

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056802.D
 Acq On : 18 Jul 2019 9:59
 Operator : JC/SP
 Sample : VN0718WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL01

Quant Time: Jul 19 05:30:38 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	7.19	128	49839	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	272769	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	212502	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	105094	31.13	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	103.77%	
60) 4-Bromofluorobenzene	12.40	95	70931	21.81	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	72.70%	
63) Toluene-d8	10.09	98	318045	32.76	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	109.20%	

Target Compounds

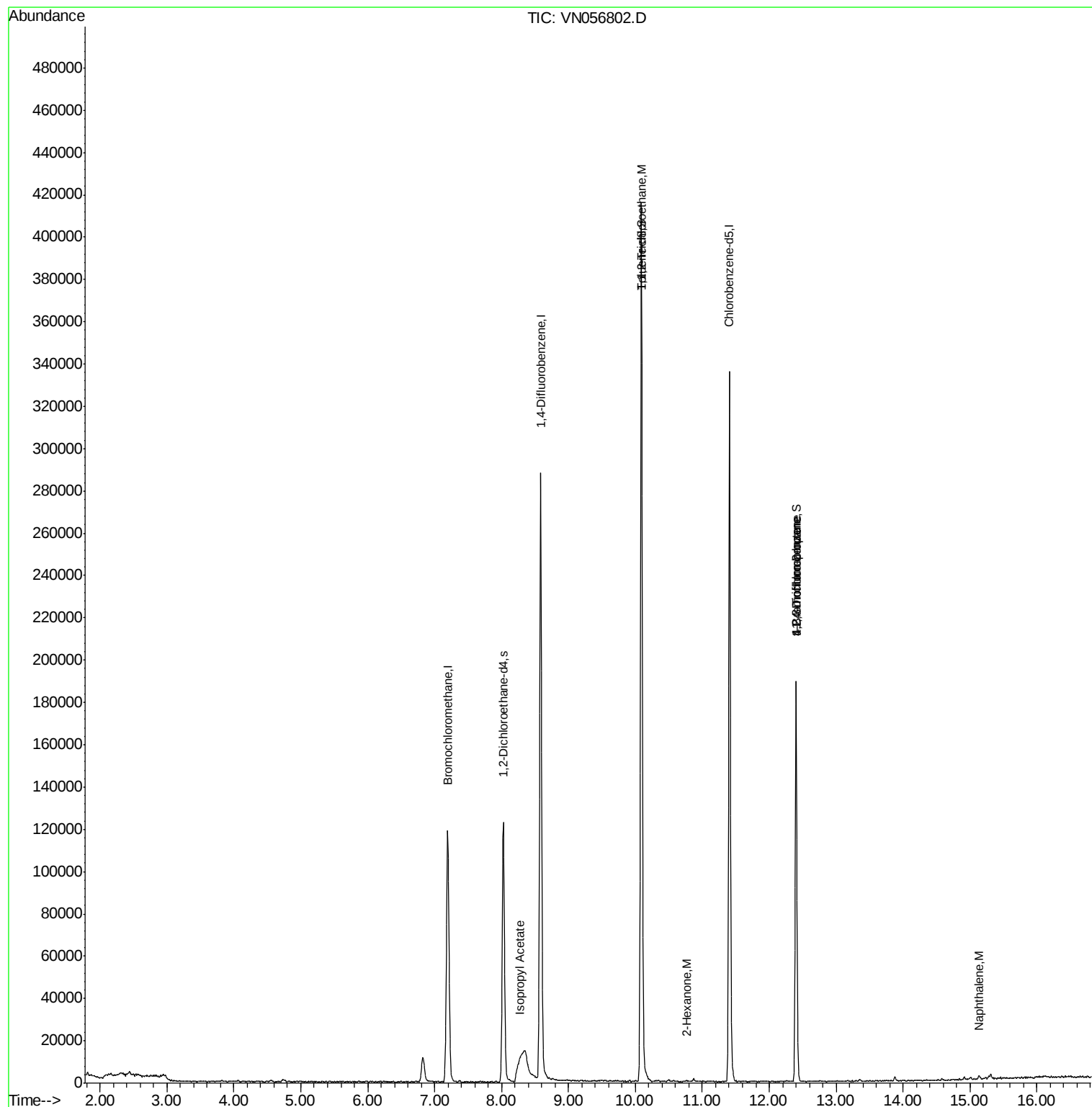
					Ovalue	
44) Isopropyl Acetate	8.26	43	7374	1.042	ug/l #	47
50) 1,1,2-Trichloroethane	10.10	97	9942	2.996	ug/l #	1
59) 2-Hexanone	10.77	43	618	0.204	ug/l #	32
72) 1,2,3-Trichloropropane	12.40	75	32944	9.123	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	32944	27.444	ug/l #	11
91) Naphthalene	15.13	128	1886	0.229	ug/l #	80

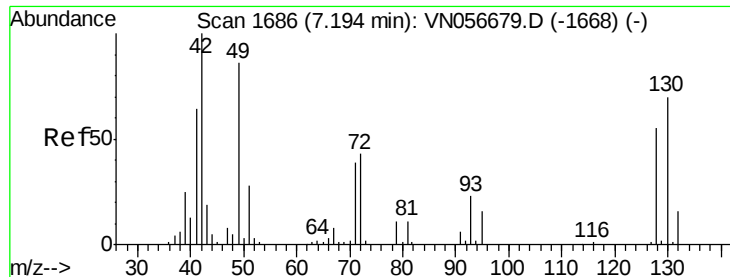
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056802.D

Acq: 18 Jul 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

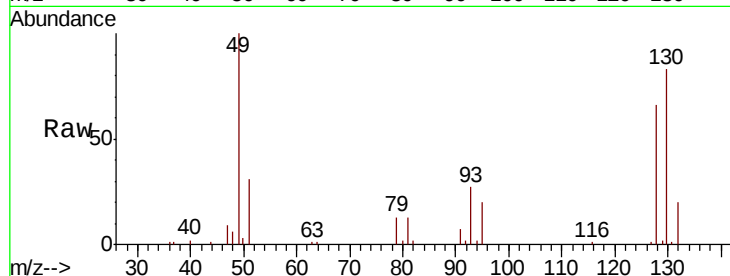
Tot Ion:128 Resp: 49839

Ion Ratio Lower Upper

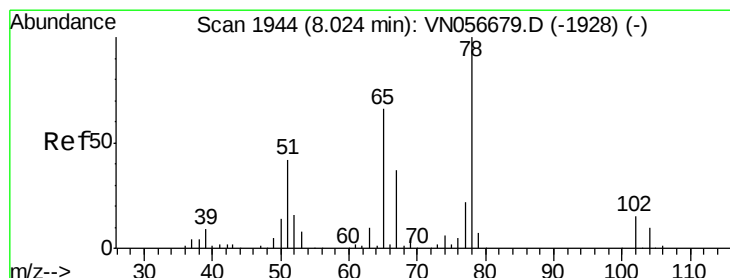
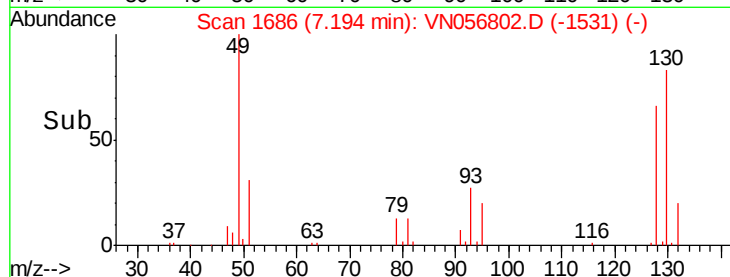
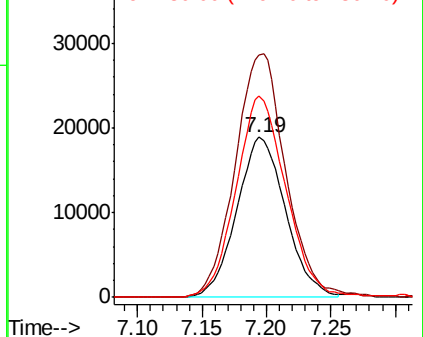
128 100

49 157.9 0.0 390.5

130 128.9 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 31.130 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056802.D

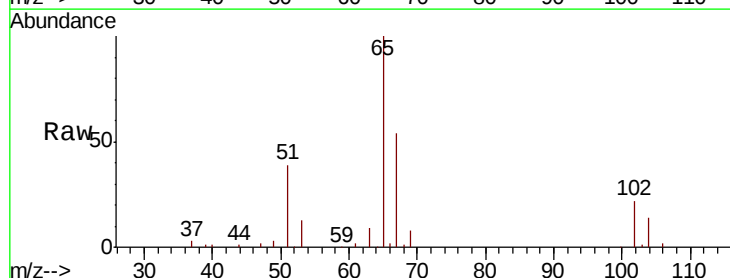
Acq: 18 Jul 2019 9:59

Tgt Ion: 65 Resp: 105094

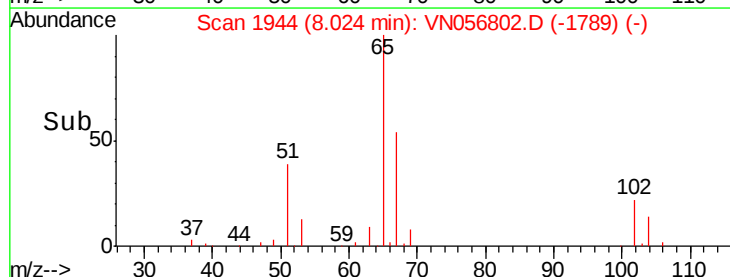
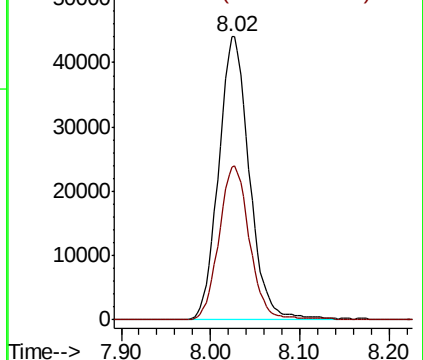
Ion Ratio Lower Upper

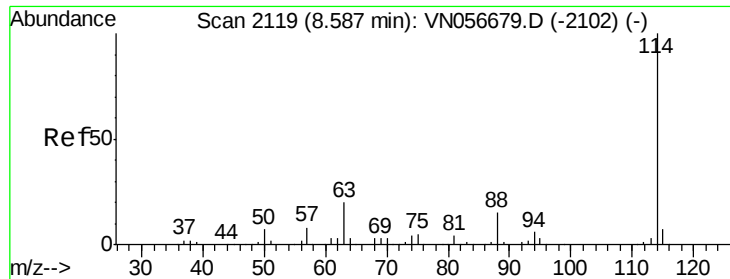
65 100

67 53.8 43.4 65.0



Abundance Ion 65.00 (64.70 to 65.70): VN
Ion 67.00 (66.70 to 67.70): VN

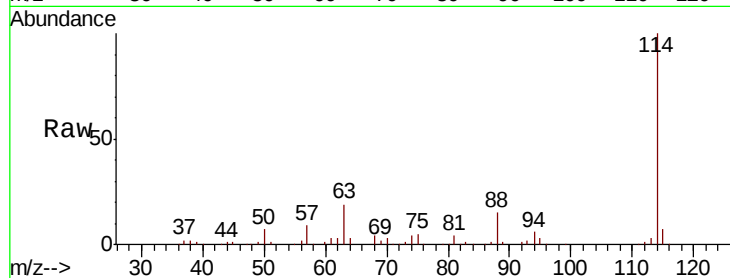




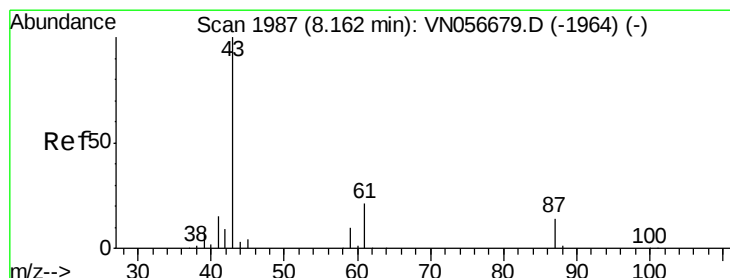
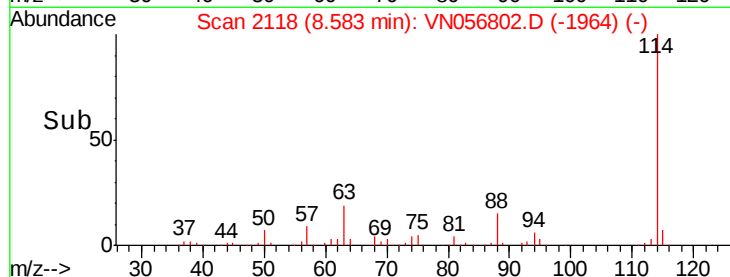
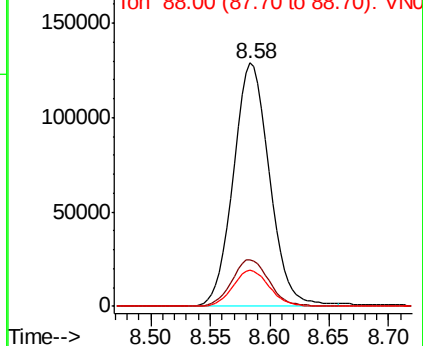
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056802.D
 Acq: 18 Jul 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL01

Tot Ion:114 Resp: 272769
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 14.9 12.3 18.5

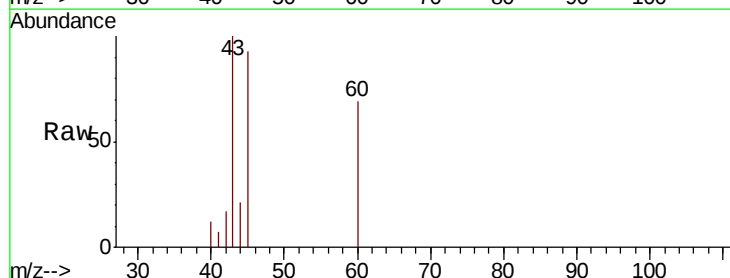


Abundance Ion 114.00 (113.70 to 114.70): VN0
 Ion 63.00 (62.70 to 63.70): VN0
 Ion 88.00 (87.70 to 88.70): VN0

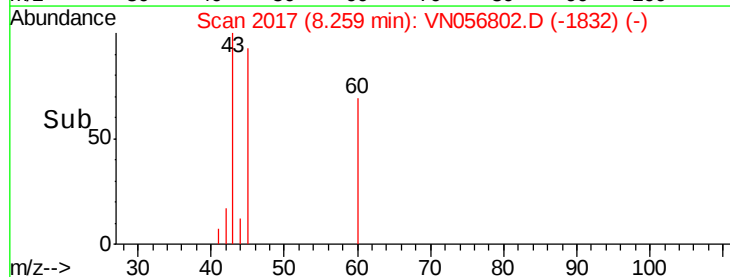
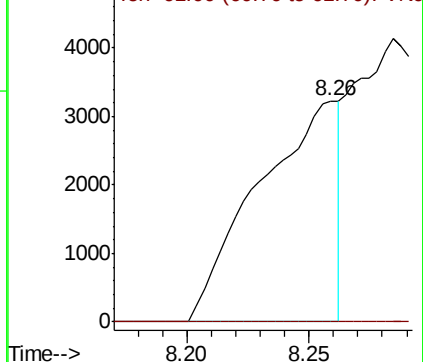


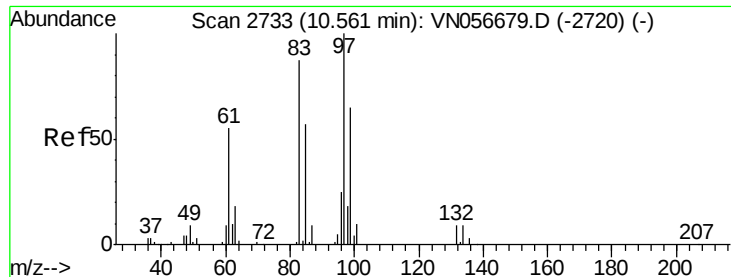
#44
 Isopropyl Acetate
 Concen: 1.042 ug/l
 RT: 8.26 min Scan# 2017
 Delta R.T. 0.10 min
 Lab File: VN056802.D
 Acq: 18 Jul 2019 9:59

Tgt Ion: 43 Resp: 7374
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0

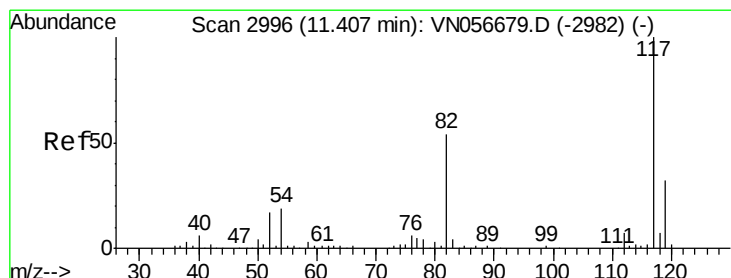
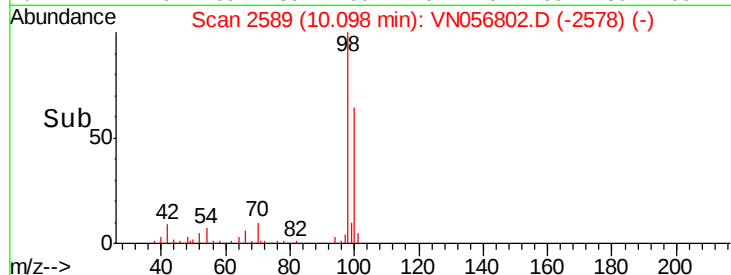
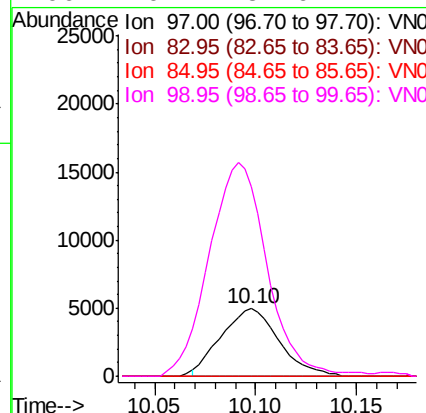
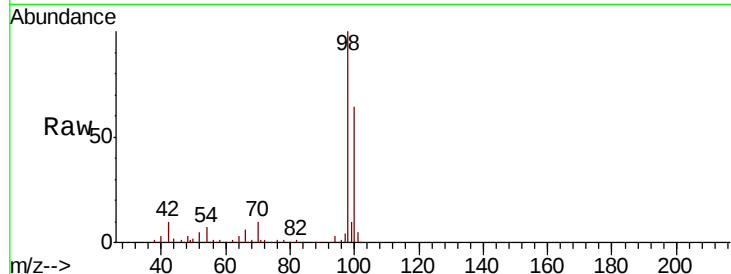




#50
1,1,2-Trichloroethane
Concen: 2.996 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.46 min
Lab File: VN056802.D
Acq: 18 Jul 2019 9:59

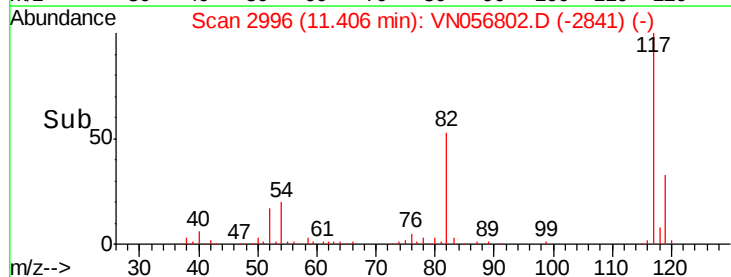
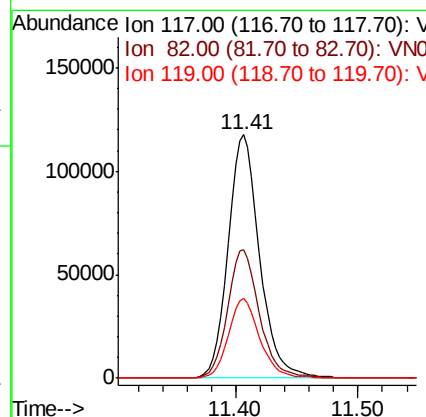
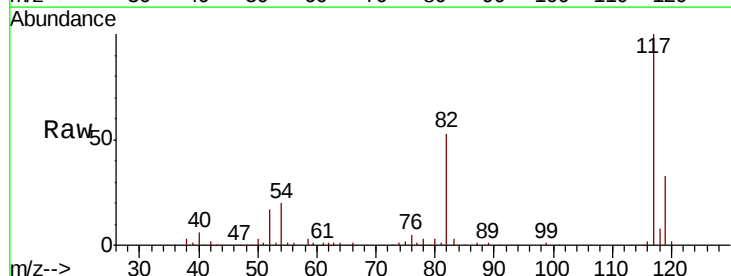
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

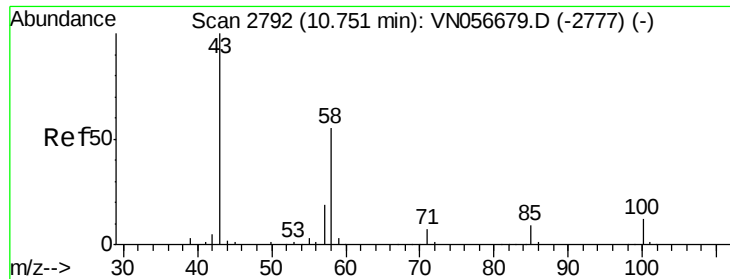
Tot Ion	97	Resp	9942
Ion Ratio	Lower	Upper	
97	100		
83	0.0	69.2	103.8#
85	0.0	45.3	67.9#
99	276.2	51.6	77.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056802.D
Acq: 18 Jul 2019 9:59

Tgt Ion	117	Resp	212502
Ion Ratio	Lower	Upper	
117	100		
82	53.3	43.0	64.4
119	32.6	26.0	39.0





#59

2-Hexanone

Concen: 0.204 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN056802.D

Acq: 18 Jul 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

VN0718WBL01

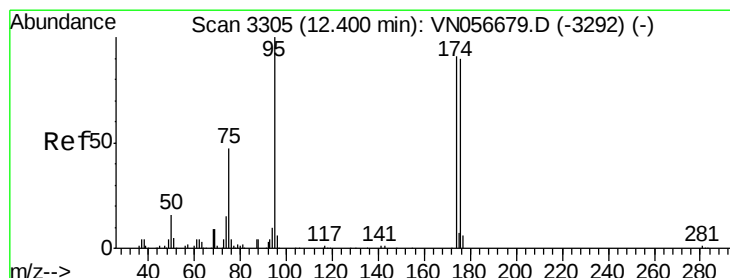
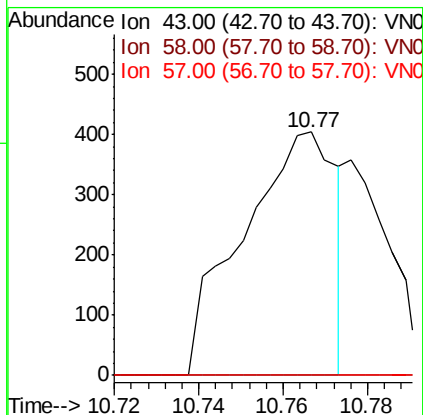
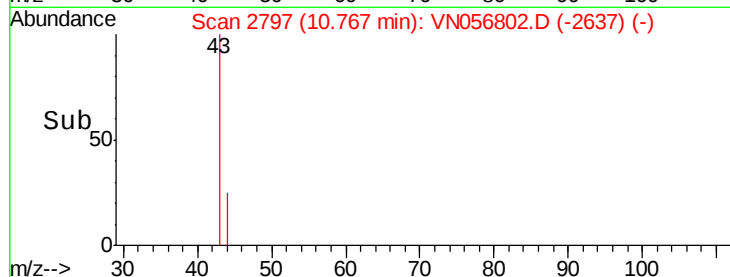
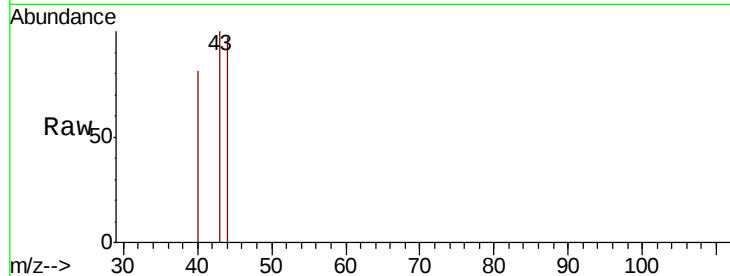
Tot Ion: 43 Resp: 618

Ion Ratio Lower Upper

43 100

58 0.0 44.4 66.6#

57 0.0 15.2 22.8#



#60

4-Bromofluorobenzene

Concen: 21.810 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056802.D

Acq: 18 Jul 2019 9:59

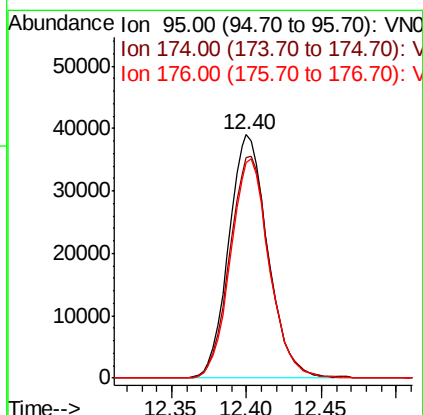
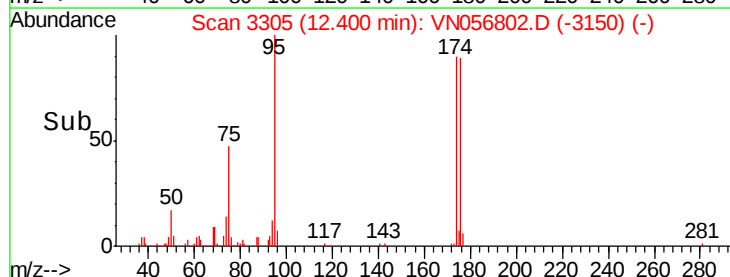
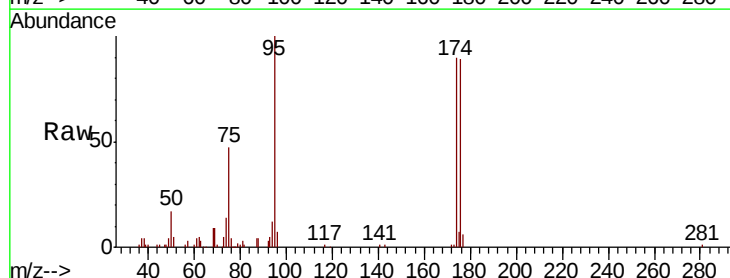
Tgt Ion: 95 Resp: 70931

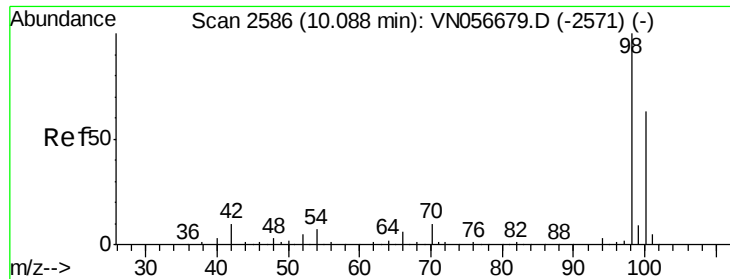
Ion Ratio Lower Upper

95 100

174 92.3 72.6 108.8

176 88.8 71.0 106.6





#63

Toluene-d8

Concen: 32.756 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056802.D

Acq: 18 Jul 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

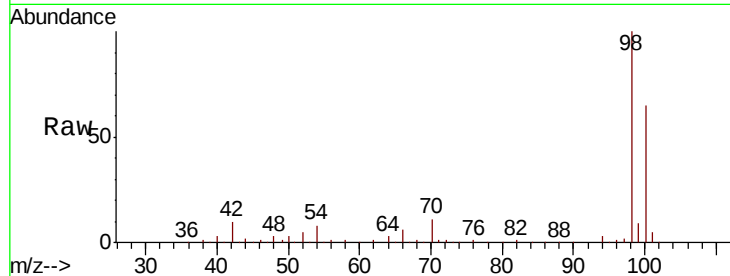
VN0718WBL01

Tot Ion: 98 Resp: 318045

Ion Ratio Lower Upper

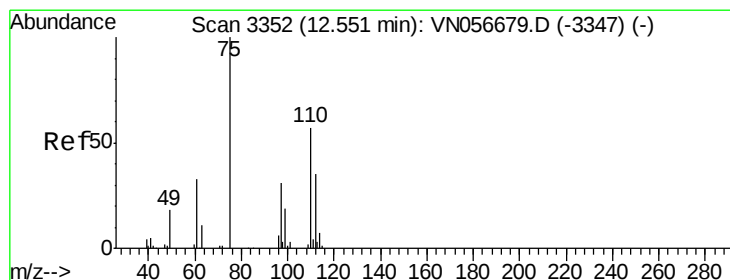
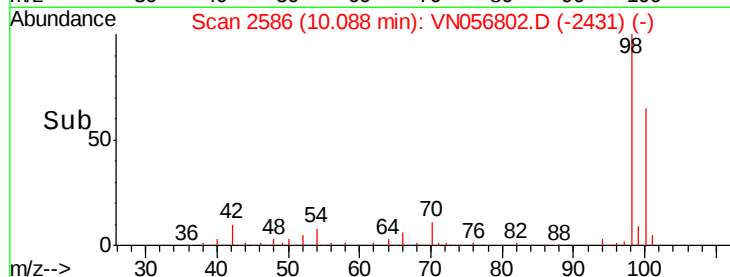
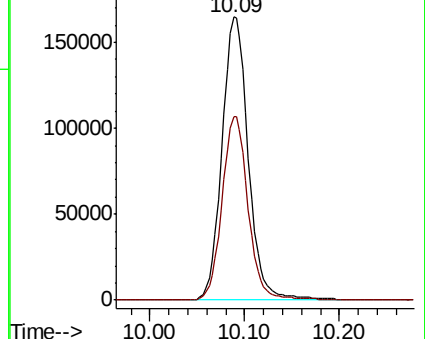
98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#72

1,2,3-Trichloropropane

Concen: 9.123 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056802.D

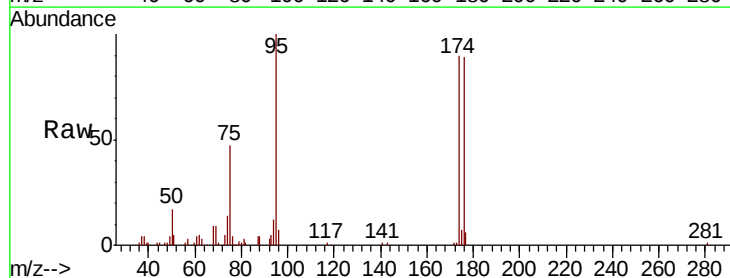
Acq: 18 Jul 2019 9:59

Tgt Ion: 75 Resp: 32944

Ion Ratio Lower Upper

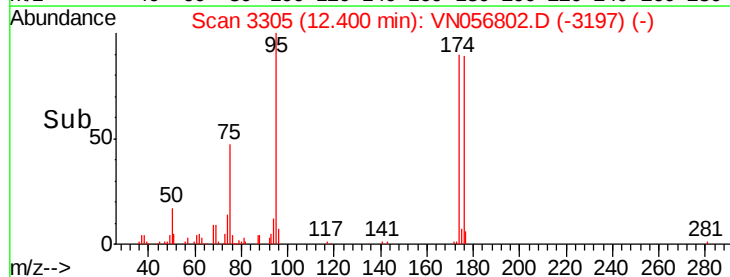
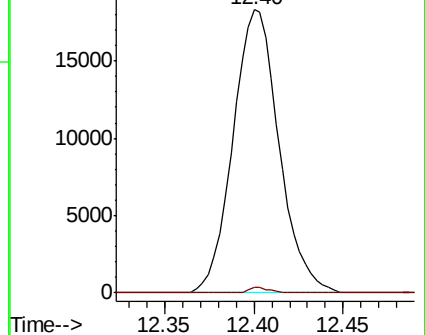
75 100

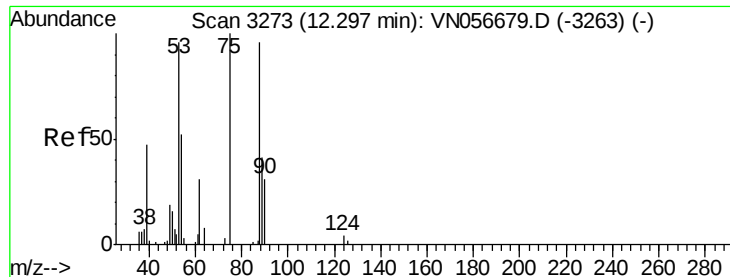
77 0.8 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

t-1,4-Dichloro-2-butene

Concen: 27.444 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056802.D

Acq: 18 Jul 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBL01

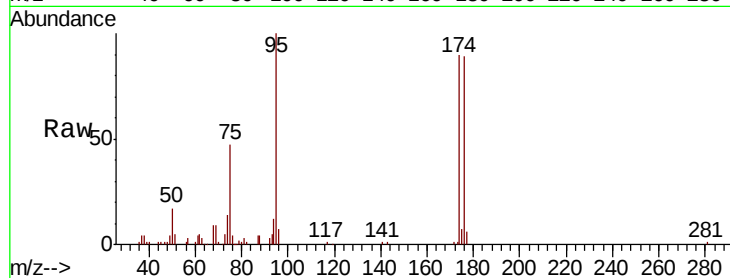
Tot Ion: 75 Resp: 32944

Ion Ratio Lower Upper

75 100

53 0.0 48.6 145.8#

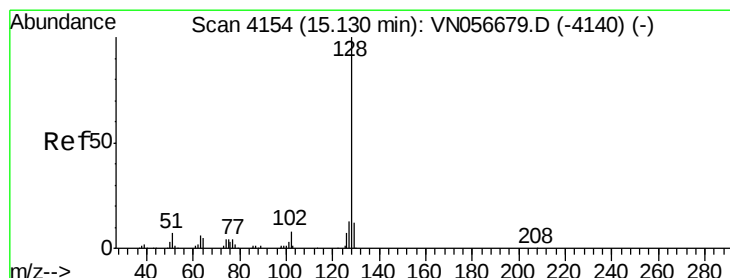
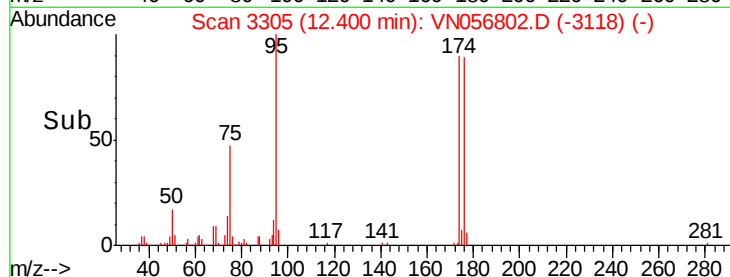
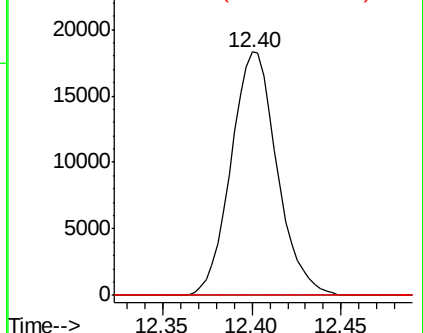
89 0.0 21.3 64.0#



Abundance Ion 75.00 (74.70 to 75.70): VN056679.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN056679.D (-3263) (-)

Ion 89.00 (88.70 to 89.70): VN056679.D (-3263) (-)



#91

Naphthalene

Concen: 0.229 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056802.D

Acq: 18 Jul 2019 9:59

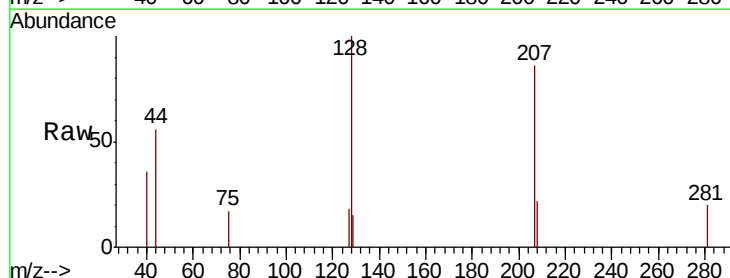
Tgt Ion:128 Resp: 1886

Ion Ratio Lower Upper

128 100

127 5.5 10.4 15.6#

129 3.1 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN056679.D (-4140) (-)

Ion 127.00 (126.70 to 127.70): VN056679.D (-4140) (-)

Ion 129.00 (128.70 to 129.70): VN056679.D (-4140) (-)

