

Data File : VV009866.D
Acq On : 25 Mar 2019 17:32
Operator : SY/MD
Sample : K2016-20DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09F0

Quant Time: Mar 26 07:17:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:13:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	173773	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176346	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78316	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82679	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.20%
7) Chloroethane-d5	1.56	69	94610	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.78%
11) 1,1-Dichloroethene-d2	2.12	63	176385	33.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.44%
21) 2-Butanone-d5	3.93	46	75026	94.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.73%
24) Chloroform-d	4.40	84	110128	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
26) 1,2-Dichloroethane-d4	5.08	65	76975	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
32) Benzene-d6	5.10	84	235115	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
36) 1,2-Dichloropropane-d6	6.12	67	69997	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.80%
41) Toluene-d8	7.36	98	207150	44.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.38%
43) trans-1,3-Dichloropropene-	7.66	79	28597	42.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.80%
47) 2-Hexanone-d5	8.14	63	54757	90.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.47%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	100987	42.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.28%
64) 1,2-Dichlorobenzene-d4	11.68	152	81977	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2059	0.772	ug/L #	26
12) 1,1-Dichloroethene	2.13	96	1707	0.723	ug/L #	1
13) Acetone	2.19	43	950	1.007	ug/L	96
39) cis-1,3-Dichloropropene	7.03	75	2550	1.337	ug/L #	68
44) trans-1,3-Dichloropropene	7.66	75	2263	1.277	ug/L #	81
51) Chlorobenzene	8.93	112	153106	39.254	ug/L	99
59) 1,2,3-Trichloropropane	11.30	75	13894	7.775	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	18446	6.876	ug/L	93
63) 1,4-Dichlorobenzene	11.32	146	49404	17.565	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	274604	96.892	ug/L	96
67) 1,3,5-Trichlorobenzene	13.31	180	84030	45.910	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	84030	57.622	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	22232	15.070	ug/L	98

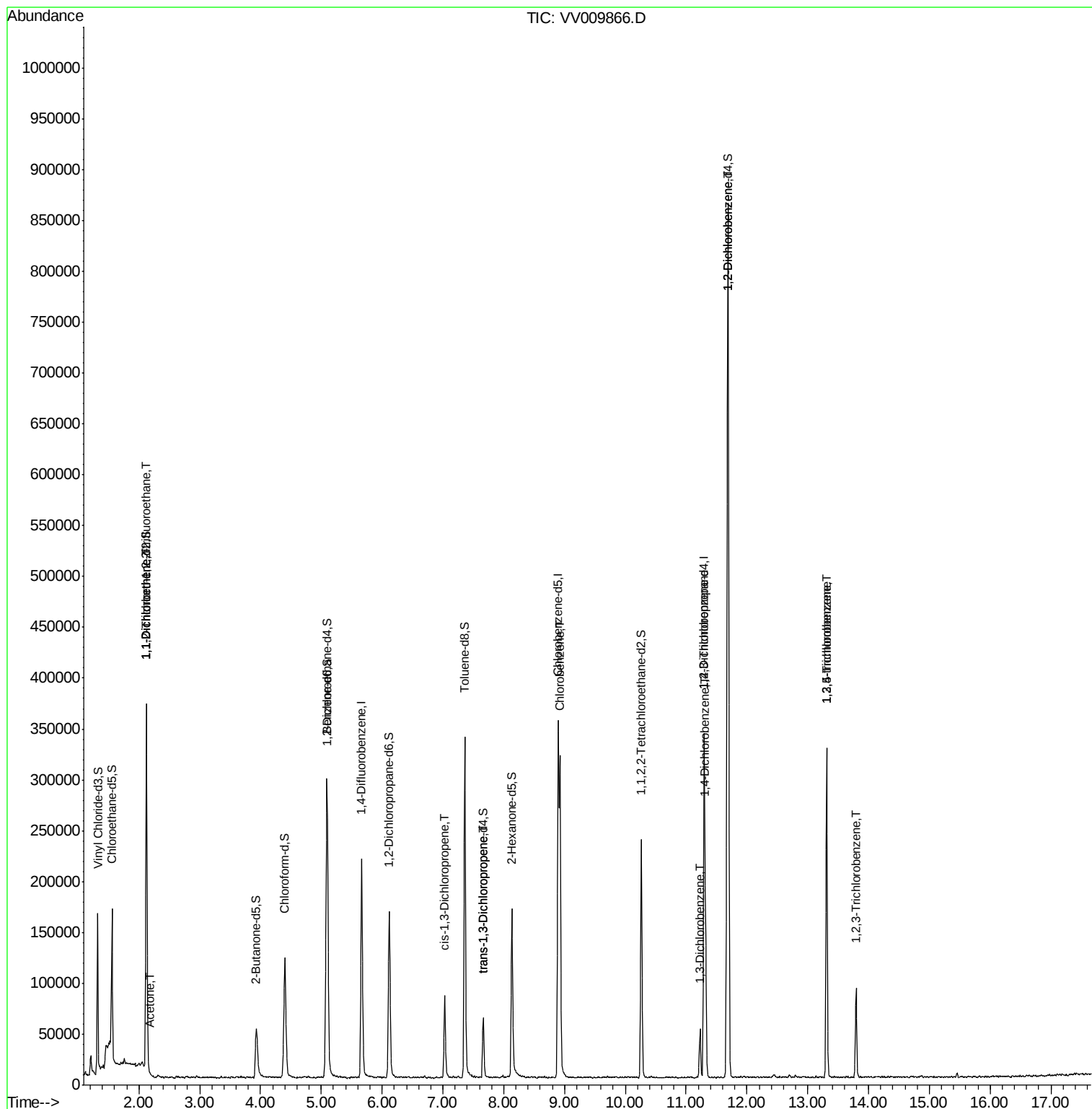
(#) = qualifier out of range (m) = manual integration (+) = signals summed

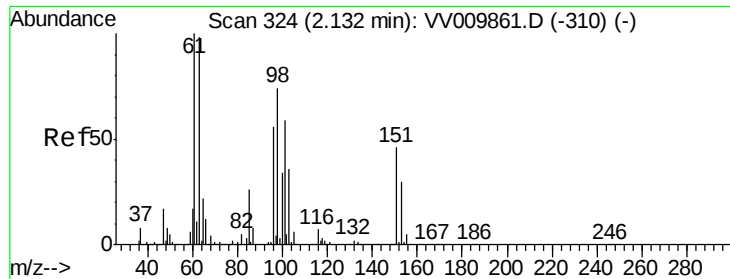
Data File : VV009866.D

```
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Response via : Initial Calibration





#10

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

Concen: 0.772 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

Instrument :

MSVOA_V

ClientSampleId :

C09F0

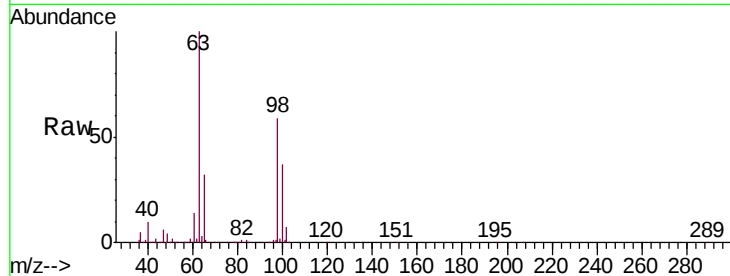
Tgt Ion: 101 Resp: 2059

Ion Ratio Lower Upper

101 100

85 3.3 37.0 55.4#

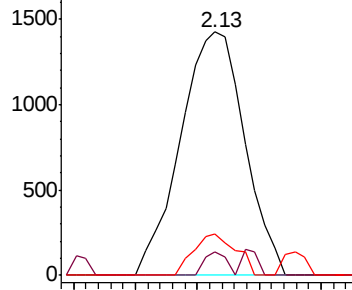
151 11.2 65.4 98.2#



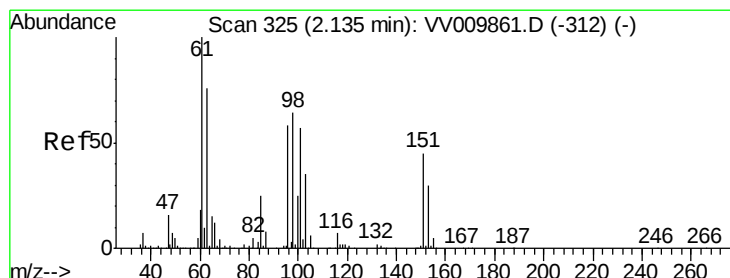
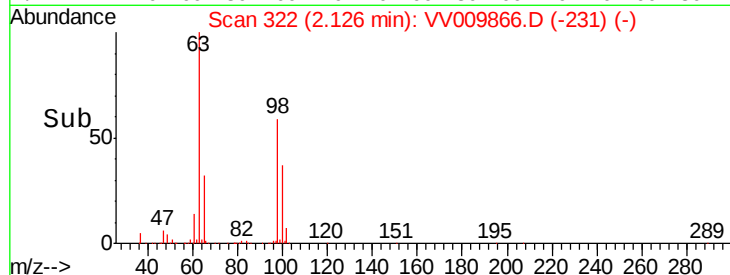
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.723 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

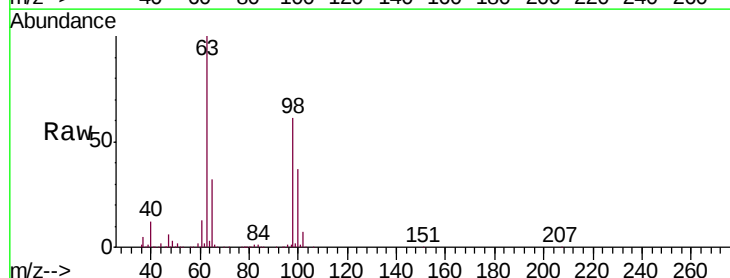
Tgt Ion: 96 Resp: 1707

Ion Ratio Lower Upper

96 100

61 1432.7 125.3 232.7#

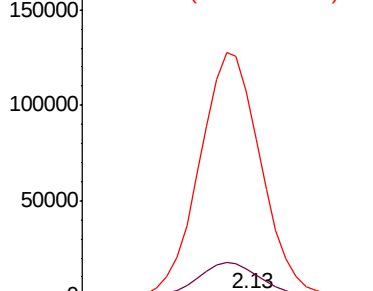
63 10613.0 109.7 203.7#



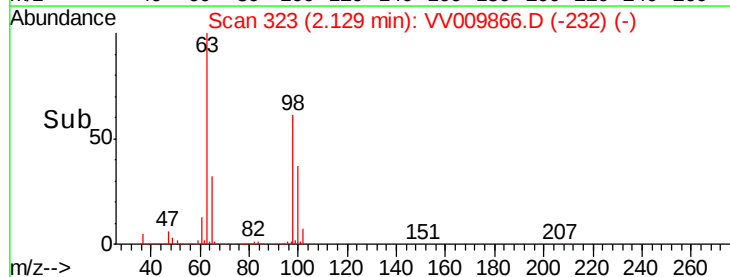
Abundance Ion 96.00 (95.70 to 96.70): VV0

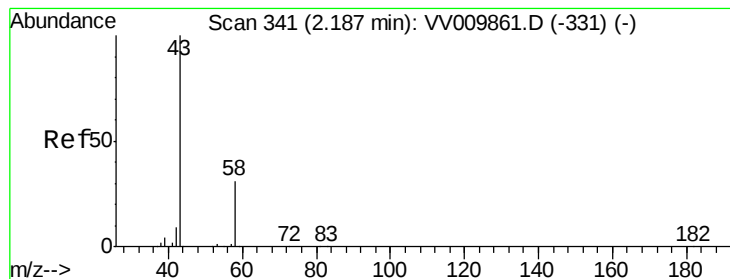
Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



Time-->





#13

Acetone

Concen: 1.007 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

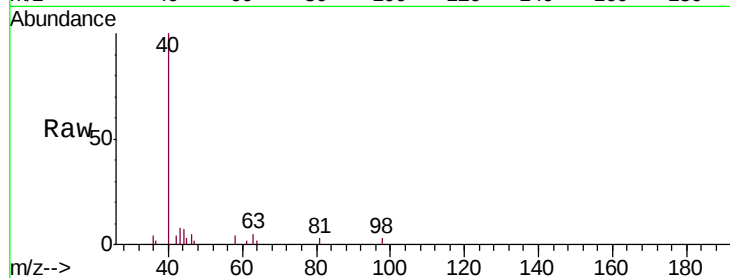
Instrument :
MSVOA_V
ClientSampleId :
C09F0

Tgt Ion: 43 Resp: 950

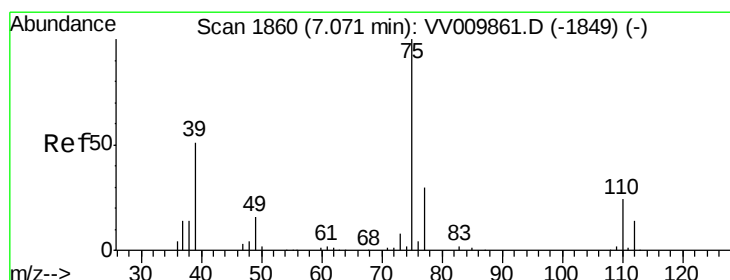
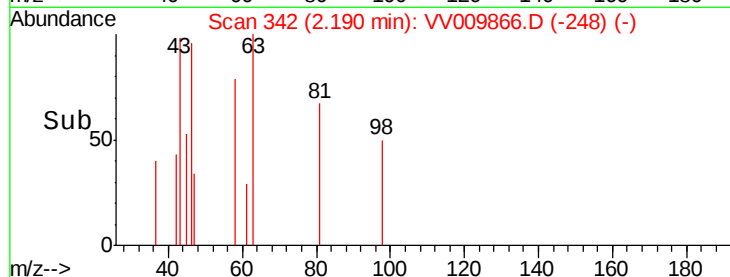
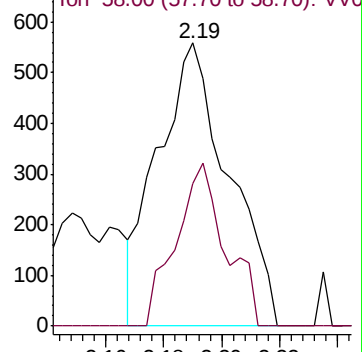
Ion Ratio Lower Upper

43 100

58 34.9 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV009861.D (-331) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.337 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009866.D

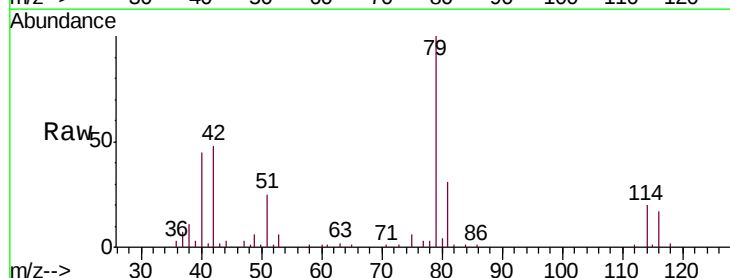
Acq: 25 Mar 2019 17:32

Tgt Ion: 75 Resp: 2550

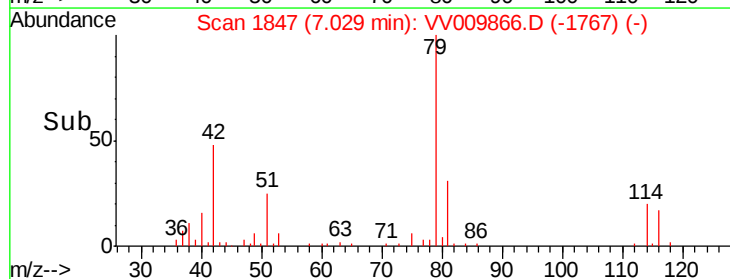
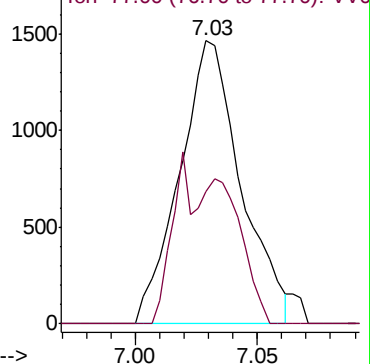
Ion Ratio Lower Upper

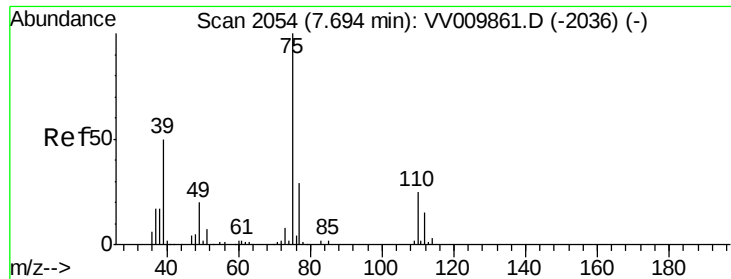
75 100

77 46.5 20.5 38.1#



Abundance Ion 75.00 (74.70 to 75.70): VV009861.D (-1849) (-)





#44

trans-1,3-Dichloropropene

Concen: 1.277 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

Instrument :

MSVOA_V

ClientSampleId :

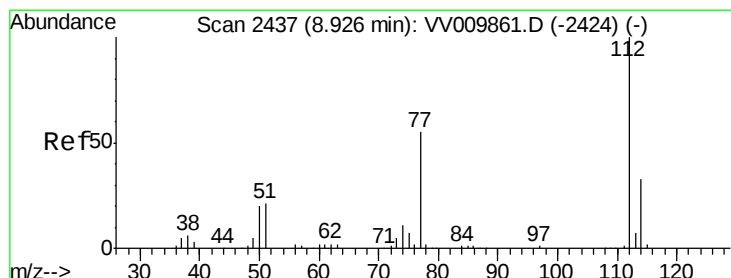
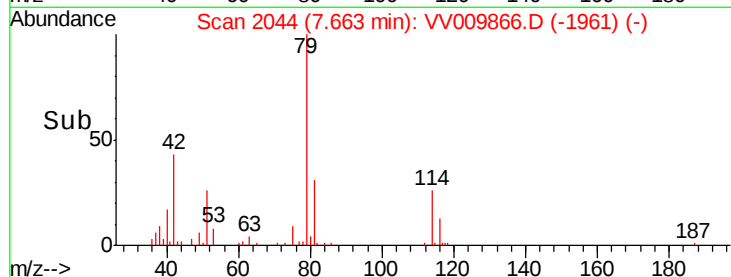
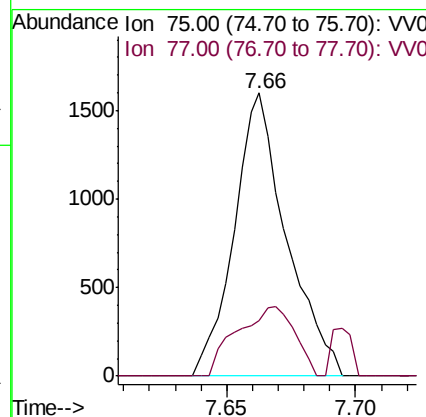
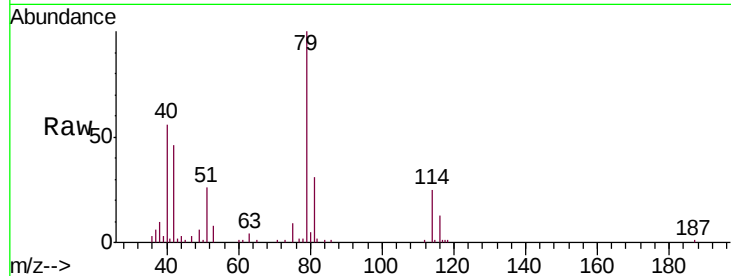
C09F0

Tgt Ion: 75 Resp: 2263

Ion Ratio Lower Upper

75 100

77 19.4 20.7 38.5#



#51

Chlorobenzene

Concen: 39.254 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

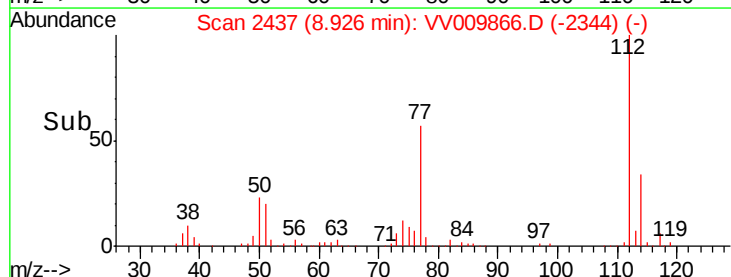
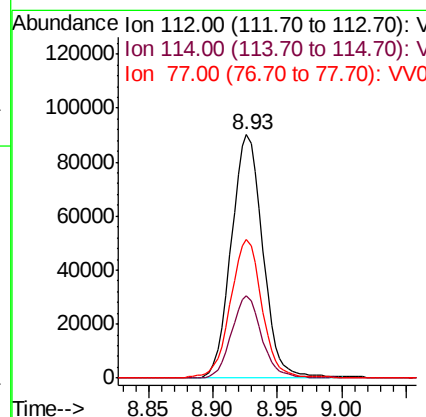
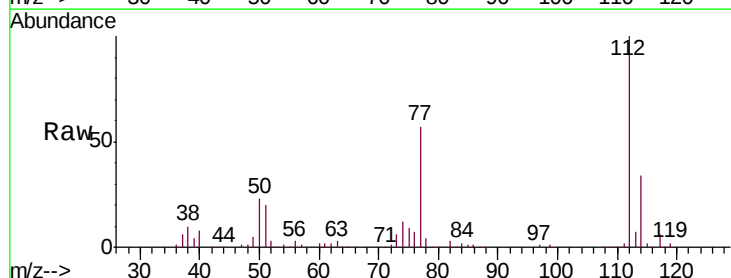
Tgt Ion: 112 Resp: 153106

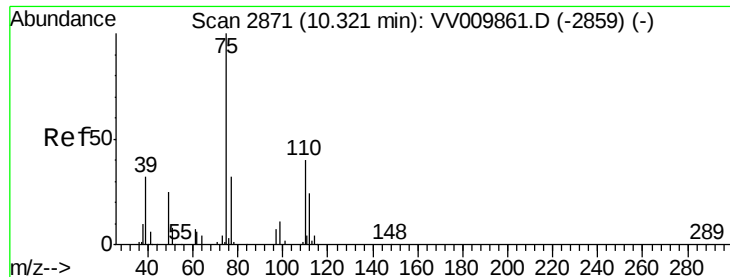
Ion Ratio Lower Upper

112 100

114 33.8 23.3 43.3

77 56.8 45.8 68.6

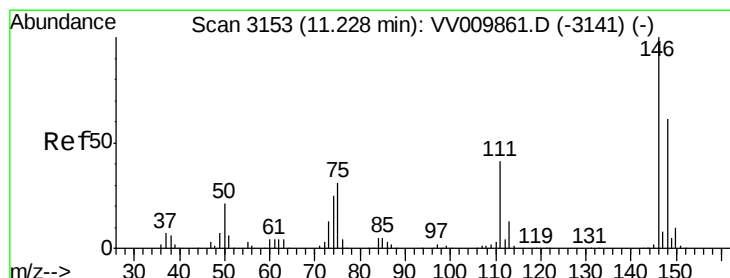
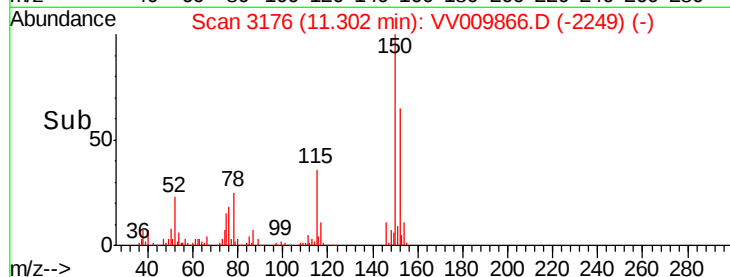
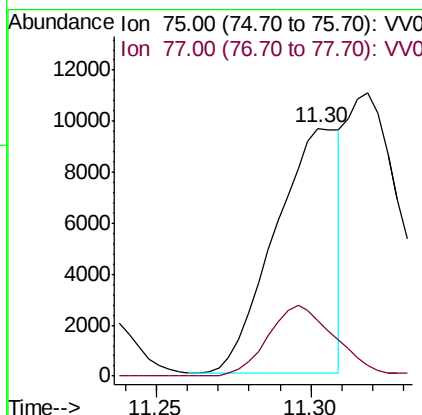
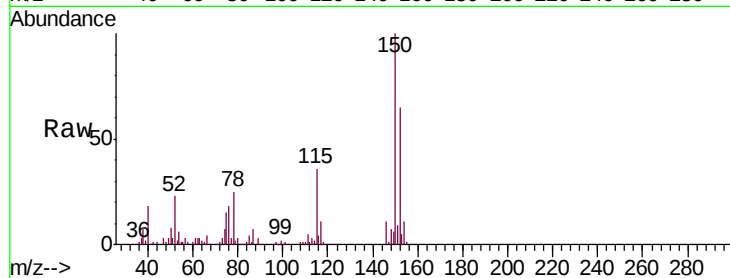




#59
 1,2,3-Trichloropropane
 Concen: 7.775 ug/L
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.98 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

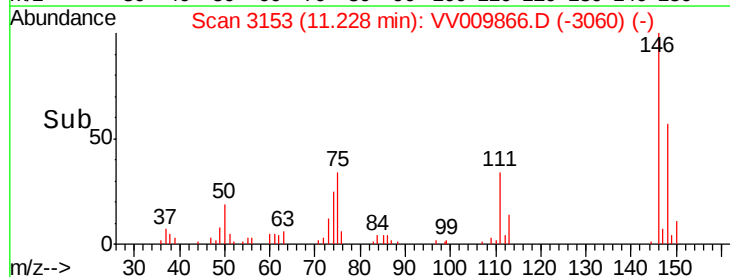
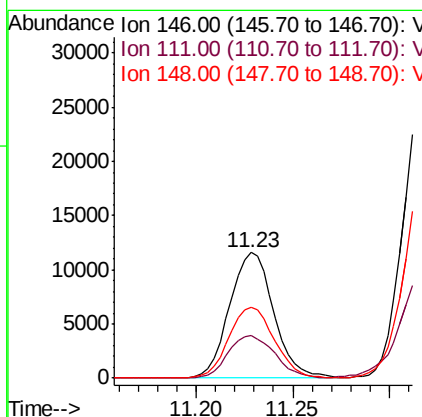
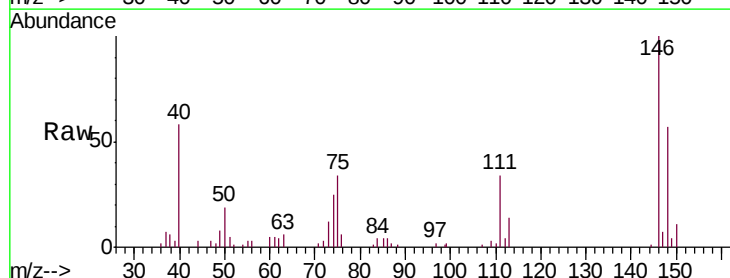
Instrument :
 MSVOA_V
 ClientSampled :
 C09F0

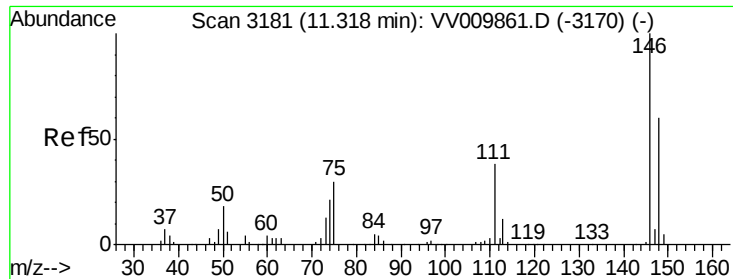
Tgt Ion: 75 Resp: 13894
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.4 38.0



#62
 1,3-Dichlorobenzene
 Concen: 6.876 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

Tgt Ion: 146 Resp: 18446
 Ion Ratio Lower Upper
 146 100
 111 33.8 27.5 51.1
 148 57.0 43.0 80.0

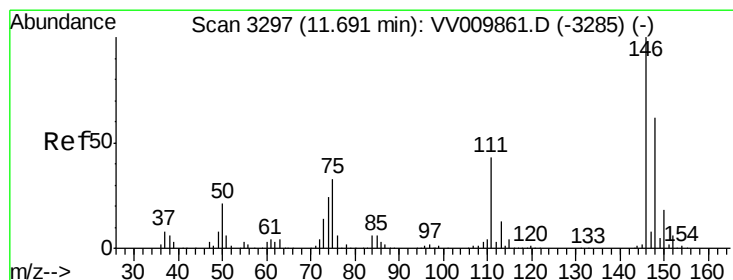
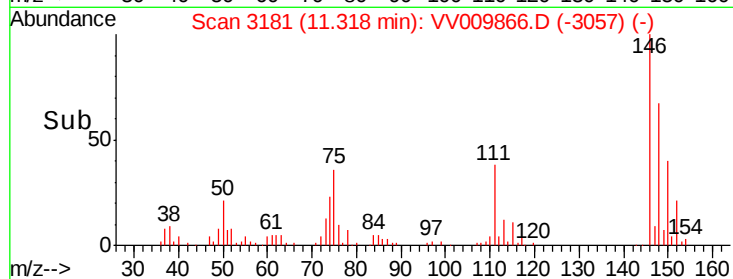
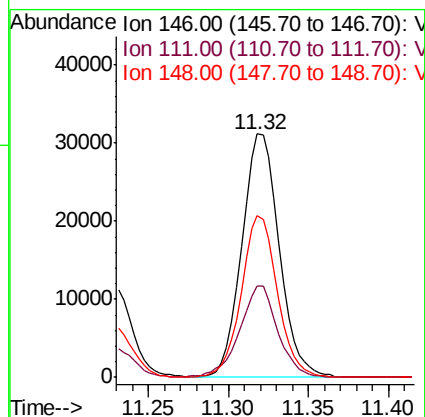
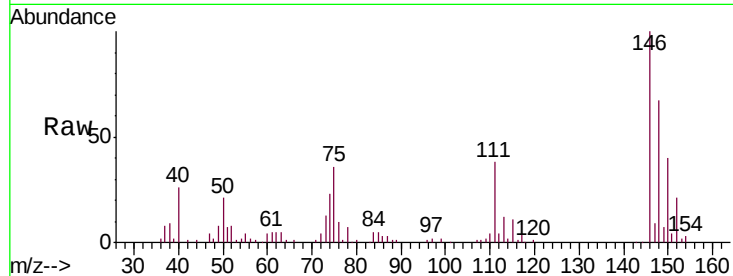




#63
 1,4-Dichlorobenzene
 Concen: 17.565 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

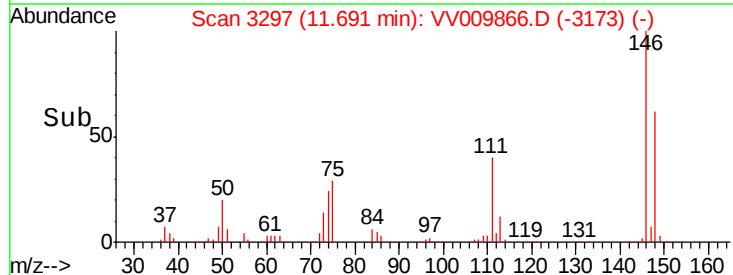
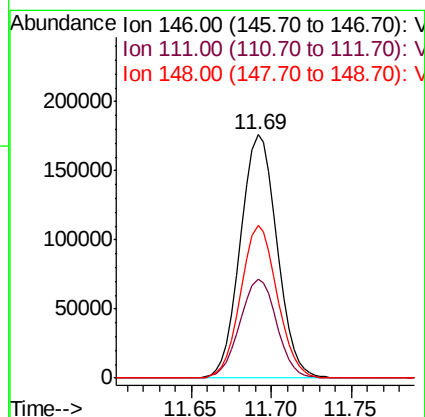
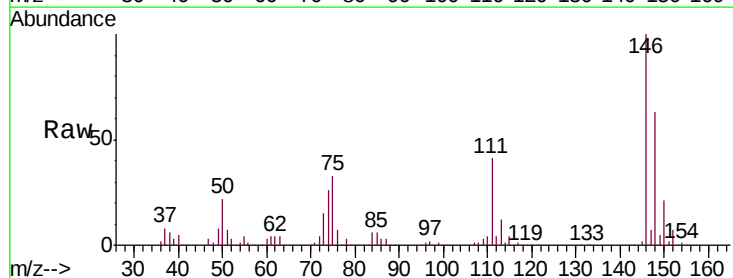
Instrument :
 MSVOA_V
 ClientSampleId :
 C09F0

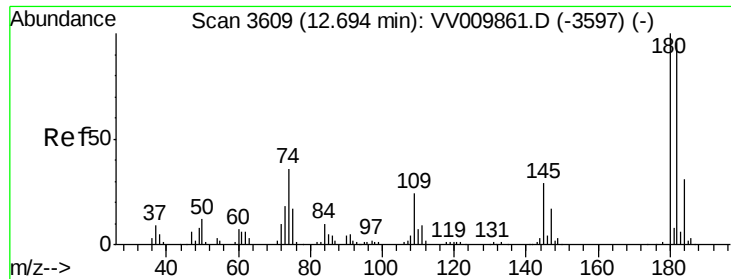
Tgt Ion:146 Resp: 49404
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.5 49.3
 148 66.6 43.2 80.2



#65
 1,2-Dichlorobenzene
 Concen: 96.892 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

Tgt Ion:146 Resp: 274604
 Ion Ratio Lower Upper
 146 100
 111 40.5 33.0 49.6
 148 62.6 53.2 79.8

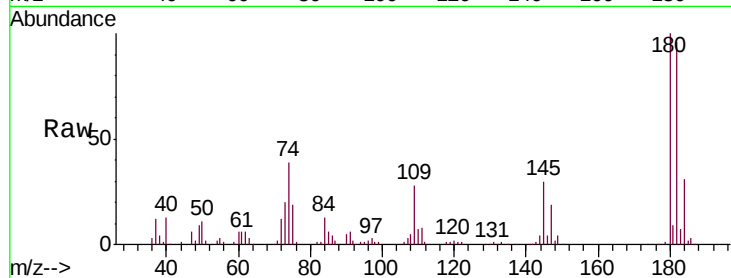




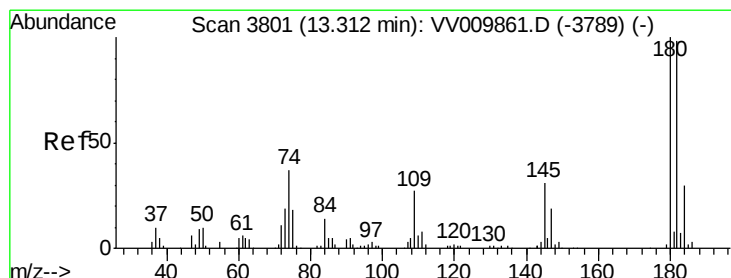
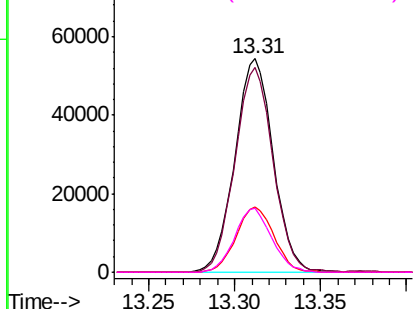
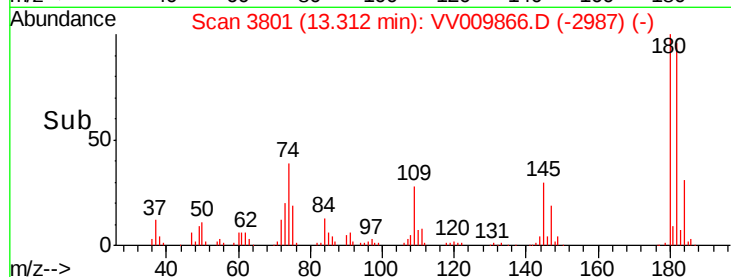
#67
 1,3,5-Trichlorobenzene
 Concen: 45.910 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

Instrument :
 MSVOA_V
 ClientSampleId :
 C09F0

Tgt Ion:180 Resp: 84030
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.6
 184 30.0 24.1 36.1
 145 29.2 24.2 36.4

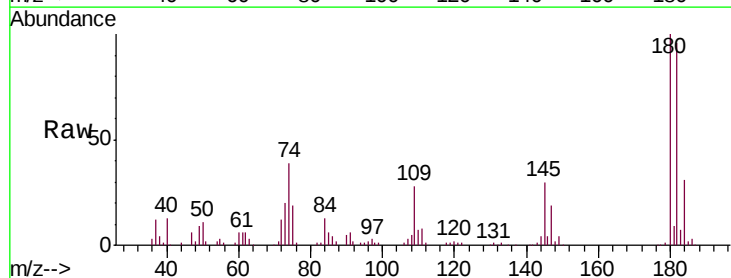


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

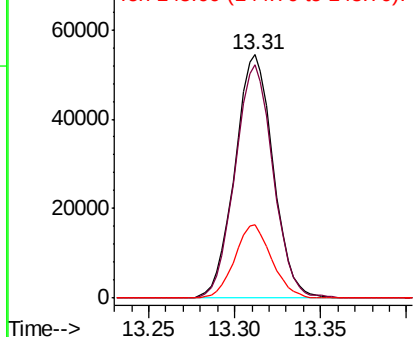
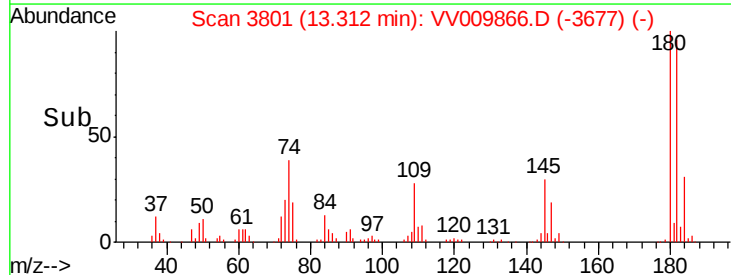


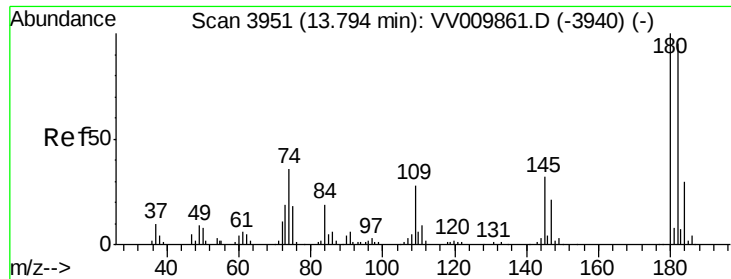
#68
 1,2,4-trichlorobenzene
 Concen: 57.622 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

Tgt Ion:180 Resp: 84030
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.1 115.7
 145 29.2 24.3 36.5



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

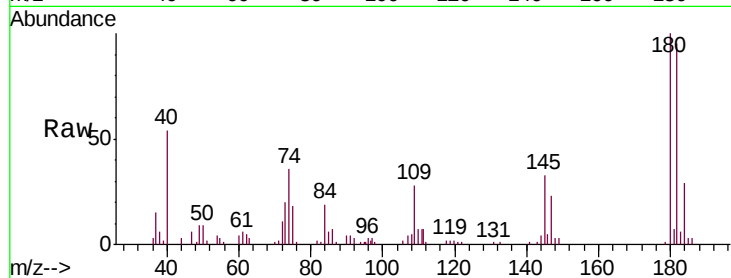




#70
 1,2,3-Trichlorobenzene
 Concen: 15.070 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

Instrument :
 MSVOA_V
 ClientSampleId :
 C09F0

Tgt Ion:180 Resp: 22232
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.6 113.4
 145 31.4 24.8 37.2



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

