

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058236.D
 Acq On : 20 Sep 2019 9:52
 Operator : JC/SP
 Sample : K4949-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390918738-TRIP-BLANK

Quant Time: Sep 21 05:37:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	61121	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	362199	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	305533	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	170475	31.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.10%
60) 4-Bromofluorobenzene	12.40	95	142080	27.18	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.60%
63) Toluene-d8	10.08	98	447241	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

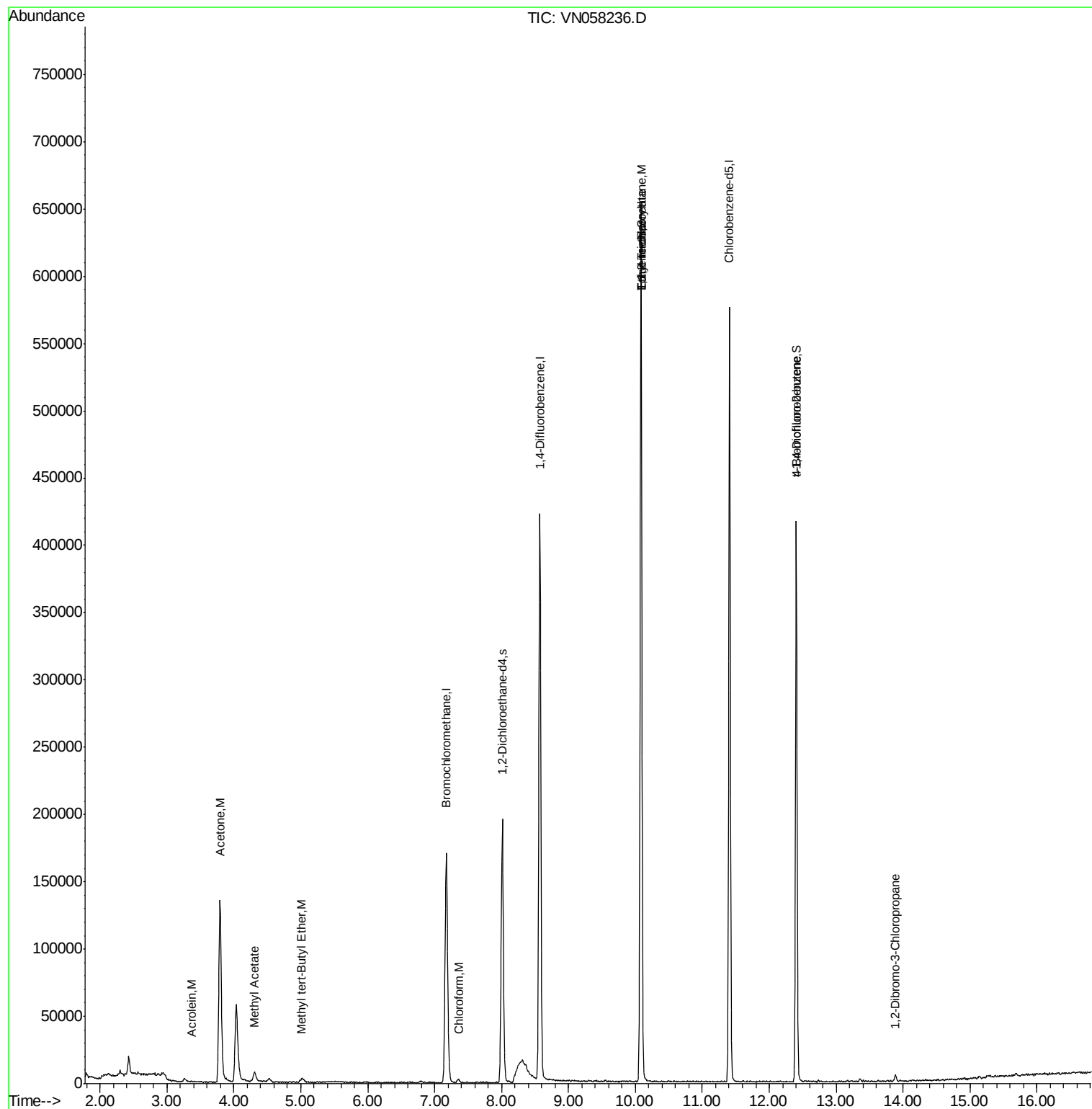
					Qvalue	
12) Methyl Acetate	4.31	43	12424	2.801	ug/l #	90
13) Acrolein	3.36	56	59	0.245	ug/l #	13
15) Acetone	3.79	58	65107	126.838	ug/l	97
24) Methyl tert-Butyl Ether	5.01	73	2748	0.222	ug/l #	100
25) Chloroform	7.36	83	2722	0.350	ug/l	88
50) 1,1,2-Trichloroethane	10.09	97	13364	3.195	ug/l #	1
51) Ethyl methacrylate	10.09	69	1619	0.250	ug/l #	58
77) t-1,4-Dichloro-2-butene	12.40	75	78229	52.082	ug/l #	1
88) 1,2-Dibromo-3-Chloropropan	13.89	75	210	0.209	ug/l #	7

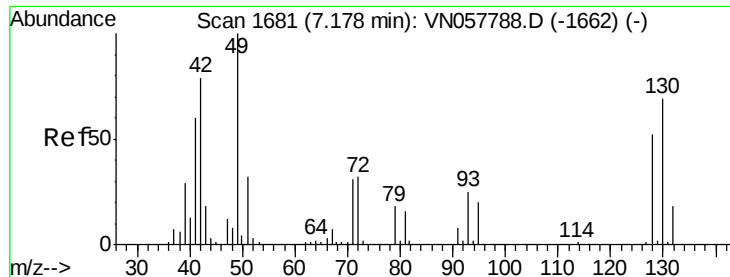
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
390918738-TRIP-BLANK

Quant Time: Sep 21 05:37:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 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: VN058236.D

Acq: 20 Sep 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

390918738-TRIP-BLANK

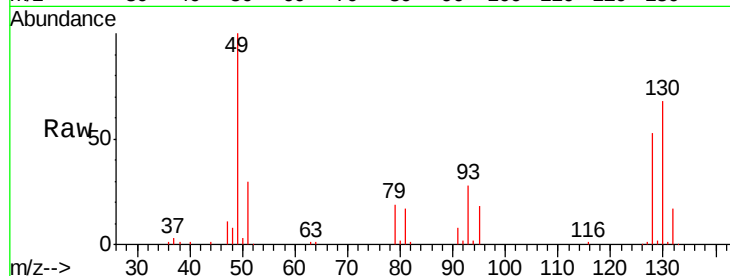
Tgt Ion:128 Resp: 61121

Ion Ratio Lower Upper

128 100

49 188.4 0.0 486.5

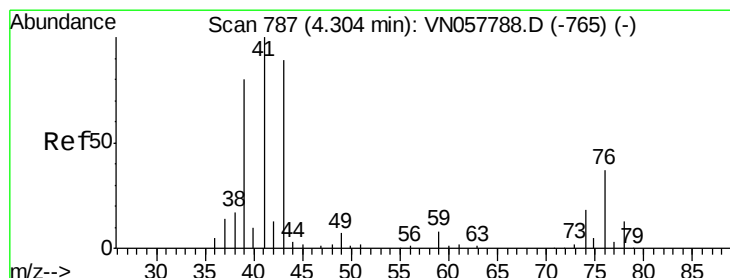
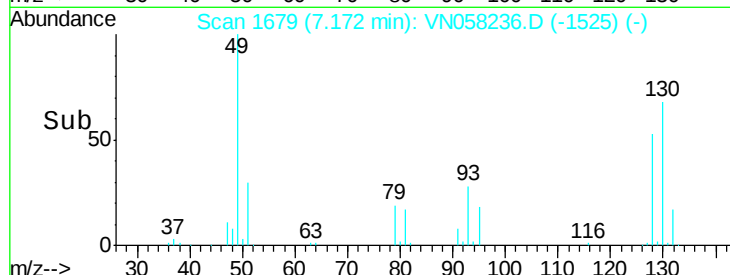
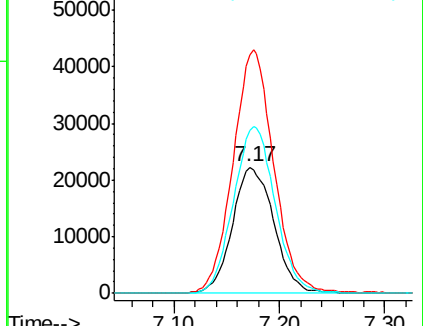
130 132.0 0.0 324.5



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



#12

Methyl Acetate

Concen: 2.801 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN058236.D

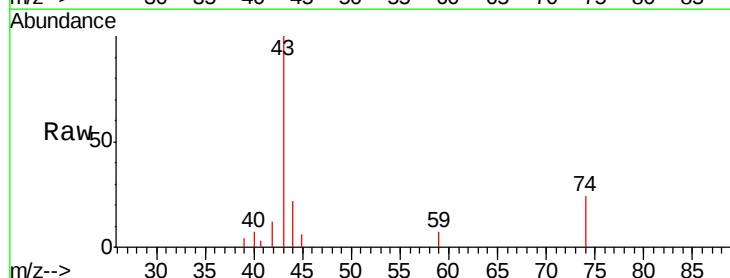
Acq: 20 Sep 2019 9:52

Tgt Ion: 43 Resp: 12424

Ion Ratio Lower Upper

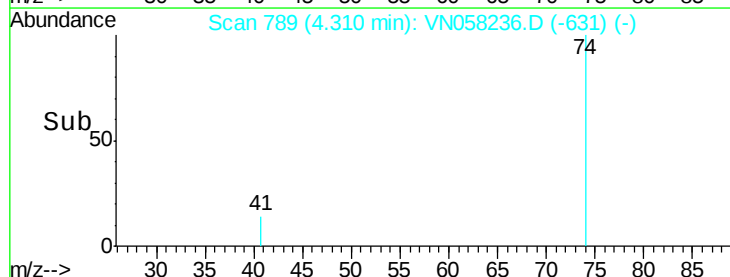
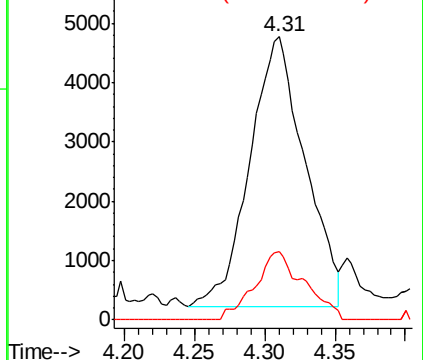
43 100

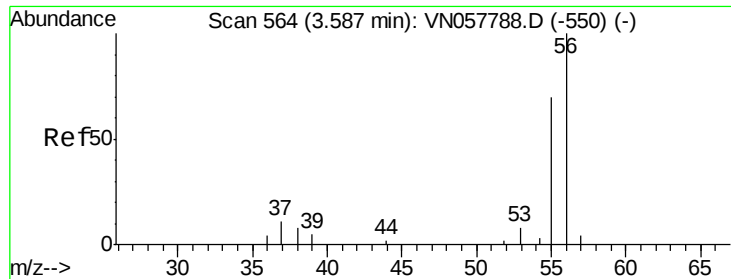
74 25.1 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#13

Acrolein

Concen: 0.245 ug/l

RT: 3.36 min Scan# 492

Delta R.T. -0.23 min

Lab File: VN058236.D

Acq: 20 Sep 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

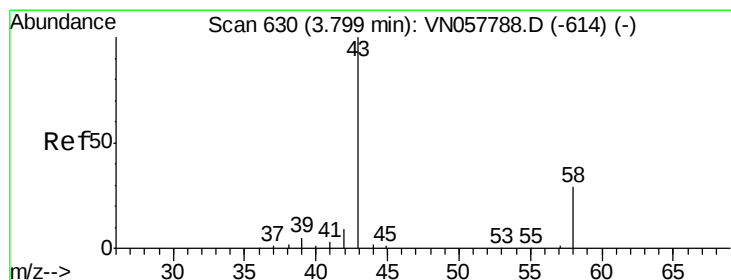
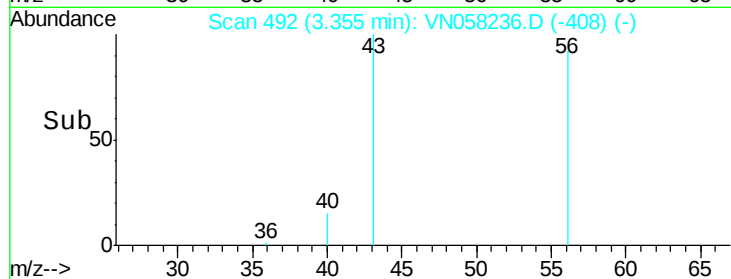
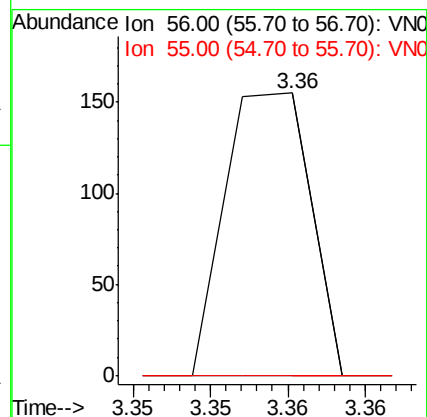
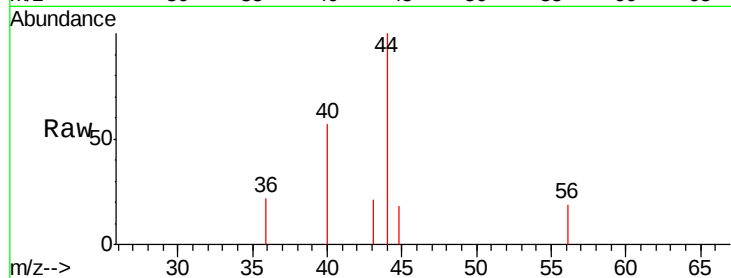
390918738-TRIP-BLANK

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 0.0 59.0 88.4#



#15

Acetone

Concen: 126.838 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058236.D

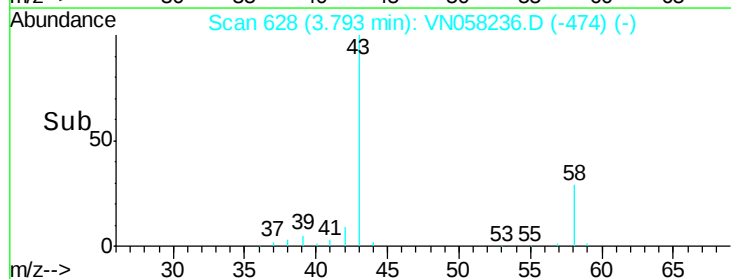
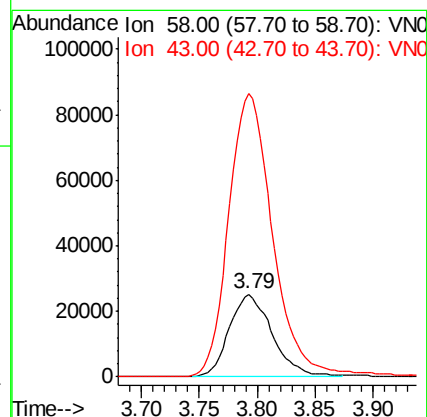
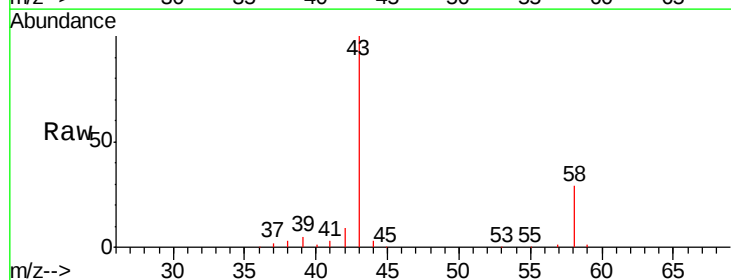
Acq: 20 Sep 2019 9:52

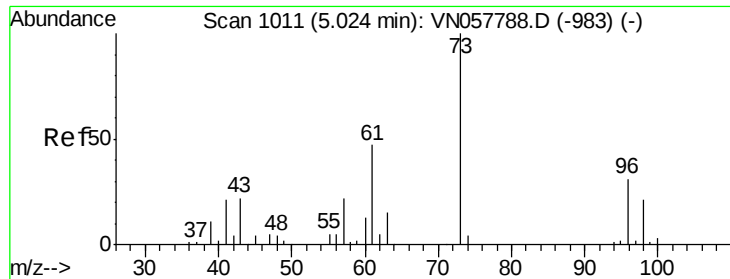
Tgt Ion: 58 Resp: 65107

Ion Ratio Lower Upper

58 100

43 340.0 277.7 416.5





#24

Methyl tert-Butyl Ether

Concen: 0.222 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN058236.D

Acq: 20 Sep 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

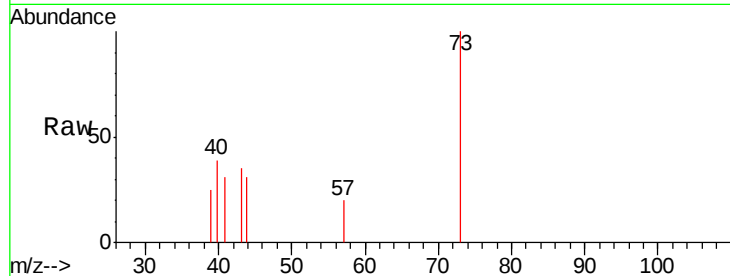
390918738-TRIP-BLANK

Tgt Ion: 73 Resp: 2748

Ion Ratio Lower Upper

73 100

43 5.9 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN057788.D (-983) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-983) (-)

5.01

1500

1000

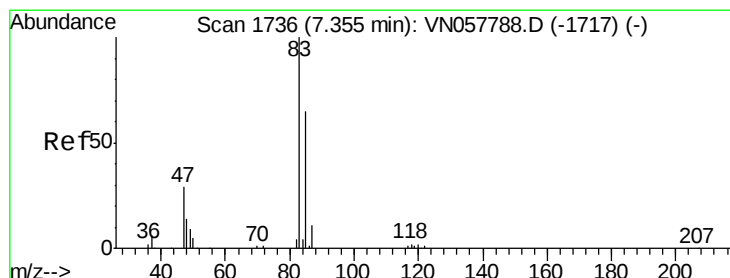
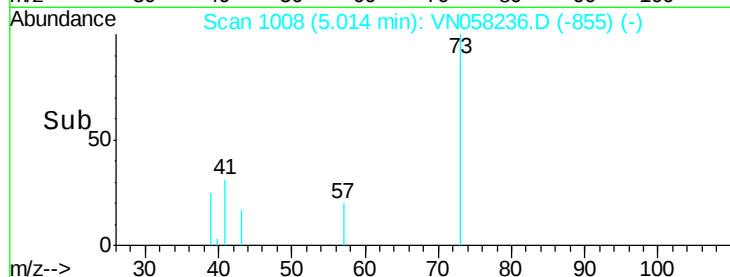
500

0

4.95

5.00

Time-->



#25

Chloroform

Concen: 0.350 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058236.D

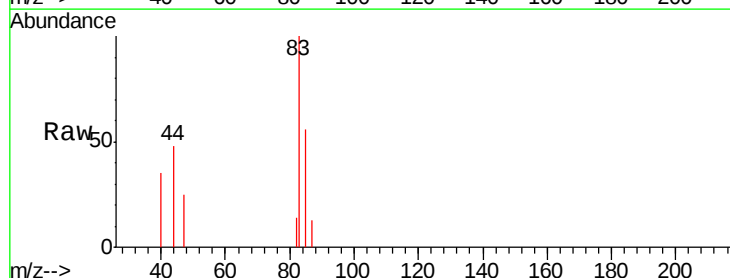
Acq: 20 Sep 2019 9:52

Tgt Ion: 83 Resp: 2722

Ion Ratio Lower Upper

83 100

85 55.6 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VN057788.D (-1717) (-)

Ion 85.00 (84.70 to 85.70): VN057788.D (-1717) (-)

7.36

1000

500

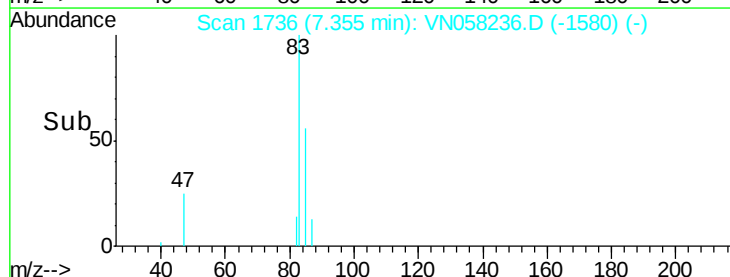
0

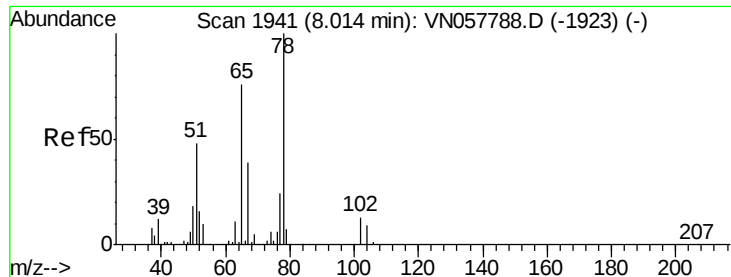
7.30

7.35

7.40

Time-->

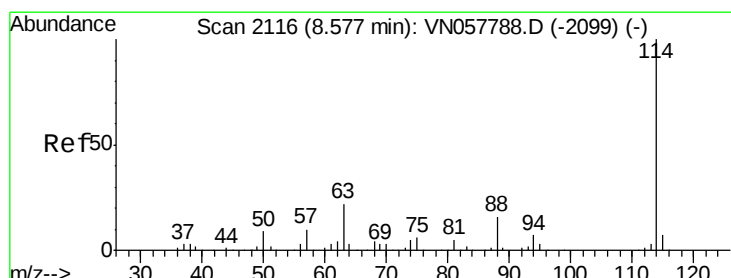
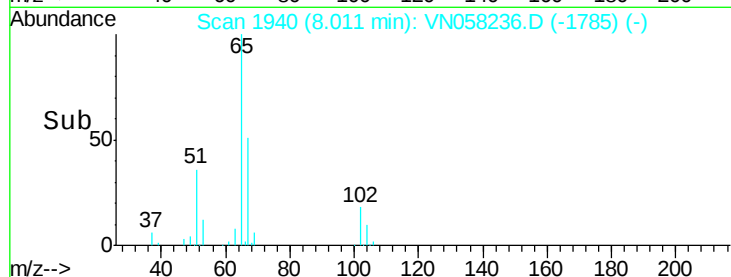
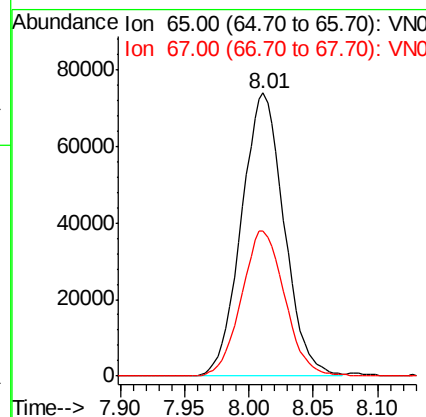
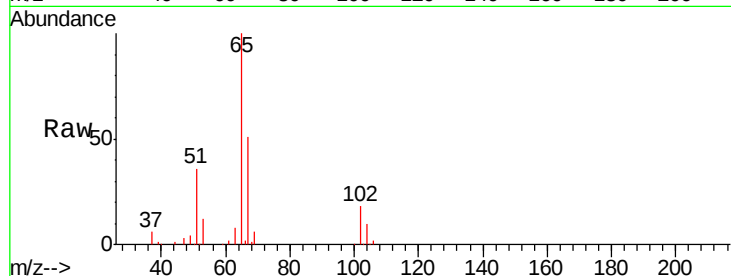




#27
 1,2-Dichloroethane-d4
 Concen: 31.532 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058236.D
 Acq: 20 Sep 2019 9:52

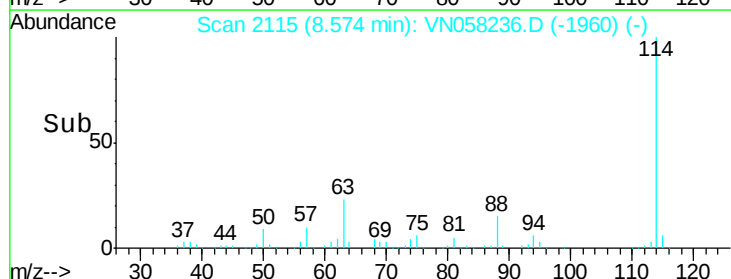
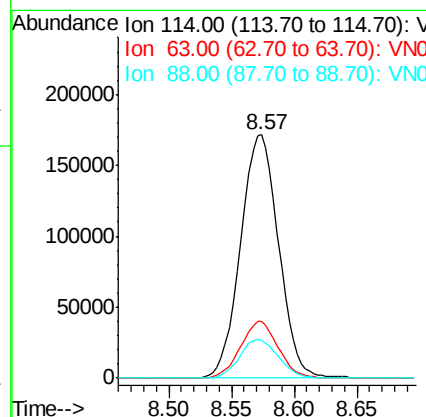
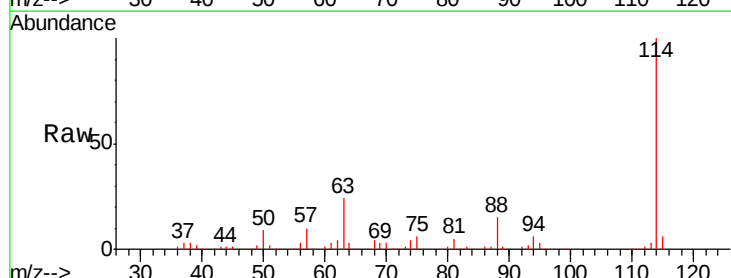
Instrument :
 MSVOA_N
 ClientSampleId :
 390918738-TRIP-BLANK

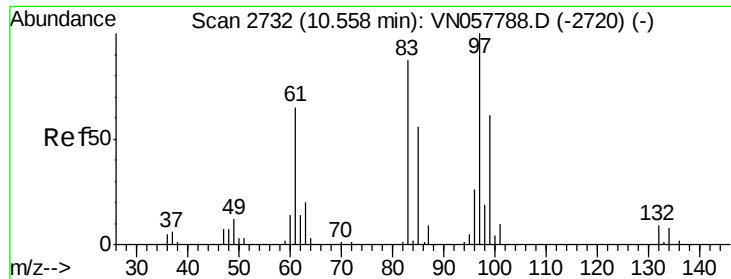
Tgt Ion: 65 Resp: 170475
 Ion Ratio Lower Upper
 65 100
 67 52.1 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058236.D
 Acq: 20 Sep 2019 9:52

Tgt Ion: 114 Resp: 362199
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.0 27.0
 88 16.1 12.6 19.0

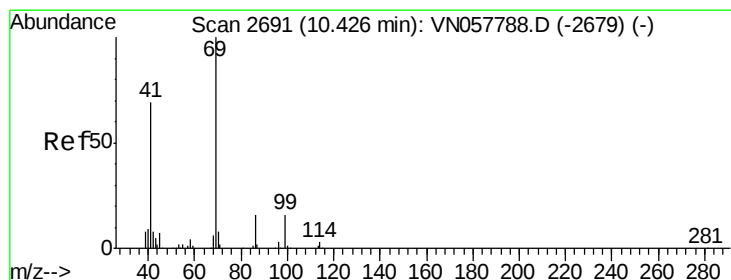
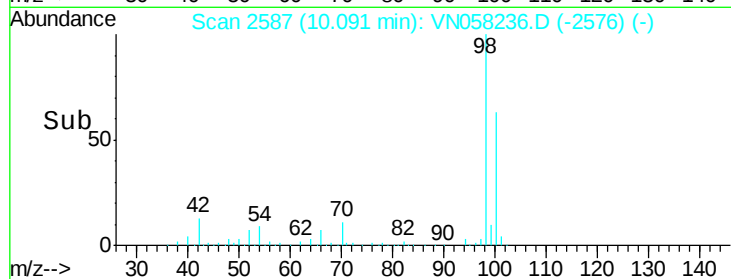
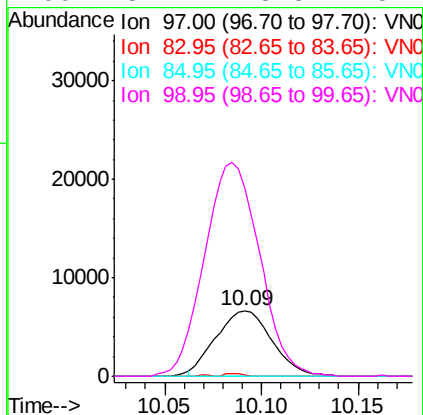
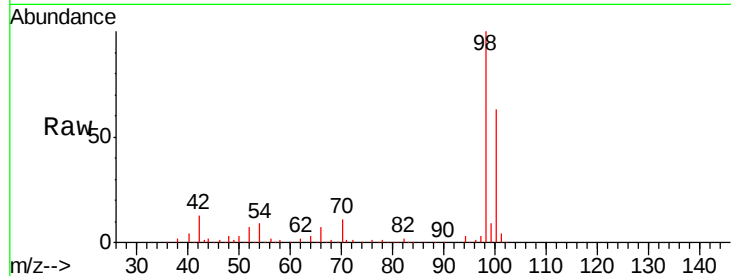




#50
1,1,2-Trichloroethane
Concen: 3.195 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.47 min
Lab File: VN058236.D
Acq: 20 Sep 2019 9:52

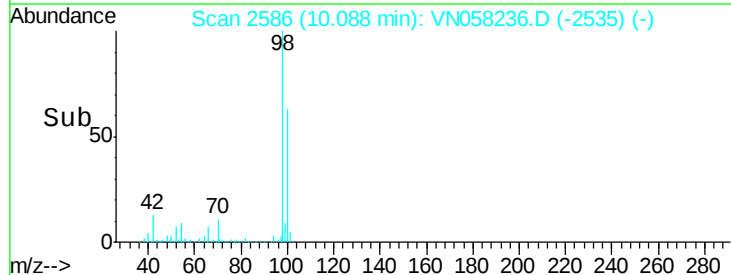
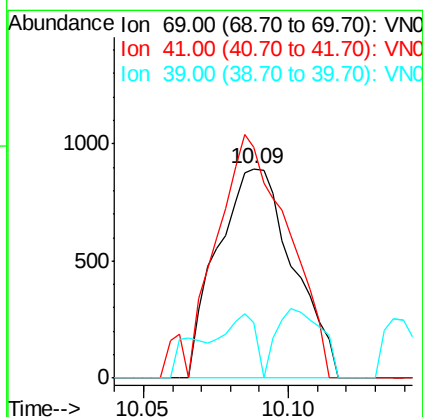
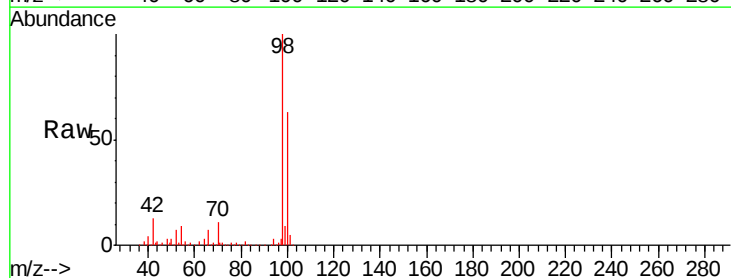
Instrument :
MSVOA_N
ClientSampleId :
390918738-TRIP-BLANK

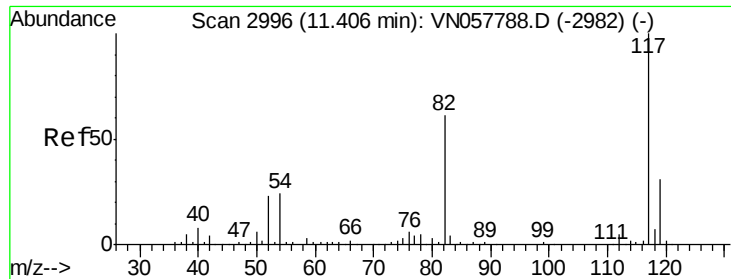
Tgt Ion: 97 Resp: 13364
Ion Ratio Lower Upper
97 100
83 2.5 69.4 104.2#
85 0.0 45.0 67.6#
99 287.7 48.8 73.2#



#51
Ethyl methacrylate
Concen: 0.250 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.34 min
Lab File: VN058236.D
Acq: 20 Sep 2019 9:52

Tgt Ion: 69 Resp: 1619
Ion Ratio Lower Upper
69 100
41 109.9 34.5 103.5#
39 26.3 22.4 67.3

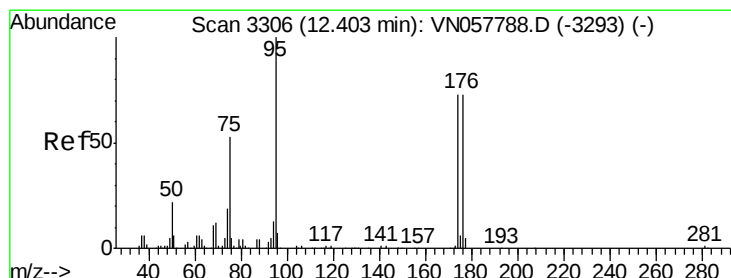
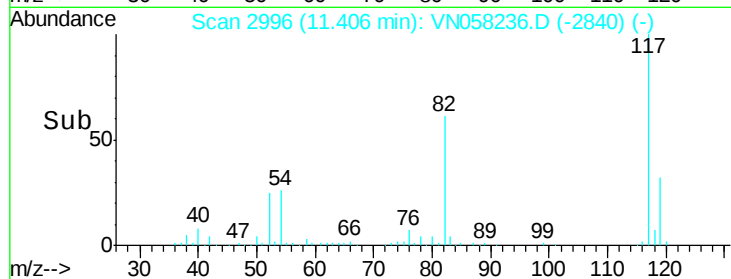
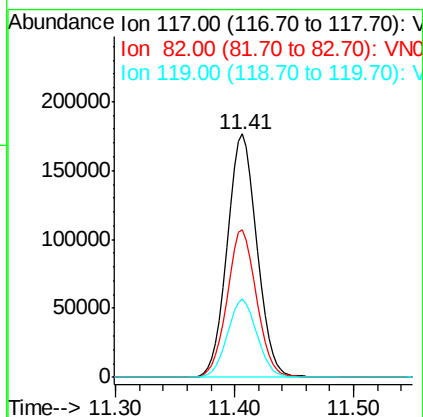
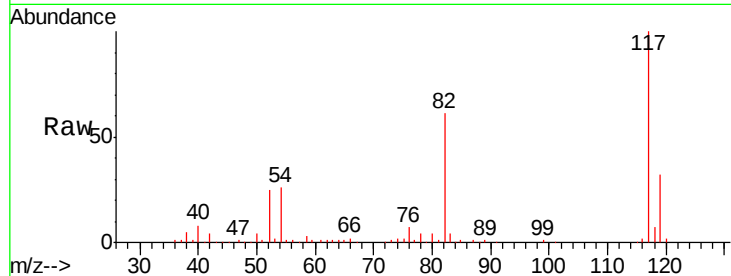




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058236.D
Acq: 20 Sep 2019 9:52

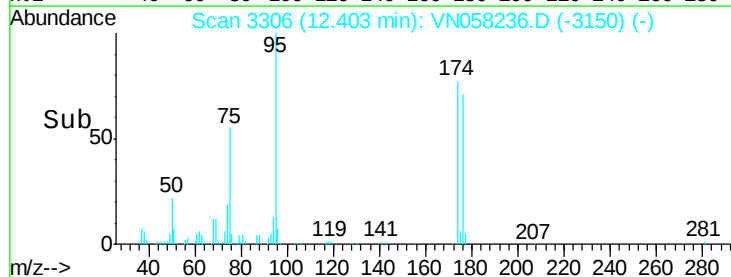
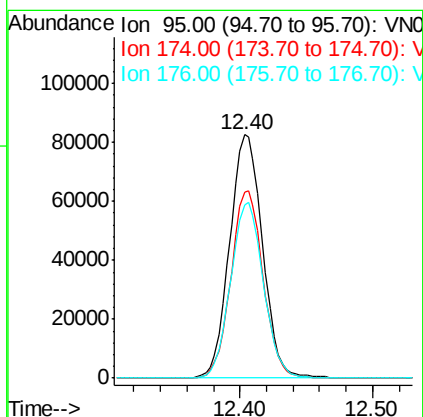
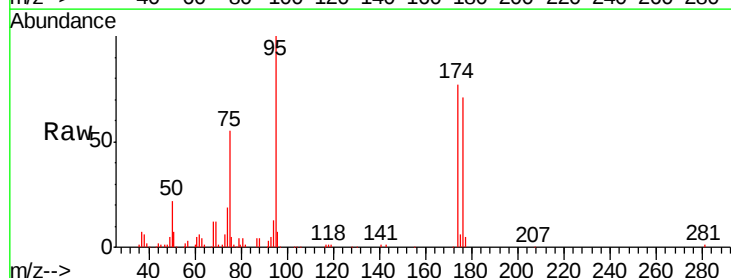
Instrument :
MSVOA_N
ClientSampleId :
390918738-TRIP-BLANK

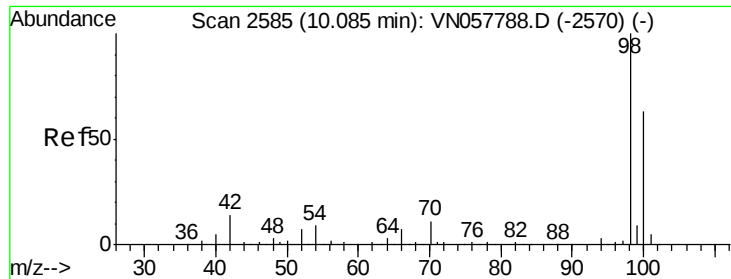
Tgt Ion: 117 Resp: 305533
Ion Ratio Lower Upper
117 100
82 60.0 47.6 71.4
119 32.0 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 27.176 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058236.D
Acq: 20 Sep 2019 9:52

Tgt Ion: 95 Resp: 142080
Ion Ratio Lower Upper
95 100
174 75.5 59.4 89.0
176 72.0 57.4 86.0





#63

Toluene-d8

Concen: 30.497 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058236.D

Acq: 20 Sep 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

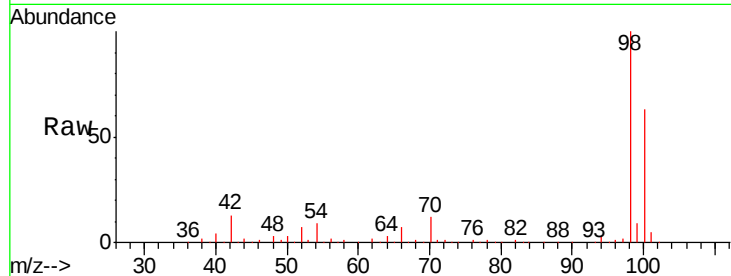
390918738-TRIP-BLANK

Tgt Ion: 98 Resp: 447241

Ion Ratio Lower Upper

98 100

100 63.0 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

250000

200000

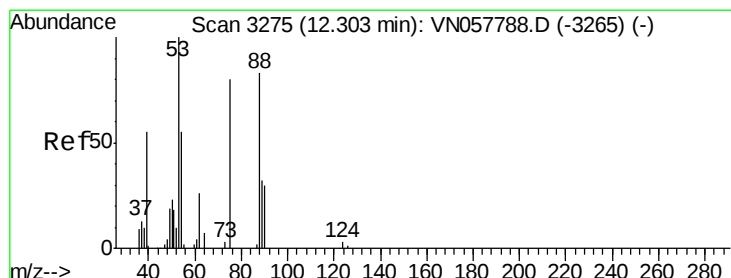
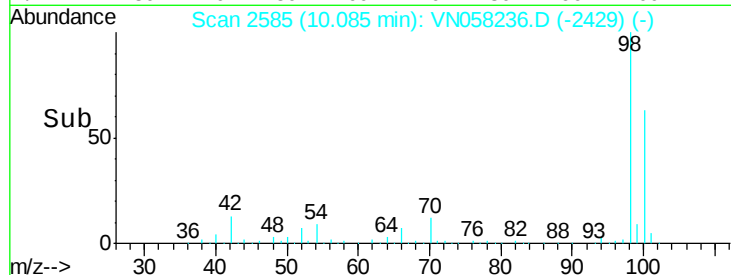
150000

100000

50000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 52.082 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058236.D

Acq: 20 Sep 2019 9:52

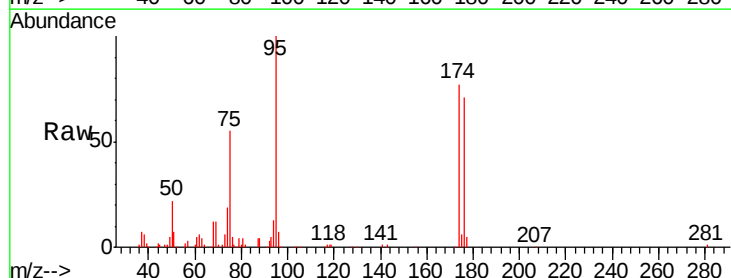
Tgt Ion: 75 Resp: 78229

Ion Ratio Lower Upper

75 100

53 0.0 62.7 188.2#

89 0.0 22.8 68.3#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

12.40

60000

50000

40000

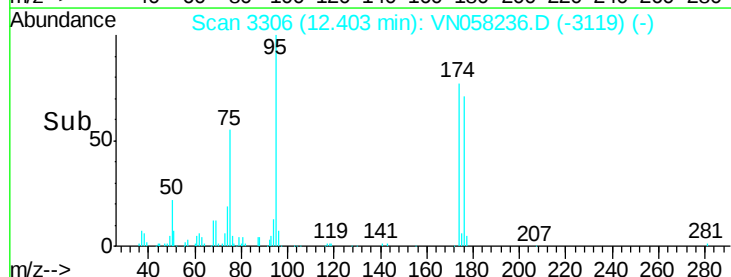
30000

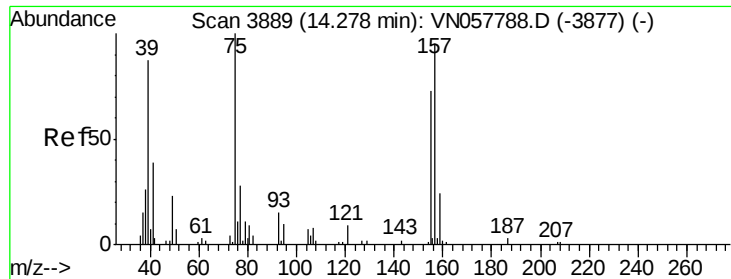
20000

10000

0

Time-->





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.209 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. -0.39 min

Lab File: VN058236.D

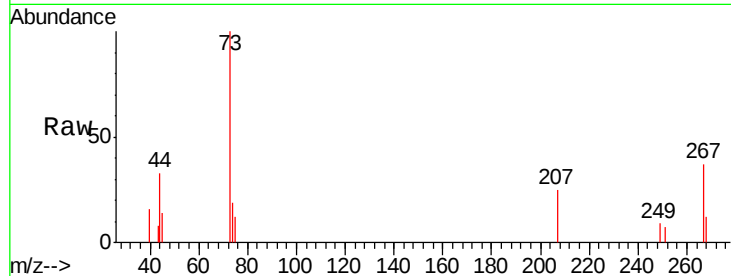
Acq: 20 Sep 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

390918738-TRIP-BLANK



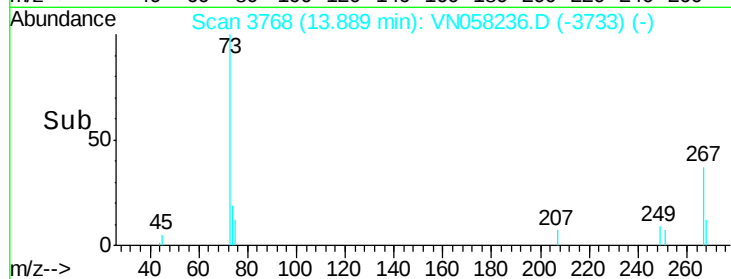
Tgt Ion: 75 Resp: 210

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.2#

157 0.0 74.6 112.0#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

300

200

100

0

13.87 13.88 13.89 13.90

Time-->