

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
 Data File : VN058678.D
 Acq On : 10 Oct 2019 20:46
 Operator : JC/SP
 Sample : K5307-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 391009765-TRIP-BLANK

Quant Time: Oct 11 08:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	70494	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	392369	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	343585	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	189263	31.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.43%
60) 4-Bromofluorobenzene	12.40	95	163408	27.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.63%
63) Toluene-d8	10.09	98	483839	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

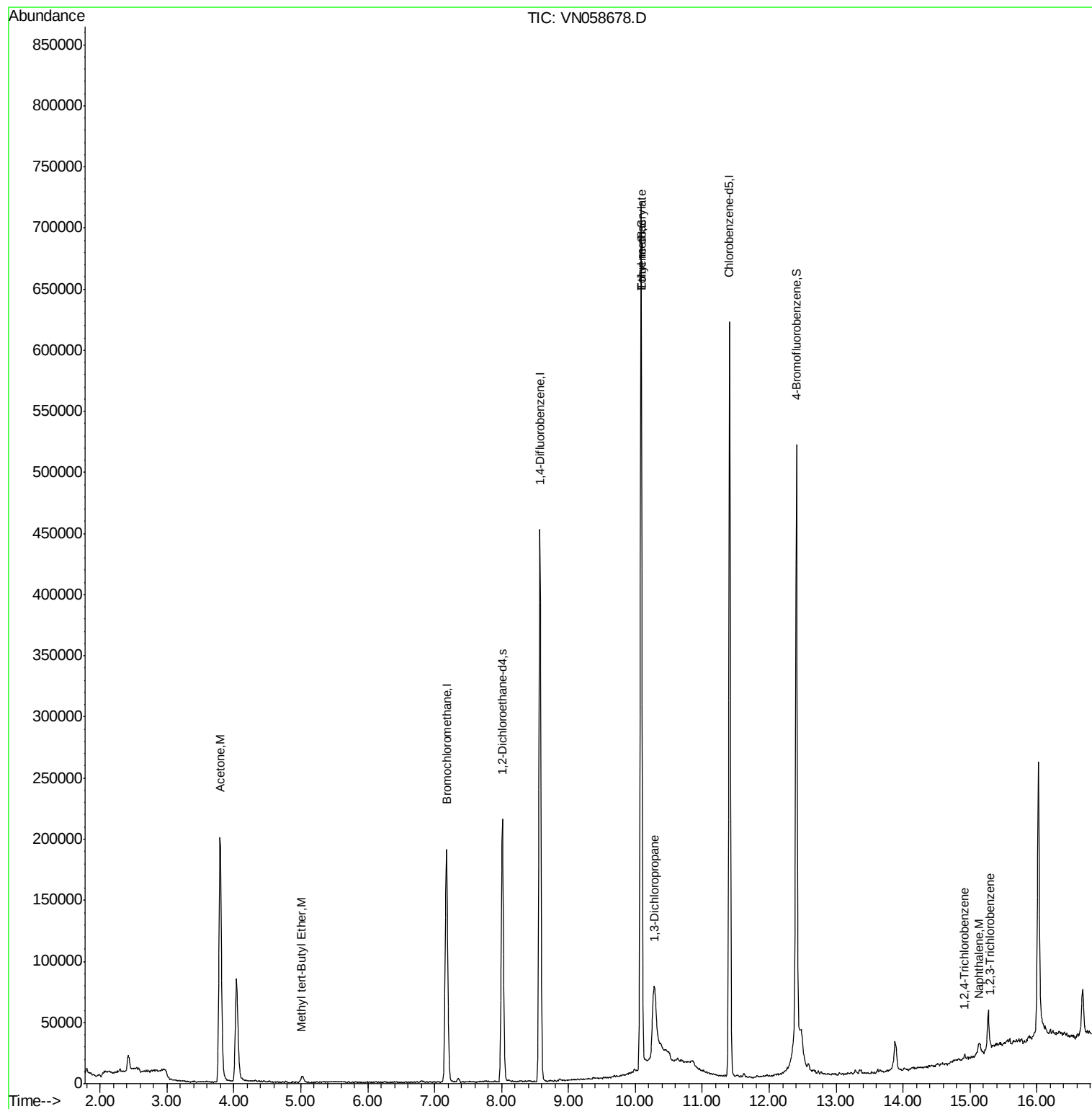
					Qvalue	
15) Acetone	3.80	58	96463	139.759	ug/l	95
24) Methyl tert-Butyl Ether	5.01	73	4220	0.307	ug/l #	69
51) Ethyl methacrylate	10.09	69	1545	0.216	ug/l #	71
52) 1,3-Dichloropropane	10.28	76	1950	0.245	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.92	180	1126	0.205	ug/l #	78
91) Naphthalene	15.13	128	3657	0.226	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.30	180	1142	0.214	ug/l	62

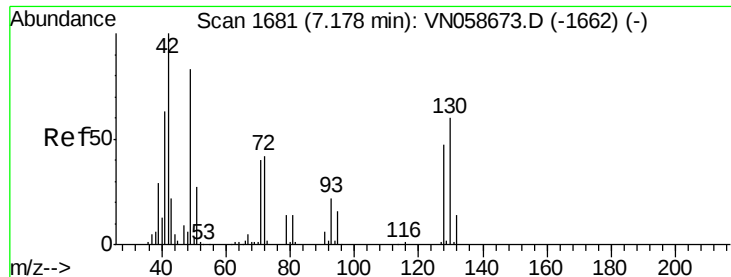
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058678.D

Acq: 10 Oct 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

391009765-TRIP-BLANK

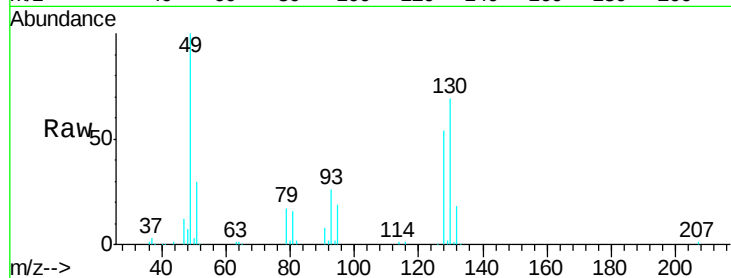
Tgt Ion:128 Resp: 70494

Ion Ratio Lower Upper

128 100

49 182.9 0.0 453.5

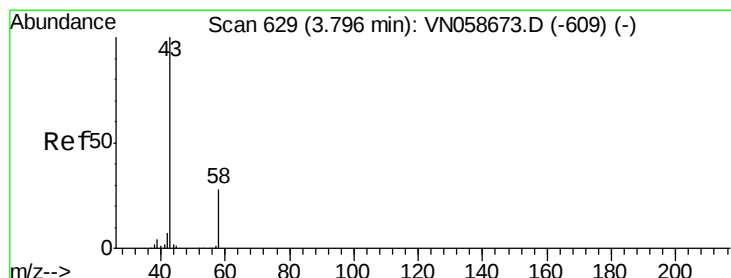
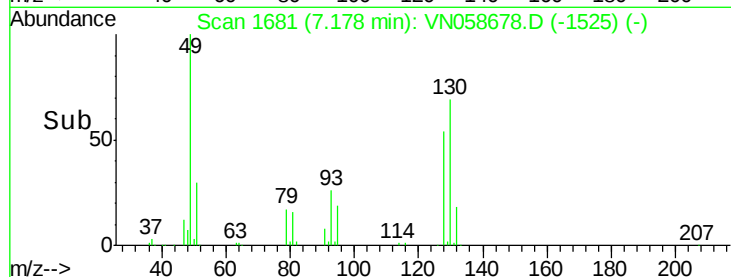
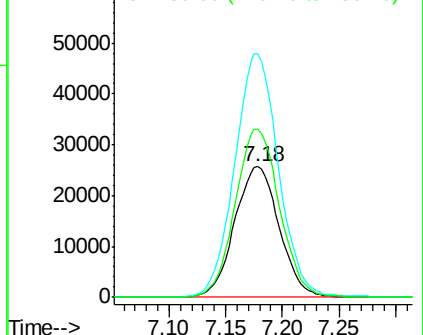
130 127.8 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 139.759 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058678.D

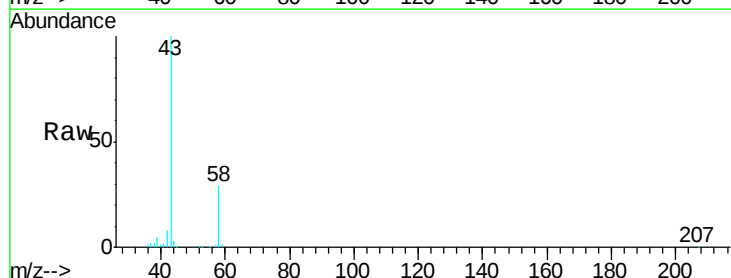
Acq: 10 Oct 2019 20:46

Tgt Ion: 58 Resp: 96463

Ion Ratio Lower Upper

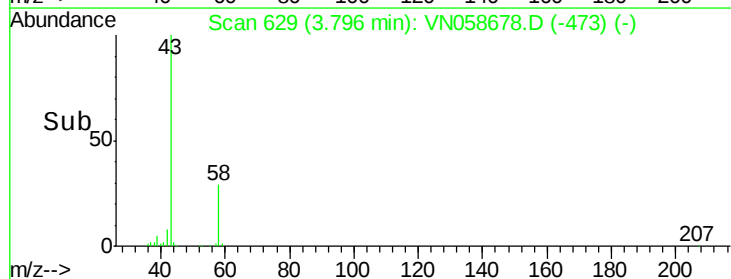
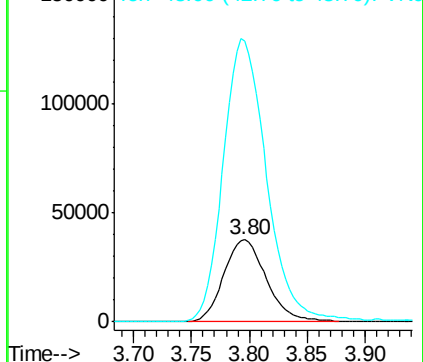
58 100

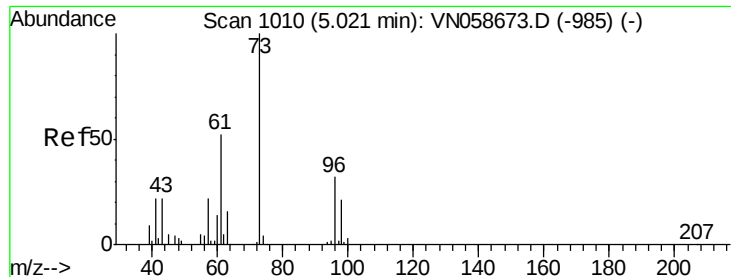
43 341.2 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VNO

Ion 43.00 (42.70 to 43.70): VNO





#24

Methyl tert-Butyl Ether

Concen: 0.307 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN058678.D

Acq: 10 Oct 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

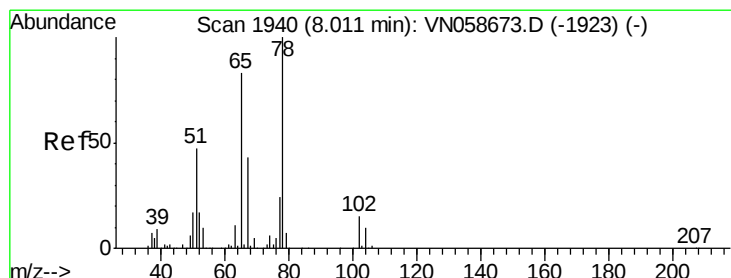
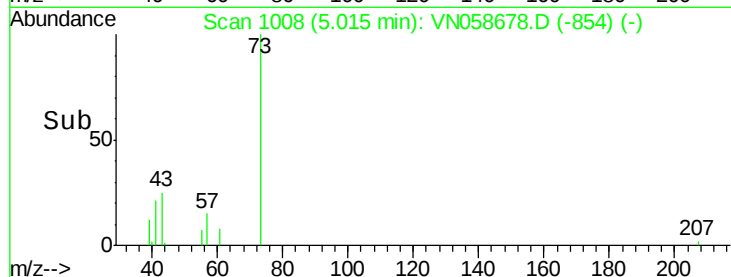
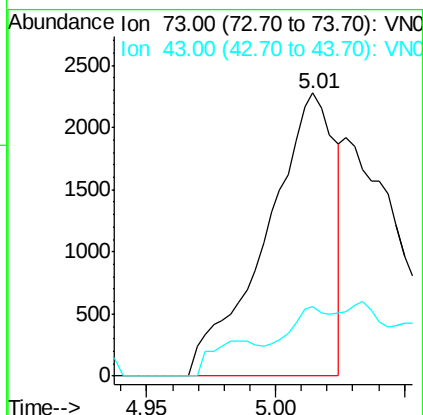
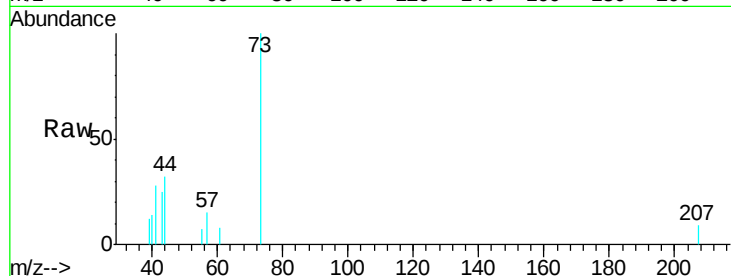
391009765-TRIP-BLANK

Tgt Ion: 73 Resp: 4220

Ion Ratio Lower Upper

73 100

43 7.7 17.9 26.9#



#27

1,2-Dichloroethane-d4

Concen: 31.633 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058678.D

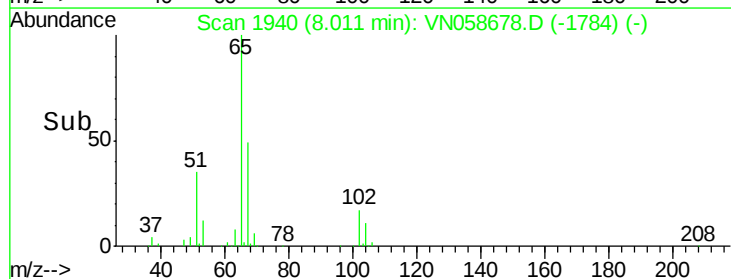
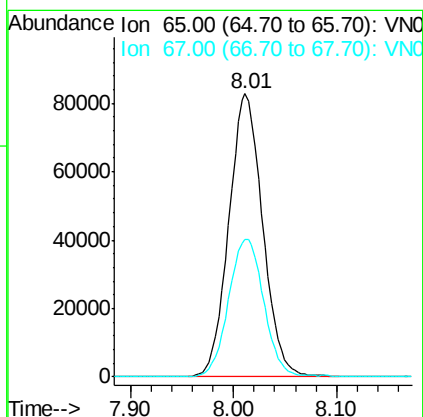
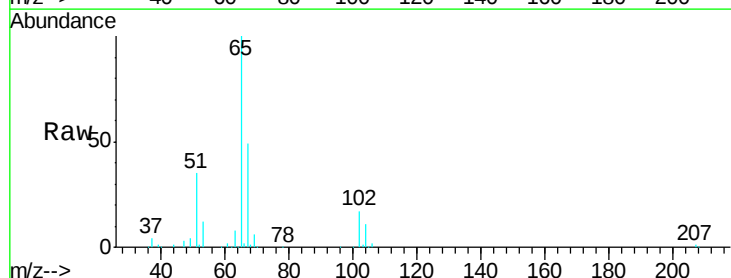
Acq: 10 Oct 2019 20:46

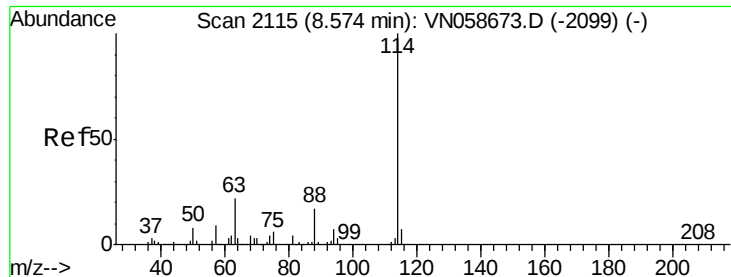
Tgt Ion: 65 Resp: 189263

Ion Ratio Lower Upper

65 100

67 50.4 41.5 62.3

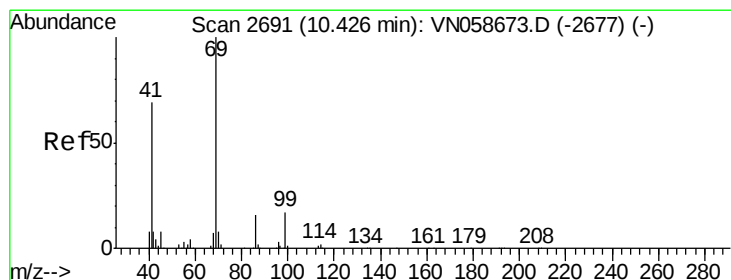
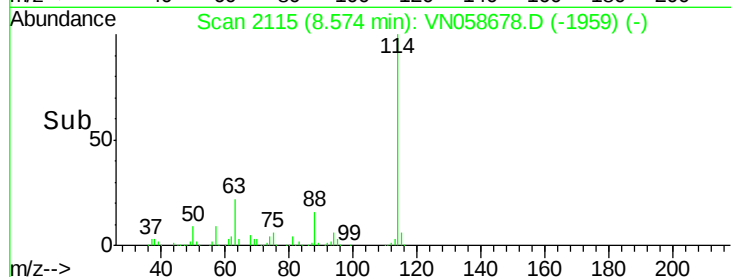
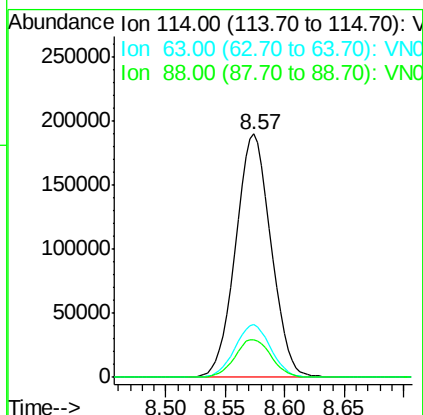
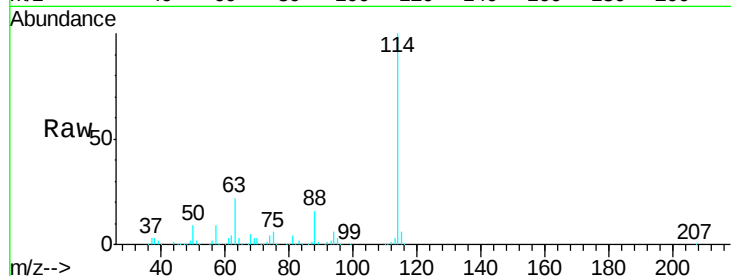




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058678.D
Acq: 10 Oct 2019 20:46

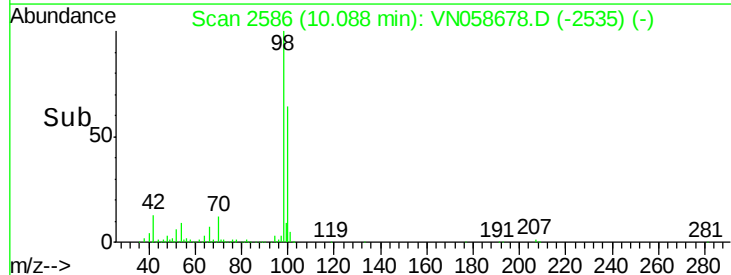
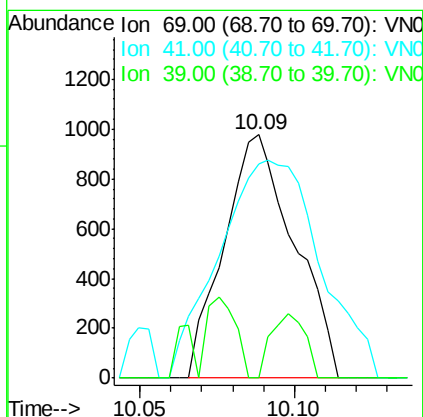
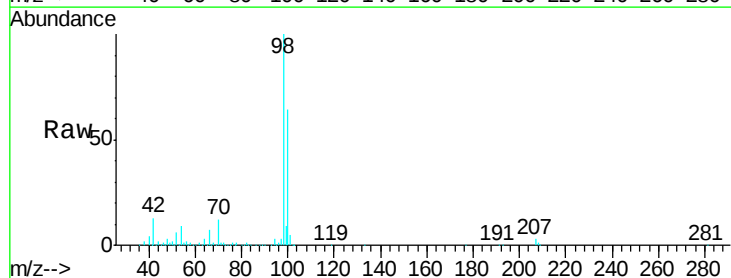
Instrument :
MSVOA_N
ClientSampleId :
391009765-TRIP-BLANK

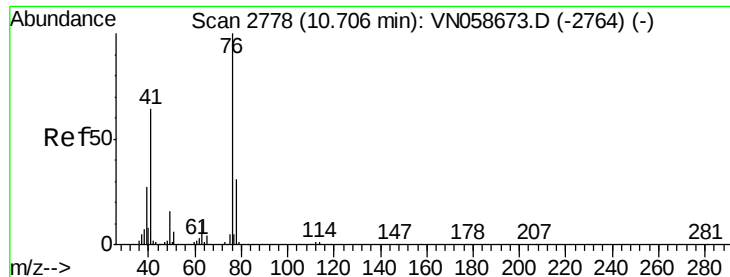
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	18.1	27.1
88	15.8	13.0	19.4



#51
Ethyl methacrylate
Concen: 0.216 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.34 min
Lab File: VN058678.D
Acq: 10 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	34.7	104.1
39	0.0	20.3	60.8#





#52

1,3-Dichloropropane

Concen: 0.245 ug/l

RT: 10.28 min Scan# 2645

Delta R.T. -0.43 min

Lab File: VN058678.D

Acq: 10 Oct 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

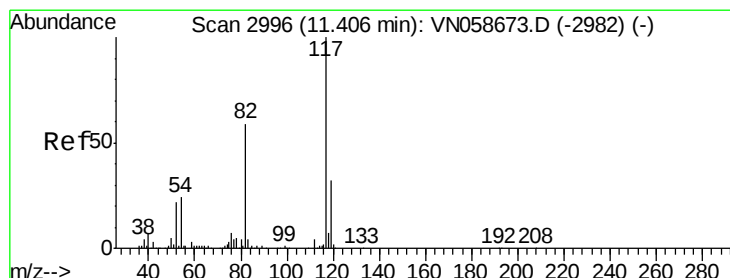
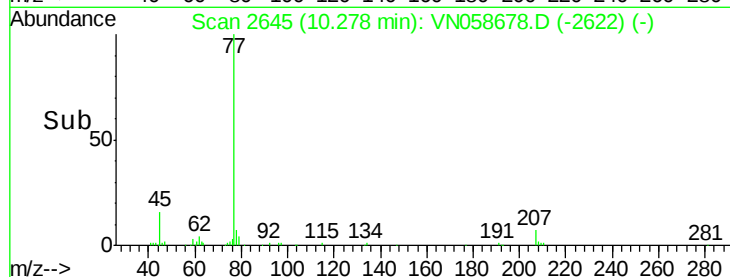
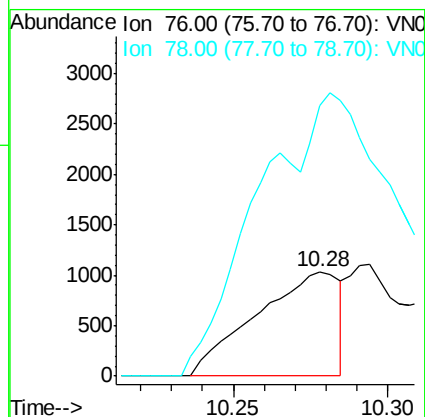
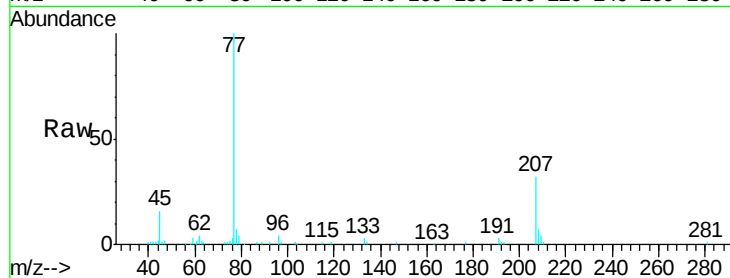
391009765-TRIP-BLANK

Tgt Ion: 76 Resp: 1950

Ion Ratio Lower Upper

76 100

78 286.0 0.0 63.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058678.D

Acq: 10 Oct 2019 20:46

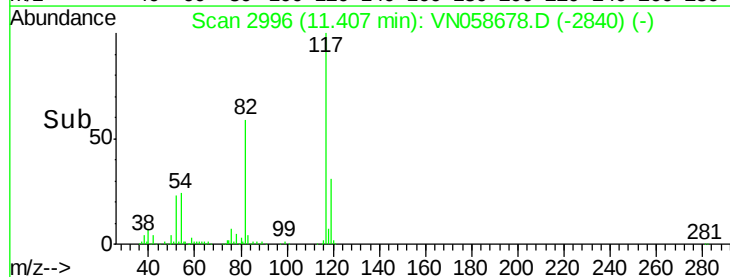
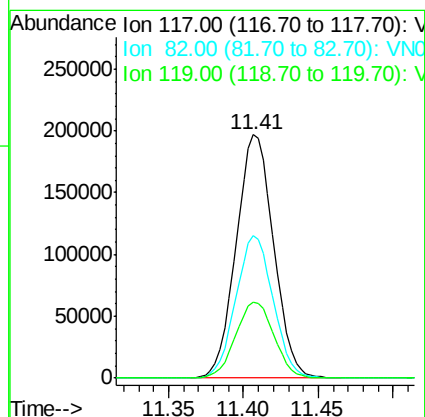
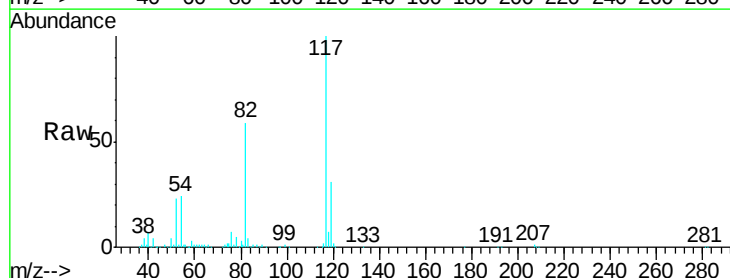
Tgt Ion: 117 Resp: 343585

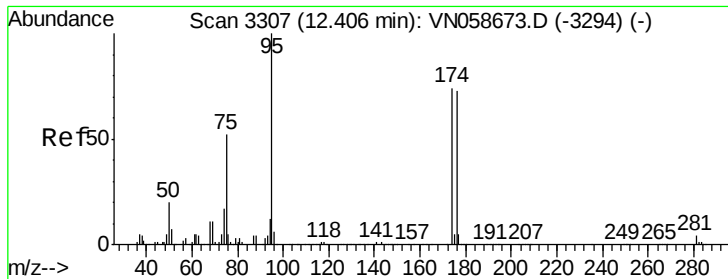
Ion Ratio Lower Upper

117 100

82 58.3 46.9 70.3

119 32.1 25.8 38.6





#60

4-Bromofluorobenzene

Concen: 27.188 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058678.D

Acq: 10 Oct 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

391009765-TRIP-BLANK

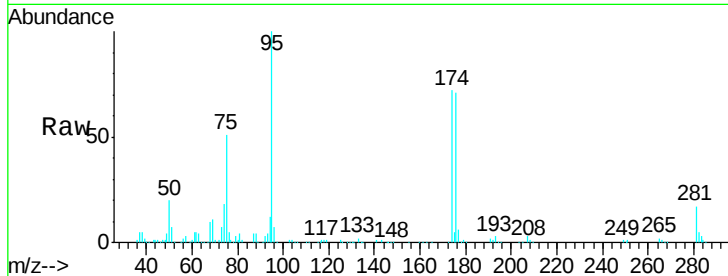
Tgt Ion: 95 Resp: 163408

Ion Ratio Lower Upper

95 100

174 75.3 59.9 89.9

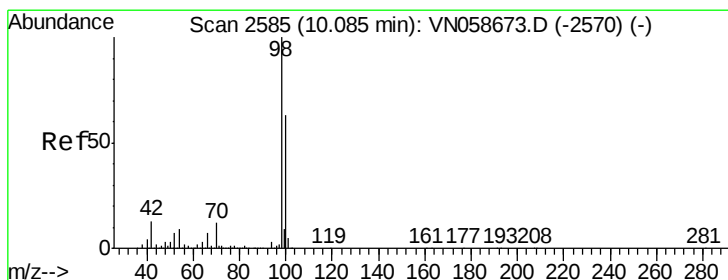
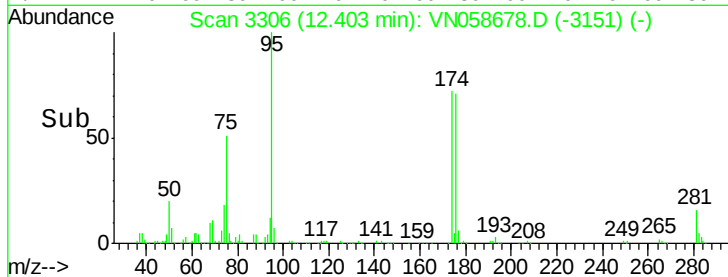
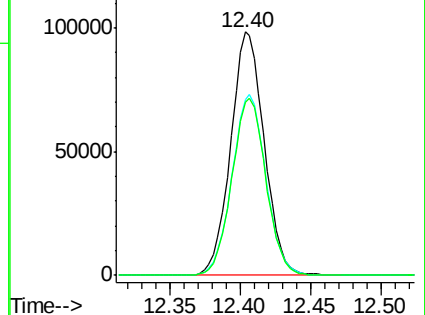
176 73.9 58.3 87.5



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN0

Ion 176.00 (175.70 to 176.70): VN0



#63

Toluene-d8

Concen: 29.825 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058678.D

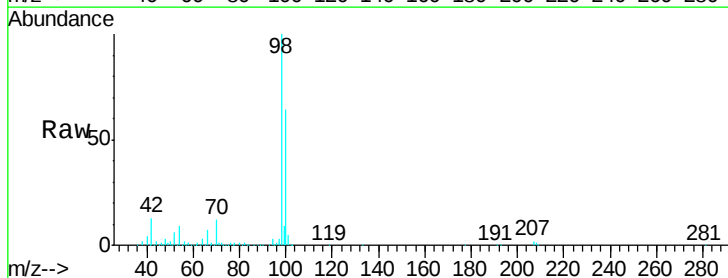
Acq: 10 Oct 2019 20:46

Tgt Ion: 98 Resp: 483839

Ion Ratio Lower Upper

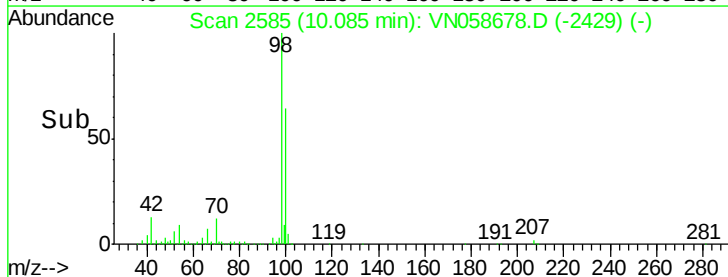
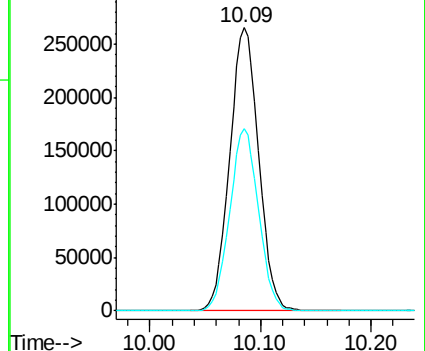
98 100

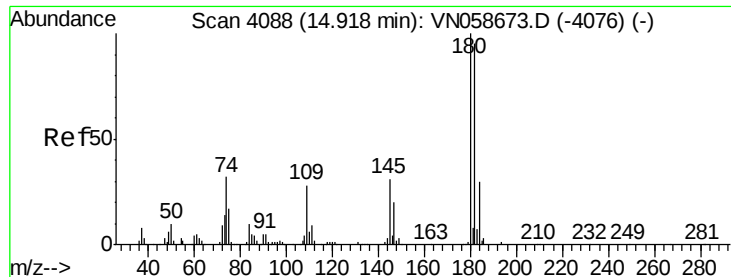
100 63.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#89

1,2,4-Trichlorobenzene

Concen: 0.205 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058678.D

Acq: 10 Oct 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

391009765-TRIP-BLANK

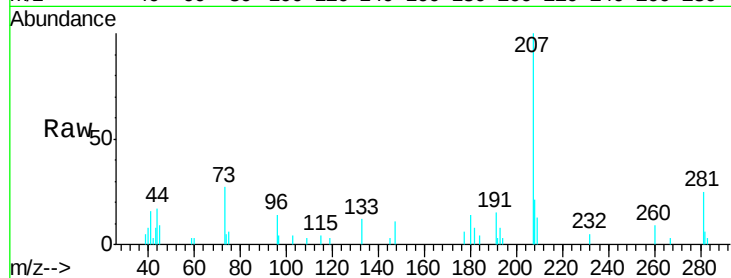
Tgt Ion:180 Resp: 1126

Ion Ratio Lower Upper

180 100

182 75.7 75.3 112.9

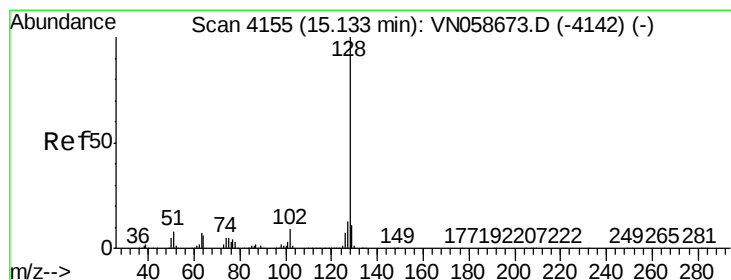
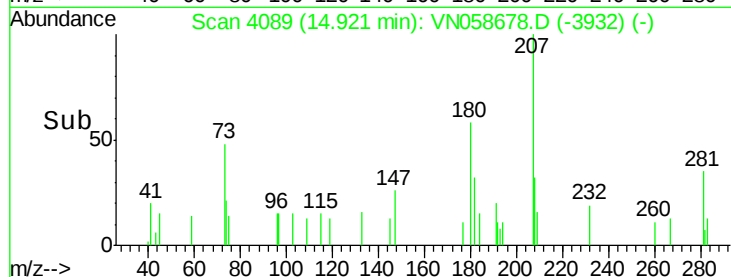
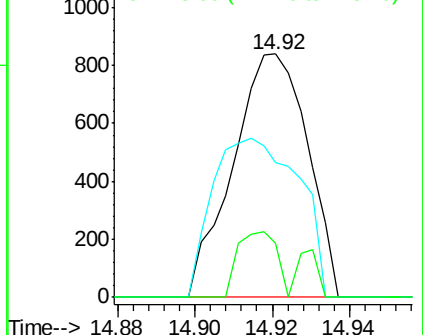
145 13.9 24.8 37.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#91

Naphthalene

Concen: 0.226 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058678.D

Acq: 10 Oct 2019 20:46

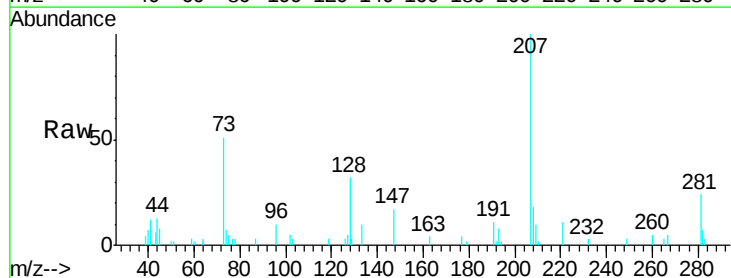
Tgt Ion:128 Resp: 3657

Ion Ratio Lower Upper

128 100

127 14.3 10.2 15.2

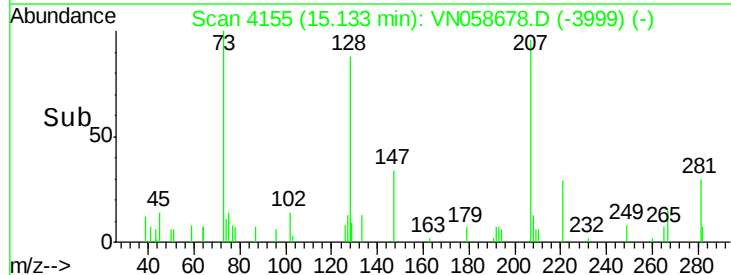
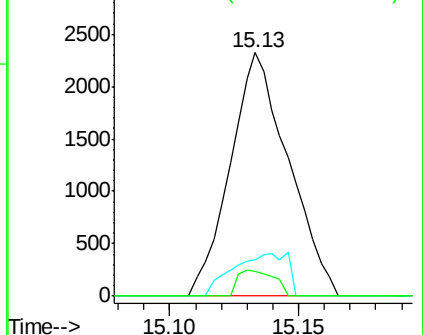
129 6.6 8.6 13.0#

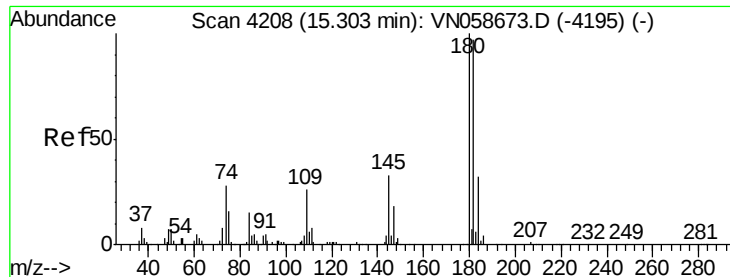


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

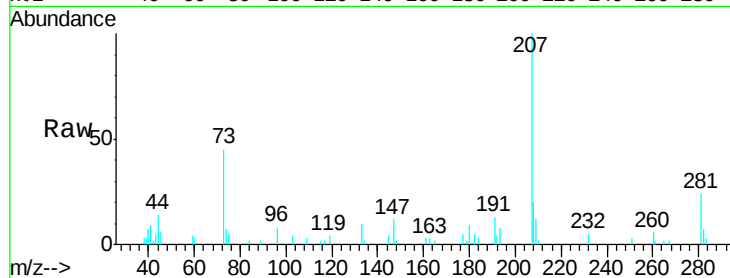




#92
 1,2,3-Trichlorobenzene
 Concen: 0.214 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058678.D
 Acq: 10 Oct 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 391009765-TRIP-BLANK

Tgt Ion:	180	Resp:	1142
Ion Ratio	Lower	Upper	
180	100		
182	51.3	0.0	193.4
145	26.1	0.0	65.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

