

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058559.D
 Acq On : 7 Oct 2019 11:58
 Operator : JC/SP
 Sample : VN1007WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 13:52:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	71663	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	413255	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	397158	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	193248	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	12.41	95	195741	28.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.93%
63) Toluene-d8	10.08	98	516950	27.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	90.90%

Target Compounds

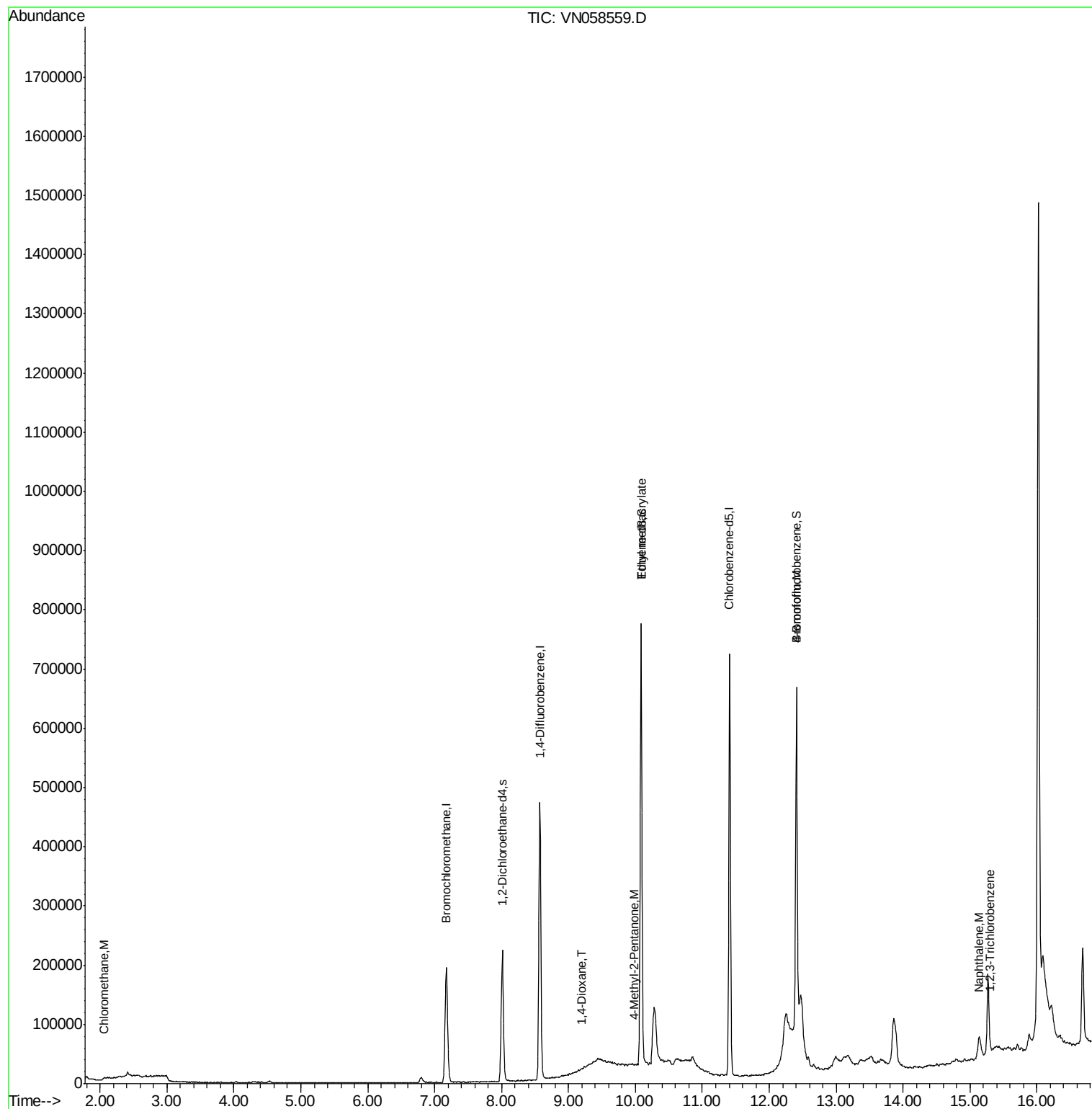
					Ovalue
3) Chloromethane	2.05	50	1057	0.212 ug/l	98
45) 1,4-Dioxane	9.19	88	62	0.675 ug/l #	4
51) Ethyl methacrylate	10.09	69	1607	0.221 ug/l #	79
56) Bromoform	12.40	173	722	0.247 ug/l #	1
58) 4-Methyl-2-Pentanone	9.98	43	1313	0.211 ug/l #	55
91) Naphthalene	15.14	128	5439	0.303 ug/l #	88
92) 1,2,3-Trichlorobenzene	15.30	180	1697	0.270 ug/l	84

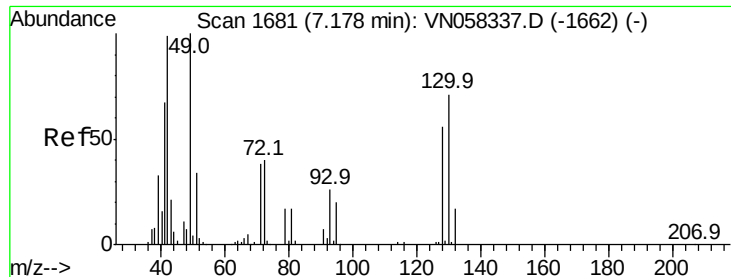
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100719\
Data File : VN058559.D
Acq On : 7 Oct 2019 11:58
Operator : JC/SP
Sample : VN1007WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 08 13:52:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058559.D

Acq: 7 Oct 2019 11:58

Instrument :
MSVOA_N
ClientSampled :

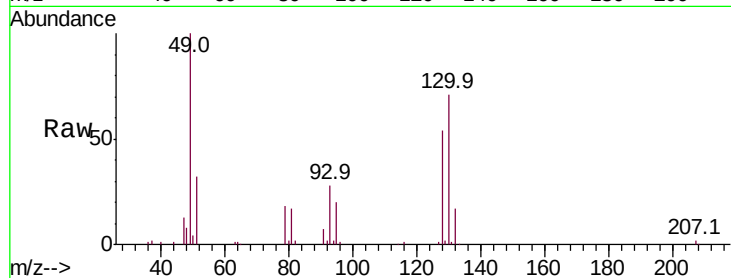
Tot Ion:128 Resp: 71663

Ion Ratio Lower Upper

128 100

49 183.0 0.0 458.5

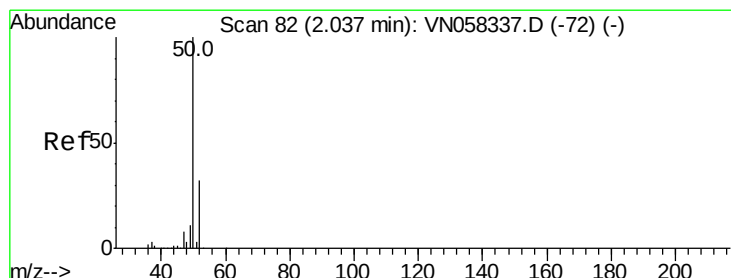
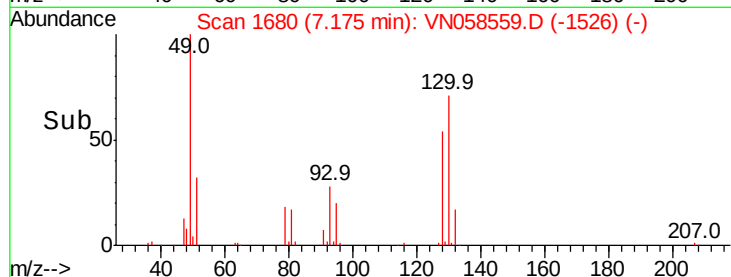
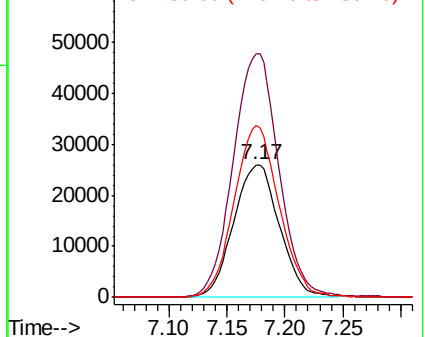
130 126.8 0.0 320.7



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



#3

Chloromethane

Concen: 0.212 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.01 min

Lab File: VN058559.D

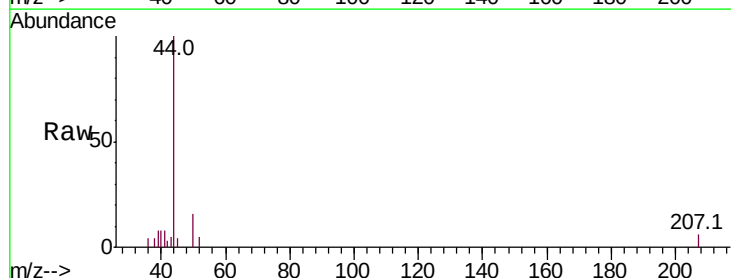
Acq: 7 Oct 2019 11:58

Tgt Ion: 50 Resp: 1057

Ion Ratio Lower Upper

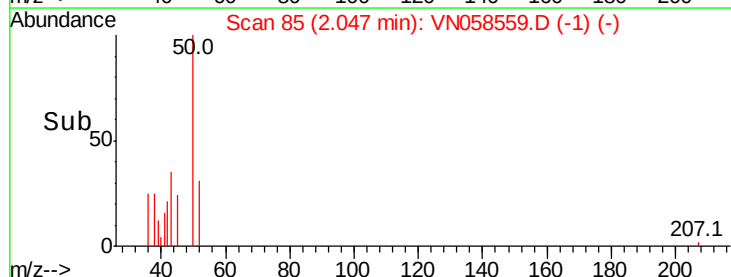
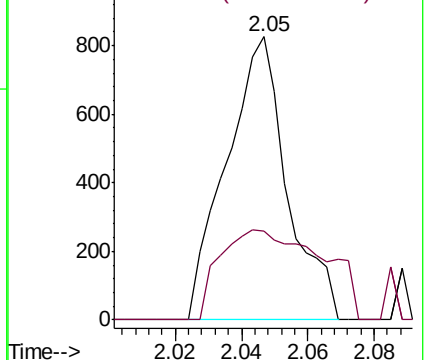
50 100

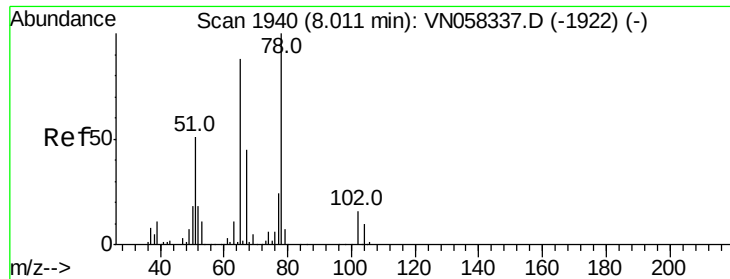
52 31.5 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.505 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058559.D

Acq: 7 Oct 2019 11:58

Instrument :

MSVOA_N

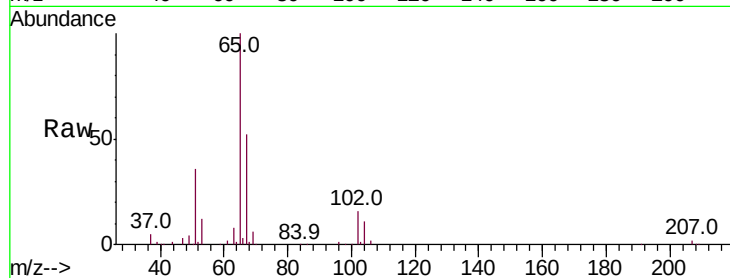
ClientSampleId :

Tot Ion: 65 Resp: 193248

Ion Ratio Lower Upper

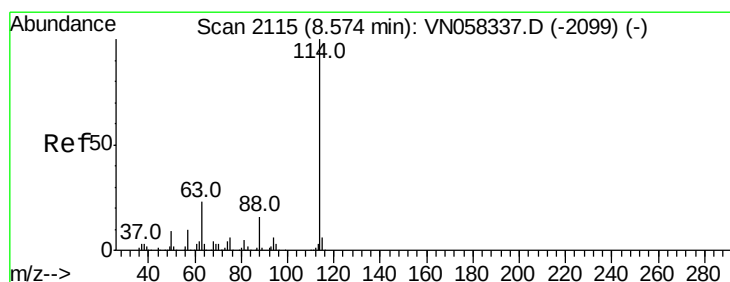
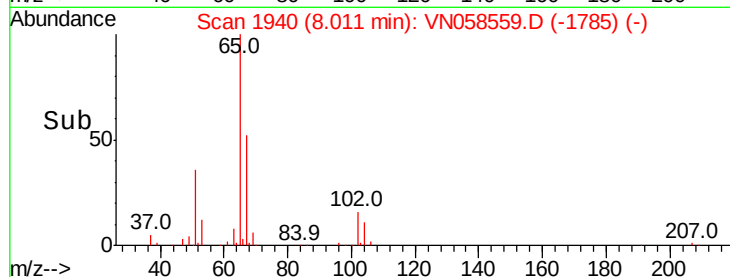
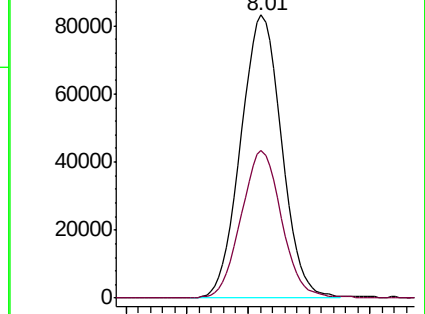
65 100

67 51.1 40.4 60.6



Abundance Ion 65.00 (64.70 to 65.70): VN058337.D (-1922) (-)

Ion 67.00 (66.70 to 67.70): VN058337.D (-1922) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058559.D

Acq: 7 Oct 2019 11:58

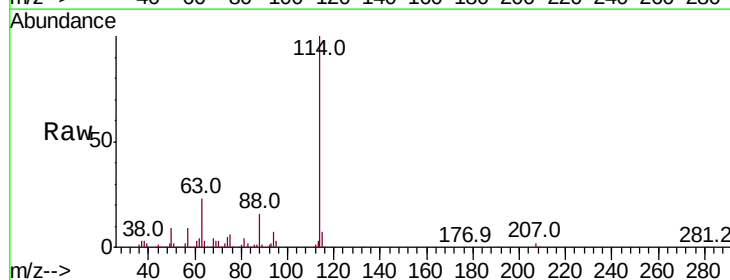
Tgt Ion: 114 Resp: 413255

Ion Ratio Lower Upper

114 100

63 22.4 17.8 26.8

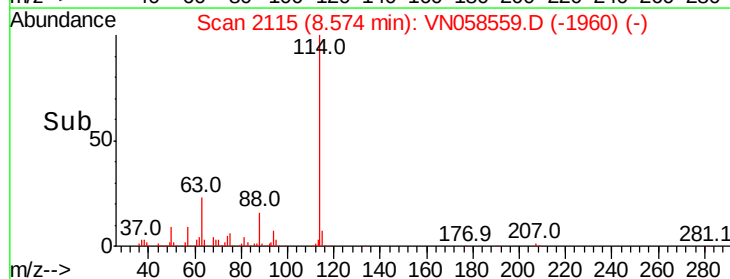
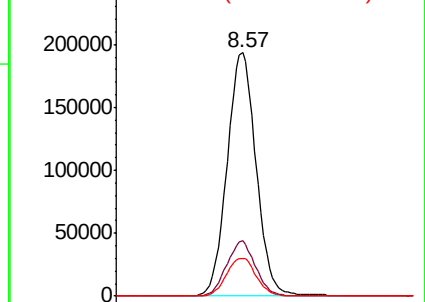
88 16.0 12.7 19.1

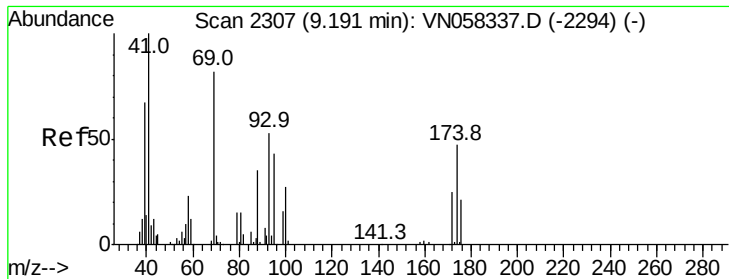


Abundance Ion 114.00 (113.70 to 114.70): VN058337.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058337.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058337.D (-2099) (-)

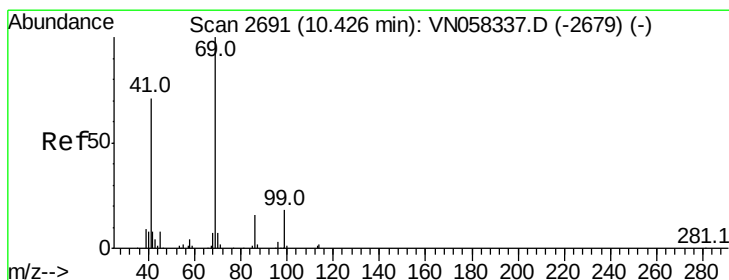
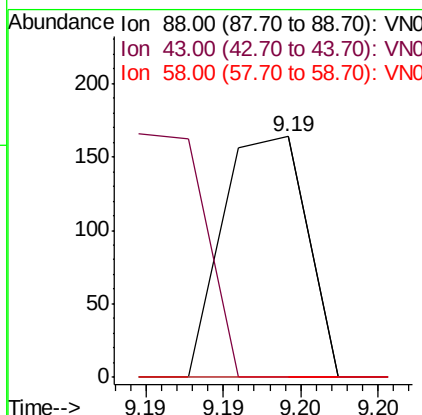
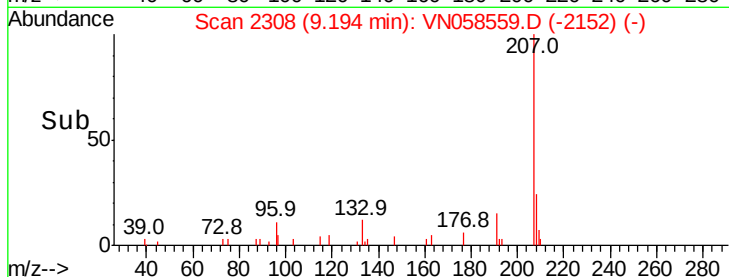
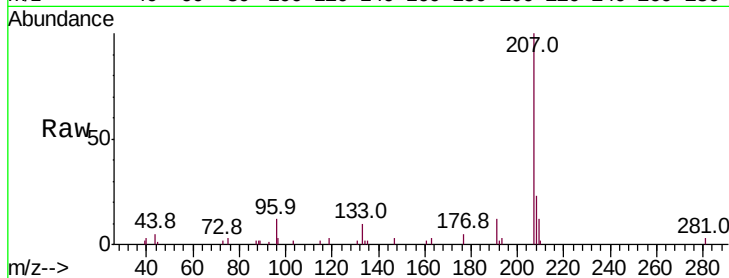




#45
 1,4-Dioxane
 Concen: 0.675 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058559.D
 Acq: 7 Oct 2019 11:58

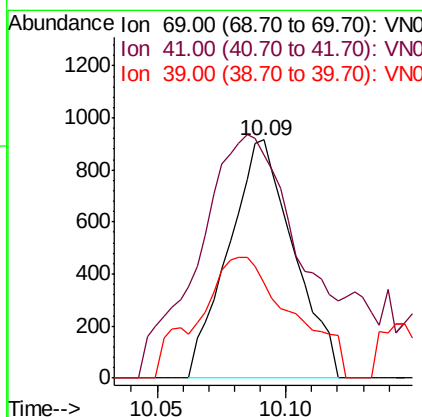
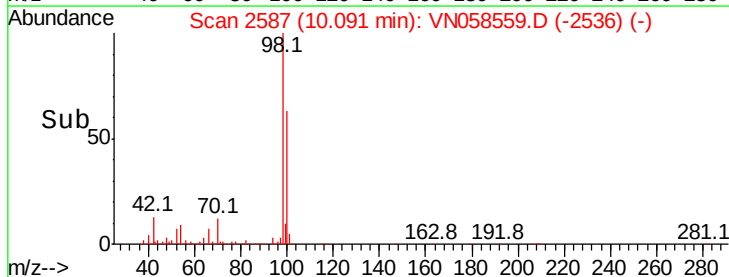
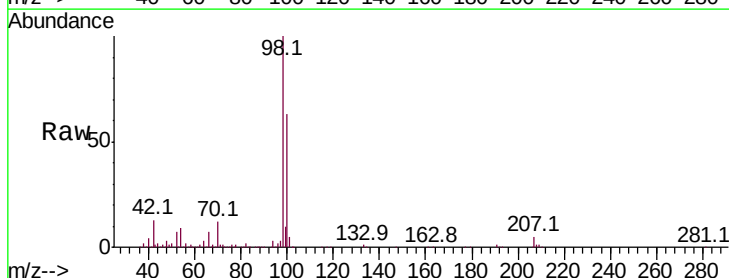
Instrument :
 MSVOA_N
 ClientSampleId :

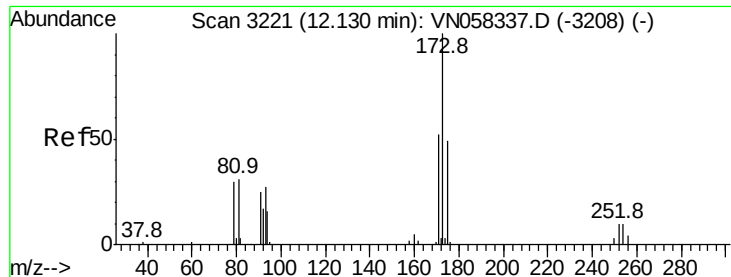
Tot Ion: 88 Resp: 62
 Ion Ratio Lower Upper
 88 100
 43 101.6 27.2 40.8#
 58 0.0 55.4 83.0#



#51
 Ethyl methacrylate
 Concen: 0.221 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.33 min
 Lab File: VN058559.D
 Acq: 7 Oct 2019 11:58

Tgt Ion: 69 Resp: 1607
 Ion Ratio Lower Upper
 69 100
 41 61.6 35.4 106.1
 39 22.5 23.5 70.5#

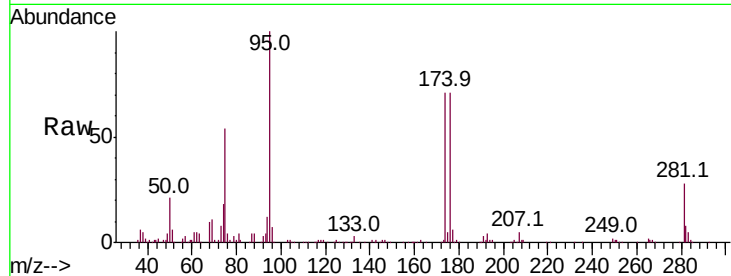




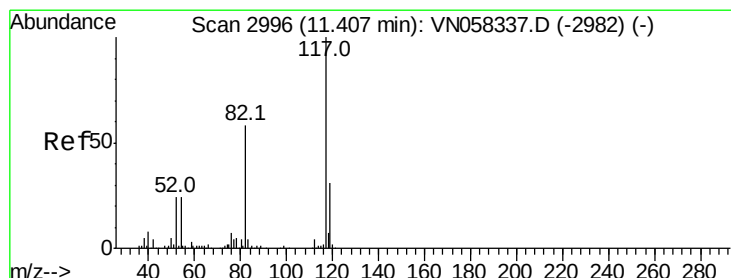
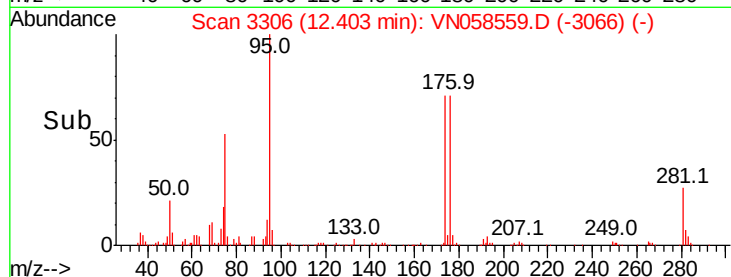
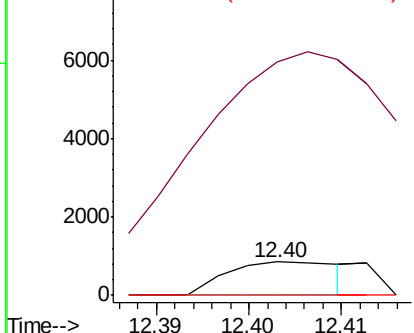
#56
Bromoform
Concen: 0.247 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058559.D
Acq: 7 Oct 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 722
Ion Ratio Lower Upper
173 100
175 1554.0 38.8 58.2#
254 0.0 7.8 11.8#

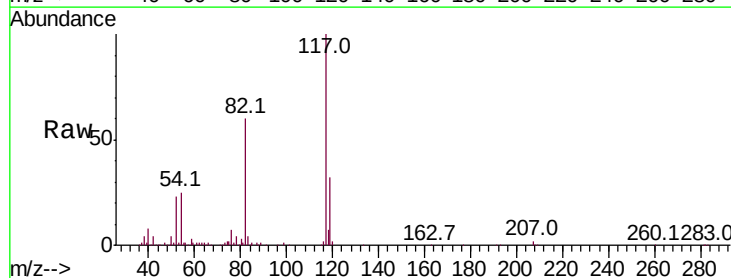


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

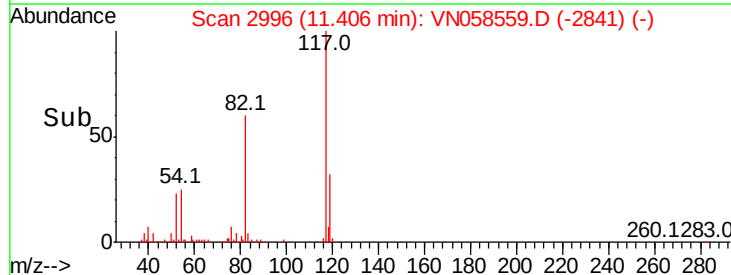
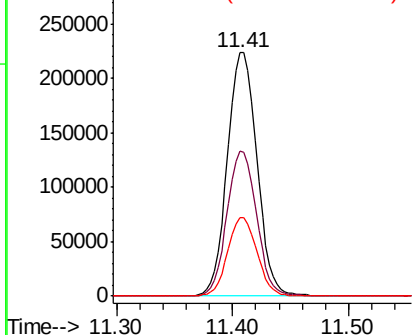


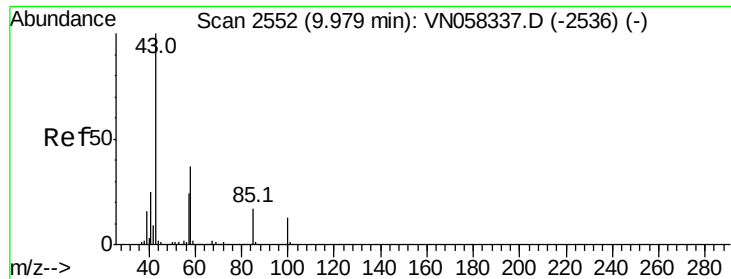
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058559.D
Acq: 7 Oct 2019 11:58

Tgt Ion:117 Resp: 397158
Ion Ratio Lower Upper
117 100
82 59.4 46.4 69.6
119 31.7 25.1 37.7



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

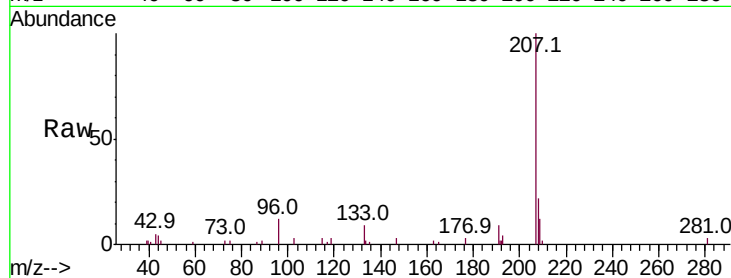




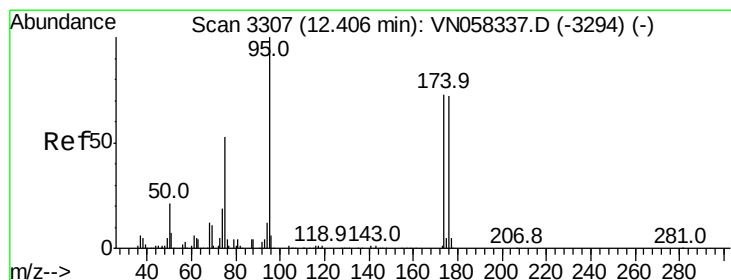
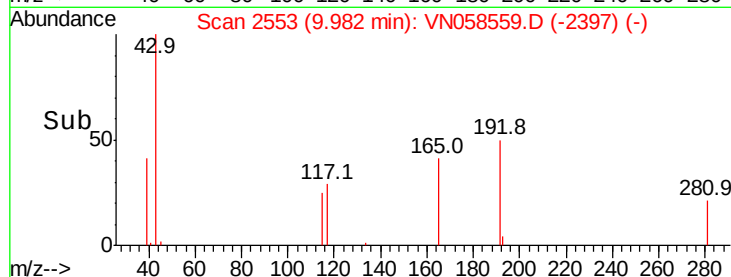
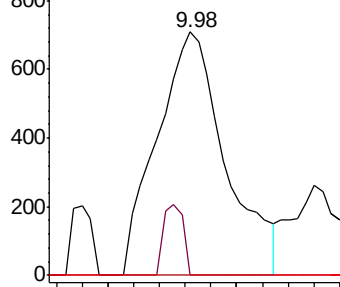
#58
 4-Methyl-2-Pentanone
 Concen: 0.211 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN058559.D
 Acq: 7 Oct 2019 11:58

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 1313
 Ion Ratio Lower Upper
 43 100
 58 8.5 29.3 43.9#
 85 0.0 13.1 19.7#

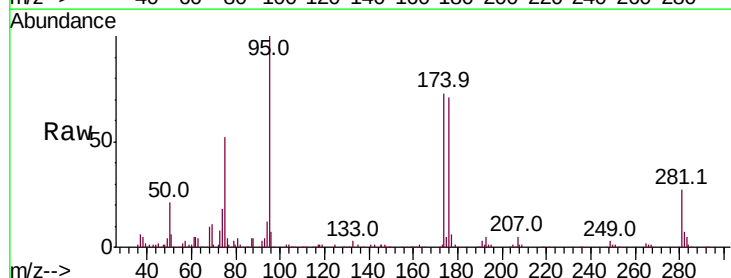


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

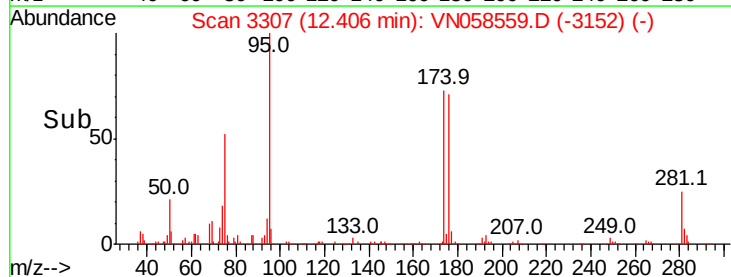
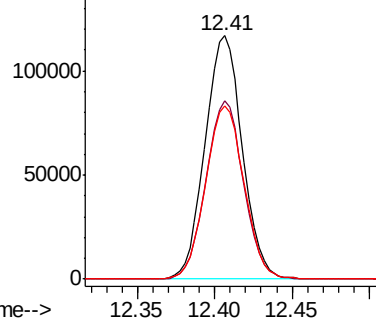


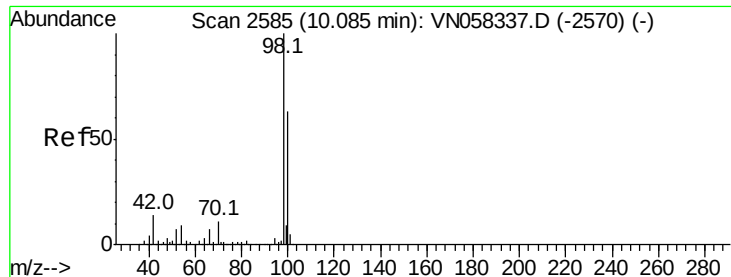
#60
 4-Bromofluorobenzene
 Concen: 28.484 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN058559.D
 Acq: 7 Oct 2019 11:58

Tgt Ion: 95 Resp: 195741
 Ion Ratio Lower Upper
 95 100
 174 73.9 59.0 88.6
 176 73.5 58.2 87.2



Abundance Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 27.274 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058559.D

Acq: 7 Oct 2019 11:58

Instrument :

MSVOA_N

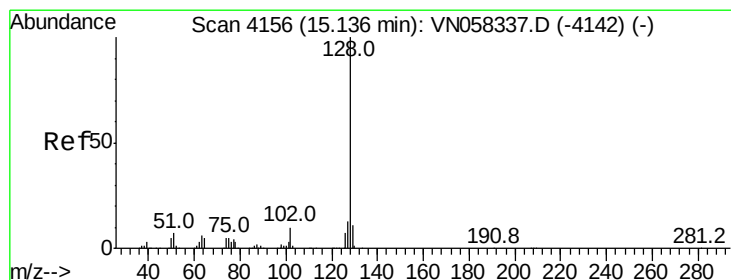
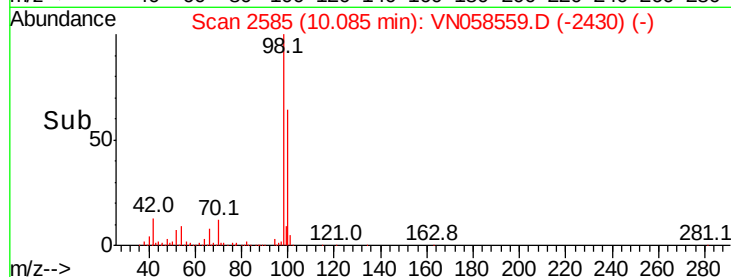
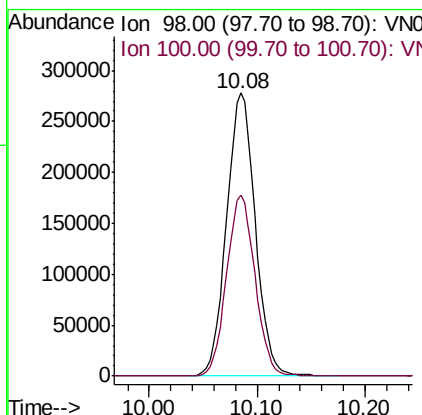
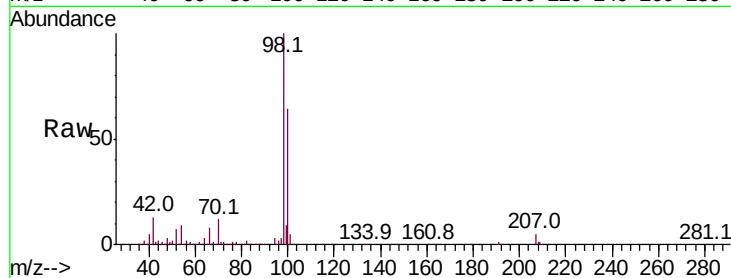
ClientSampleId :

Tot Ion: 98 Resp: 516950

Ion Ratio Lower Upper

98 100

100 63.5 50.2 75.2



#91

Naphthalene

Concen: 0.303 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN058559.D

Acq: 7 Oct 2019 11:58

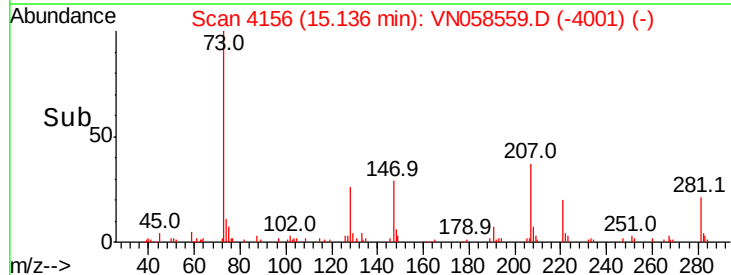
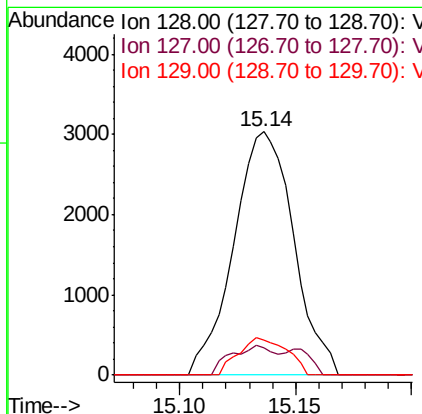
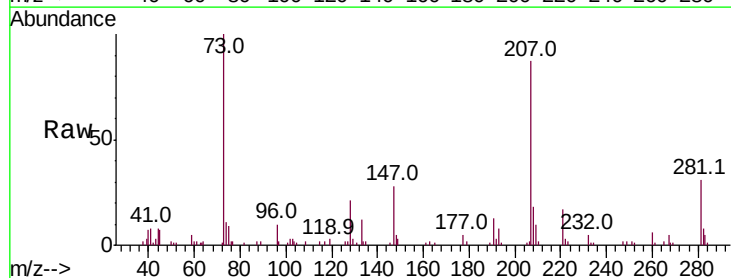
Tgt Ion: 128 Resp: 5439

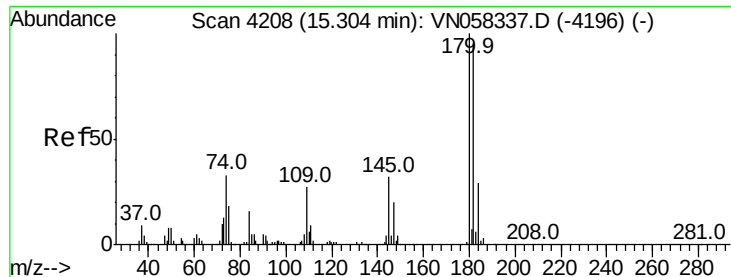
Ion Ratio Lower Upper

128 100

127 5.5 10.2 15.4#

129 12.3 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.270 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. -0.00 min
 Lab File: VN058559.D
 Acq: 7 Oct 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	78.8	0.0	189.4
145	23.5	0.0	64.0

