

Data File : VV015122.D
Acq On : 24 Mar 2020 14:36
Operator : SY/MD
Sample : L1968-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DD6

Quant Time: Mar 25 01:15:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 25 01:10:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	759736	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	713384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	341242	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	270993	38.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.24%
7) Chloroethane-d5	1.58	69	242905	40.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.12	63	397103	33.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.80%
21) 2-Butanone-d5	3.94	46	395859	86.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.57%
24) Chloroform-d	4.38	84	437725	41.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	5.06	65	286458	42.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.82%
32) Benzene-d6	5.08	84	922022	42.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.34%
36) 1,2-Dichloropropane-d6	6.10	67	295986	41.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.72%
41) Toluene-d8	7.34	98	880141	43.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.86%
43) trans-1,3-Dichloropropene-	7.64	79	153873	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.40%
47) 2-Hexanone-d5	8.11	63	313017	88.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	419596	42.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	334215	43.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.72%

Target Compounds

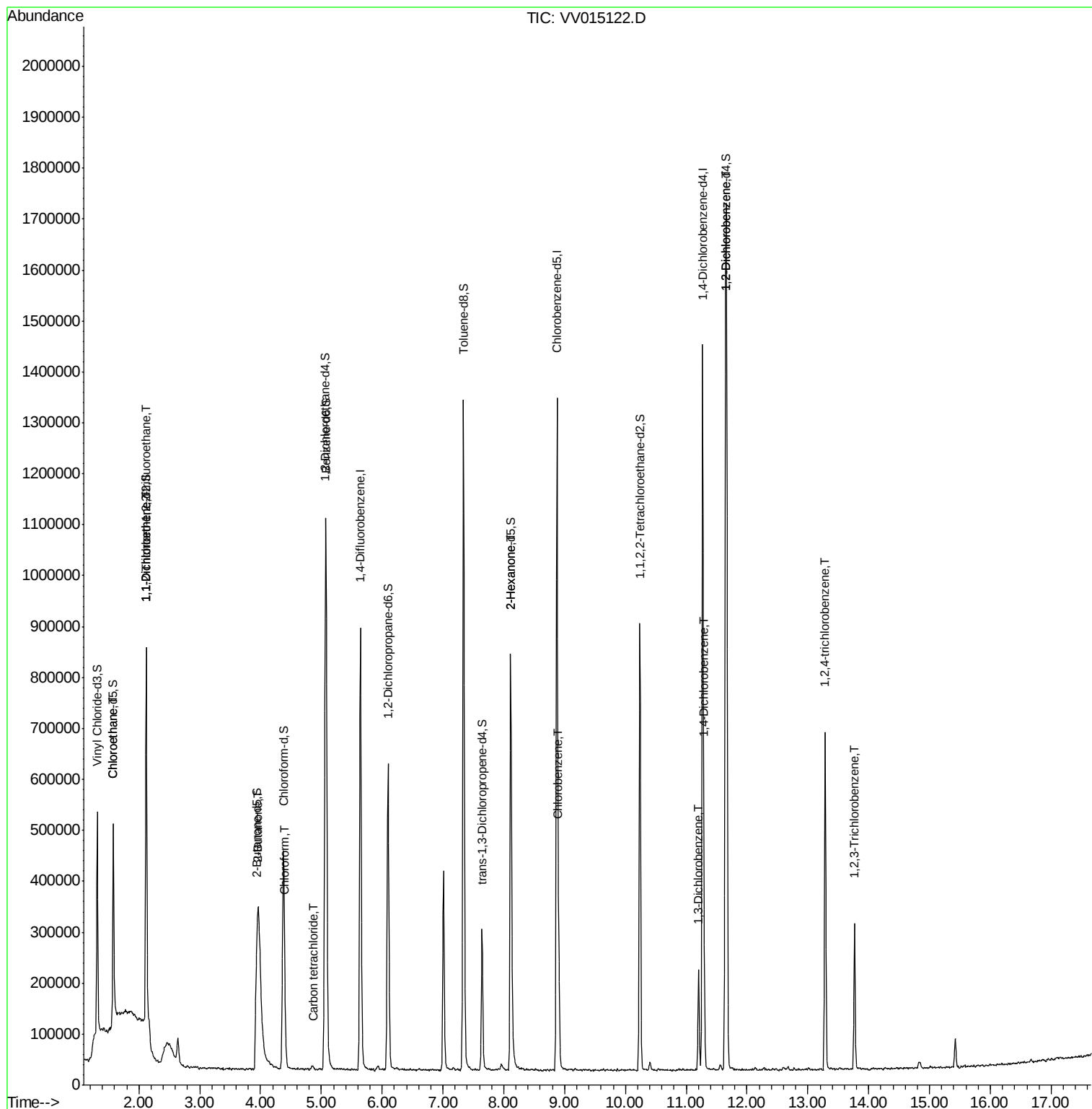
						Qvalue
8) Chloroethane	1.59	64	104432	18.777	ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	4598	1.005	ug/L #	32
12) 1,1-Dichloroethene	2.12	96	3632	0.738	ug/L #	1
22) 2-Butanone	3.96	43	7426	1.486	ug/L	77
25) Chloroform	4.41	83	19015	1.913	ug/L	85
31) Carbon tetrachloride	4.85	117	5980	0.849	ug/L	90
48) 2-Hexanone	8.12	43	36305	4.885	ug/L #	72
51) Chlorobenzene	8.90	112	126136	8.520	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	81329	7.169	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	65321	5.696	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	468108	39.598	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	185262	25.098	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	79240	10.420	ug/L	98

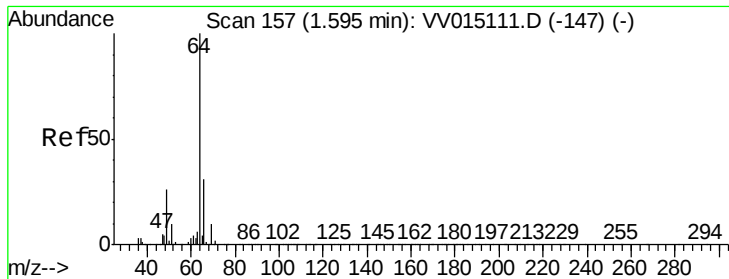
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 18.777 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

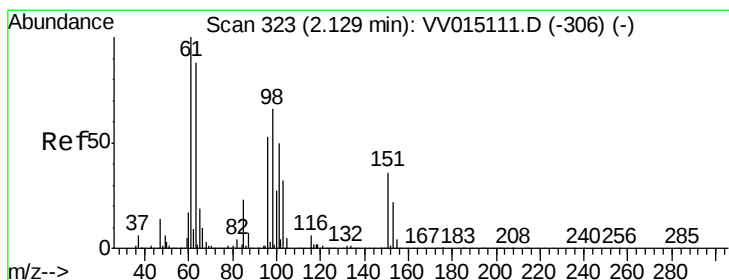
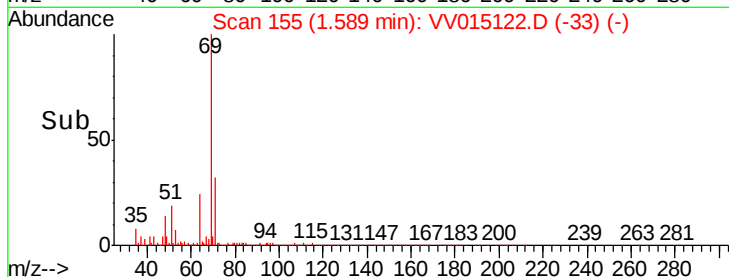
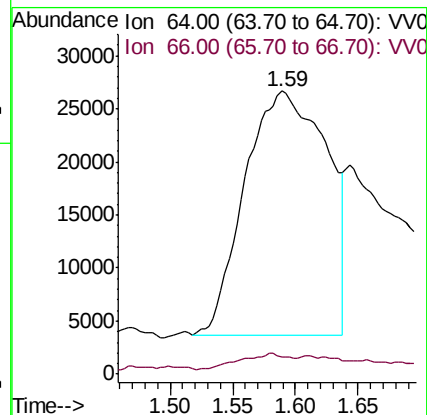
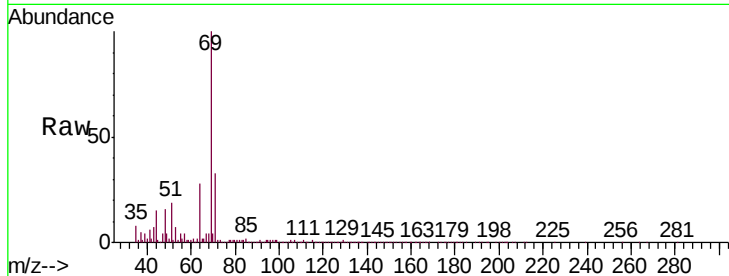
C0DD6

Tgt Ion: 64 Resp: 104432

Ion Ratio Lower Upper

64 100

66 6.1 22.0 41.0#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.005 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

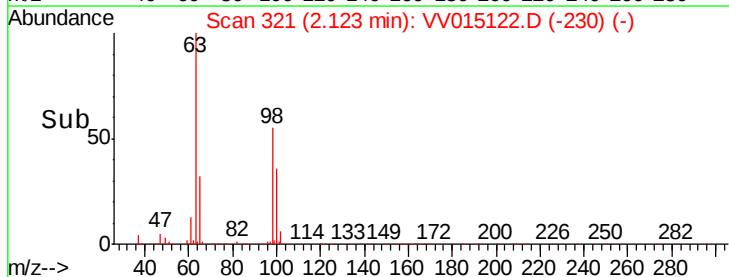
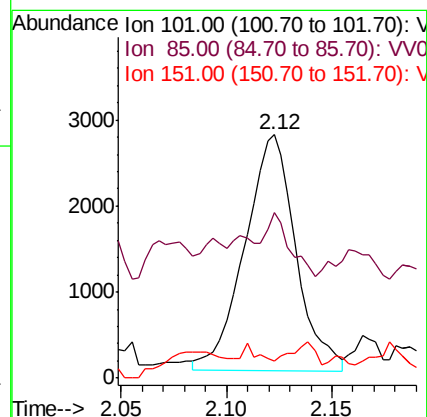
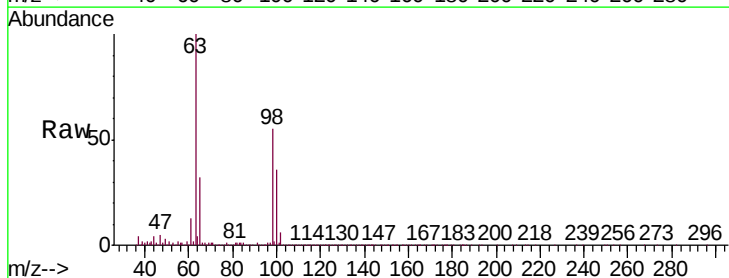
Tgt Ion: 101 Resp: 4598

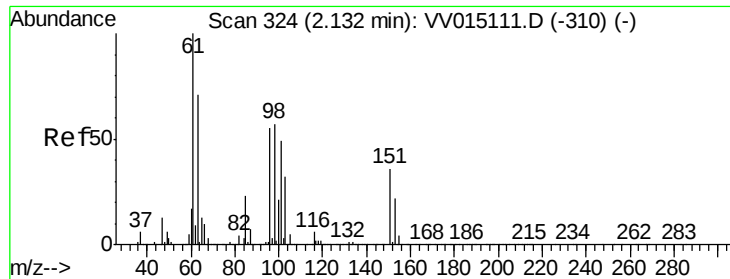
Ion Ratio Lower Upper

101 100

85 13.4 37.2 55.8#

151 4.6 56.3 84.5#





#12

1,1-Dichloroethene

Concen: 0.738 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

Instrument :

MSVOA_V

ClientSampled :

C0DD6

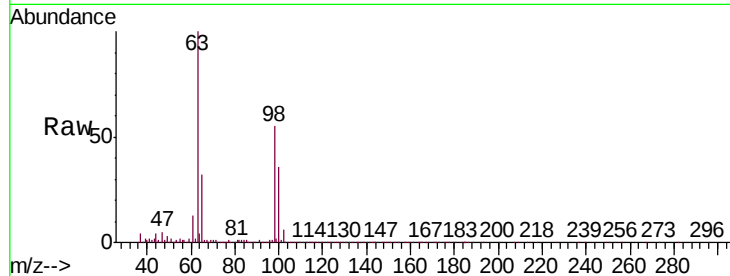
Tgt Ion: 96 Resp: 3632

Ion Ratio Lower Upper

96 100

61 1108.3 127.4 236.6#

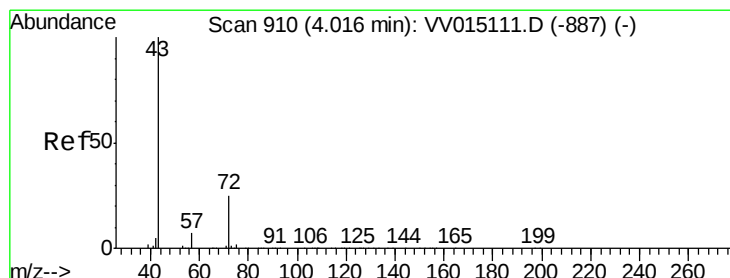
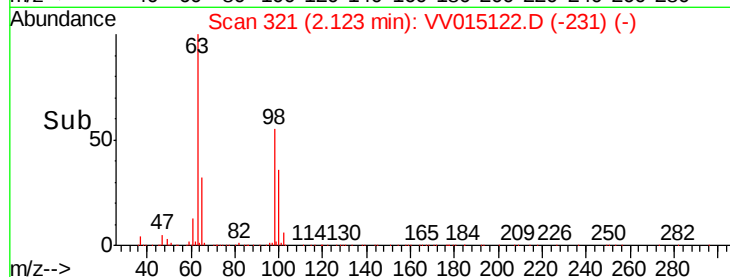
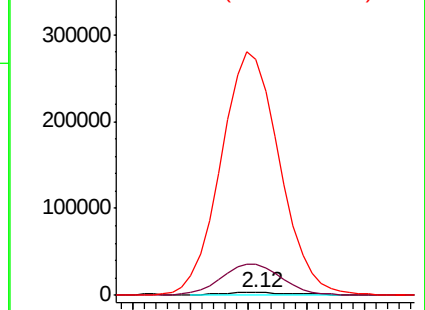
63 8528.6 96.6 179.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#22

2-Butanone

Concen: 1.486 ug/L

RT: 3.96 min Scan# 894

Delta R.T. -0.05 min

Lab File: VV015122.D

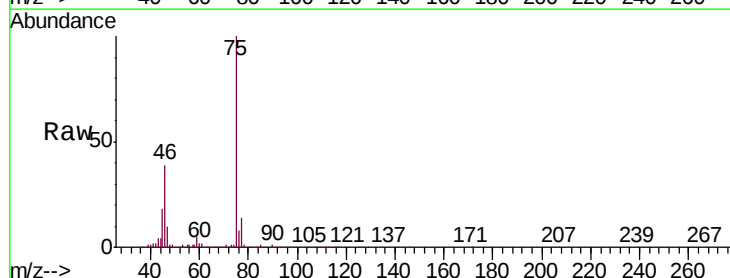
Acq: 24 Mar 2020 14:36

Tgt Ion: 43 Resp: 7426

Ion Ratio Lower Upper

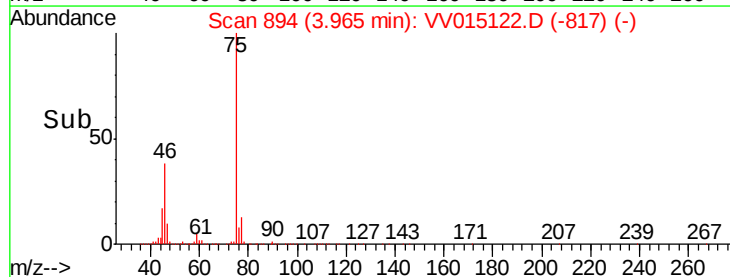
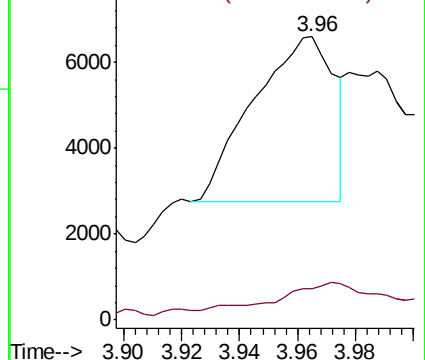
43 100

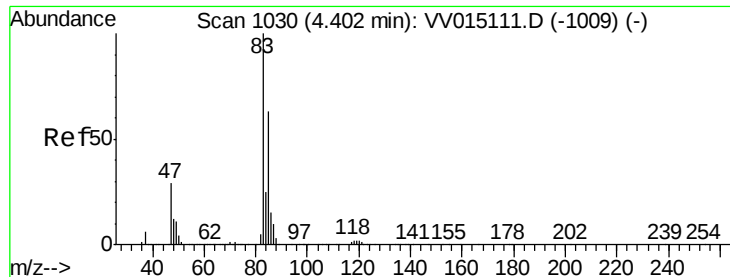
72 11.8 11.6 34.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

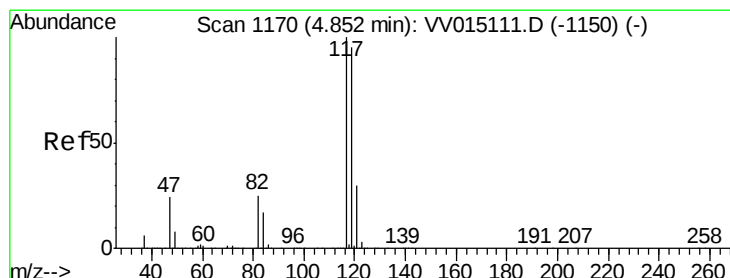
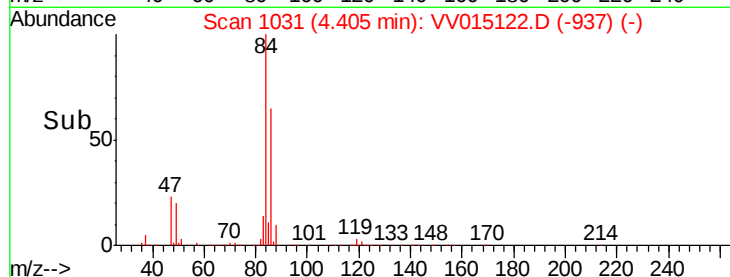
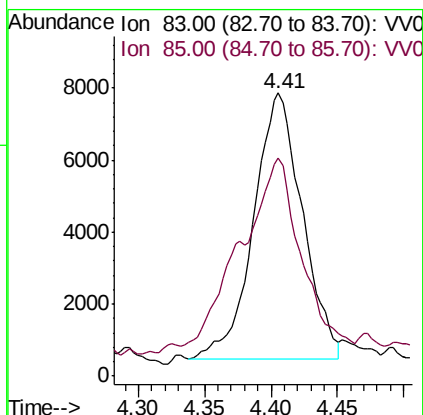
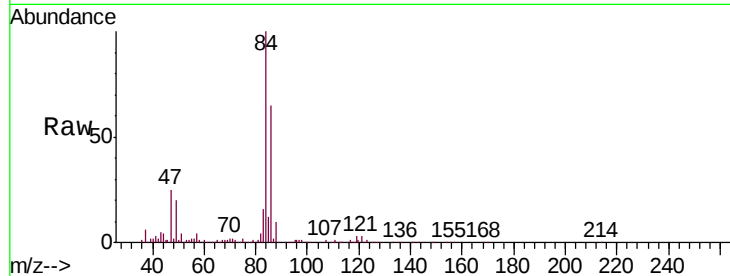




#25
Chloroform
Concen: 1.913 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015122.D
Acq: 24 Mar 2020 14:36

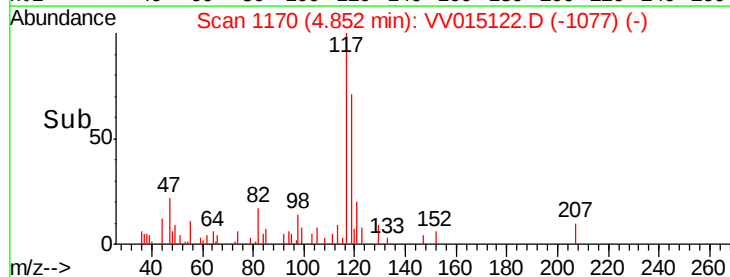
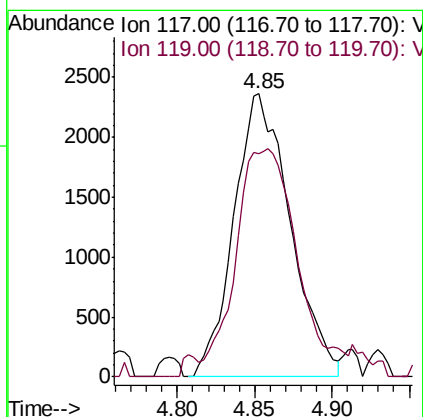
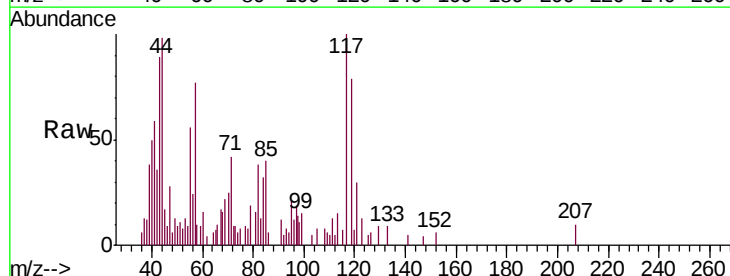
Instrument :
MSVOA_V
ClientSampleId :
C0DD6

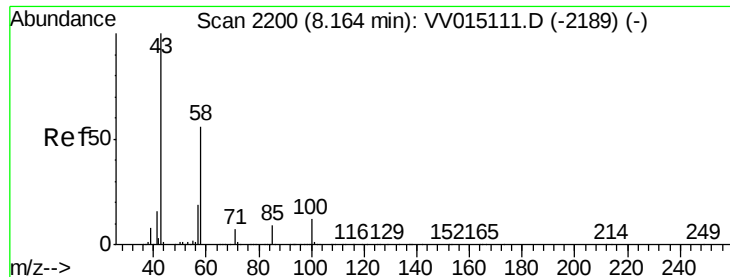
Tgt Ion: 83 Resp: 19015
Ion Ratio Lower Upper
83 100
85 76.9 45.8 85.0



#31
Carbon tetrachloride
Concen: 0.849 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015122.D
Acq: 24 Mar 2020 14:36

Tgt Ion: 117 Resp: 5980
Ion Ratio Lower Upper
117 100
119 85.3 76.1 114.1

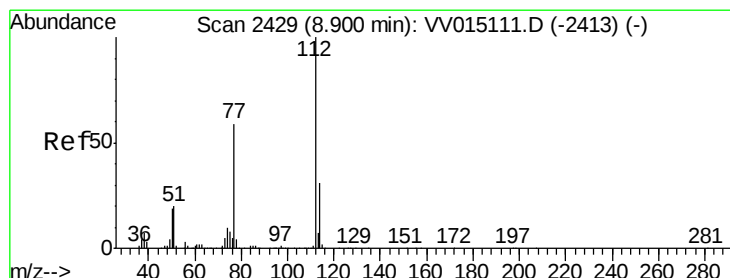
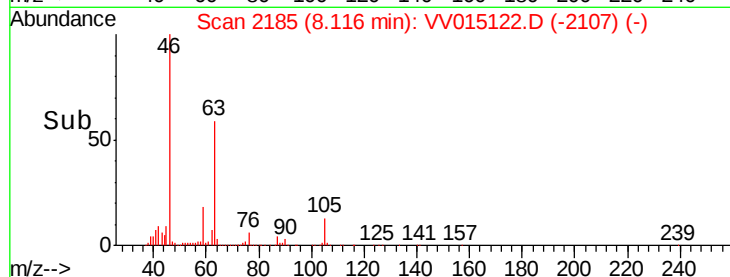
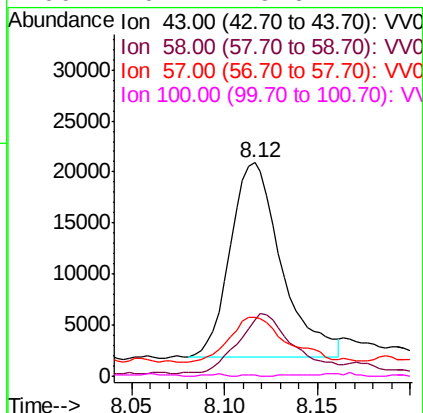
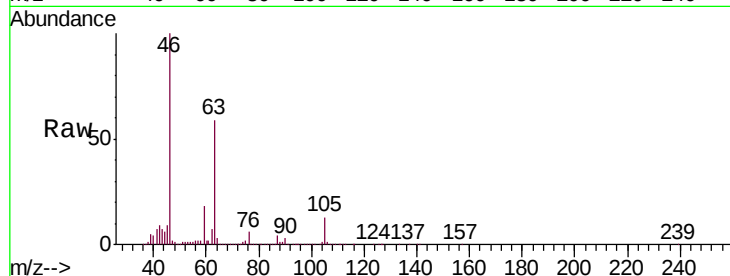




#48
2-Hexanone
Concen: 4.885 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015122.D
Acq: 24 Mar 2020 14:36

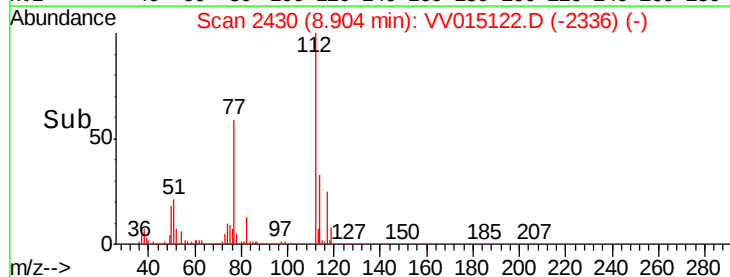
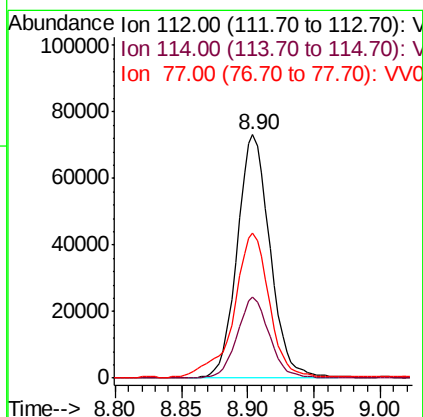
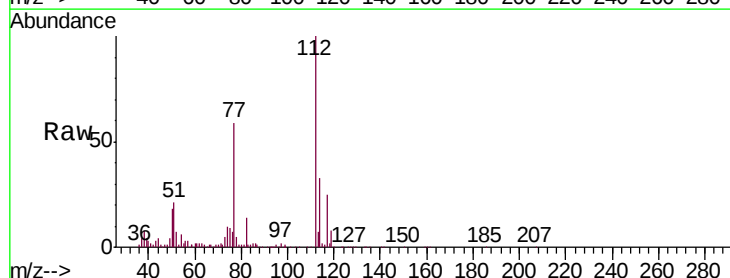
Instrument :
MSVOA_V
ClientSampleId :
C0DD6

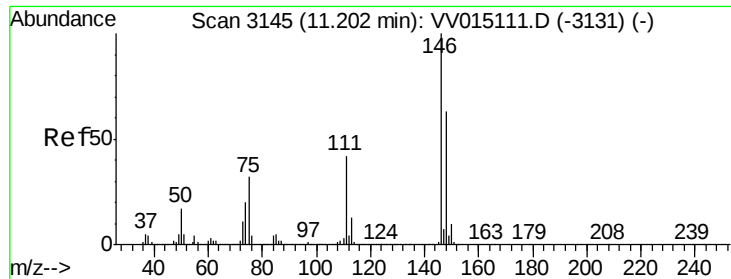
Tgt Ion:	43	Resp:	36305
Ion	Ratio	Lower	Upper
43	100		
58	33.0	44.2	66.2#
57	25.7	14.0	21.0#
100	0.2	9.6	14.4#



#51
Chlorobenzene
Concen: 8.520 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015122.D
Acq: 24 Mar 2020 14:36

Tgt Ion:	112	Resp:	126136
Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.3	41.3
77	59.5	48.1	72.1





#62

1,3-Dichlorobenzene

Concen: 7.169 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

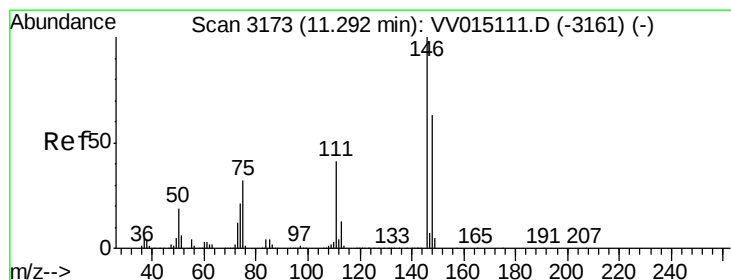
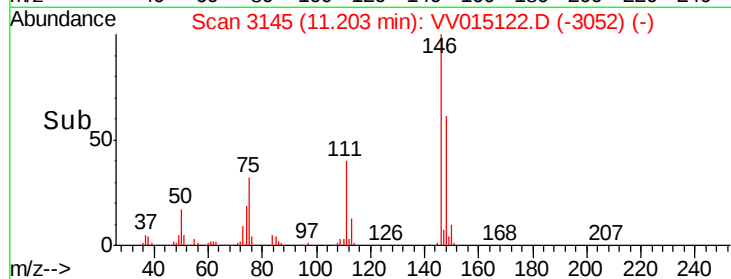
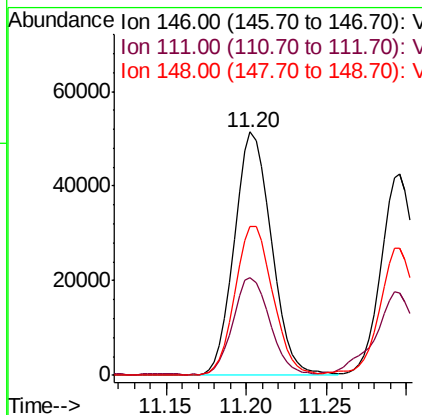
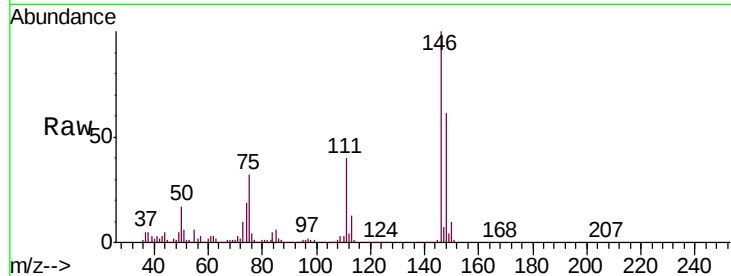
Instrument :

MSVOA_V

ClientSampleId :

C0DD6

Tgt Ion:	146	Resp:	81329
Ion	Ratio	Lower	Upper
146	100		
111	40.2	29.7	55.1
148	61.0	45.3	84.1



#63

1,4-Dichlorobenzene

Concen: 5.696 ug/L

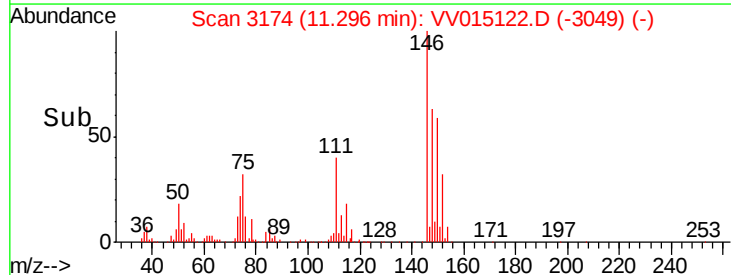
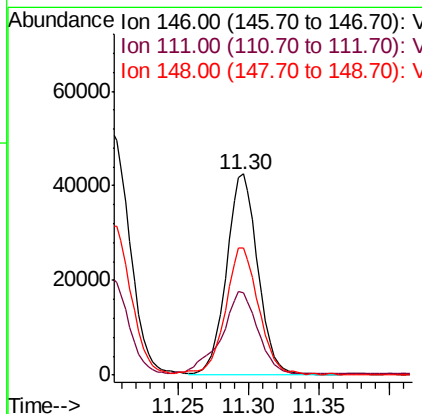
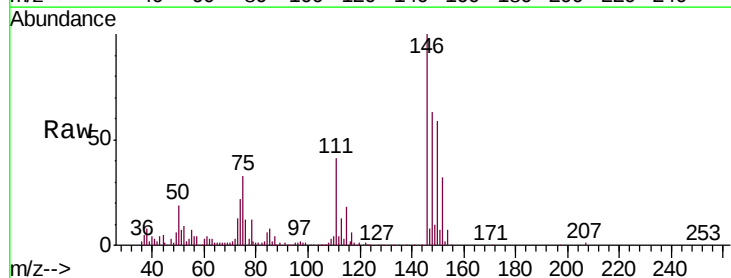
RT: 11.30 min Scan# 3174

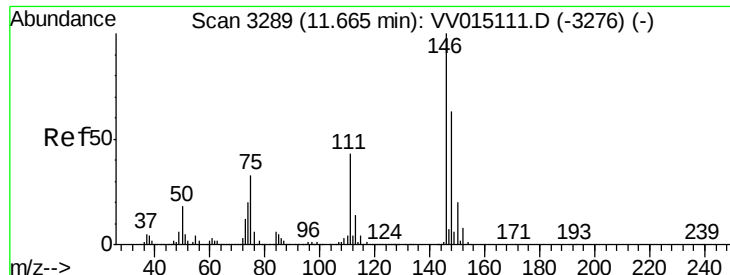
Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

Tgt Ion:	146	Resp:	65321
Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.2	52.4
148	63.3	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 39.598 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

Instrument :

MSVOA_V

ClientSampled :

C0DD6

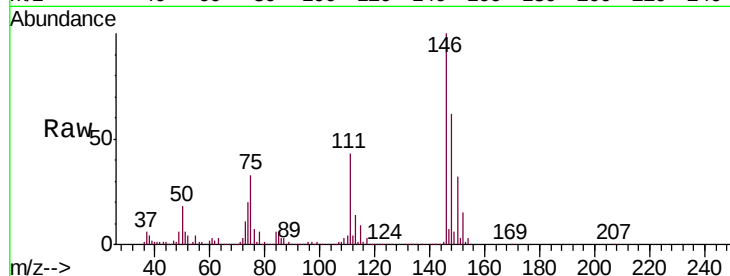
Tgt Ion:146 Resp: 468108

Ion Ratio Lower Upper

146 100

111 43.1 35.2 52.8

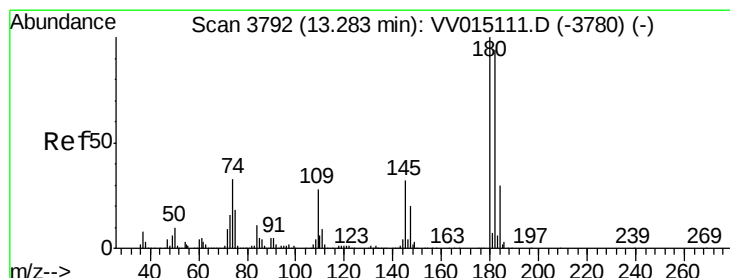
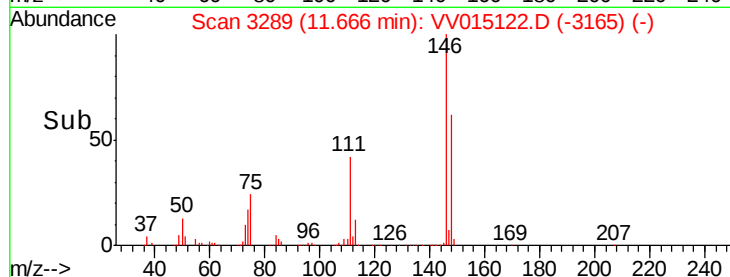
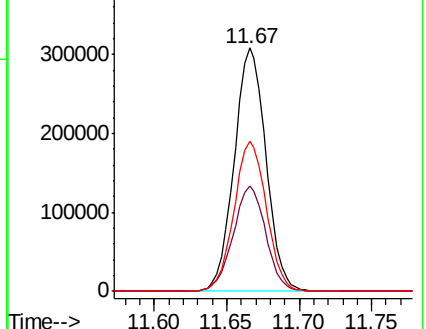
148 61.7 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 25.098 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

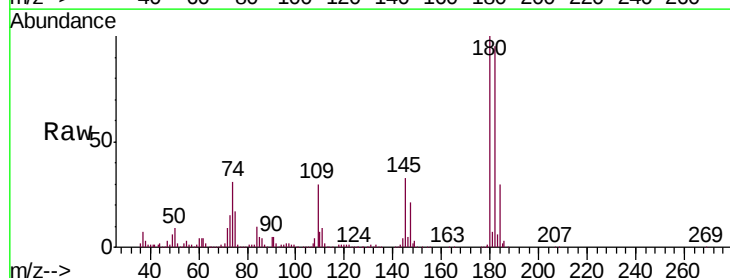
Tgt Ion:180 Resp: 185262

Ion Ratio Lower Upper

180 100

182 96.5 75.5 113.3

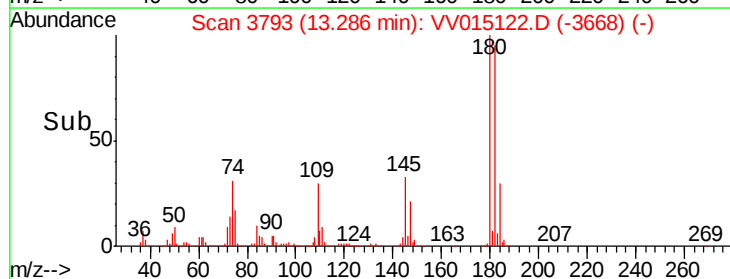
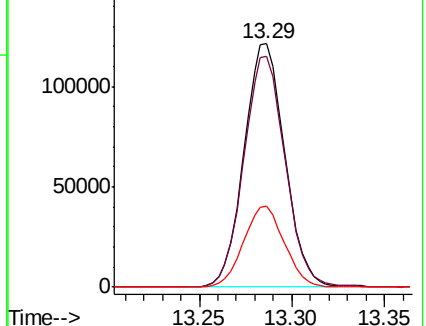
145 33.2 26.4 39.6

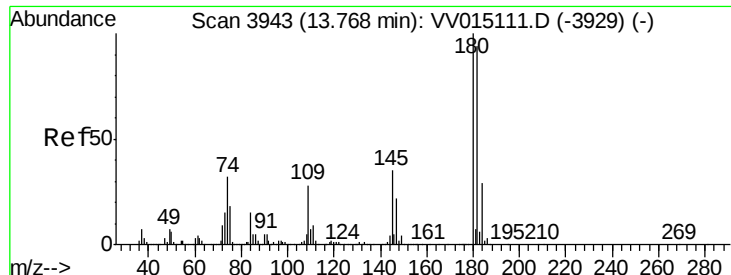


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

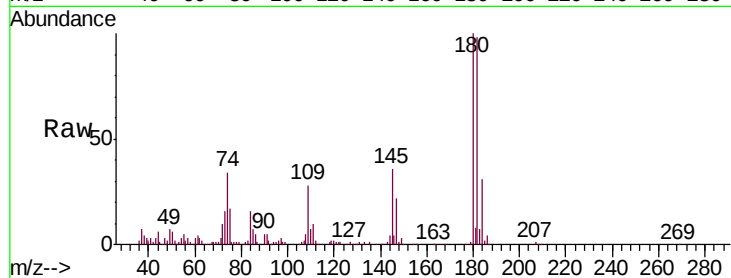




#70
 1,2,3-Trichlorobenzene
 Concen: 10.420 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015122.D
 Acq: 24 Mar 2020 14:36

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD6

Tgt Ion:180 Resp: 79240
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.6 115.0
 145 36.5 27.8 41.6



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

