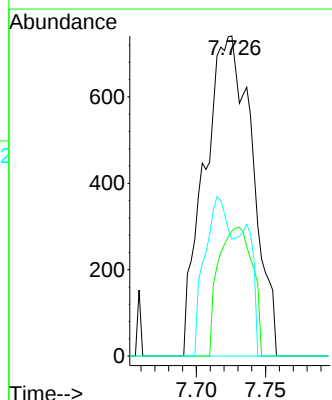
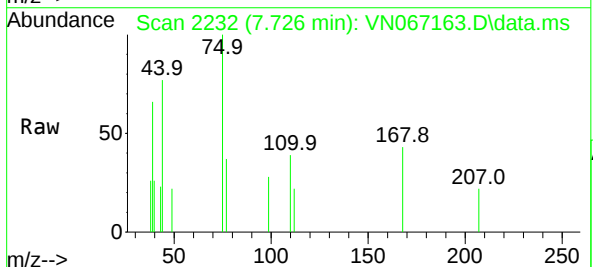
Instrument :
MSVOA_N
ClientSampled :
IBLK

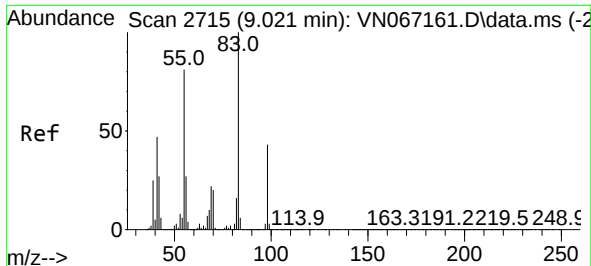
Tgt Ion:113 Resp: 124045
Ion Ratio Lower Upper
113 100
111 104.5 82.6 124.0
192 16.0 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 0.44 ug/l
RT: 7.726 min Scan# 2232
Delta R.T. 0.003 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion: 75 Resp: 1780
Ion Ratio Lower Upper
75 100
110 28.6 19.1 57.3
77 28.4 24.8 37.2

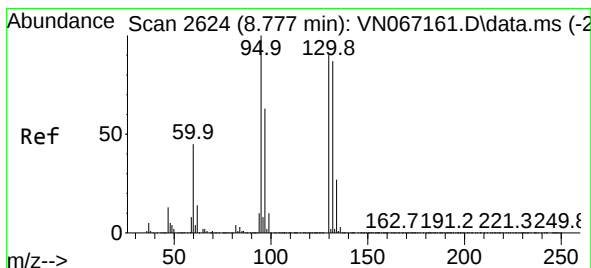
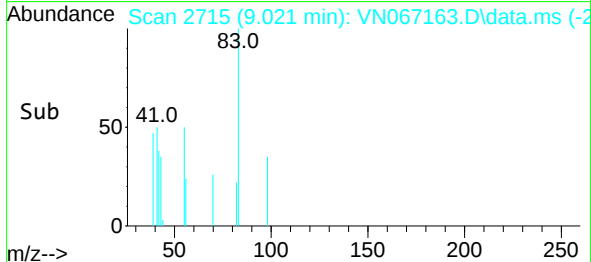
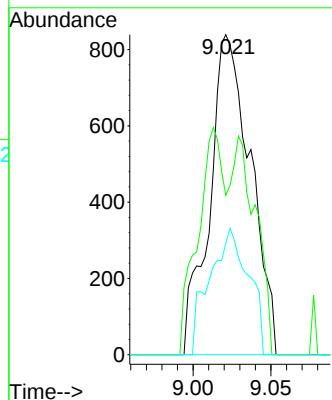
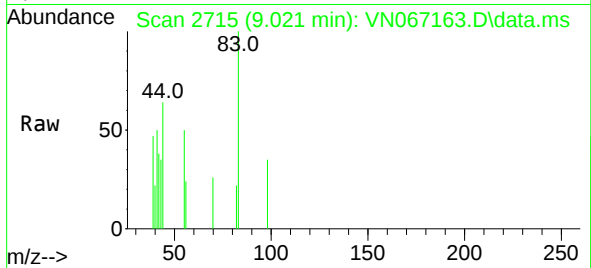




#39
Methylcyclohexane
Concen: 0.35 ug/l
RT: 9.021 min Scan# 2715
Delta R.T. 0.000 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

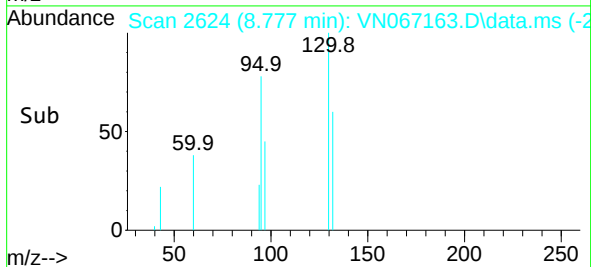
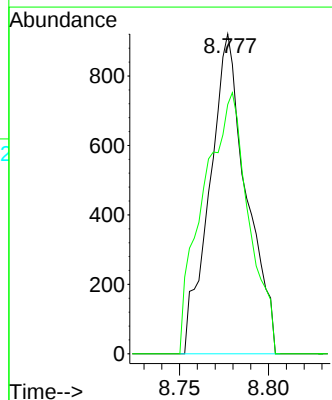
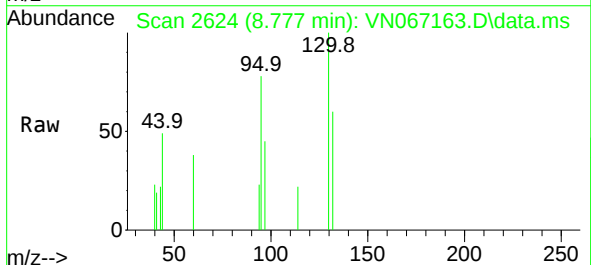
Instrument :
MSVOA_N
ClientSampleId :
IBLK

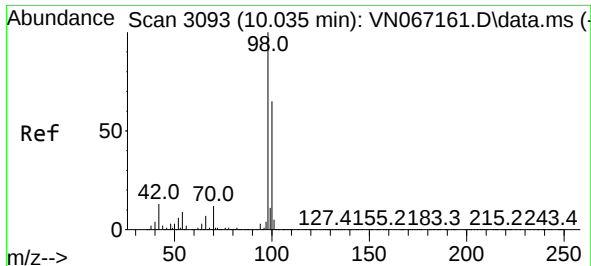
Tgt Ion: 83 Resp: 1535
Ion Ratio Lower Upper
83 100
55 49.8 56.2 84.2#
98 34.9 36.8 55.2#



#44
Trichloroethene
Concen: 0.48 ug/l
RT: 8.777 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion: 130 Resp: 1323
Ion Ratio Lower Upper
130 100
95 78.0 0.0 182.4

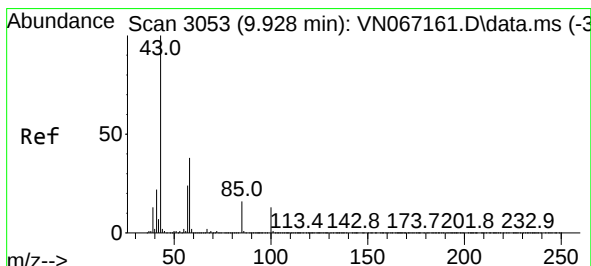
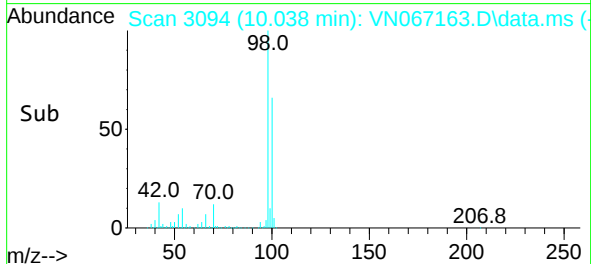
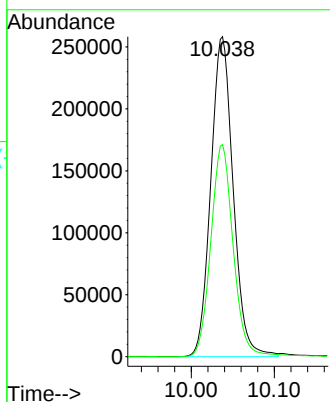
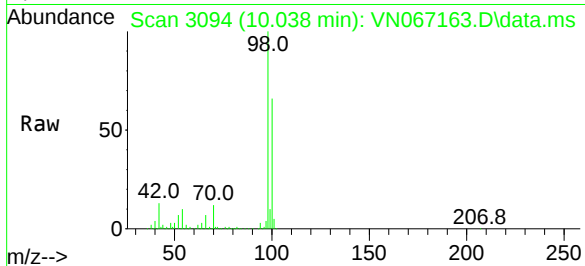




#50
Toluene-d8
Concen: 51.17 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.003 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

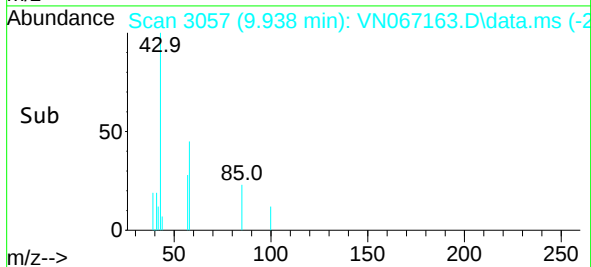
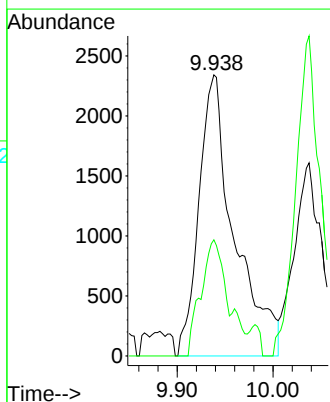
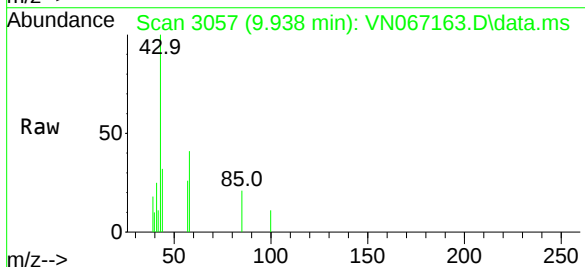
Instrument :
MSVOA_N
ClientSampleId :
IBLK

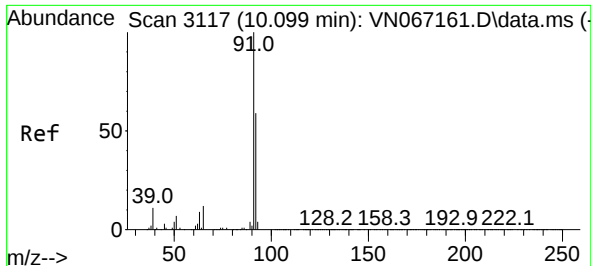
Tgt Ion: 98 Resp: 483527
Ion Ratio Lower Upper
98 100
100 66.5 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.40 ug/l
RT: 9.938 min Scan# 3057
Delta R.T. 0.010 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion: 43 Resp: 5984
Ion Ratio Lower Upper
43 100
58 27.9 34.5 51.7#

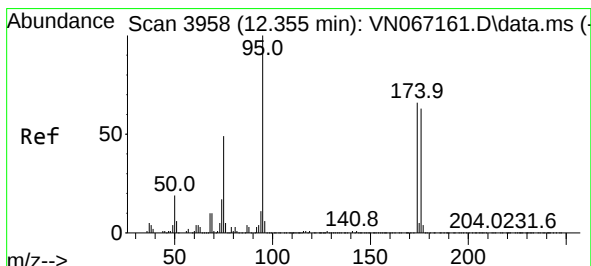
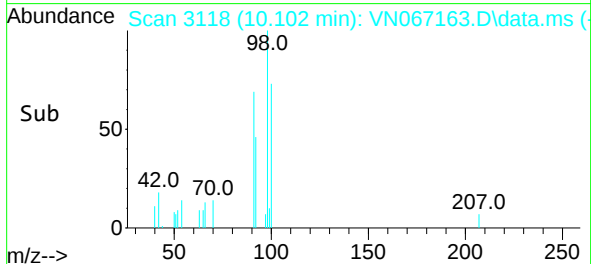
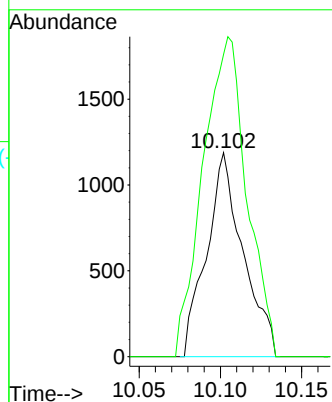
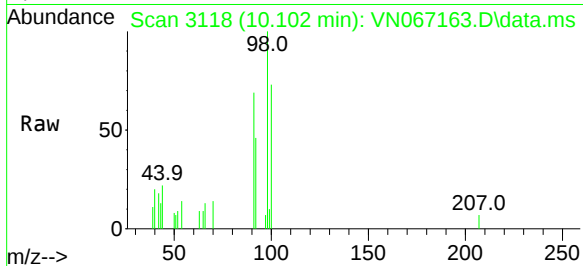




#52
Toluene
Concen: 0.25 ug/l
RT: 10.102 min Scan# 3118
Delta R.T. 0.003 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

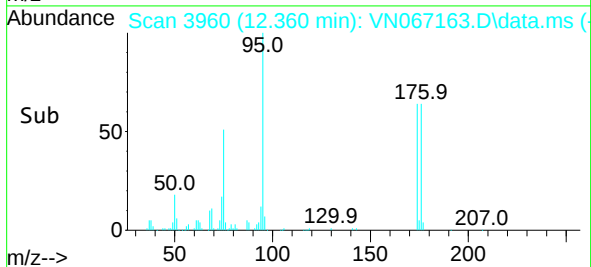
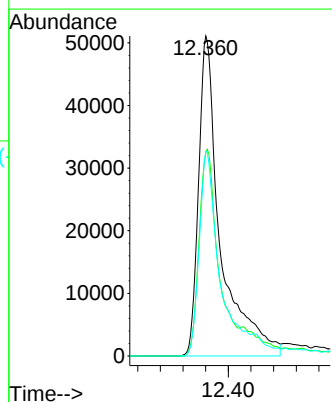
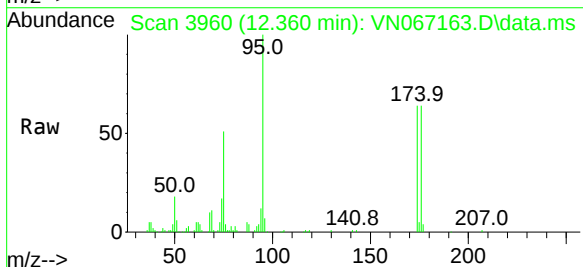
Instrument :
MSVOA_N
ClientSampled :
IBLK

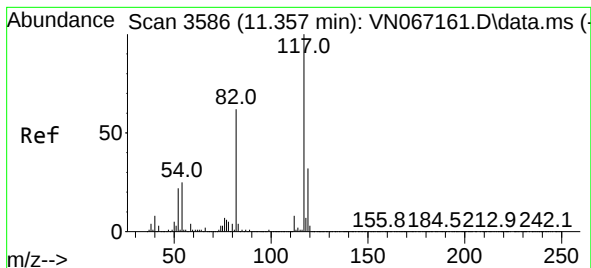
Tgt Ion: 92 Resp: 1855
Ion Ratio Lower Upper
92 100
91 188.1 138.7 208.1



#62
4-Bromofluorobenzene
Concen: 42.56 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.005 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion: 95 Resp: 137469
Ion Ratio Lower Upper
95 100
174 56.6 0.0 182.8
176 58.7 0.0 176.6

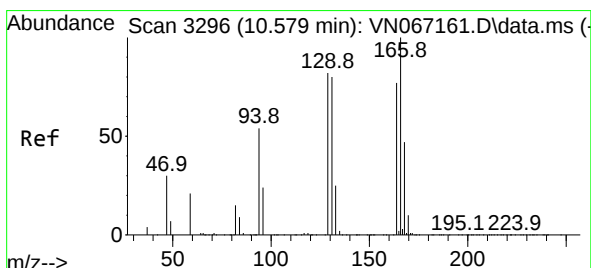
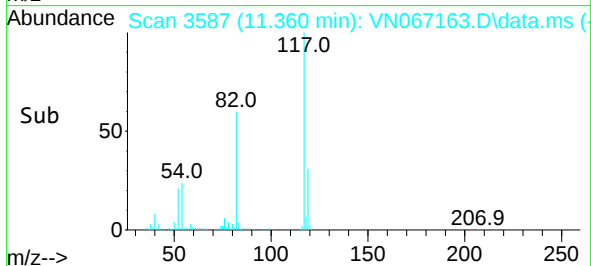
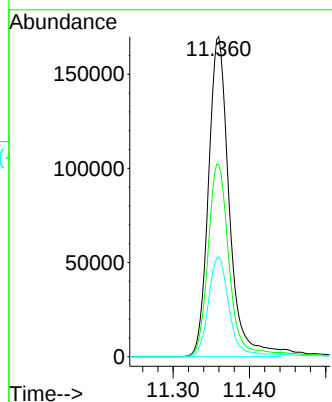
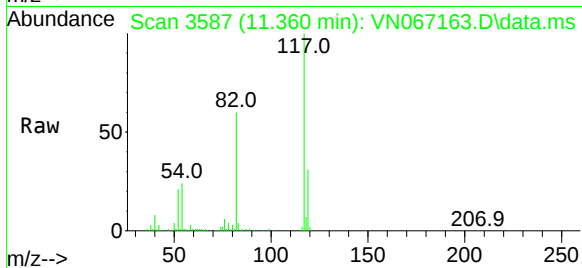




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

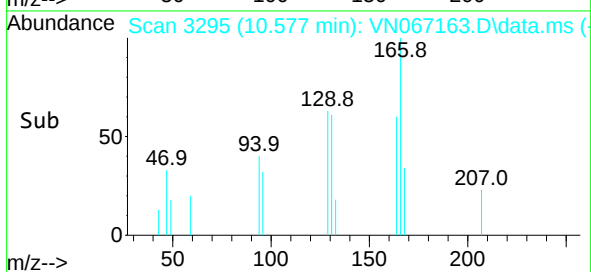
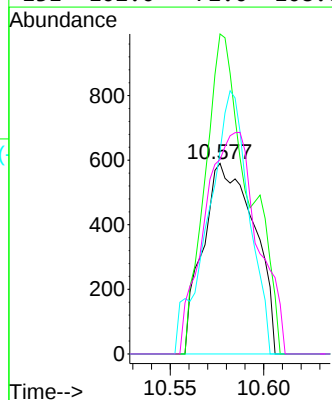
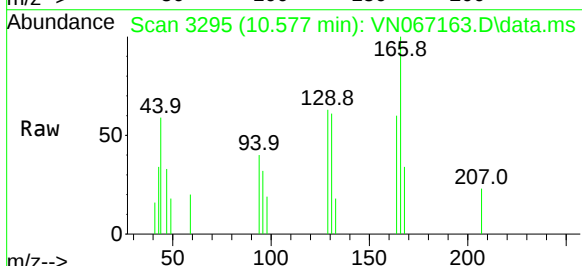
Instrument :
MSVOA_N
ClientSampleId :
IBLK

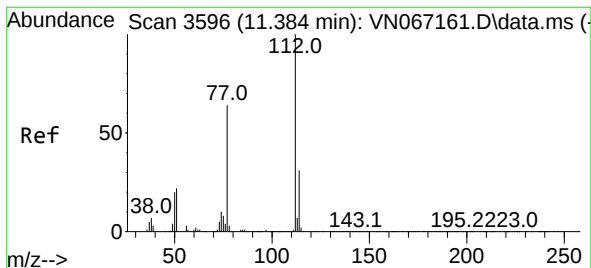
Tgt Ion:117 Resp: 320773
Ion Ratio Lower Upper
117 100
82 60.1 42.2 63.2
119 31.2 25.8 38.6



#64
Tetrachloroethene
Concen: 0.51 ug/l
RT: 10.577 min Scan# 3295
Delta R.T. -0.002 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion:164 Resp: 1123
Ion Ratio Lower Upper
164 100
166 168.0 103.0 154.6#
129 106.1 73.3 109.9
131 102.0 72.0 108.0

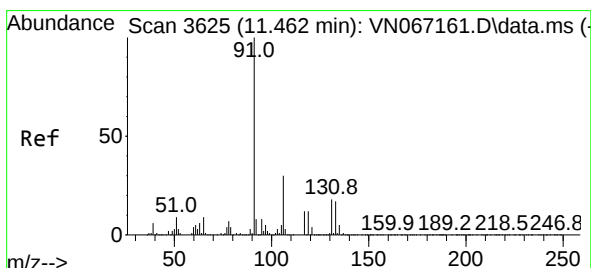
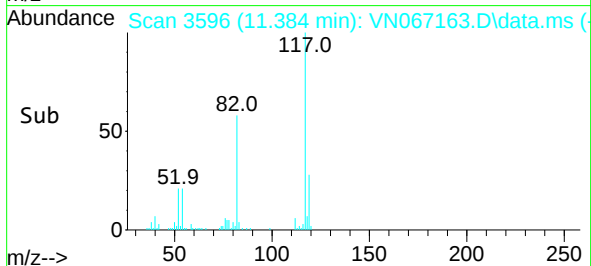
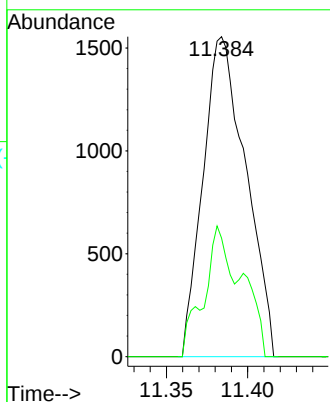
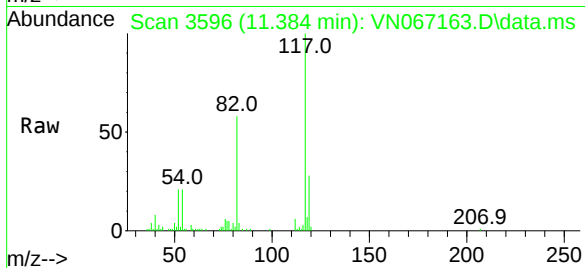




#65
Chlorobenzene
Concen: 0.43 ug/l
RT: 11.384 min Scan# 3596
Delta R.T. -0.000 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

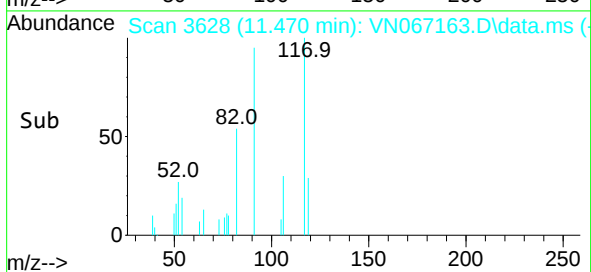
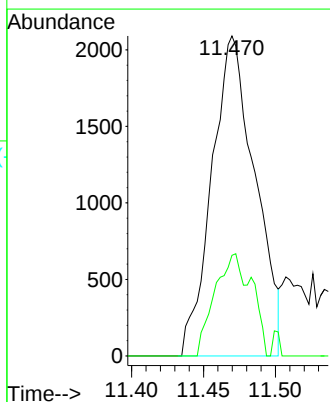
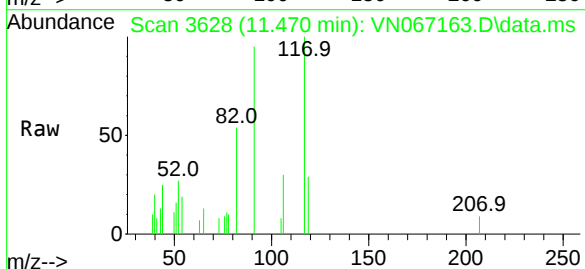
Instrument :
MSVOA_N
ClientSampled :
IBLK

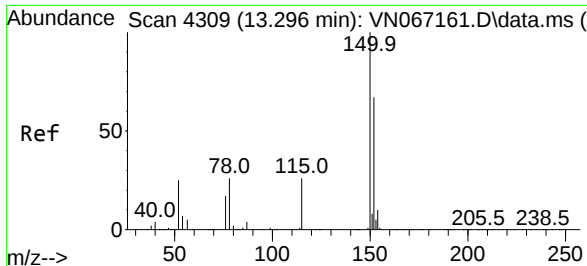
Tgt Ion:112 Resp: 2846
Ion Ratio Lower Upper
112 100
114 37.0 25.6 38.4



#67
Ethyl Benzene
Concen: 0.36 ug/l
RT: 11.470 min Scan# 3628
Delta R.T. 0.008 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion: 91 Resp: 4376
Ion Ratio Lower Upper
91 100
106 31.4 26.2 39.2

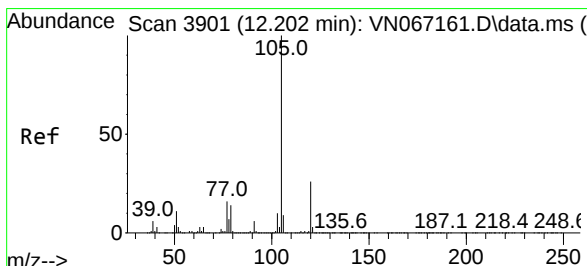
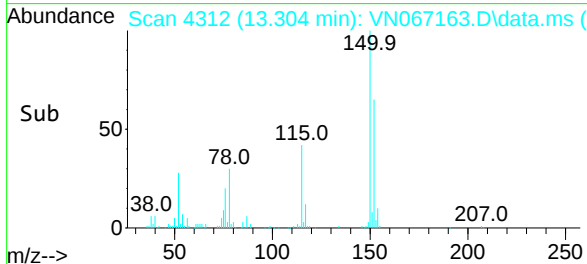
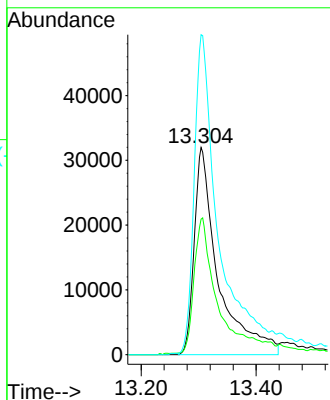
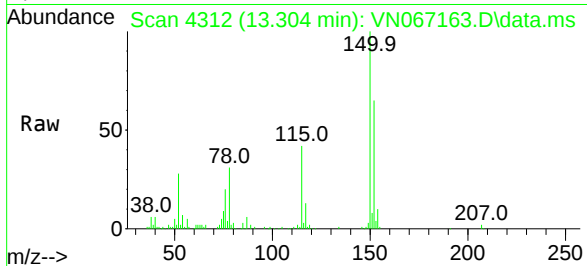




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.304 min Scan# 4312
Delta R.T. 0.008 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

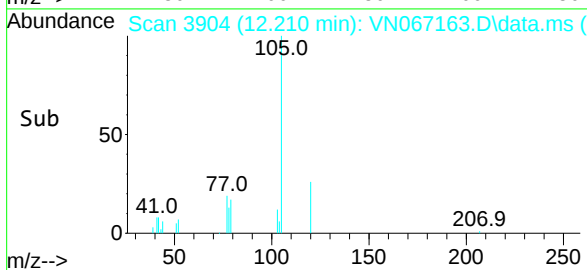
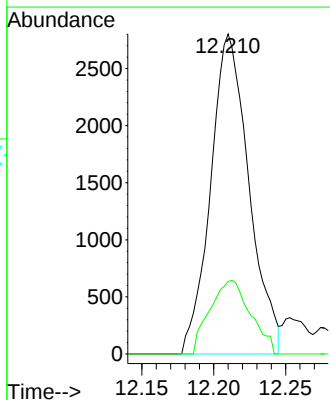
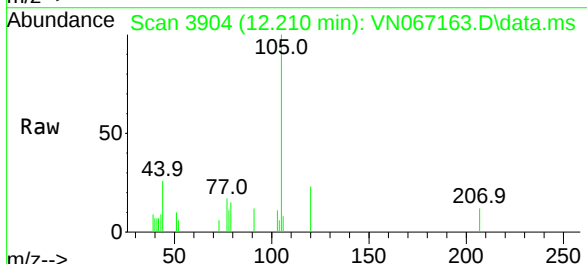
Instrument :
MSVOA_N
ClientSampleId :
IBLK

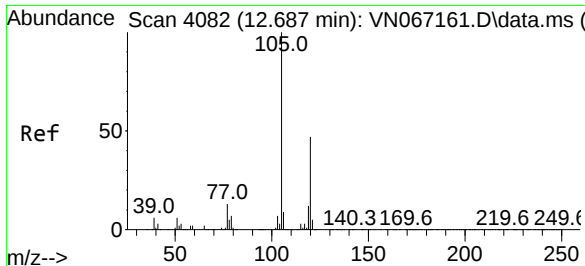
Tgt Ion:152 Resp: 92529
Ion Ratio Lower Upper
152 100
115 62.2 27.0 80.8
150 156.1 0.0 350.2



#73
Isopropylbenzene
Concen: 0.57 ug/l
RT: 12.210 min Scan# 3904
Delta R.T. 0.008 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion:105 Resp: 5197
Ion Ratio Lower Upper
105 100
120 24.4 13.7 41.0

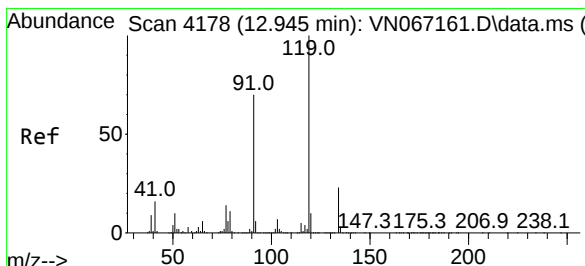
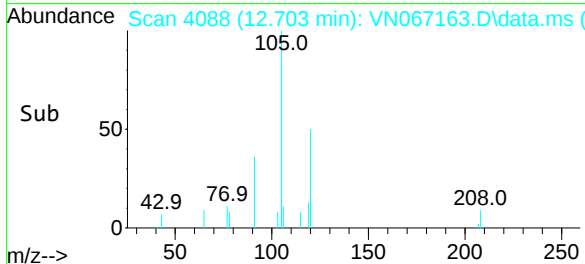
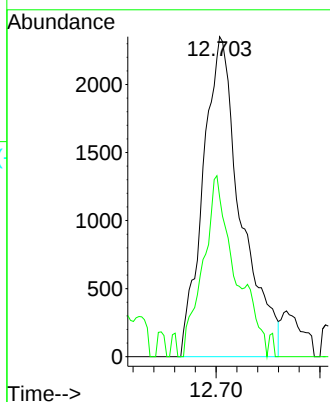
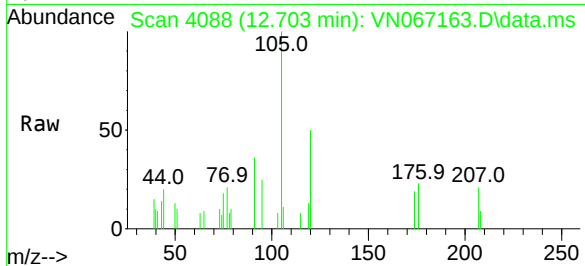




#80
1,3,5-Trimethylbenzene
Concen: 0.79 ug/l
RT: 12.703 min Scan# 4088
Delta R.T. 0.016 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

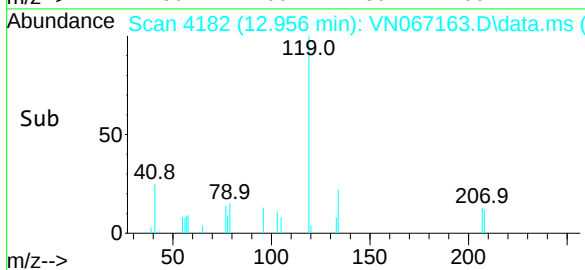
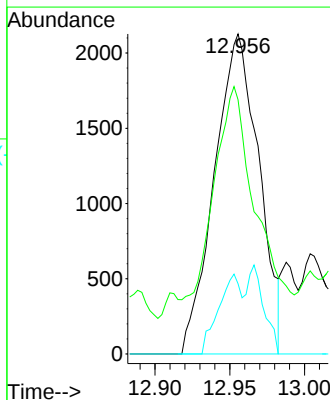
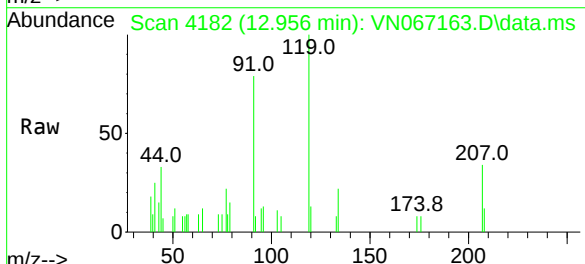
Instrument :
MSVOA_N
ClientSampleId :
IBLK

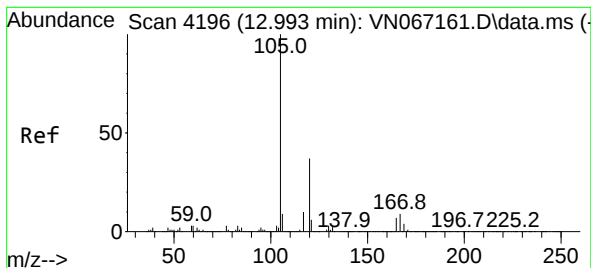
Tgt Ion:105 Resp: 5924
Ion Ratio Lower Upper
105 100
120 41.1 25.0 75.0



#83
tert-Butylbenzene
Concen: 0.65 ug/l
RT: 12.956 min Scan# 4182
Delta R.T. 0.011 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion:119 Resp: 4387
Ion Ratio Lower Upper
119 100
91 58.2 30.2 90.6
134 12.7 13.0 39.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.09 ug/l

RT: 13.009 min Scan# 4202

Delta R.T. 0.016 min

Lab File: VN067163.D

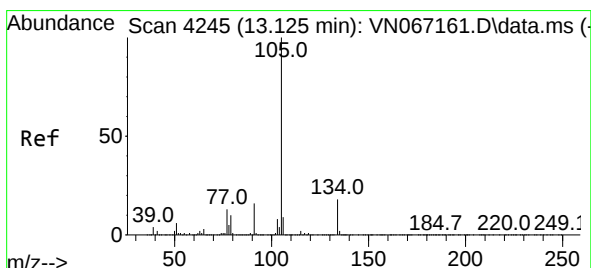
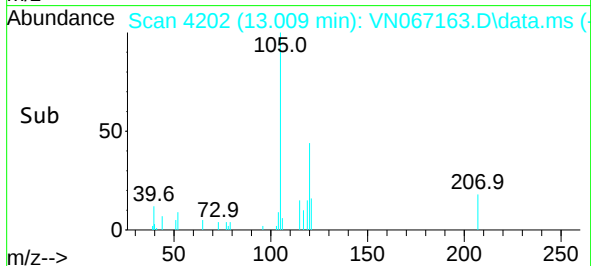
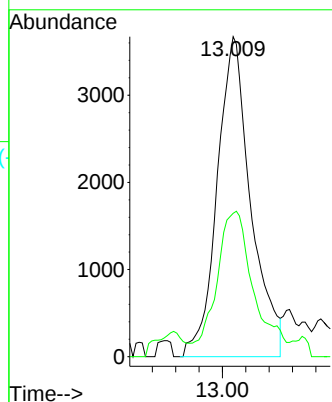
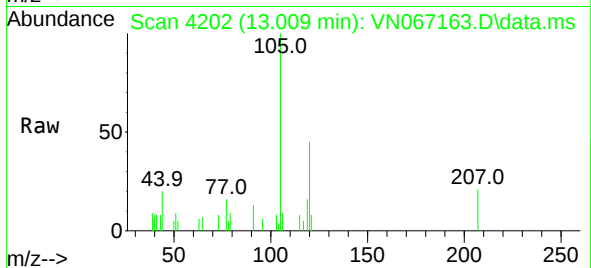
Acq: 21 May 2021 16:47

Tgt Ion:105 Resp: 7350

Ion Ratio Lower Upper

105 100

120 43.3 23.8 71.2



#85

sec-Butylbenzene

Concen: 0.97 ug/l

RT: 13.130 min Scan# 4247

Delta R.T. 0.005 min

Lab File: VN067163.D

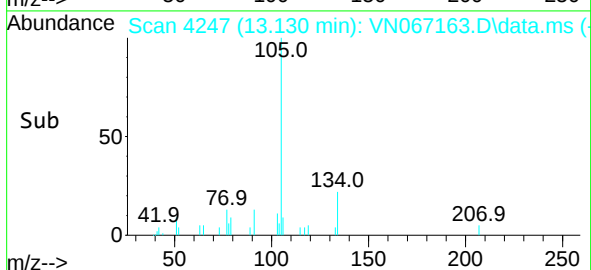
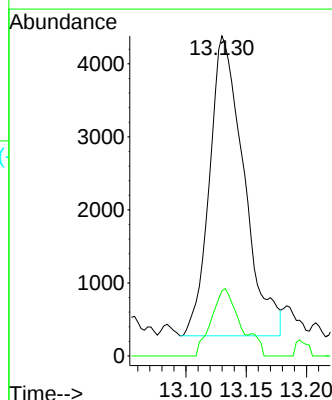
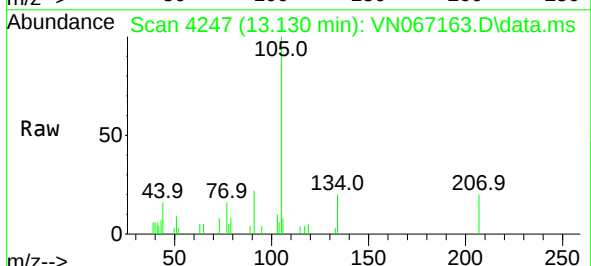
Acq: 21 May 2021 16:47

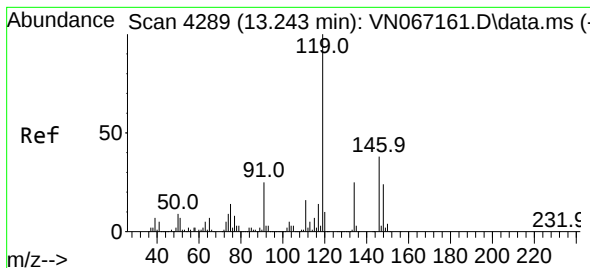
Tgt Ion:105 Resp: 8118

Ion Ratio Lower Upper

105 100

134 19.1 10.5 31.5

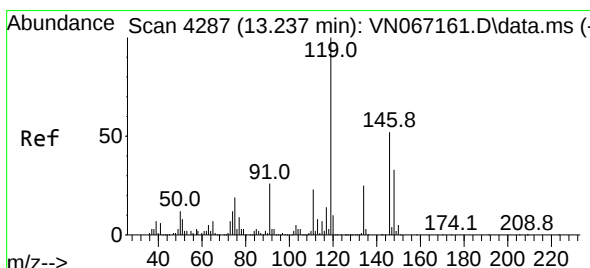
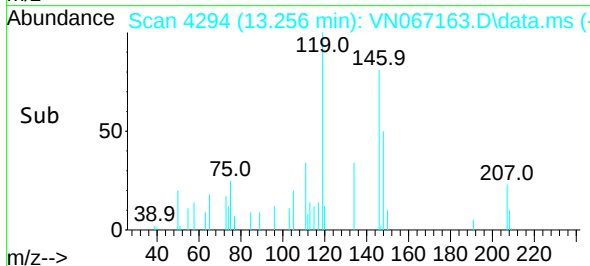
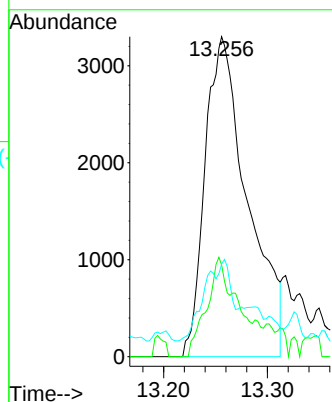
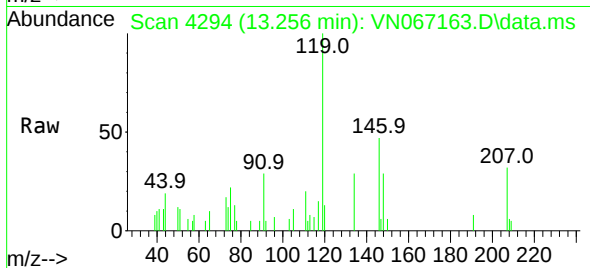




#86
p-Isopropyltoluene
Concen: 1.43 ug/l
RT: 13.256 min Scan# 4294
Delta R.T. 0.013 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

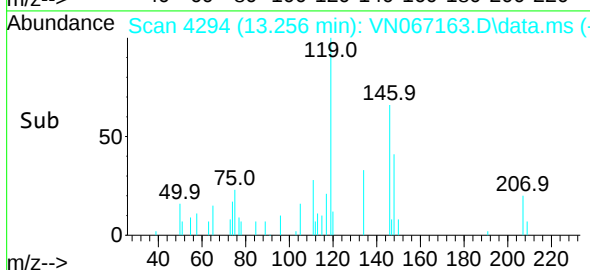
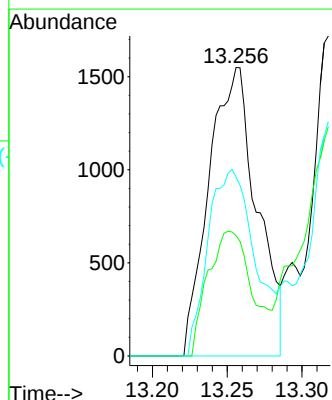
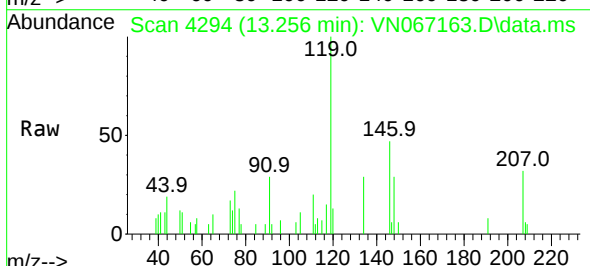
Instrument :
MSVOA_N
ClientSampled :
IBLK

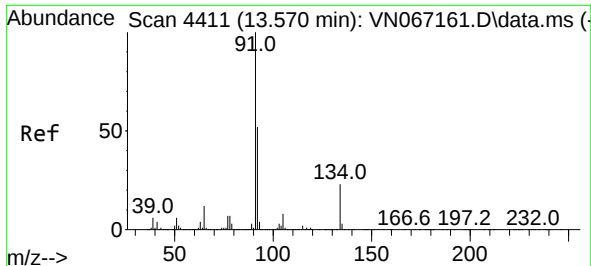
Tgt Ion:119 Resp: 9392
Ion Ratio Lower Upper
119 100
134 21.6 13.3 39.9
91 8.1 10.7 32.1#



#87
1,3-Dichlorobenzene
Concen: 1.13 ug/l
RT: 13.256 min Scan# 4294
Delta R.T. 0.019 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion:146 Resp: 3459
Ion Ratio Lower Upper
146 100
111 40.5 19.3 57.8
148 63.3 32.0 96.2

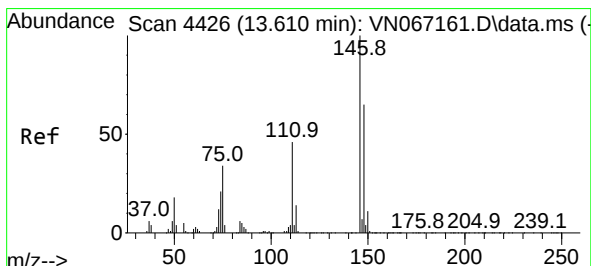
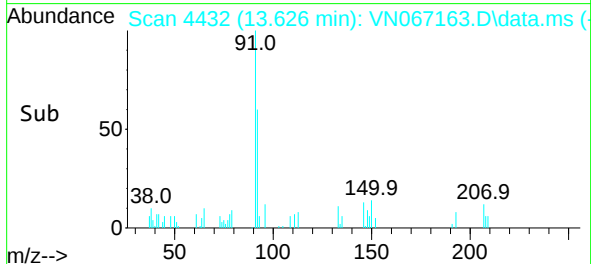
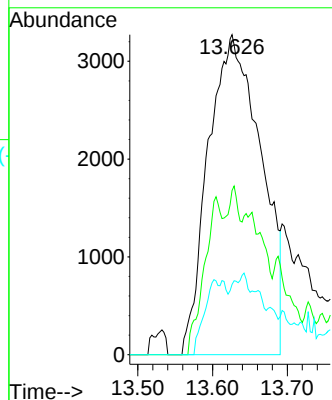
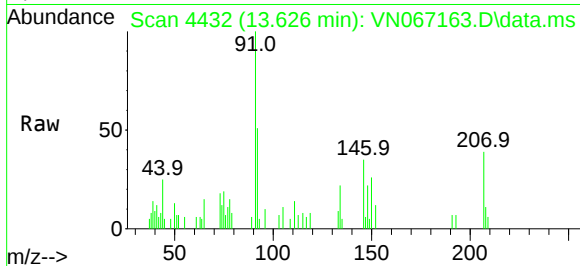




#89
n-Butylbenzene
Concen: 2.95 ug/l
RT: 13.626 min Scan# 4432
Delta R.T. 0.056 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

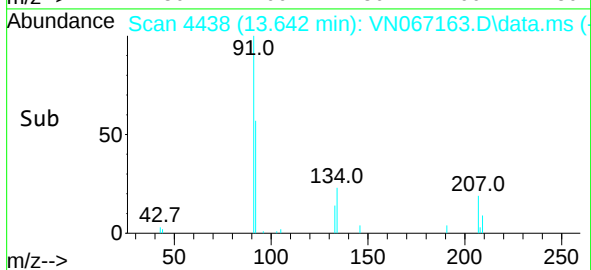
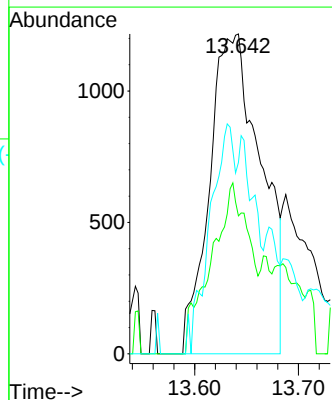
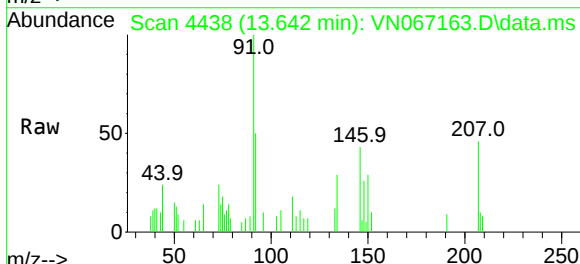
Instrument :
MSVOA_N
ClientSampleId :
IBLK

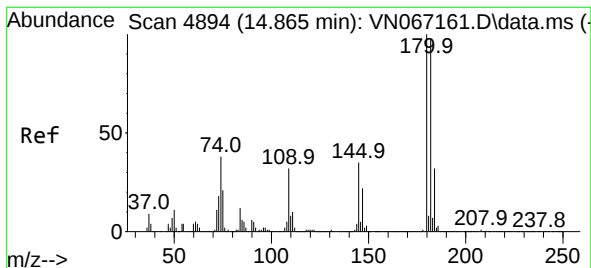
Tgt Ion: 91	Resp: 16048
Ion Ratio	Lower Upper
91	100
92	0.0 26.5 79.5#
134	0.0 14.3 42.9#



#91
1,2-Dichlorobenzene
Concen: 1.44 ug/l
RT: 13.642 min Scan# 4438
Delta R.T. 0.032 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion: 146	Resp: 4207
Ion Ratio	Lower Upper
146	100
111	39.4 19.8 59.3
148	34.6 31.7 95.1

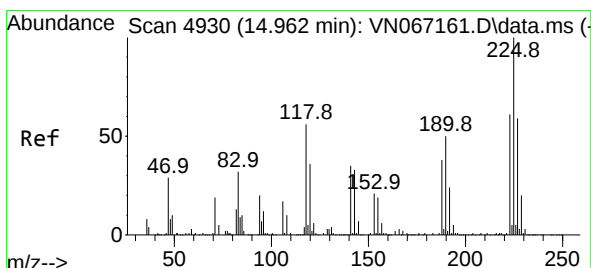
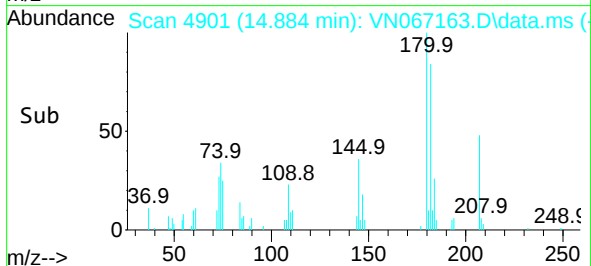
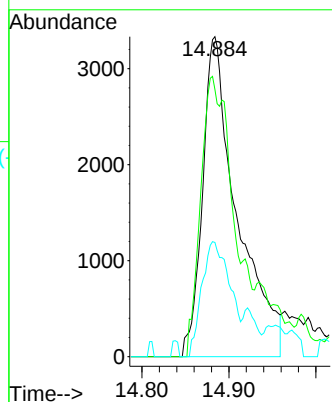
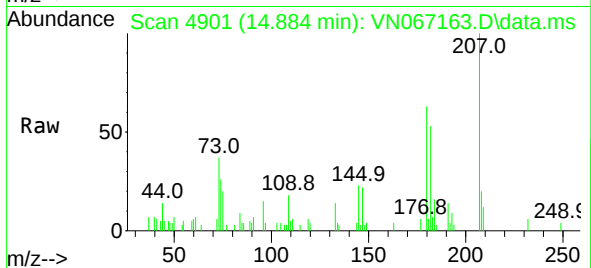




#93
1,2,4-Trichlorobenzene
Concen: 8.67 ug/l
RT: 14.884 min Scan# 4901
Delta R.T. 0.019 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

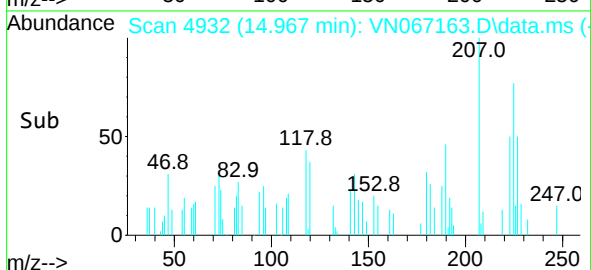
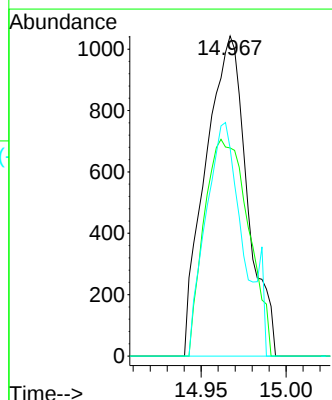
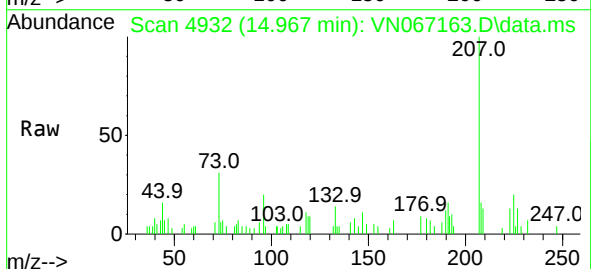
Instrument :
MSVOA_N
ClientSampled :
IBLK

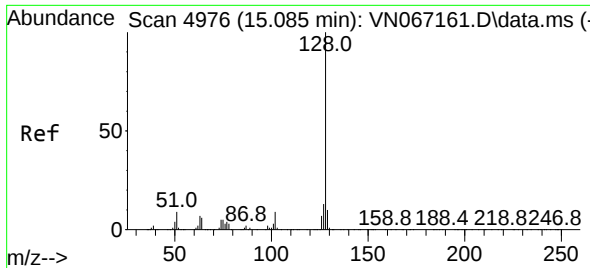
Tgt Ion:180 Resp: 9196
Ion Ratio Lower Upper
180 100
182 83.7 47.3 141.8
145 29.4 14.0 42.0



#94
Hexachlorobutadiene
Concen: 2.21 ug/l
RT: 14.967 min Scan# 4932
Delta R.T. 0.005 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion:225 Resp: 1781
Ion Ratio Lower Upper
225 100
223 71.8 31.7 95.1
227 65.0 31.7 95.1

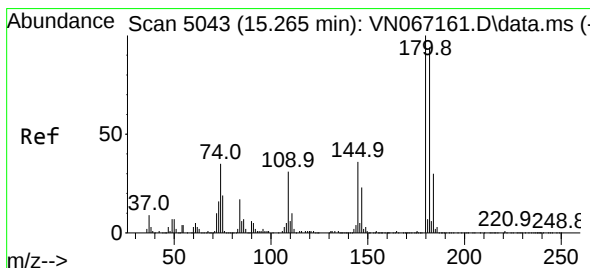
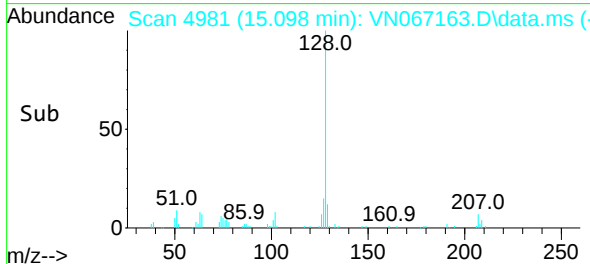
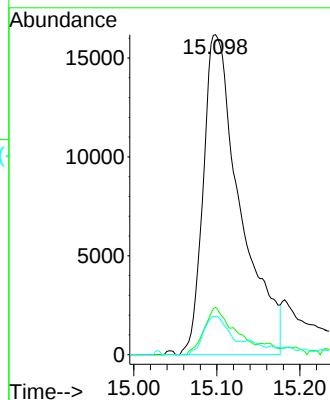
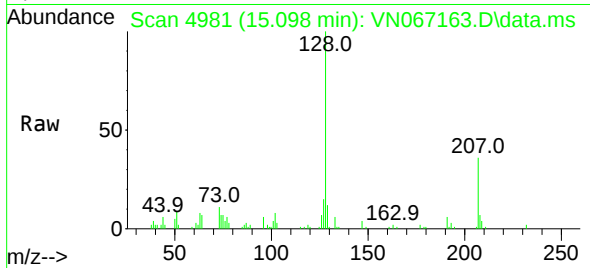




#95
Naphthalene
Concen: 13.67 ug/l
RT: 15.098 min Scan# 4981
Delta R.T. 0.013 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tgt Ion:	128	Resp:	49913
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.2	15.2
129	8.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 8.95 ug/l
RT: 15.273 min Scan# 5046
Delta R.T. 0.008 min
Lab File: VN067163.D
Acq: 21 May 2021 16:47

Tgt Ion:	180	Resp:	11858
Ion Ratio	Lower	Upper	
180	100		
182	98.6	48.5	145.6
145	14.2	15.4	46.2#

