

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056683.D
 Acq On : 12 Jul 2019 12:06
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Jul 13 00:17:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	54165	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	292754	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	234856	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110236	30.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.17%
60) 4-Bromofluorobenzene	12.40	95	86733	24.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.43%
63) Toluene-d8	10.09	98	337162	31.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.73%

Target Compounds

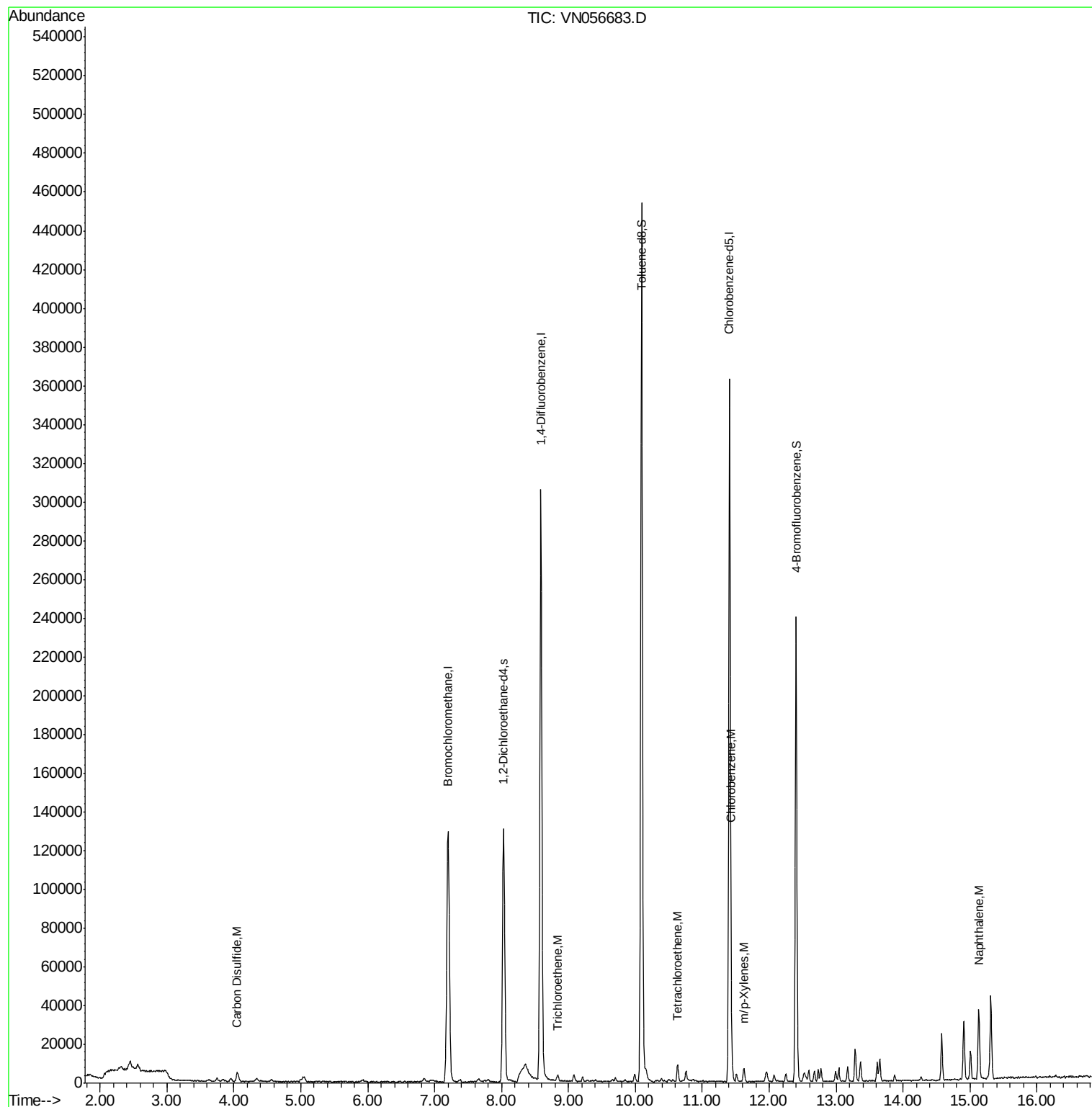
					Ovalue
16) Carbon Disulfide	4.05	76	9238	1.096 ug/l	97
37) Trichloroethene	8.84	130	1455	0.375 ug/l #	79
61) Tetrachloroethene	10.63	164	1992	0.590 ug/l	99
64) Chlorobenzene	11.44	112	2674	0.318 ug/l	99
67) m/p-Xylenes	11.62	106	2690	0.478 ug/l	94
91) Naphthalene	15.13	128	34322	3.768 ug/l	99

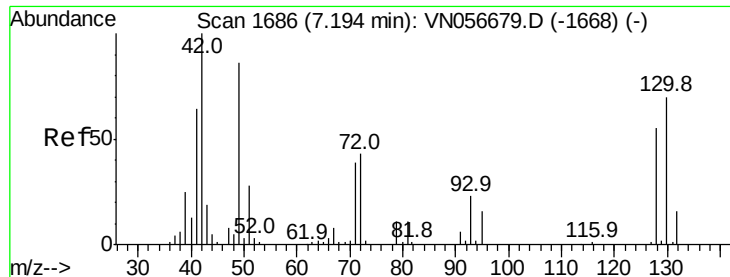
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN056683.D

Acq: 12 Jul 2019 12:06

Instrument :

MSVOA_N

ClientSampled :

I.BLK

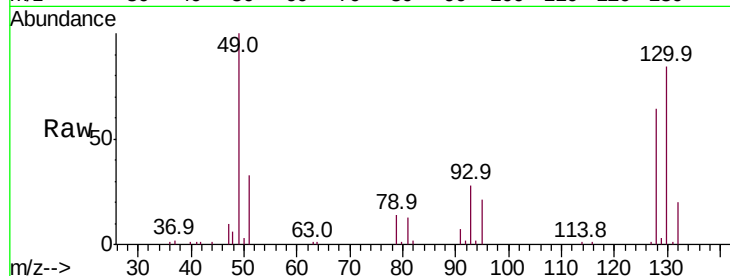
Tot Ion:128 Resp: 54165

Ion Ratio Lower Upper

128 100

49 154.6 0.0 390.5

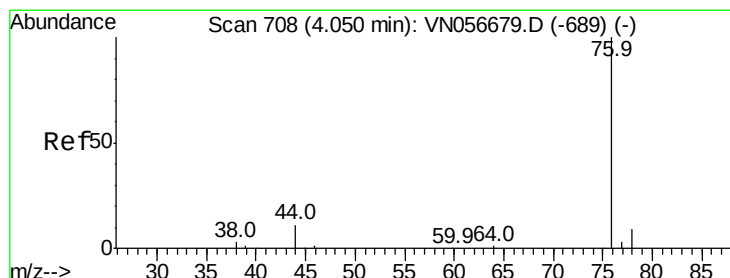
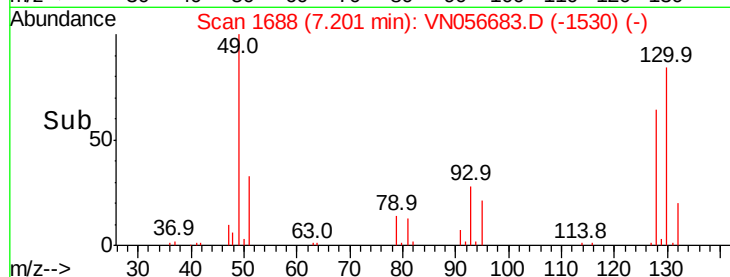
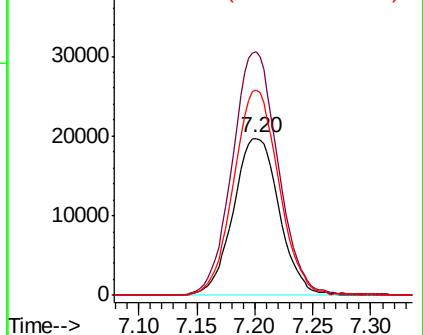
130 128.6 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#16

Carbon Disulfide

Concen: 1.096 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056683.D

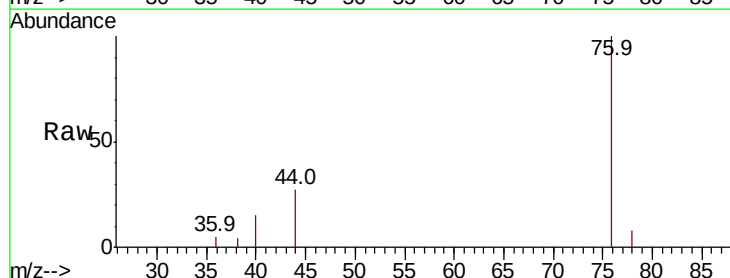
Acq: 12 Jul 2019 12:06

Tgt Ion: 76 Resp: 9238

Ion Ratio Lower Upper

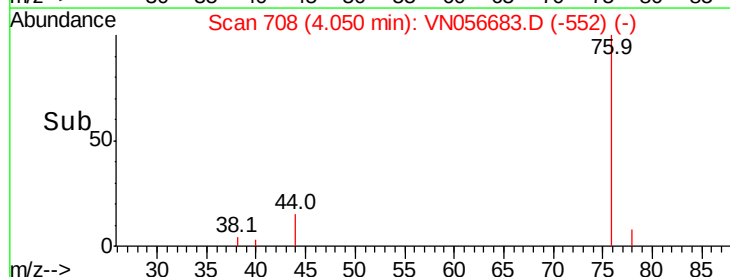
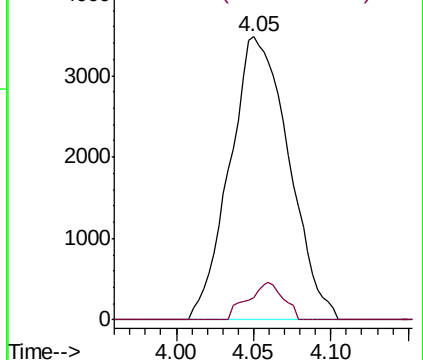
76 100

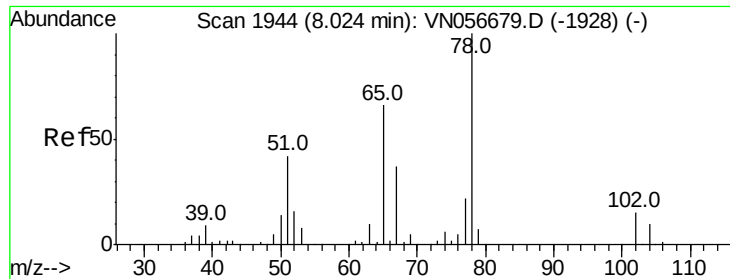
78 8.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

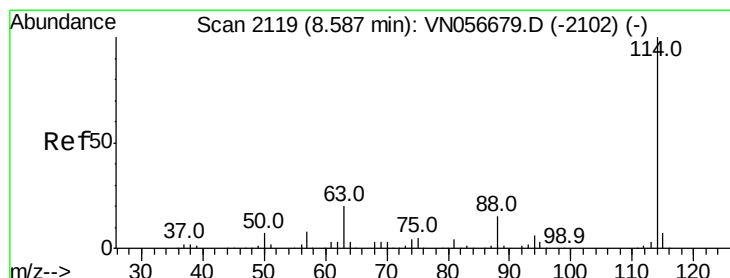
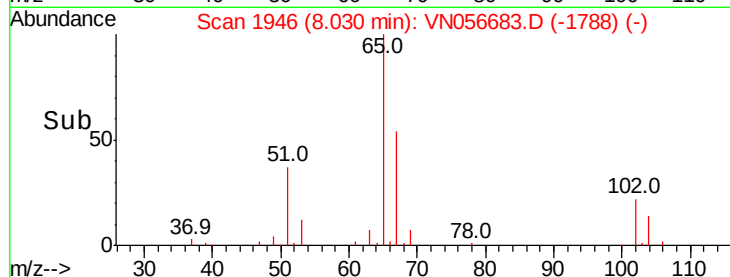
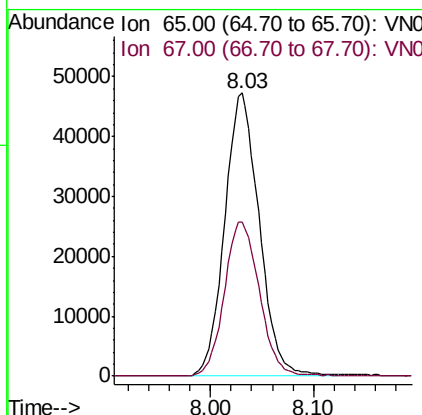
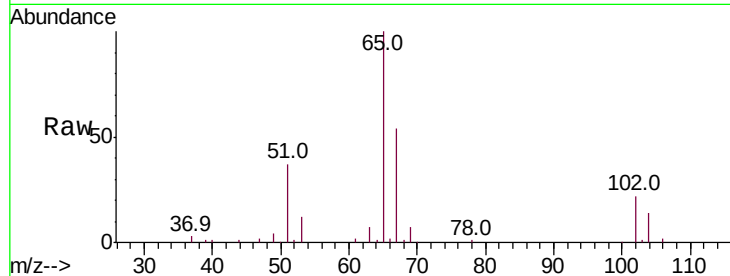




#27
 1,2-Dichloroethane-d4
 Concen: 30.045 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.01 min
 Lab File: VN056683.D
 Acq: 12 Jul 2019 12:06

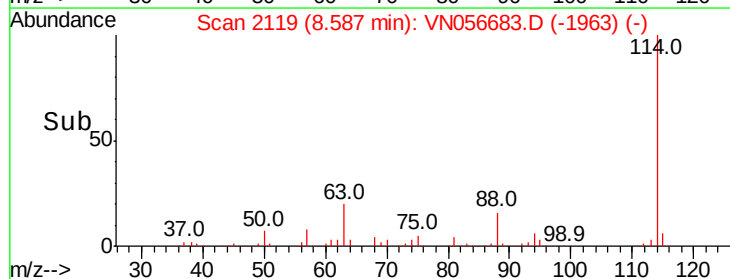
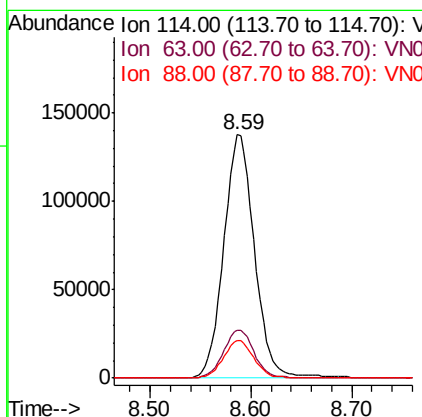
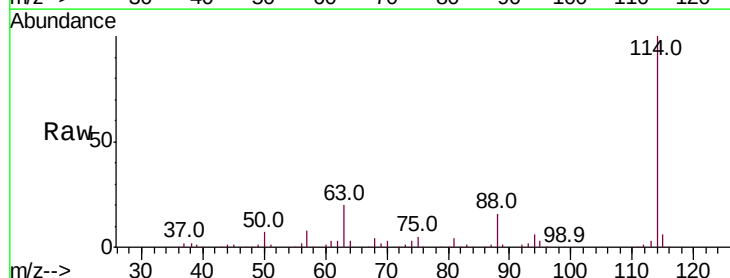
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

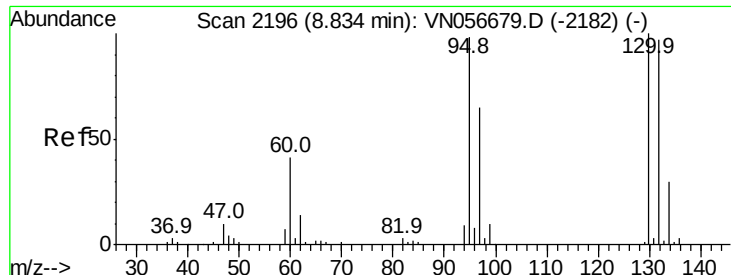
Tot Ion: 65 Resp: 110236
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056683.D
 Acq: 12 Jul 2019 12:06

Tgt Ion: 114 Resp: 292754
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.3 12.3 18.5

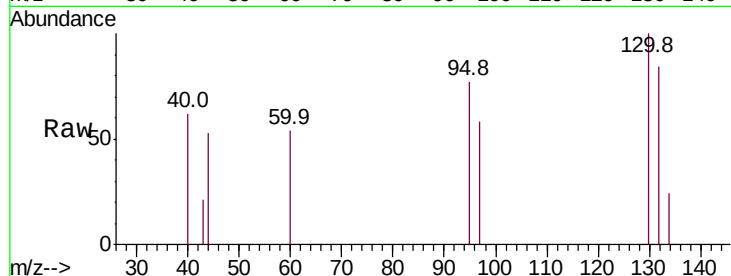




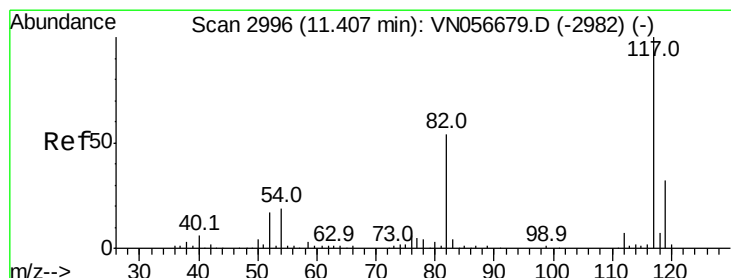
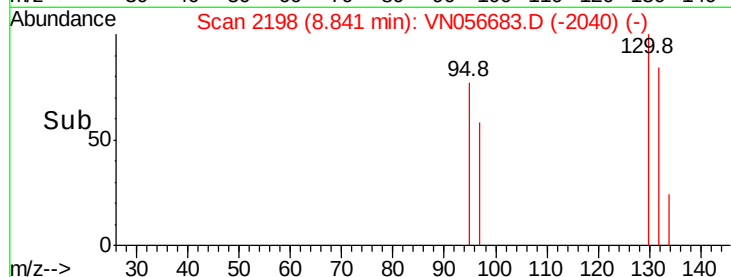
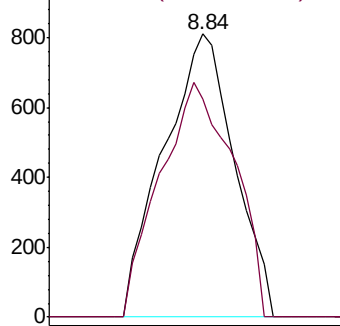
#37
 Trichloroethene
 Concen: 0.375 ug/l
 RT: 8.84 min Scan# 2198
 Delta R.T. 0.01 min
 Lab File: VN056683.D
 Acq: 12 Jul 2019 12:06

Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

Tot Ion:130 Resp: 1455
 Ion Ratio Lower Upper
 130 100
 95 77.3 78.4 117.6#

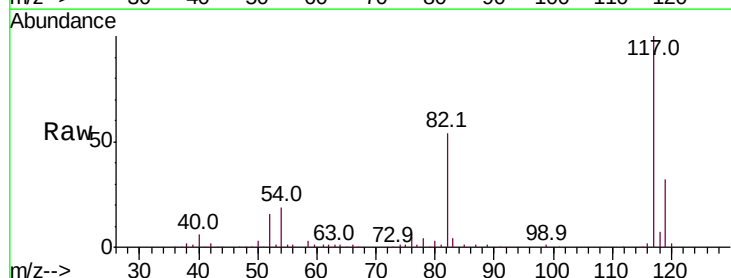


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN0

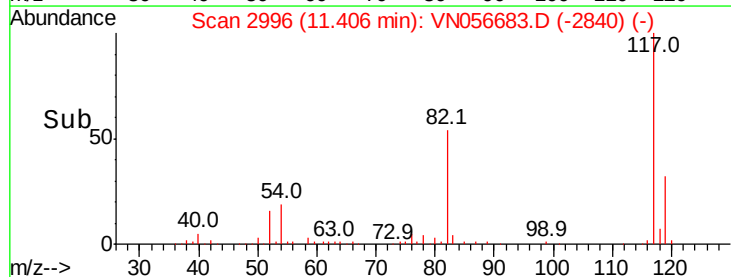
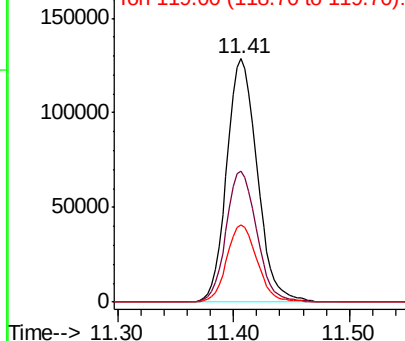


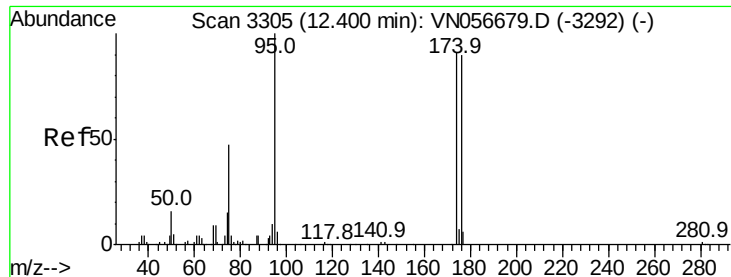
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN056683.D
 Acq: 12 Jul 2019 12:06

Tgt Ion:117 Resp: 234856
 Ion Ratio Lower Upper
 117 100
 82 53.8 43.0 64.4
 119 31.6 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VN0
 Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 24.131 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056683.D

Acq: 12 Jul 2019 12:06

Instrument :

MSVOA_N

ClientSampled :

I.BLK

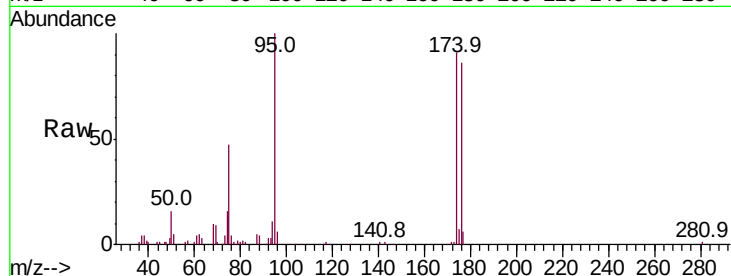
Tot Ion: 95 Resp: 86733

Ion Ratio Lower Upper

95 100

174 91.2 72.6 108.8

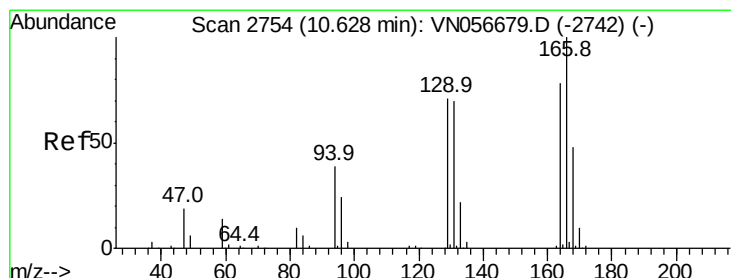
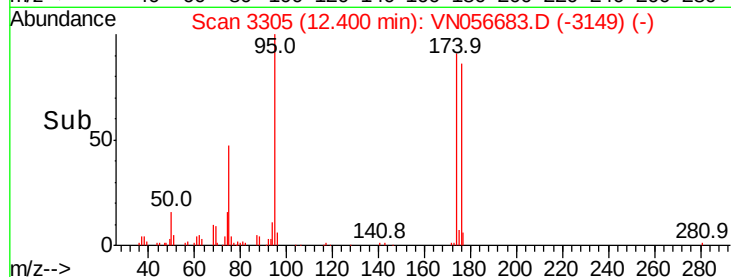
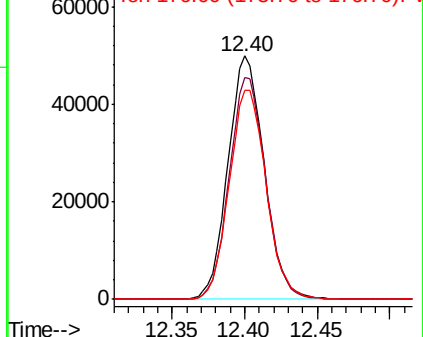
176 87.3 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN056679.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN056679.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN056679.D (-3292) (-)



#61

Tetrachloroethene

Concen: 0.590 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056683.D

Acq: 12 Jul 2019 12:06

Tgt Ion: 164 Resp: 1992

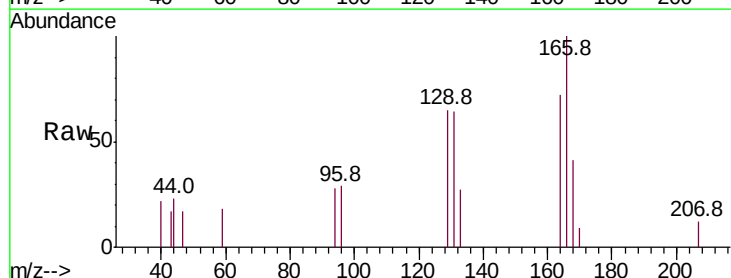
Ion Ratio Lower Upper

164 100

166 126.9 102.3 153.5

129 90.1 72.6 108.8

131 88.8 71.4 107.2

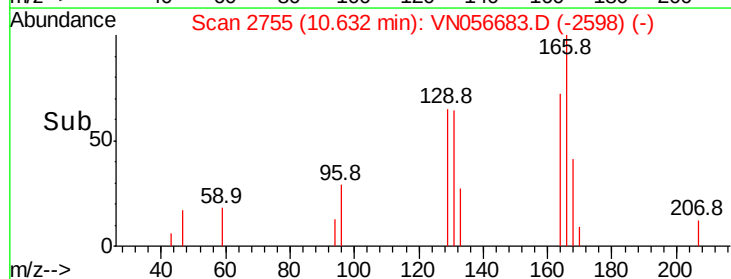
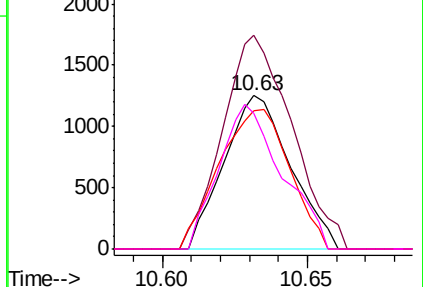


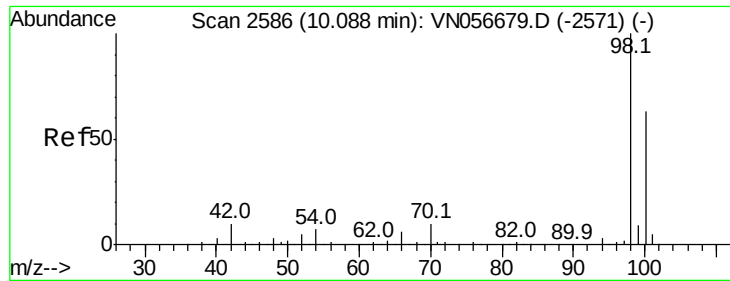
Abundance Ion 163.85 (163.55 to 164.55): VN056679.D (-2742) (-)

Ion 165.80 (165.50 to 166.50): VN056679.D (-2742) (-)

Ion 128.90 (128.60 to 129.60): VN056679.D (-2742) (-)

Ion 130.90 (130.60 to 131.60): VN056679.D (-2742) (-)

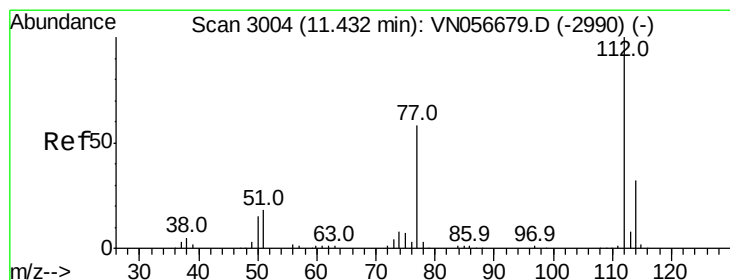
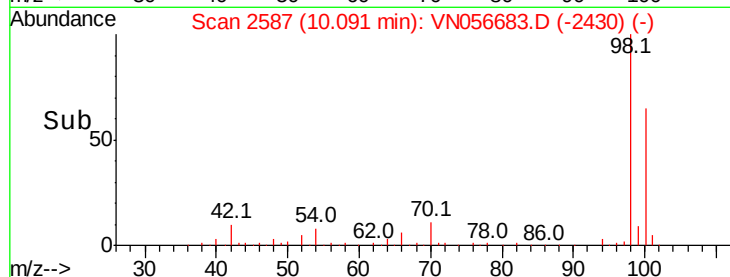
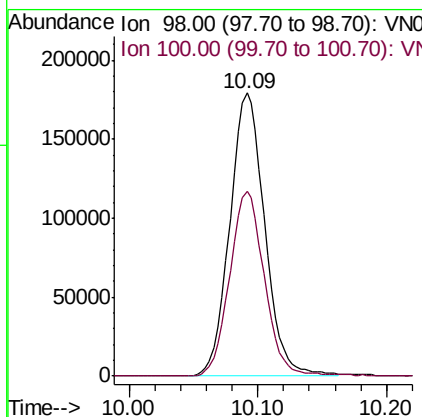
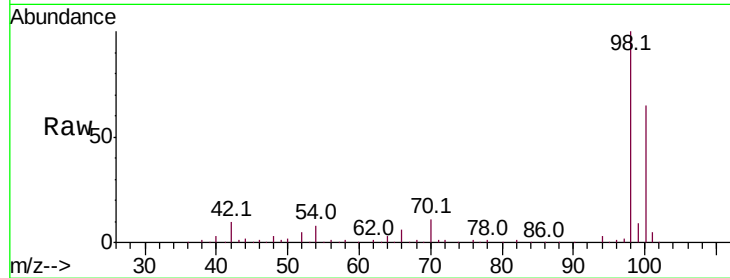




#63
Toluene-d8
Concen: 31.420 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056683.D
Acq: 12 Jul 2019 12:06

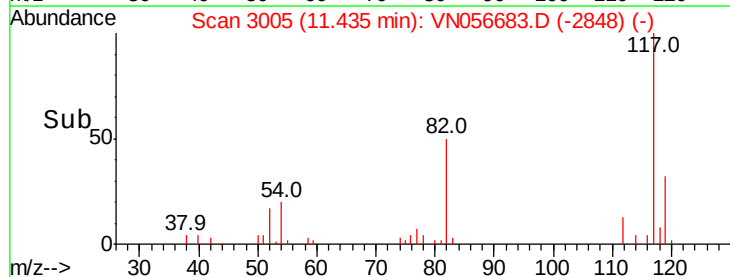
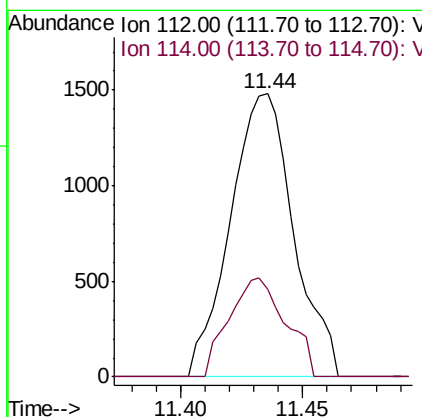
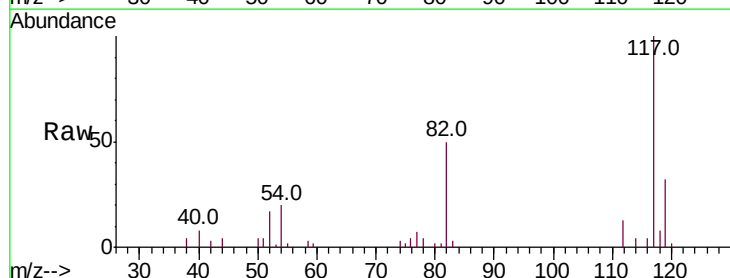
Instrument :
MSVOA_N
ClientSampled :
I.BLK

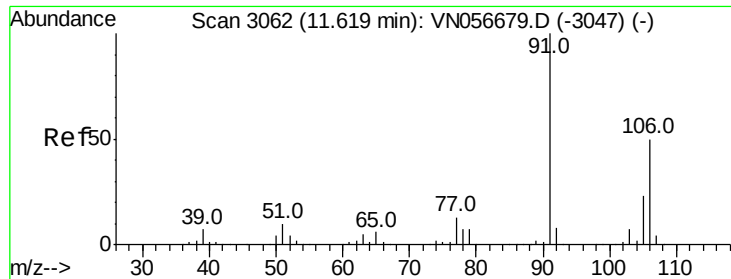
Tot Ion: 98 Resp: 337162
Ion Ratio Lower Upper
98 100
100 65.0 51.1 76.7



#64
Chlorobenzene
Concen: 0.318 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN056683.D
Acq: 12 Jul 2019 12:06

Tgt Ion: 112 Resp: 2674
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9

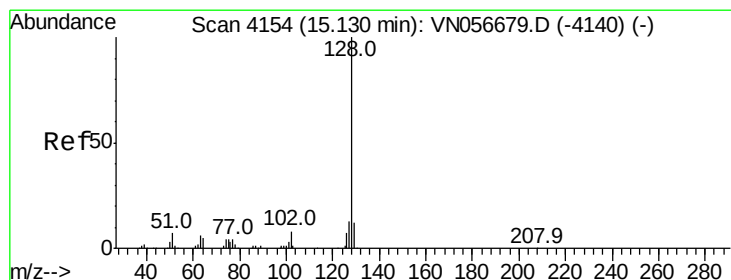
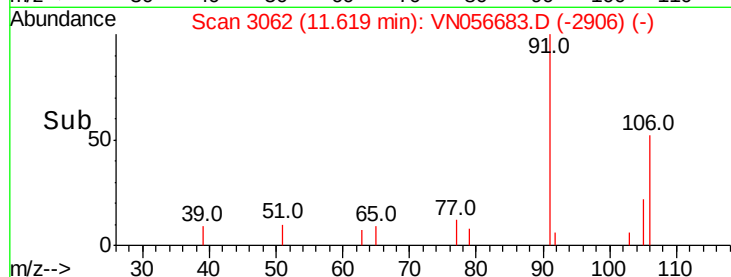
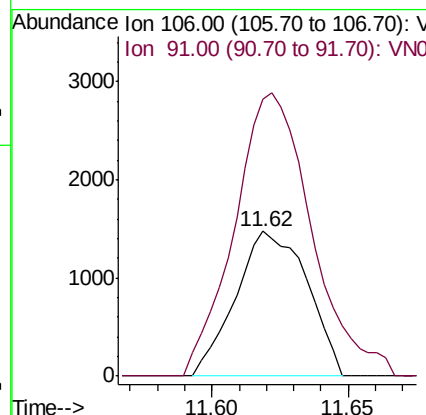
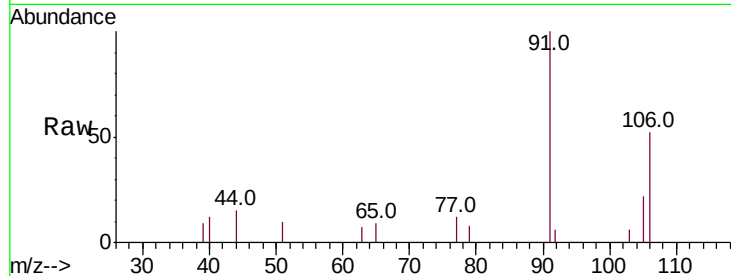




#67
m/p-Xylenes
Concen: 0.478 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056683.D
Acq: 12 Jul 2019 12:06

Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Tot Ion:106 Resp: 2690
Ion Ratio Lower Upper
106 100
91 210.9 161.8 242.8



#91
Naphthalene
Concen: 3.768 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056683.D
Acq: 12 Jul 2019 12:06

Tgt Ion:128 Resp: 34322
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 10.9 8.8 13.2

