

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121520\
 Data File : VN065152.D
 Acq On : 15 Dec 2020 19:22
 Operator : JC/MD
 Sample : L5051-03 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 07:19:10 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 15 15:18:54 2020
 Response via : Initial Calibration

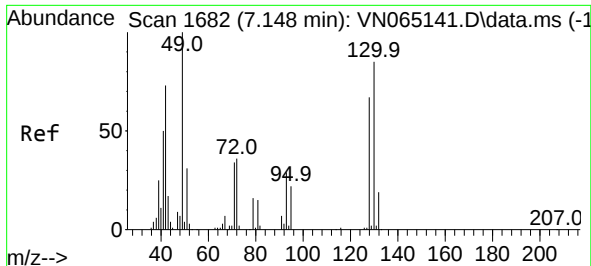
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.148	128	102176	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	294956	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	418821	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	203349	29.07	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.90%		
60) 4-Bromofluorobenzene	12.376	95	162156	24.64	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	82.13%		
63) Toluene-d8	10.058	98	374285	18.51	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	61.70%#		
Target Compounds						
						Qvalue
18) Methylene Chloride	4.499	84	1687	0.26	ug/l #	69
25) Chloroform	7.328	83	91979	8.29	ug/l	97
30) 2-Butanone	6.788	43	410	0.23	ug/l #	72
41) Bromodichloromethane	9.367	83	4653	0.87	ug/l #	74
56) Bromoform	12.379	173	1337	0.49	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.376	75	75922	32.74	ug/l #	10

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

Quant Time: Dec 16 07:19:10 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 15 15:18:54 2020
Response via : Initial Calibration

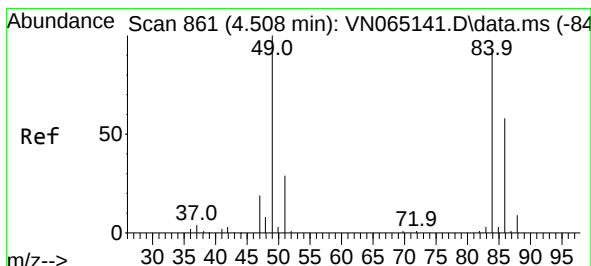
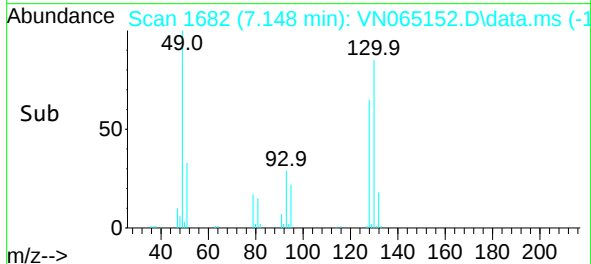
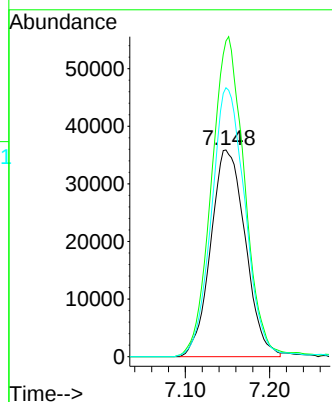
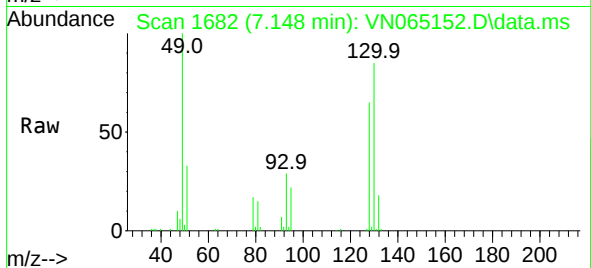




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.148 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

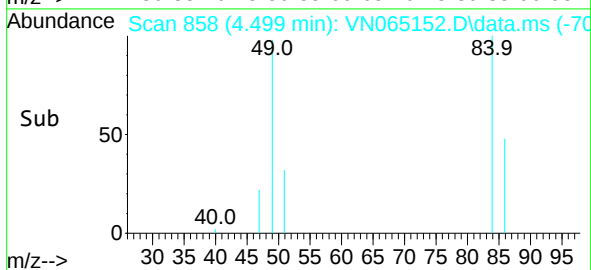
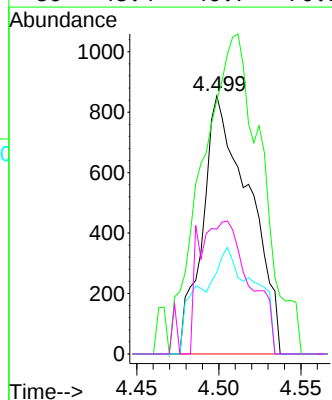
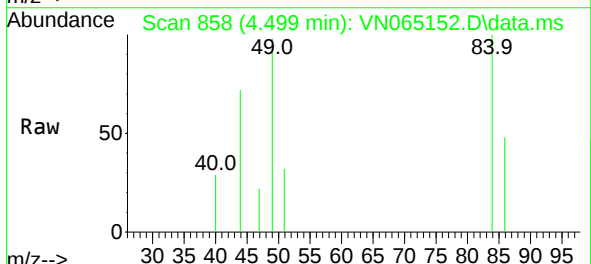
Instrument :
MSVOA_N
ClientSampled :

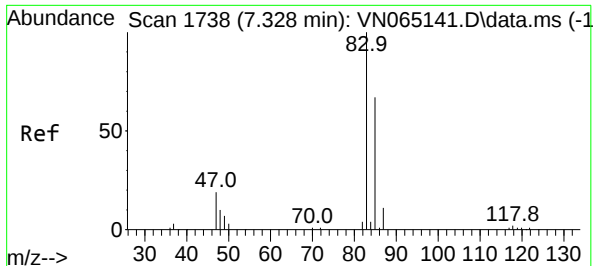
Tgt Ion:128 Resp: 102176
Ion Ratio Lower Upper
128 100
49 147.7 0.0 475.5
130 125.9 0.0 315.3



#18
Methylene Chloride
Concen: 0.26 ug/l
RT: 4.499 min Scan# 858
Delta R.T. -0.010 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

Tgt Ion: 84 Resp: 1687
Ion Ratio Lower Upper
84 100
49 76.1 102.1 153.1#
51 31.6 32.6 48.8#
86 48.4 46.7 70.1



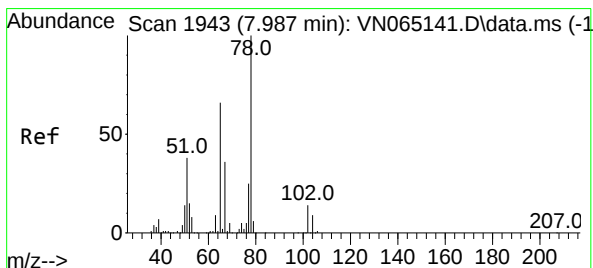
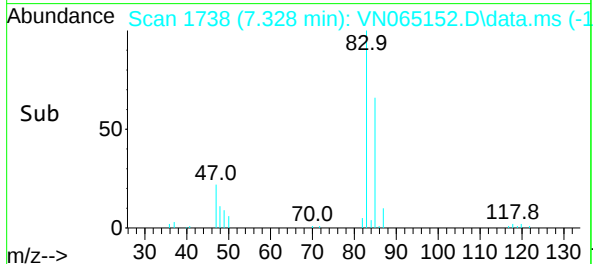
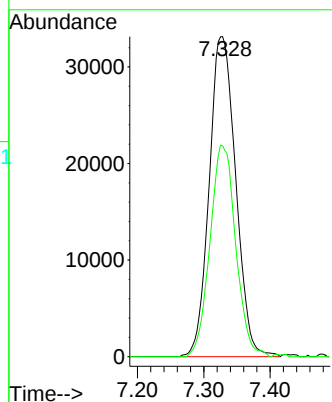
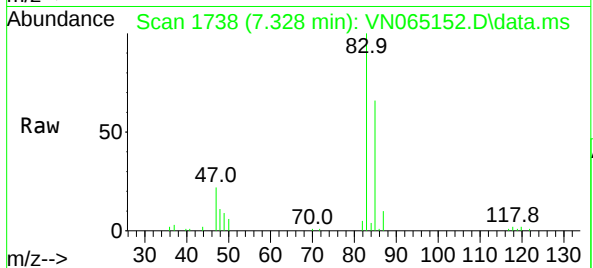


#25

Chloroform
Concen: 8.29 ug/l
RT: 7.328 min Scan# 1738
Delta R.T. -0.000 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

Instrument :
MSVOA_N
ClientSampled :

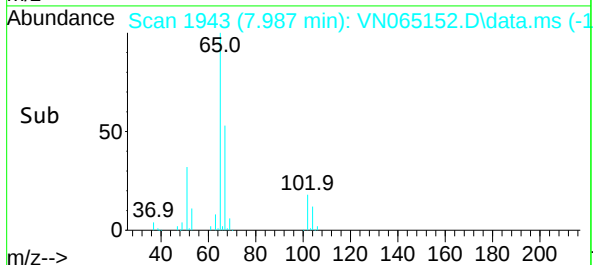
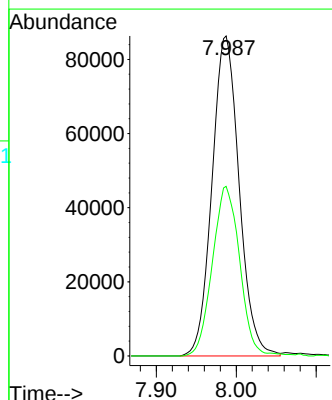
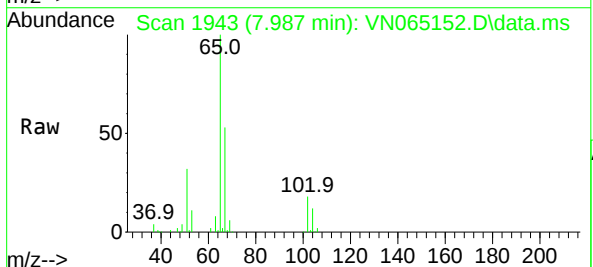
Tgt Ion: 83 Resp: 91979
Ion Ratio Lower Upper
83 100
85 65.9 50.6 75.8

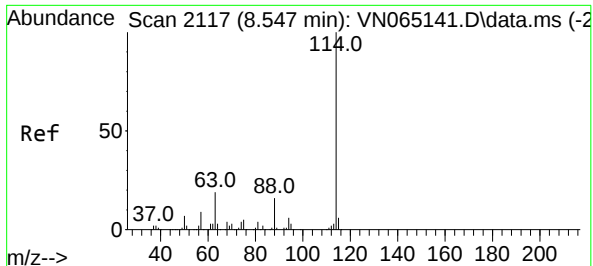


#27

1,2-Dichloroethane-d4
Concen: 29.07 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

Tgt Ion: 65 Resp: 203349
Ion Ratio Lower Upper
65 100
67 52.9 41.1 61.7

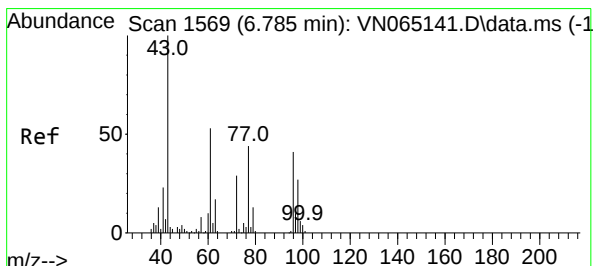
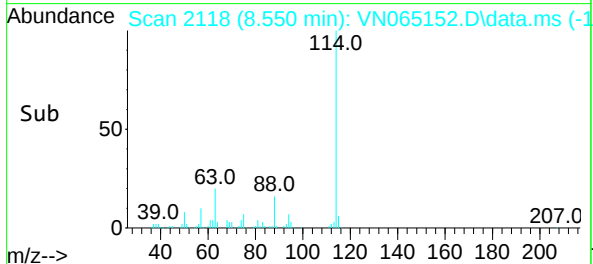
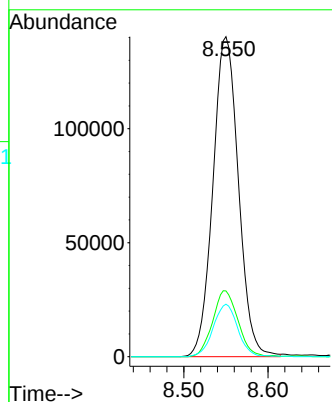
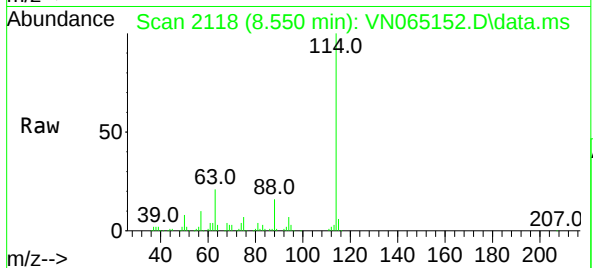




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

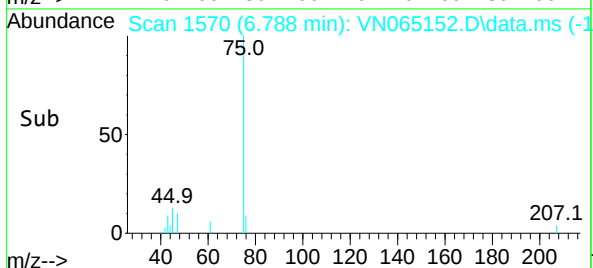
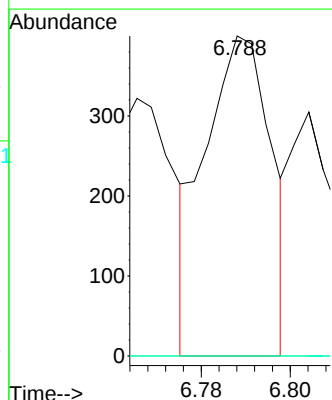
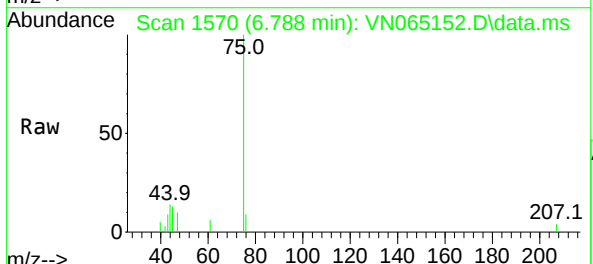
Instrument :
MSVOA_N
ClientSampled :

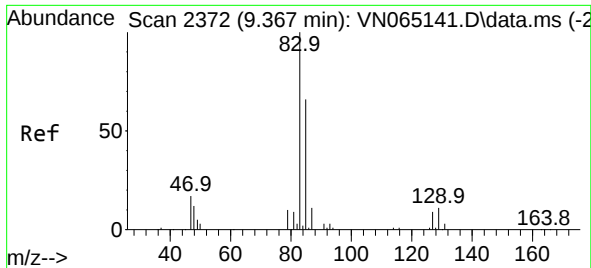
Tgt Ion:114 Resp: 294956
Ion Ratio Lower Upper
114 100
63 20.4 18.5 27.7
88 15.7 13.0 19.6



#30
2-Butanone
Concen: 0.23 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 0.0 9.9 14.9#

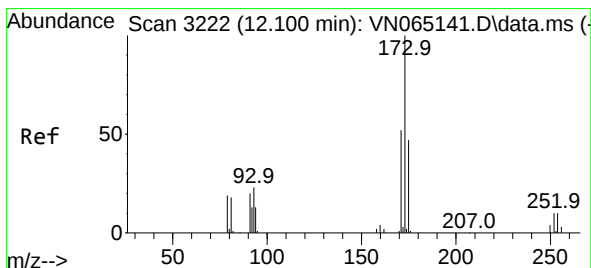
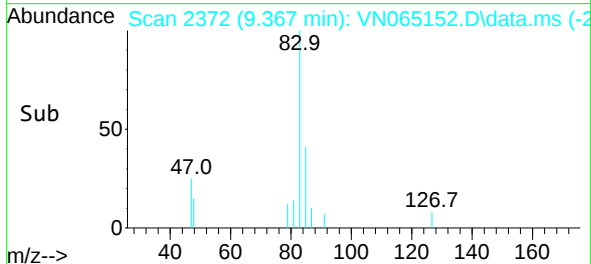
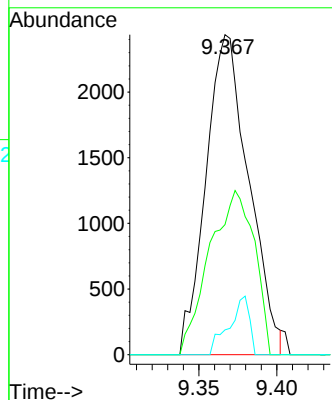
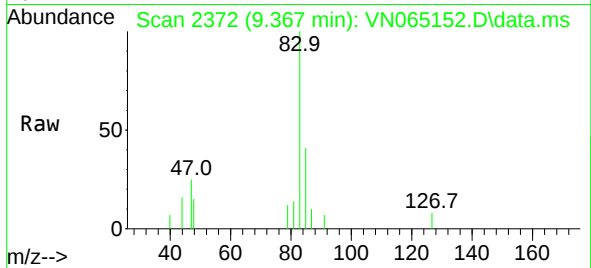




#41
Bromodichloromethane
Concen: 0.87 ug/l
RT: 9.367 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

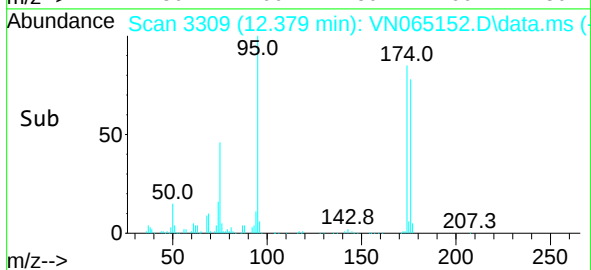
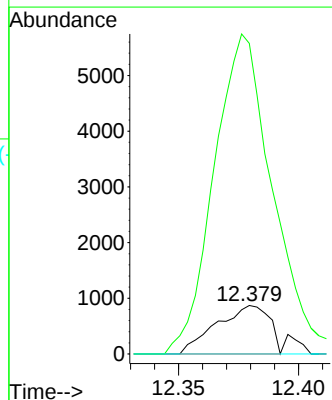
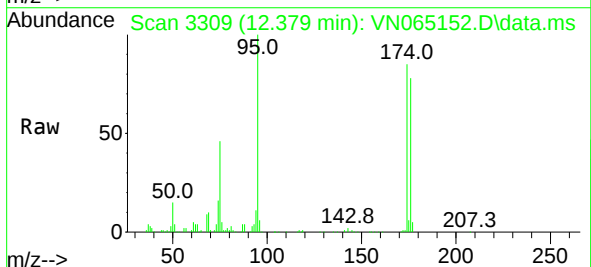
Instrument :
MSVOA_N
ClientSampled :

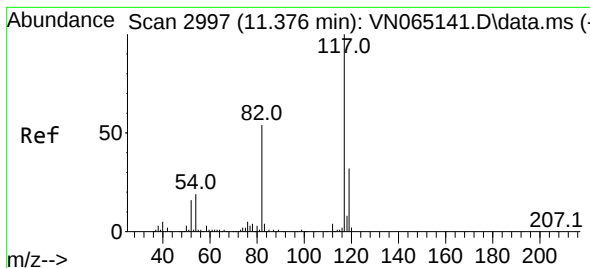
Tgt Ion: 83 Resp: 4653
Ion Ratio Lower Upper
83 100
85 40.7 51.0 76.4#
127 7.8 6.2 9.4



#56
Bromoform
Concen: 0.49 ug/l
RT: 12.379 min Scan# 3309
Delta R.T. 0.280 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

Tgt Ion:173 Resp: 1337
Ion Ratio Lower Upper
173 100
175 729.6 37.1 55.7#
254 0.0 5.4 8.2#

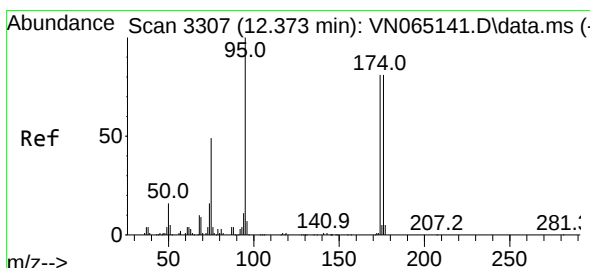
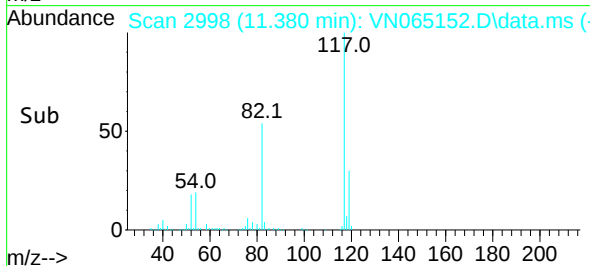
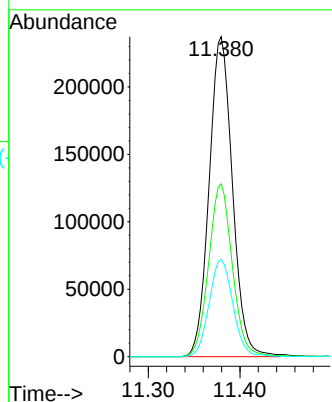
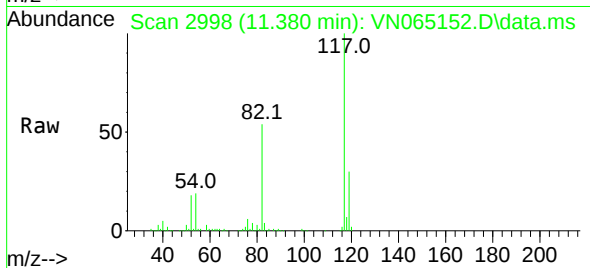




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

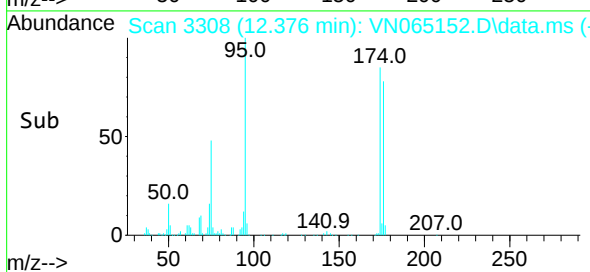
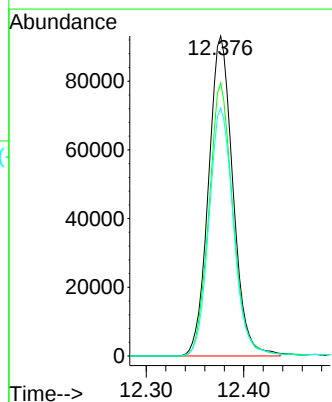
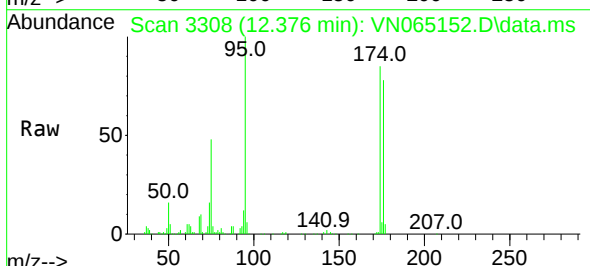
Instrument :
MSVOA_N
ClientSampleId :

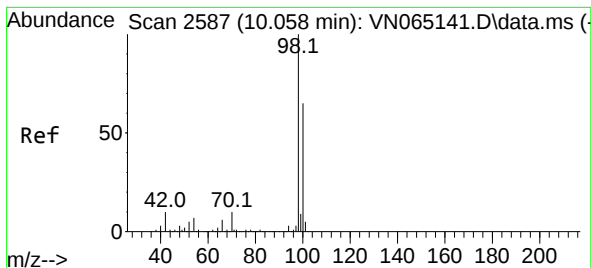
Tgt Ion:117 Resp: 418821
Ion Ratio Lower Upper
117 100
82 55.1 47.8 71.8
119 31.0 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 24.64 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

Tgt Ion: 95 Resp: 162156
Ion Ratio Lower Upper
95 100
174 84.0 56.4 84.6
176 77.9 53.3 79.9

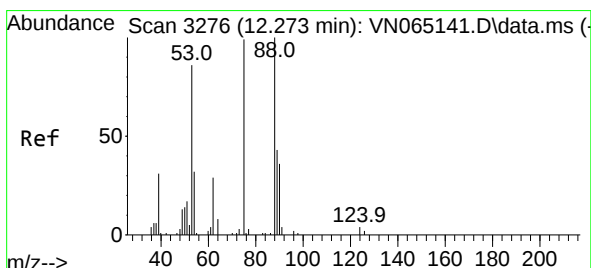
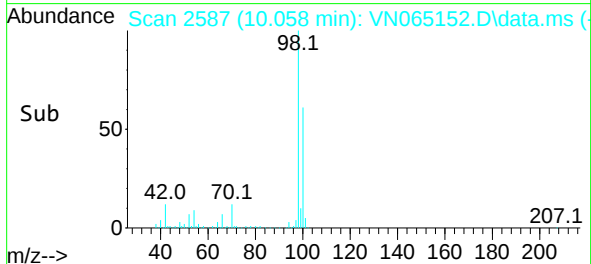
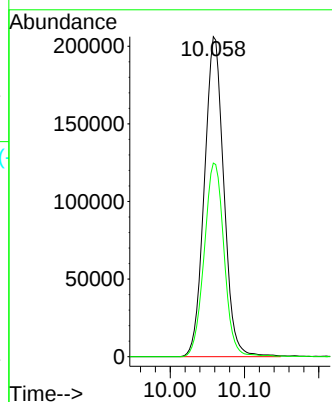
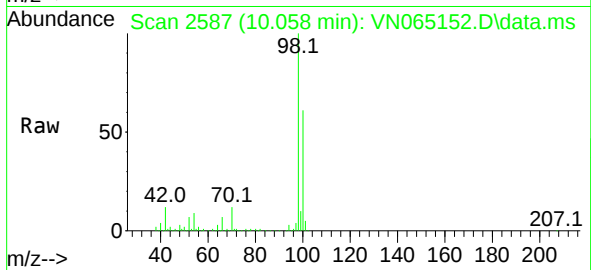




#63
Toluene-d8
Concen: 18.51 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 98 Resp: 374285
Ion Ratio Lower Upper
98 100
100 61.6 49.4 74.2



#77
t-1,4-Dichloro-2-butene
Concen: 32.74 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065152.D
Acq: 15 Dec 2020 19:22

Tgt Ion: 75 Resp: 75922
Ion Ratio Lower Upper
75 100
53 0.5 50.3 150.9#
89 0.0 23.3 69.8#

