

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059110.D
 Acq On : 7 Nov 2019 10:38
 Operator : JC/SP
 Sample : VN1107WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBL01

Quant Time: Nov 08 01:09:01 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	7.17	128	73149	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	407862	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	343415	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	177600	28.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.37%
60) 4-Bromofluorobenzene	12.40	95	144956	24.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.43%
63) Toluene-d8	10.08	98	493028	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

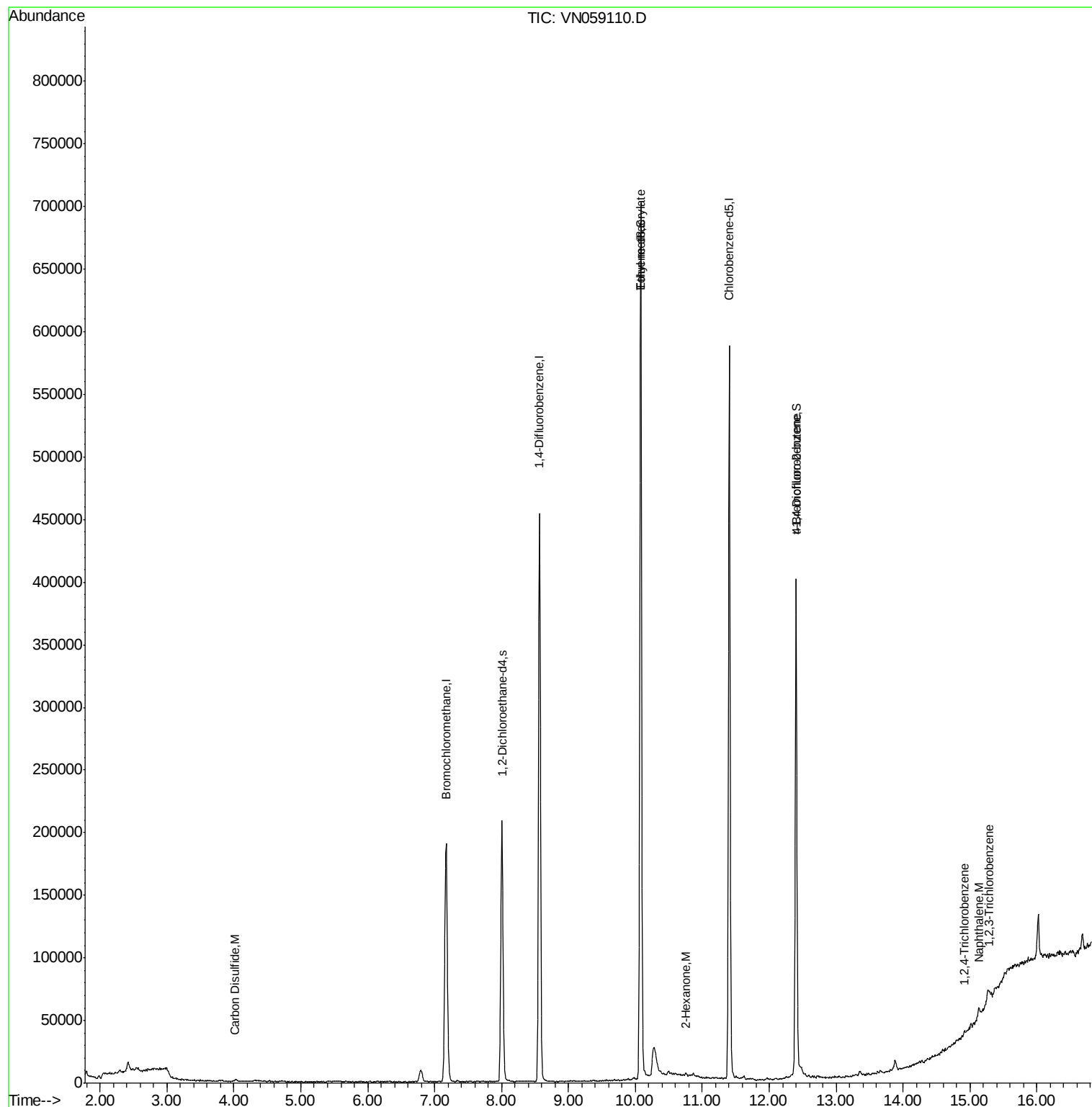
					Ovalue	
16) Carbon Disulfide	4.02	76	2723	0.244	ug/l #	75
51) Ethyl methacrylate	10.08	69	1697	0.228	ug/l	80
59) 2-Hexanone	10.76	43	1097	0.223	ug/l #	90
77) t-1,4-Dichloro-2-butene	12.40	75	71817	30.898	ug/l #	10
89) 1,2,4-Trichlorobenzene	14.92	180	1234	0.225	ug/l #	25
91) Naphthalene	15.13	128	4673	0.289	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.30	180	2008	0.376	ug/l	84

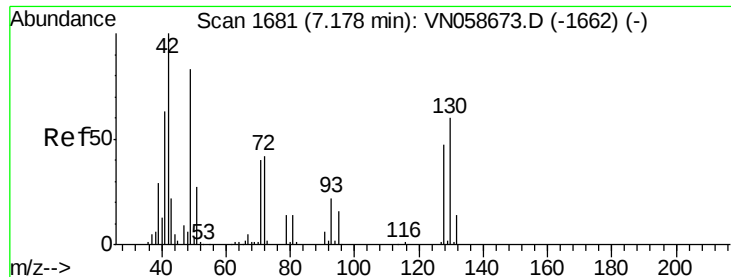
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 08 01:09:01 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBL01

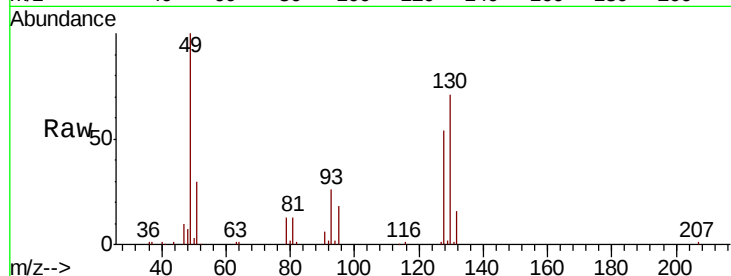
Tot Ion:128 Resp: 73149

Ion Ratio Lower Upper

128 100

49 182.2 0.0 453.5

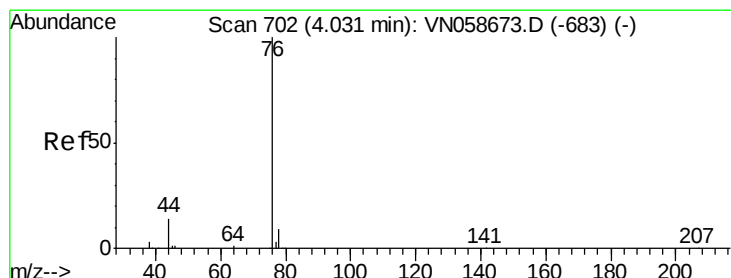
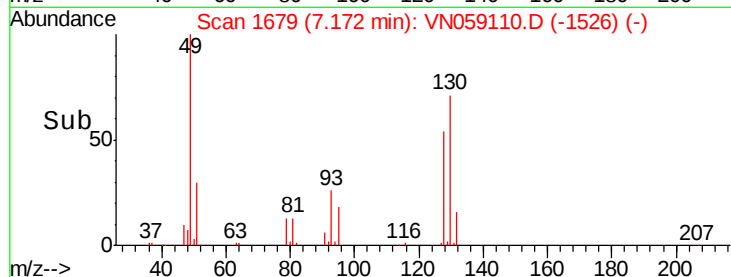
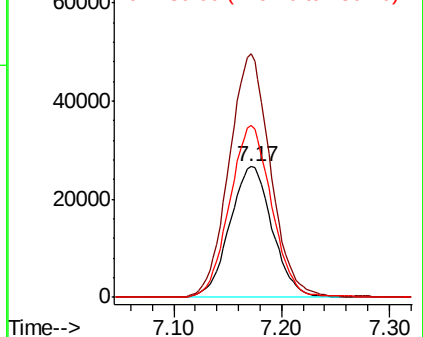
130 129.5 0.0 314.2



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: 0.244 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN059110.D

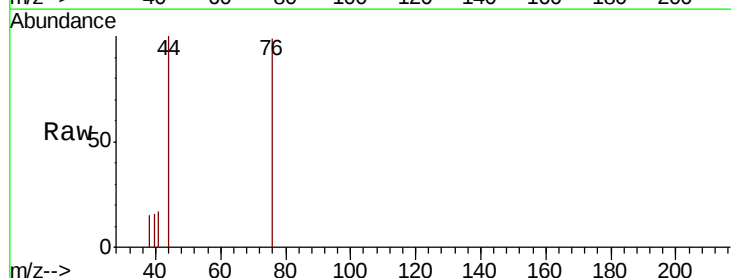
Acq: 7 Nov 2019 10:38

Tgt Ion: 76 Resp: 2723

Ion Ratio Lower Upper

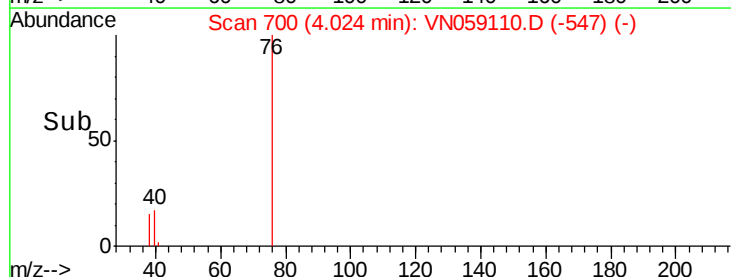
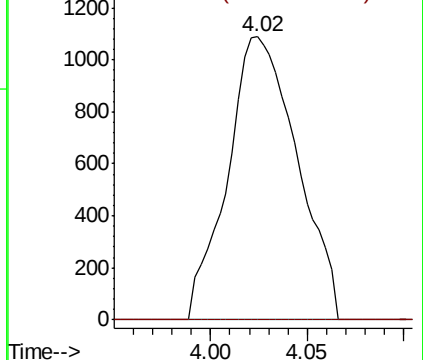
76 100

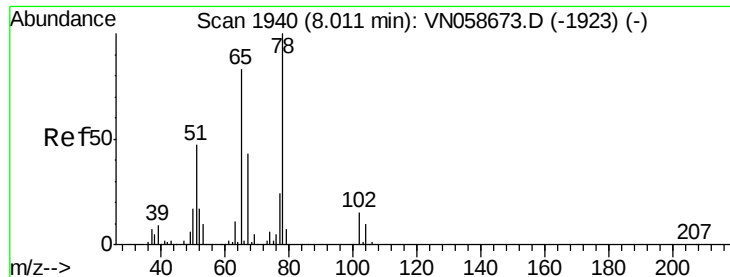
78 0.0 7.4 11.0#



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: 28.606 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.01 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

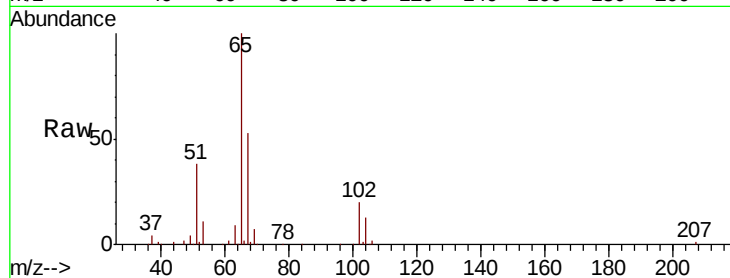
VN1107WBL01

Tot Ion: 65 Resp: 177600

Ion Ratio Lower Upper

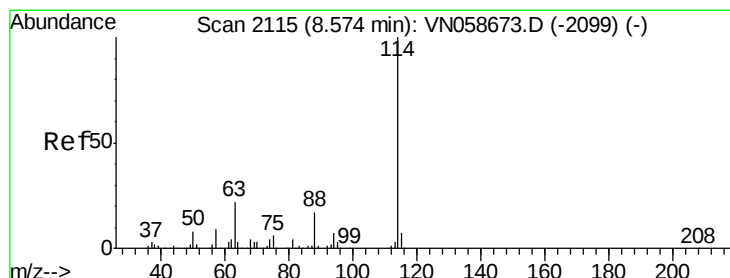
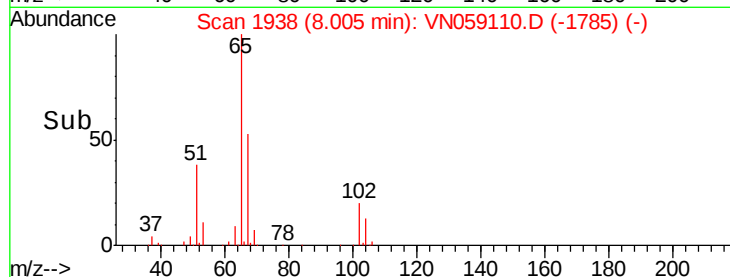
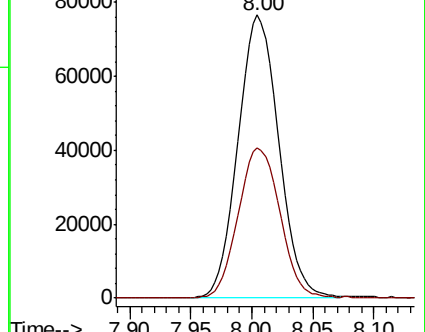
65 100

67 54.4 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN058673.D (-1923) (-)

Ion 67.00 (66.70 to 67.70): VN058673.D (-1923) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.01 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

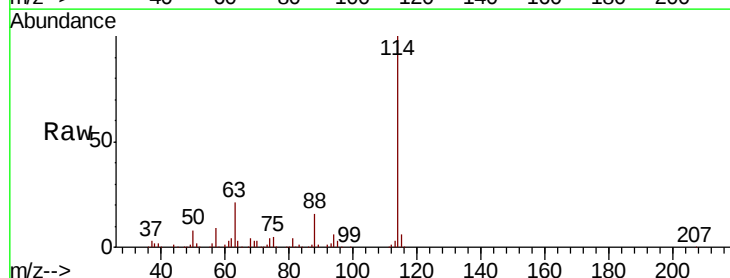
Tgt Ion: 114 Resp: 407862

Ion Ratio Lower Upper

114 100

63 21.4 18.1 27.1

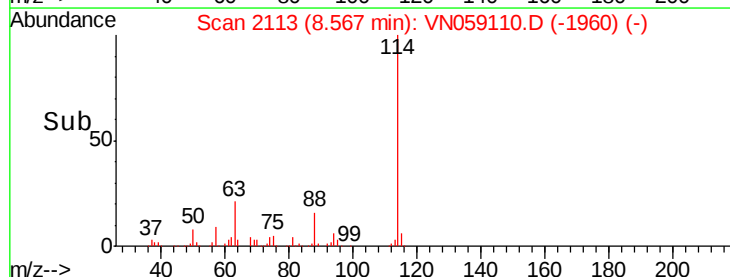
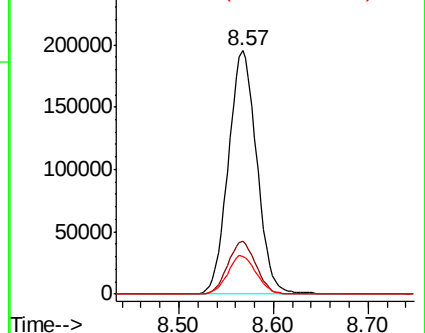
88 16.0 13.0 19.4

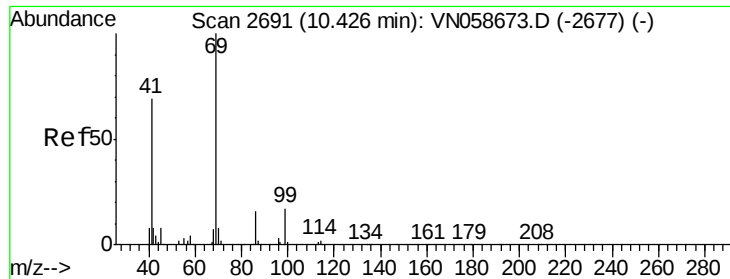


Abundance Ion 114.00 (113.70 to 114.70): VN058673.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058673.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058673.D (-2099) (-)





#51

Ethyl methacrylate

Concen: 0.228 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.34 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

VN1107WBL01

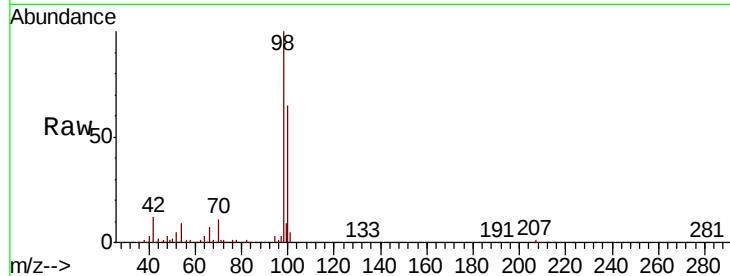
Tot Ion: 69 Resp: 1697

Ion Ratio Lower Upper

69 100

41 87.8 34.7 104.1

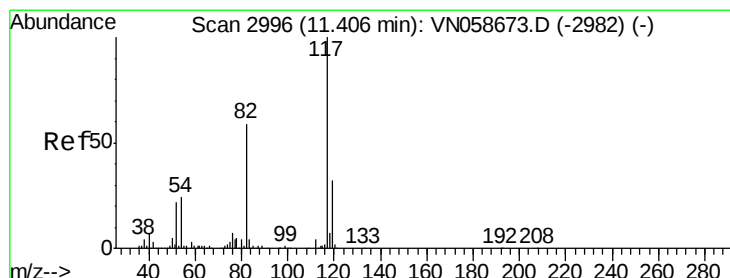
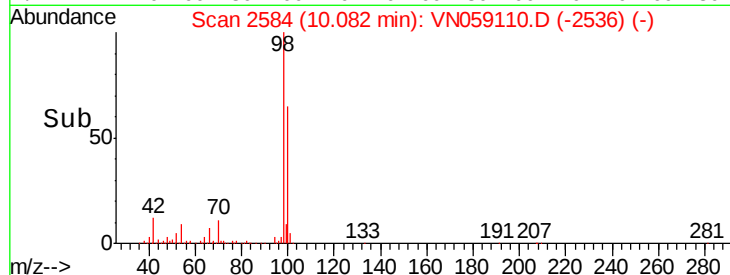
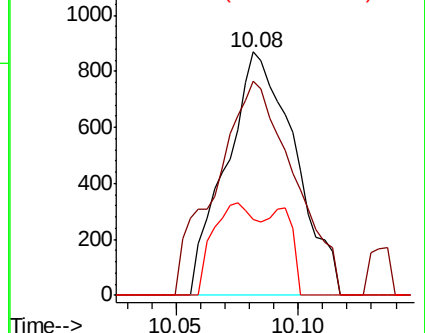
39 31.3 20.3 60.8



Abundance Ion 69.00 (68.70 to 69.70): VN058673.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN058673.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN058673.D (-2677) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

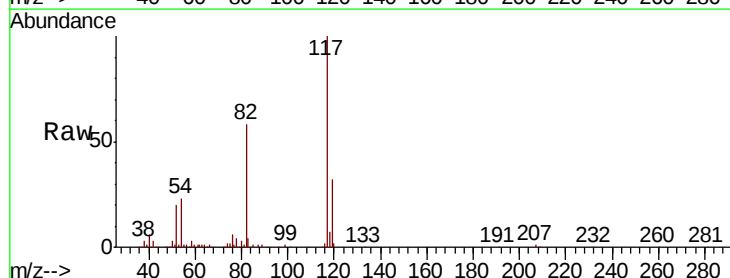
Tgt Ion: 117 Resp: 343415

Ion Ratio Lower Upper

117 100

82 58.2 46.9 70.3

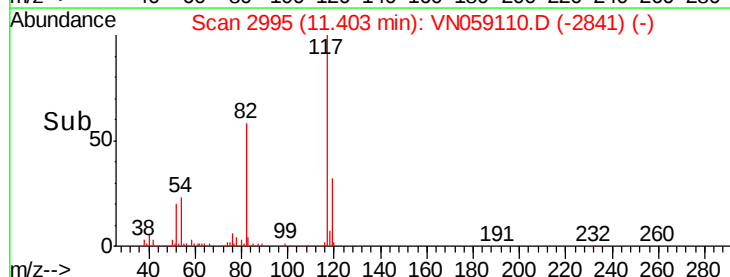
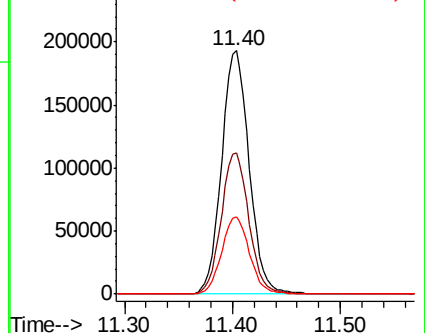
119 32.1 25.8 38.6

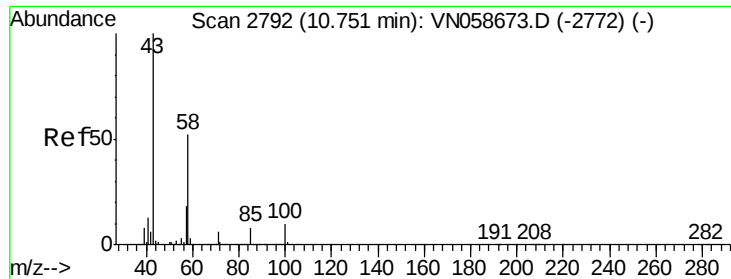


Abundance Ion 117.00 (116.70 to 117.70): VN058673.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN058673.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN058673.D (-2982) (-)

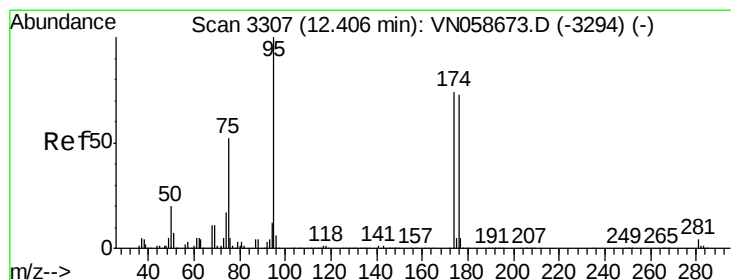
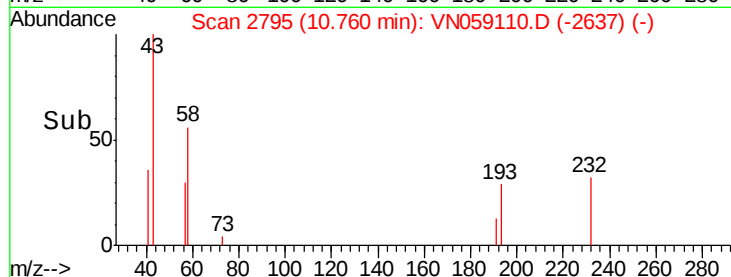
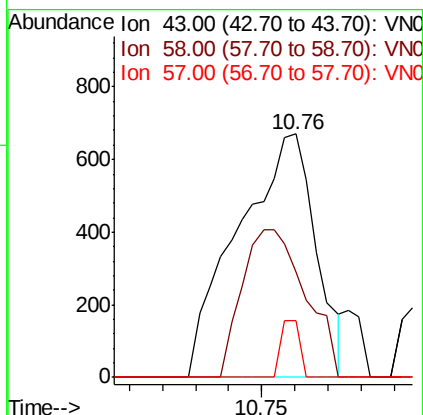
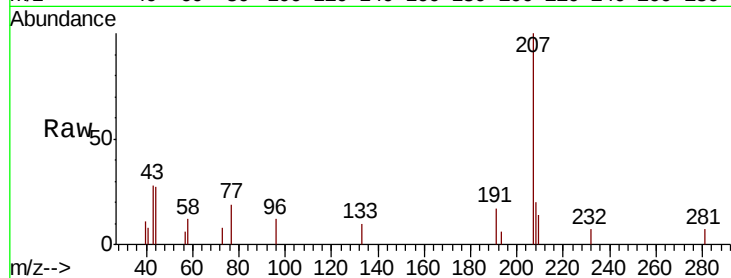




#59
2-Hexanone
Concen: 0.223 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN059110.D
Acq: 7 Nov 2019 10:38

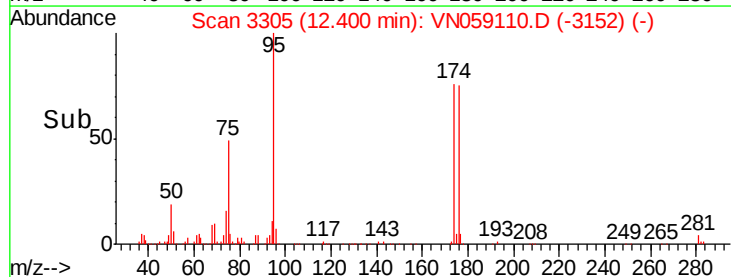
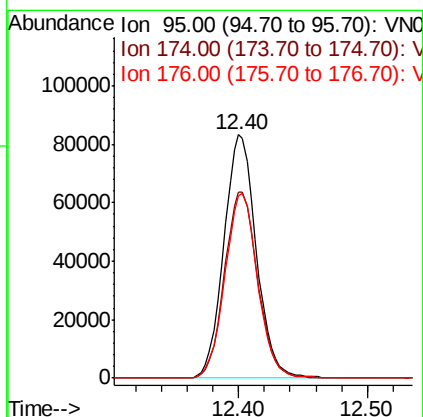
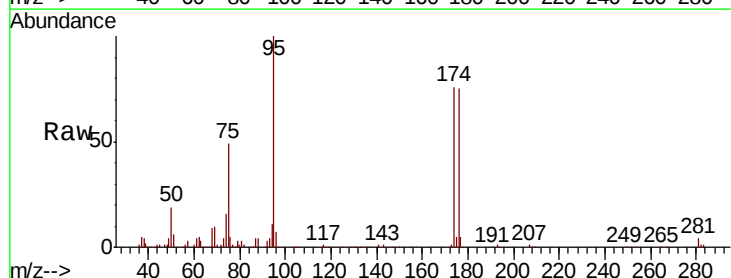
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBL01

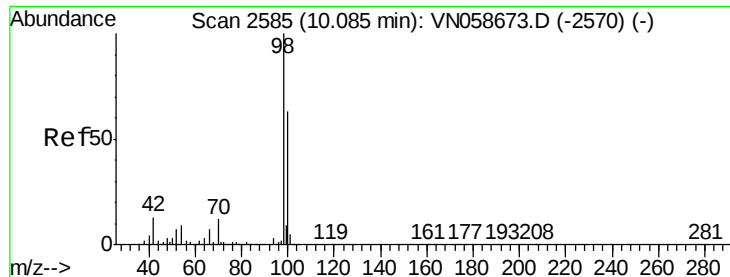
Tot Ion: 43 Resp: 1097
Ion Ratio Lower Upper
43 100
58 49.3 41.4 62.0
57 5.5 14.7 22.1#



#60
4-Bromofluorobenzene
Concen: 24.130 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059110.D
Acq: 7 Nov 2019 10:38

Tgt Ion: 95 Resp: 144956
Ion Ratio Lower Upper
95 100
174 78.2 59.9 89.9
176 76.5 58.3 87.5





#63

Toluene-d8

Concen: 30.406 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.01 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

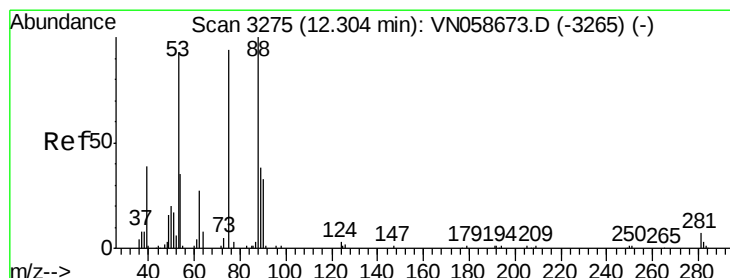
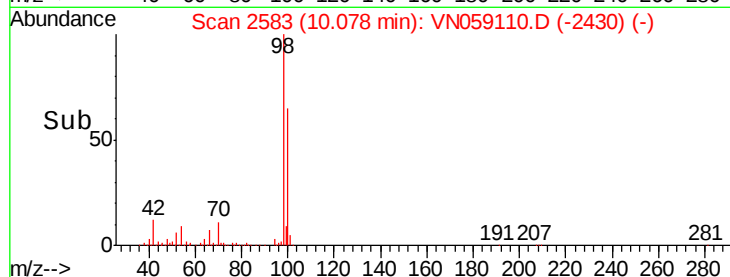
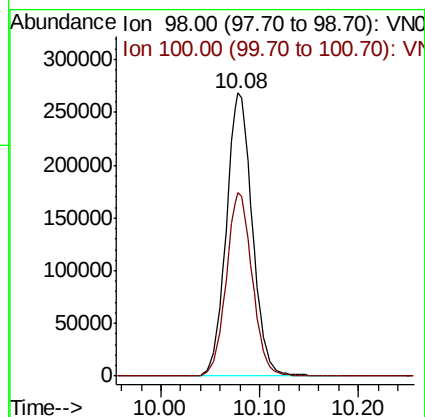
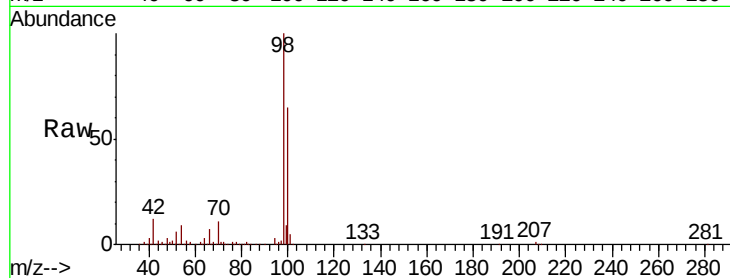
VN1107WBL01

Tot Ion: 98 Resp: 493028

Ion Ratio Lower Upper

98 100

100 64.5 50.6 75.8



#77

t-1,4-Dichloro-2-butene

Concen: 30.898 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

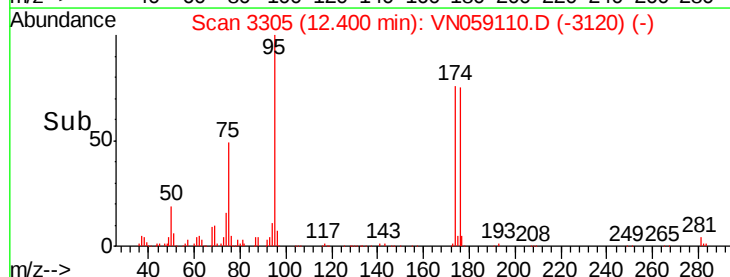
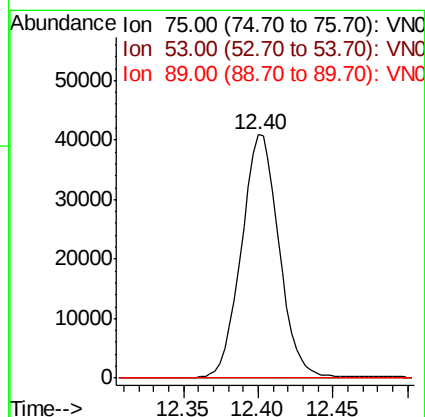
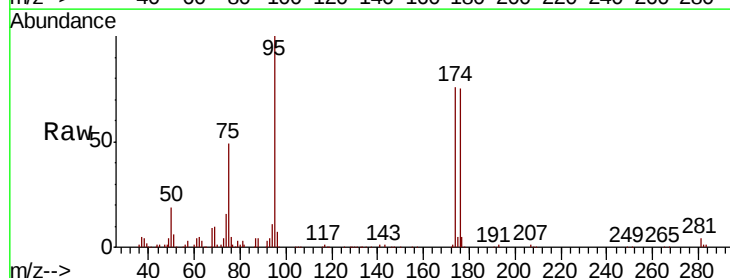
Tgt Ion: 75 Resp: 71817

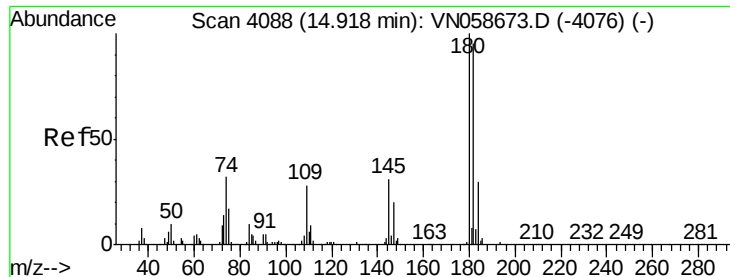
Ion Ratio Lower Upper

75 100

53 0.0 50.0 150.0#

89 0.0 20.7 62.1#

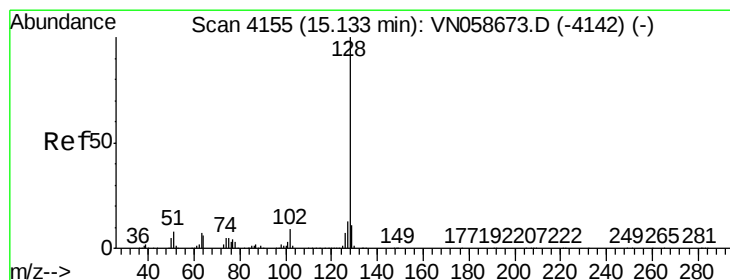
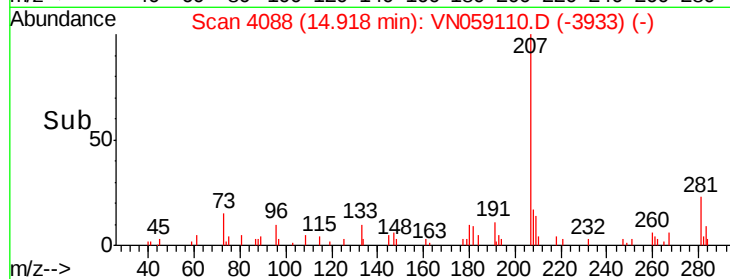
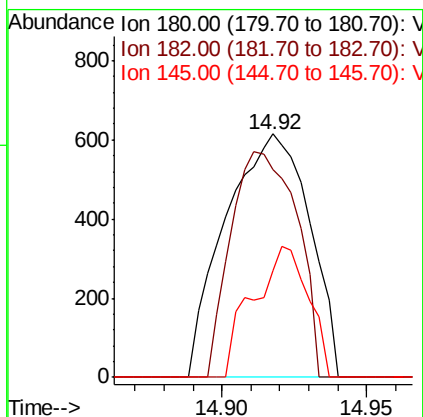
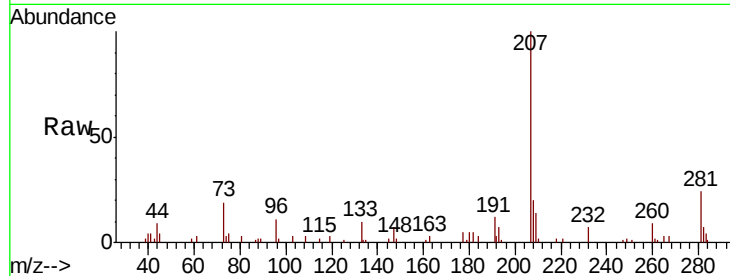




#89
 1,2,4-Trichlorobenzene
 Concen: 0.225 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN059110.D
 Acq: 7 Nov 2019 10:38

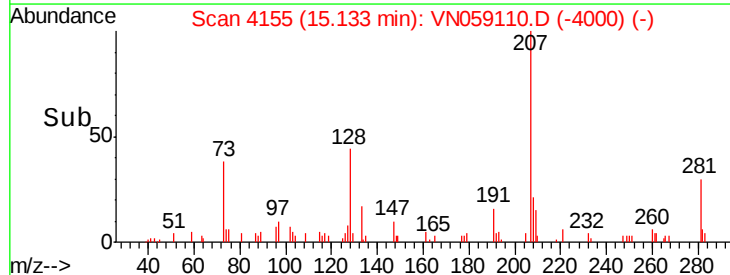
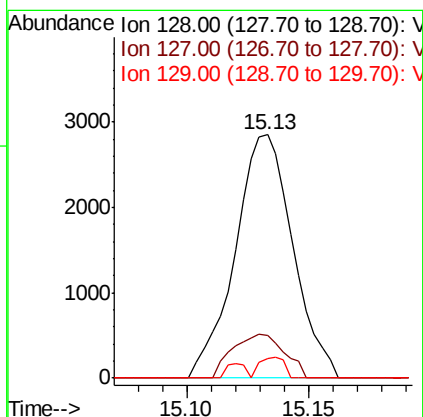
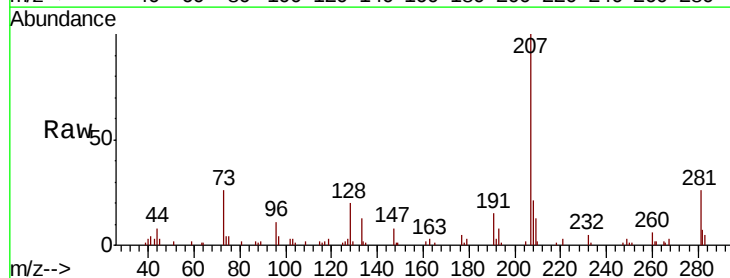
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBL01

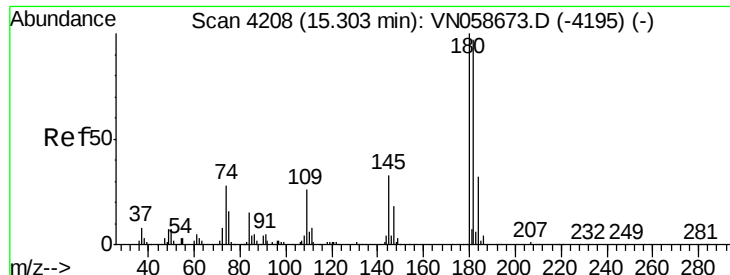
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	75.3	112.9#
145	26.8	24.8	37.2



#91
 Naphthalene
 Concen: 0.289 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN059110.D
 Acq: 7 Nov 2019 10:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.2	10.2	15.2#
129	3.7	8.6	13.0#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.376 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.01 min
 Lab File: VN059110.D
 Acq: 7 Nov 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.3	0.0	193.4
145	11.8	0.0	65.8

