

Data File : VV015148.D
Acq On : 25 Mar 2020 20:55
Operator : SY/MD
Sample : L1968-01 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DC7

Quant Time: Mar 26 02:04:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 26 02:00:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	619767	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	599575	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	270338	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	223768	43.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.36%
7) Chloroethane-d5	1.58	69	206146	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.84%
11) 1,1-Dichloroethene-d2	2.12	63	357620	35.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.06%
21) 2-Butanone-d5	3.94	46	314297	92.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.43%
24) Chloroform-d	4.38	84	381401	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
26) 1,2-Dichloroethane-d4	5.06	65	258667	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
32) Benzene-d6	5.08	84	782906	45.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.58%
36) 1,2-Dichloropropane-d6	6.10	67	247809	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.34%
41) Toluene-d8	7.34	98	751787	45.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.64	79	119289	39.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.40%
47) 2-Hexanone-d5	8.12	63	249660	90.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.85%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	360226	44.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	266635	44.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

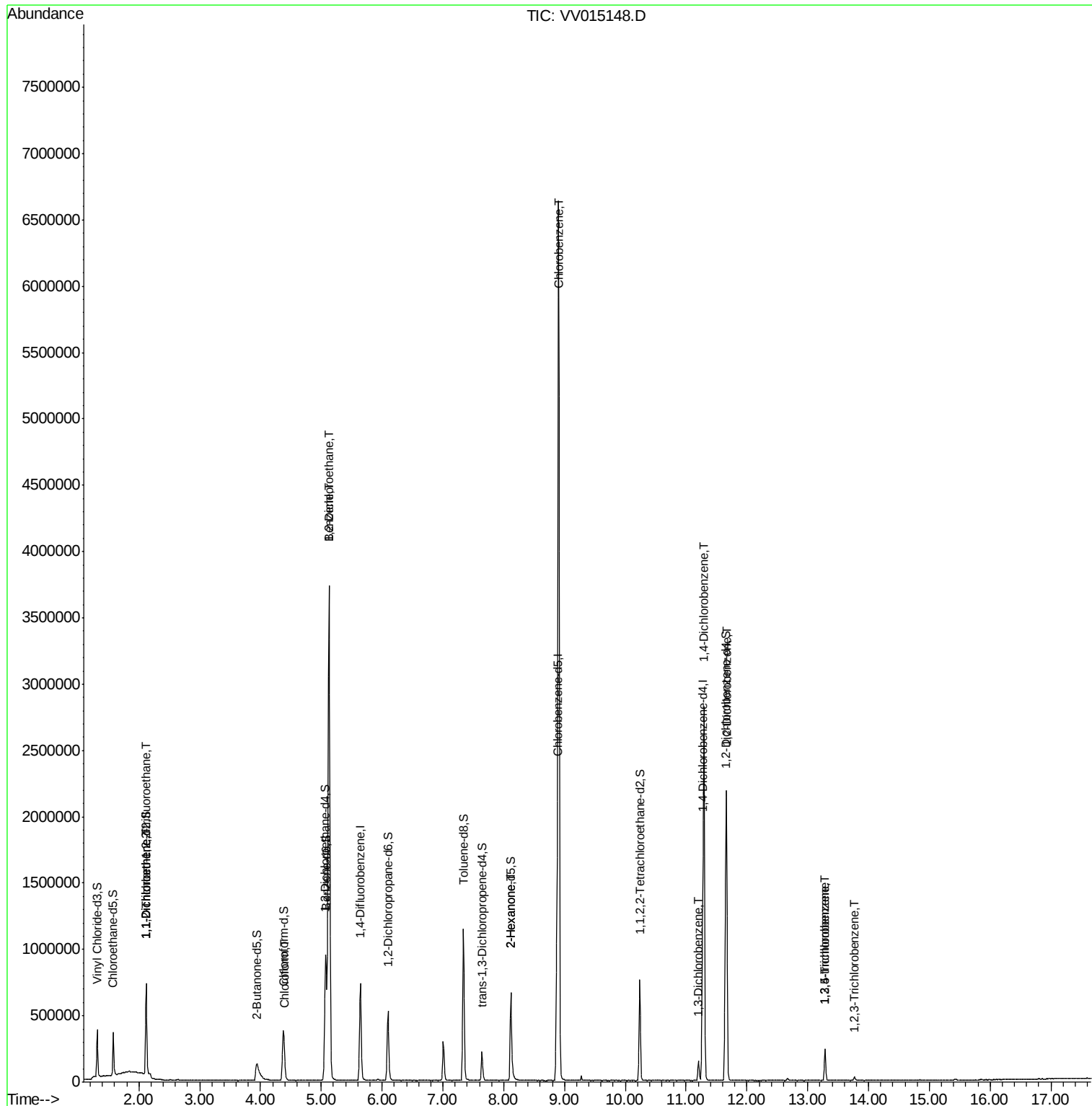
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3302	0.763	ug/L #	28
12) 1,1-Dichloroethene	2.12	96	3133	0.751	ug/L #	1
25) Chloroform	4.41	83	10241	1.456	ug/L	94
27) 1,2-Dichloroethane	5.13	62	30767	5.645	ug/L #	74
33) Benzene	5.13	78	3739713	242.375	ug/L	100
48) 2-Hexanone	8.12	43	29580	6.574	ug/L #	75
51) Chlorobenzene	8.90	112	3373936	303.316	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	56740	7.166	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	1000961	124.088	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	710156	88.897	ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	61137	11.458	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	61137	12.169	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	7302	1.463	ug/L	99

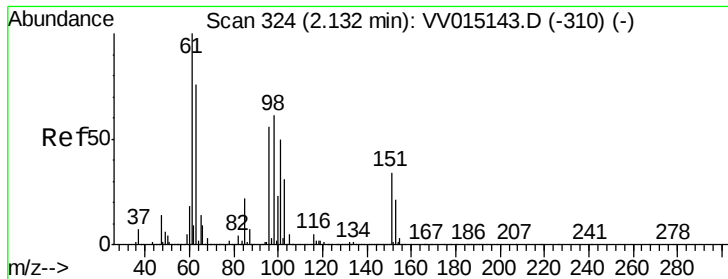
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.763 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015148.D

Acq: 25 Mar 2020 20:55

Instrument :

MSVOA_V

ClientSampleId :

C0DC7

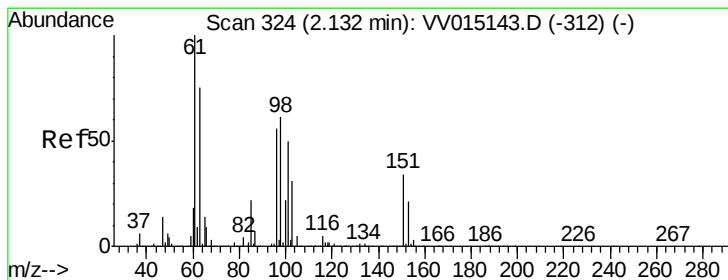
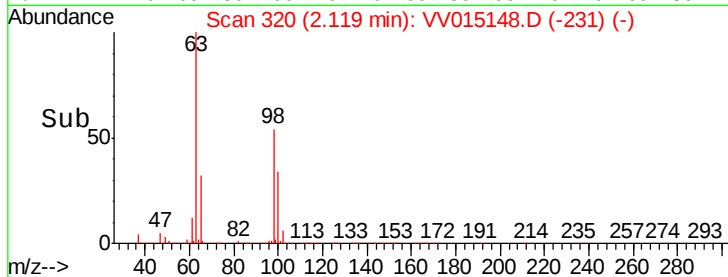
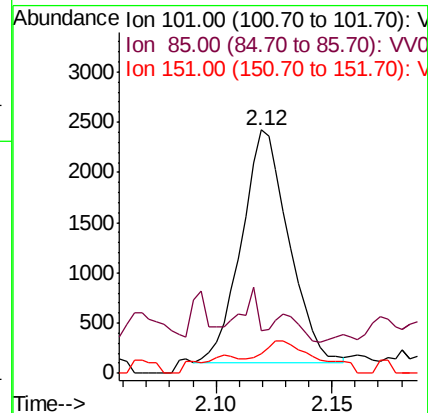
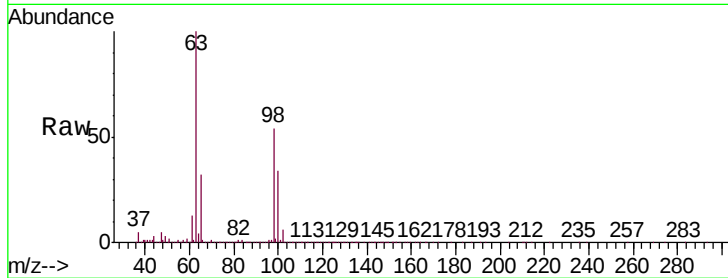
Tgt Ion:101 Resp: 3302

Ion Ratio Lower Upper

101 100

85 8.7 36.0 54.0#

151 2.0 56.2 84.2#



#12

1,1-Dichloroethene

Concen: 0.751 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.02 min

Lab File: VV015148.D

Acq: 25 Mar 2020 20:55

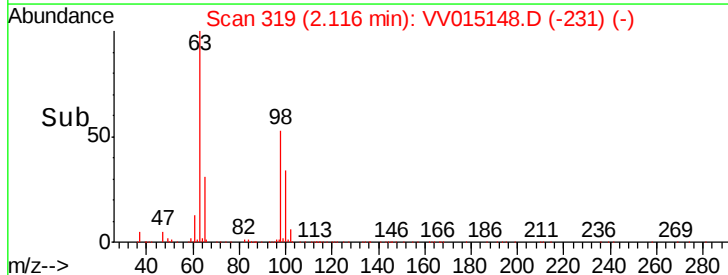
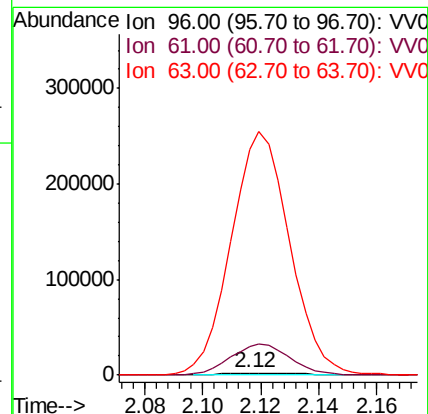
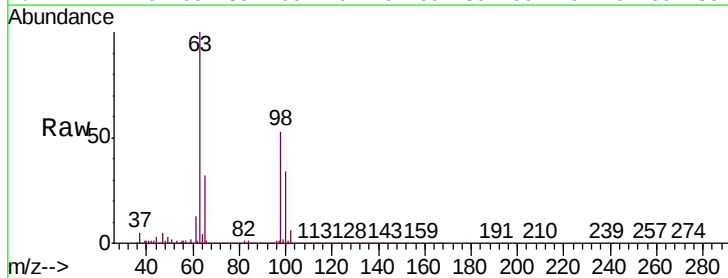
Tgt Ion: 96 Resp: 3133

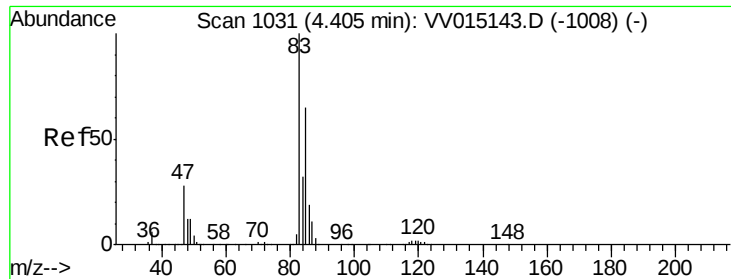
Ion Ratio Lower Upper

96 100

61 1445.1 128.6 238.8#

63 11373.0 97.5 181.1#

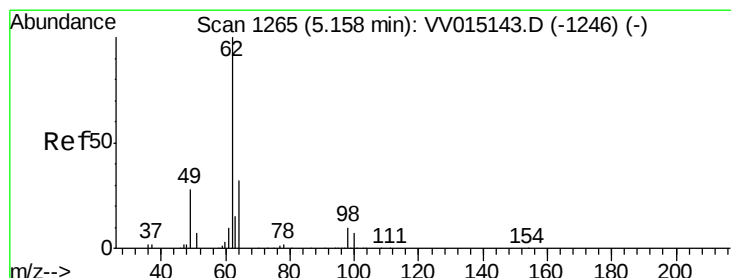
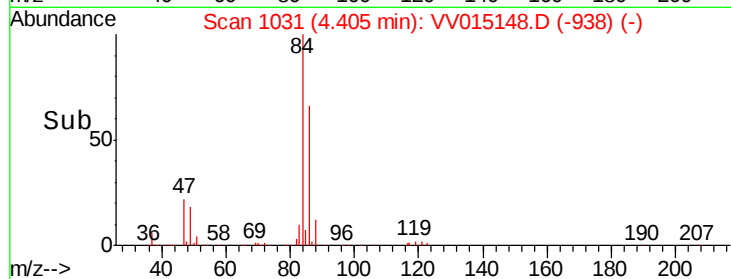
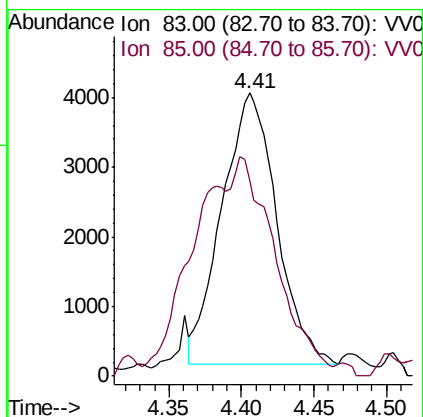
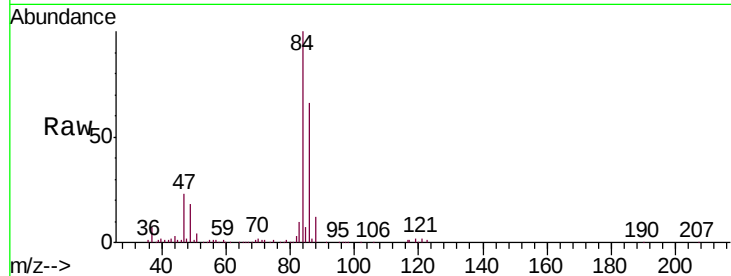




#25
Chloroform
Concen: 1.456 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015148.D
Acq: 25 Mar 2020 20:55

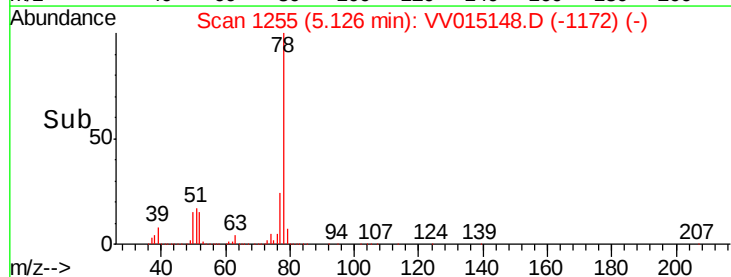
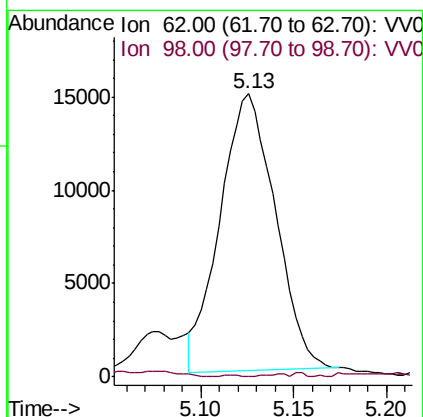
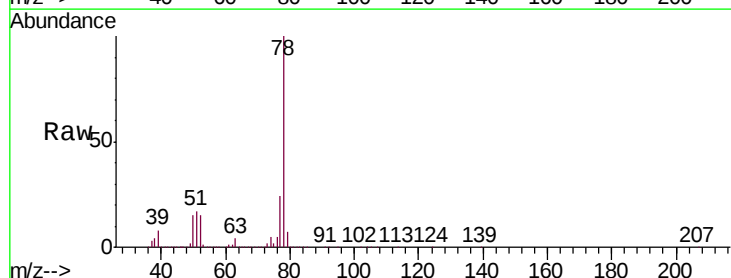
Instrument :
MSVOA_V
ClientSampleId :
C0DC7

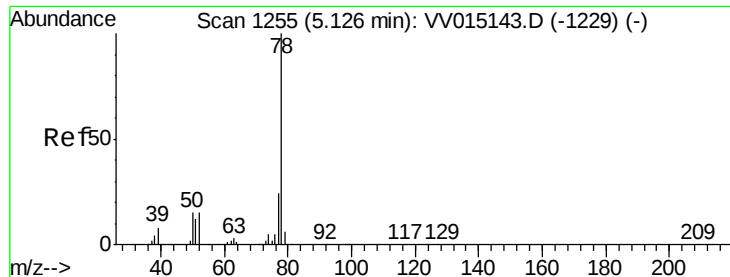
Tgt Ion: 83 Resp: 10241
Ion Ratio Lower Upper
83 100
85 68.9 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.645 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV015148.D
Acq: 25 Mar 2020 20:55

Tgt Ion: 62 Resp: 30767
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#





#33

Benzene

Concen: 242.375 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015148.D

Acq: 25 Mar 2020 20:55

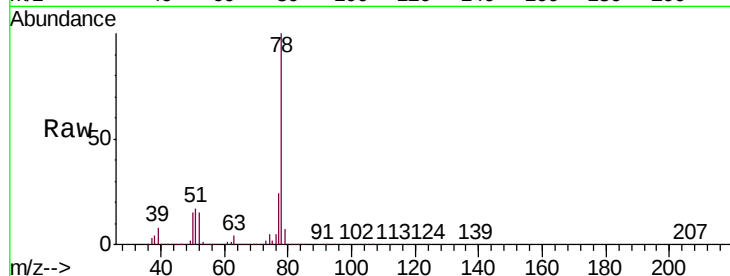
Instrument :

MSVOA_V

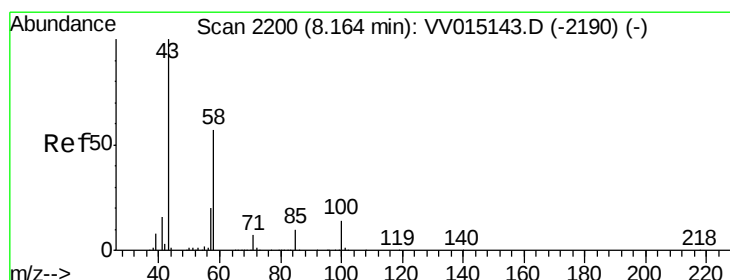
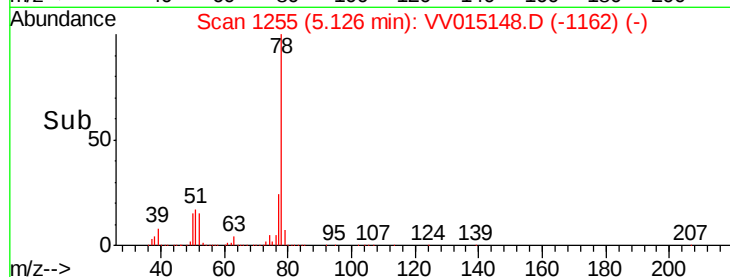
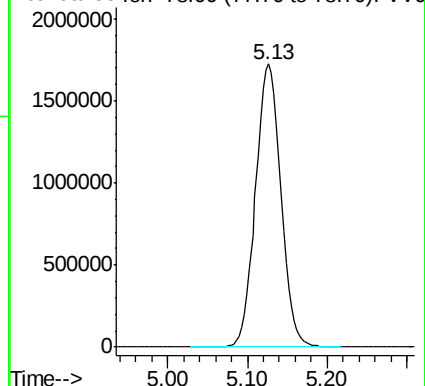
ClientSampleId :

C0DC7

Tgt Ion: 78 Resp: 3739713



Abundance Ion 78.00 (77.70 to 78.70): VV0



#48

2-Hexanone

Concen: 6.574 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV015148.D

Acq: 25 Mar 2020 20:55

Tgt Ion: 43 Resp: 29580

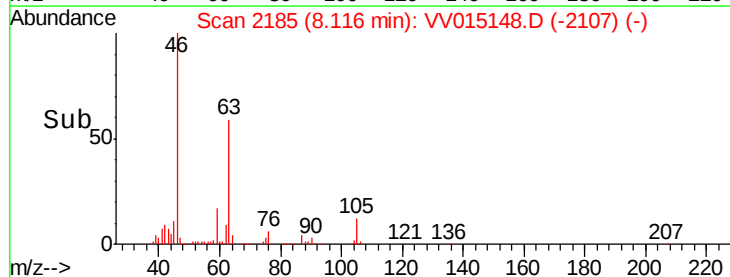
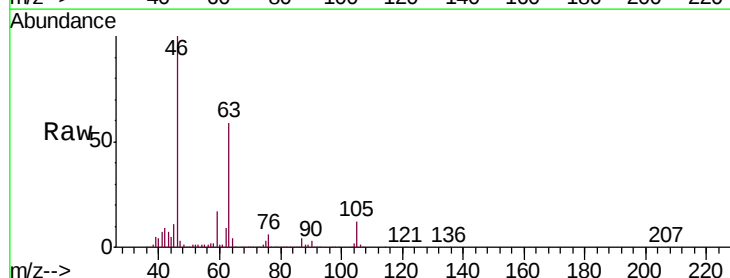
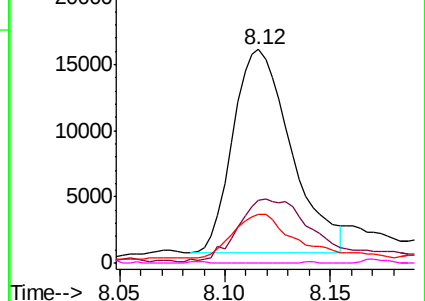
Ion	Ratio	Lower	Upper
43	100		
58	36.9	47.0	70.6#
57	23.2	16.5	24.7
100	0.2	10.9	16.3#

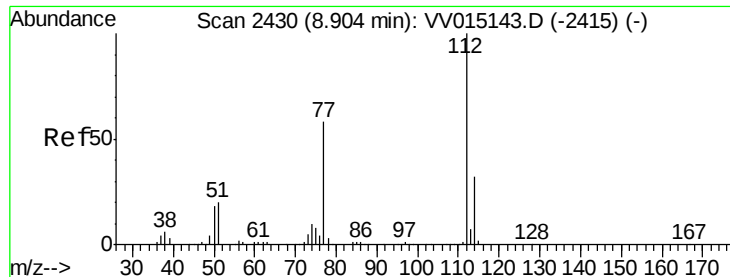
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#51

Chlorobenzene

Concen: 303.316 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015148.D

Acq: 25 Mar 2020 20:55

Instrument :
MSVOA_V
ClientSampleId :
C0DC7

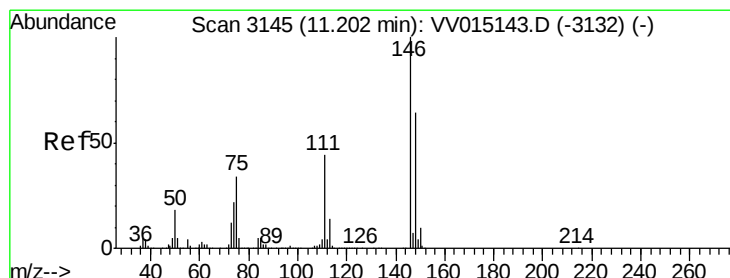
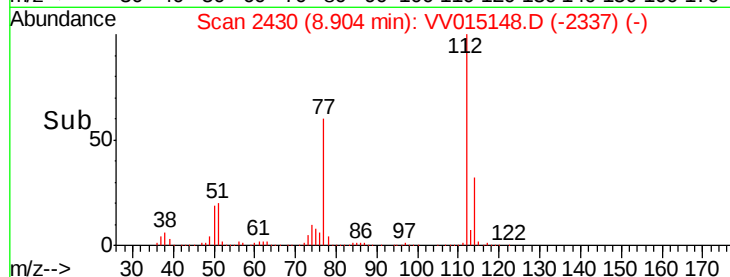
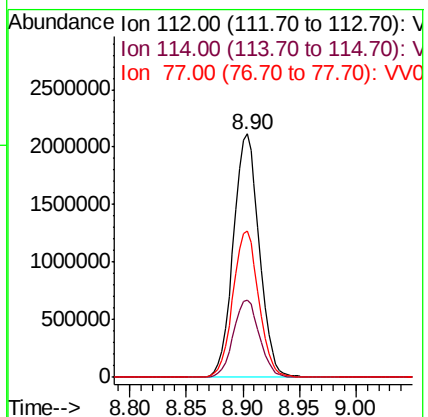
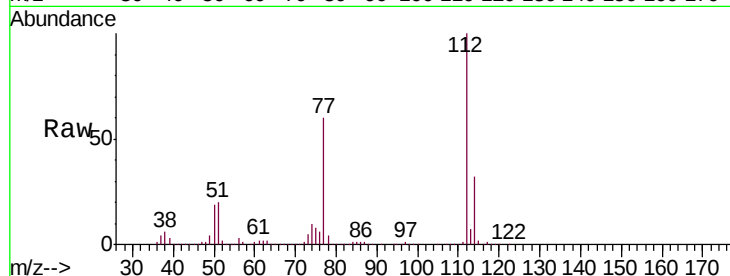
Tgt Ion:112 Resp: 3373936

Ion Ratio Lower Upper

112 100

114 31.9 22.0 40.8

77 59.9 47.2 70.8



#62

1,3-Dichlorobenzene

Concen: 7.166 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015148.D

Acq: 25 Mar 2020 20:55

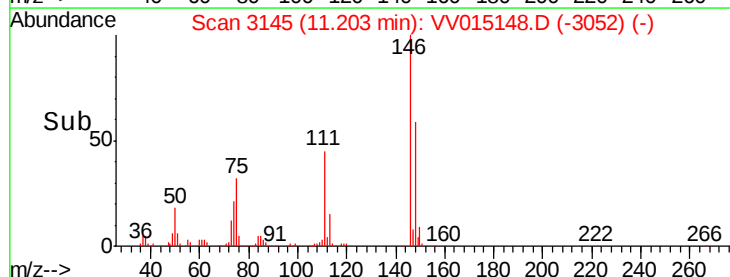
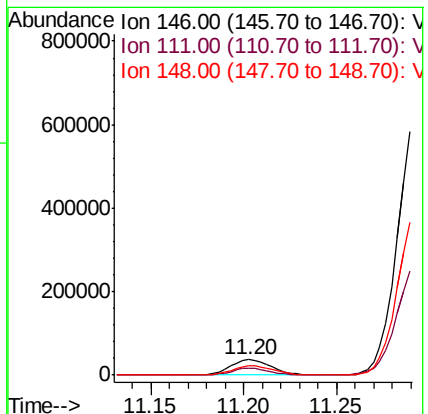
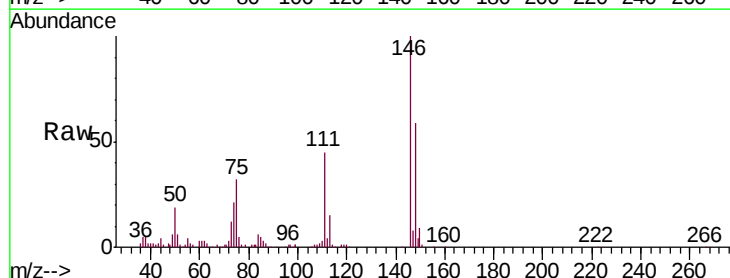
Tgt Ion:146 Resp: 56740

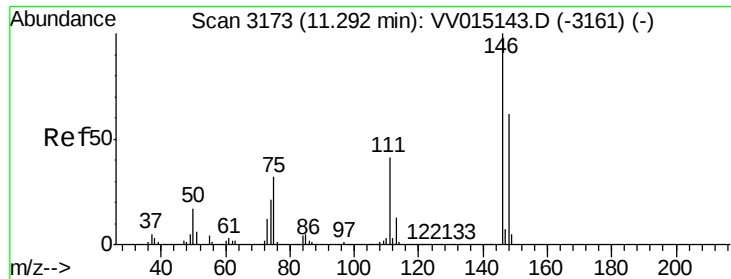
Ion Ratio Lower Upper

146 100

111 44.6 29.3 54.5

148 59.0 44.7 82.9

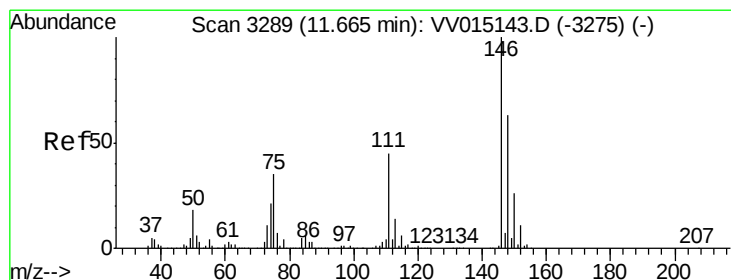
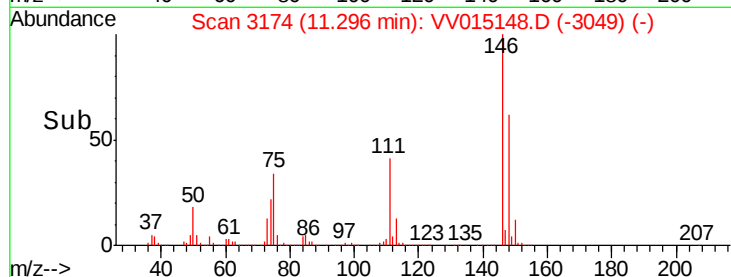
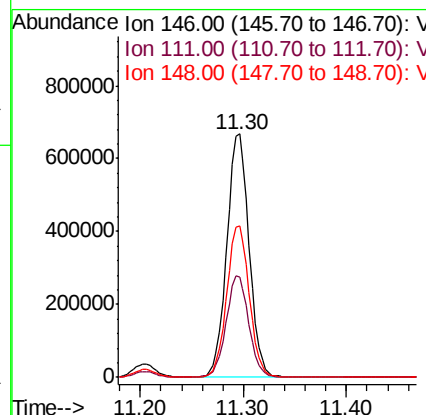
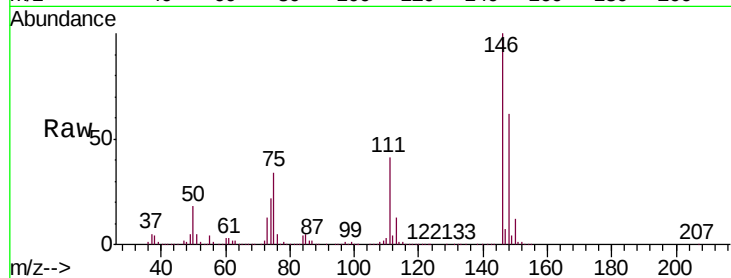




#63
 1,4-Dichlorobenzene
 Concen: 124.088 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015148.D
 Acq: 25 Mar 2020 20:55

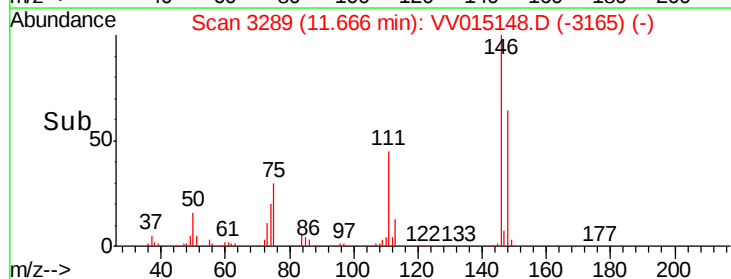
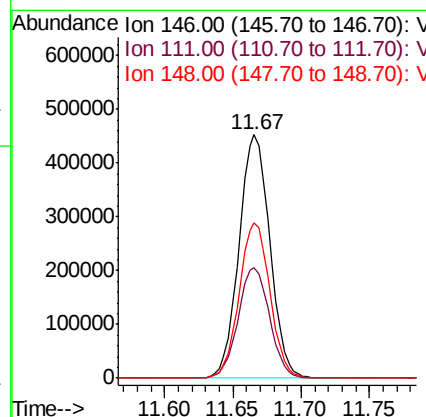
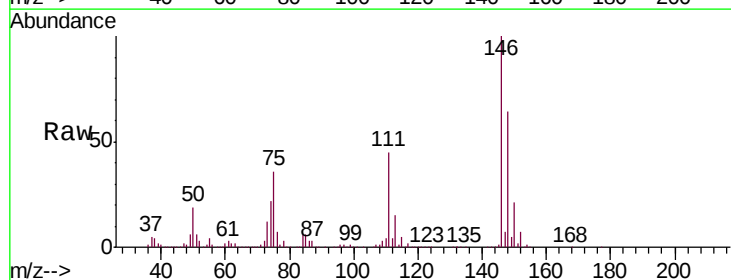
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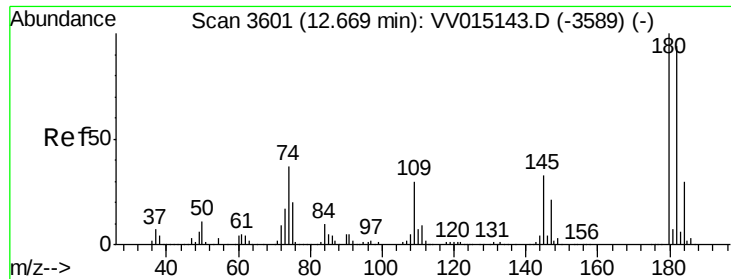
Tgt Ion:146 Resp: 1000961
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.4 52.8
 148 62.1 44.0 81.8



#65
 1,2-Dichlorobenzene
 Concen: 88.897 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015148.D
 Acq: 25 Mar 2020 20:55

Tgt Ion:146 Resp: 710156
 Ion Ratio Lower Upper
 146 100
 111 45.3 35.4 53.2
 148 64.0 49.7 74.5

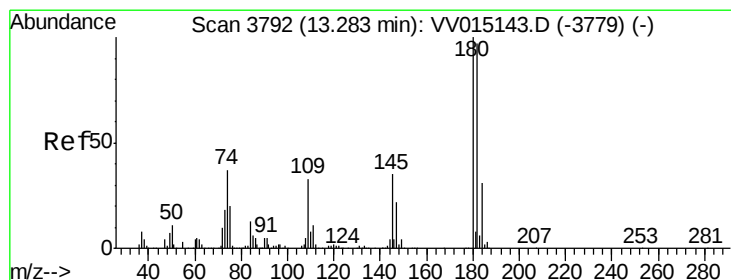
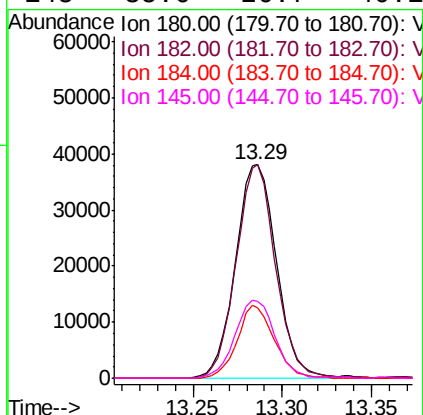
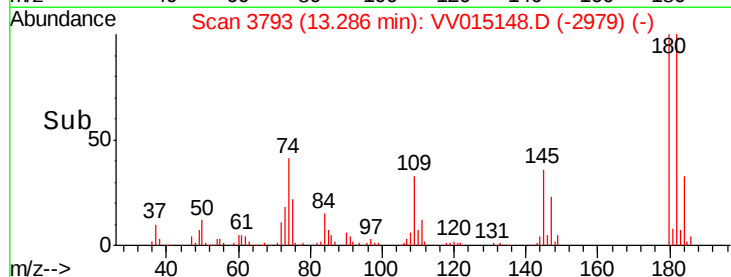
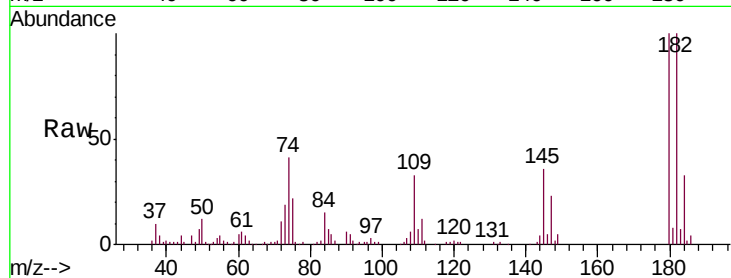




#67
 1,3,5-Trichlorobenzene
 Concen: 11.458 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015148.D
 Acq: 25 Mar 2020 20:55

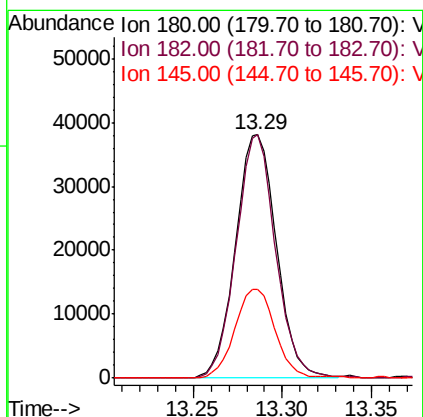
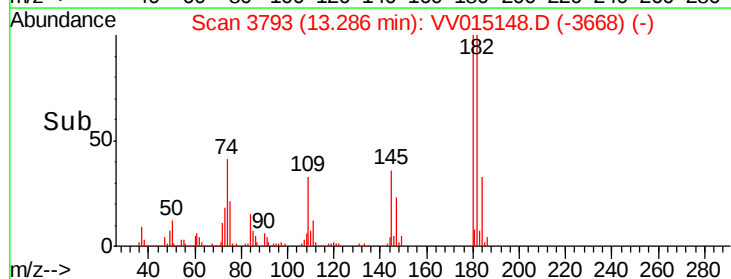
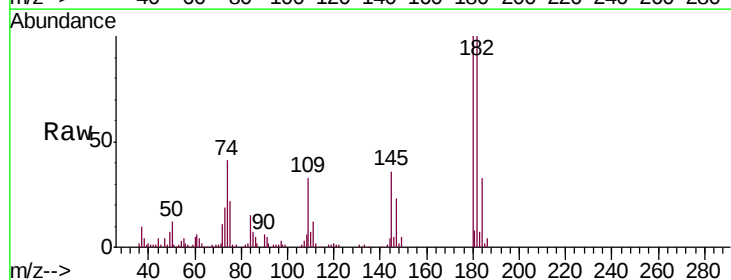
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC7

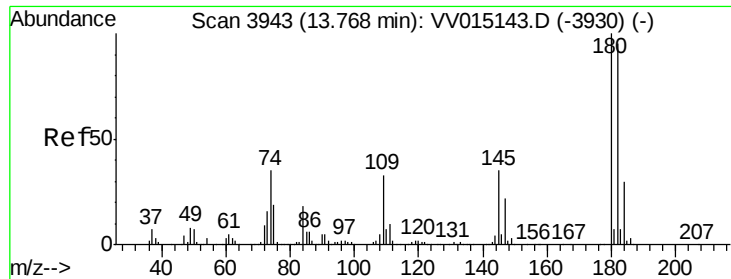
Tgt Ion:	180	Resp:	61137
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
184	30.7	24.4	36.6
145	35.6	26.7	40.1



#68
 1,2,4-trichlorobenzene
 Concen: 12.169 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015148.D
 Acq: 25 Mar 2020 20:55

Tgt Ion:	180	Resp:	61137
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
145	35.6	26.6	40.0

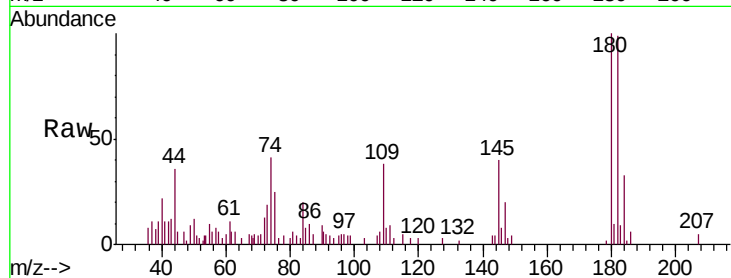




#70
 1,2,3-Trichlorobenzene
 Concen: 1.463 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015148.D
 Acq: 25 Mar 2020 20:55

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC7

Tgt Ion:180 Resp: 7302
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.3 114.5
 145 38.6 29.6 44.4



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

