

Data File : VU030436.D
Acq On : 26 Mar 2019 12:00
Operator : JC/SP
Sample : K2016-12DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0989DL

Quant Time: Mar 27 04:33:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	456278	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	433062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	179362	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	189094	51.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.00%
7) Chloroethane-d5	1.67	69	152092	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.52%
11) 1,1-Dichloroethene-d2	2.27	63	264717	38.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.00%
21) 2-Butanone-d5	4.17	46	335592	97.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.22%
24) Chloroform-d	4.65	84	308676	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
26) 1,2-Dichloroethane-d4	5.31	65	207662	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.32%
32) Benzene-d6	5.34	84	640033	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.08%
36) 1,2-Dichloropropane-d6	6.33	67	226301	53.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.52%
41) Toluene-d8	7.56	98	551111	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%
43) trans-1,3-Dichloropropene-	7.85	79	96168	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.26%
47) 2-Hexanone-d5	8.31	63	210378	91.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	291548	47.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	190274	52.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.88%

Target Compounds

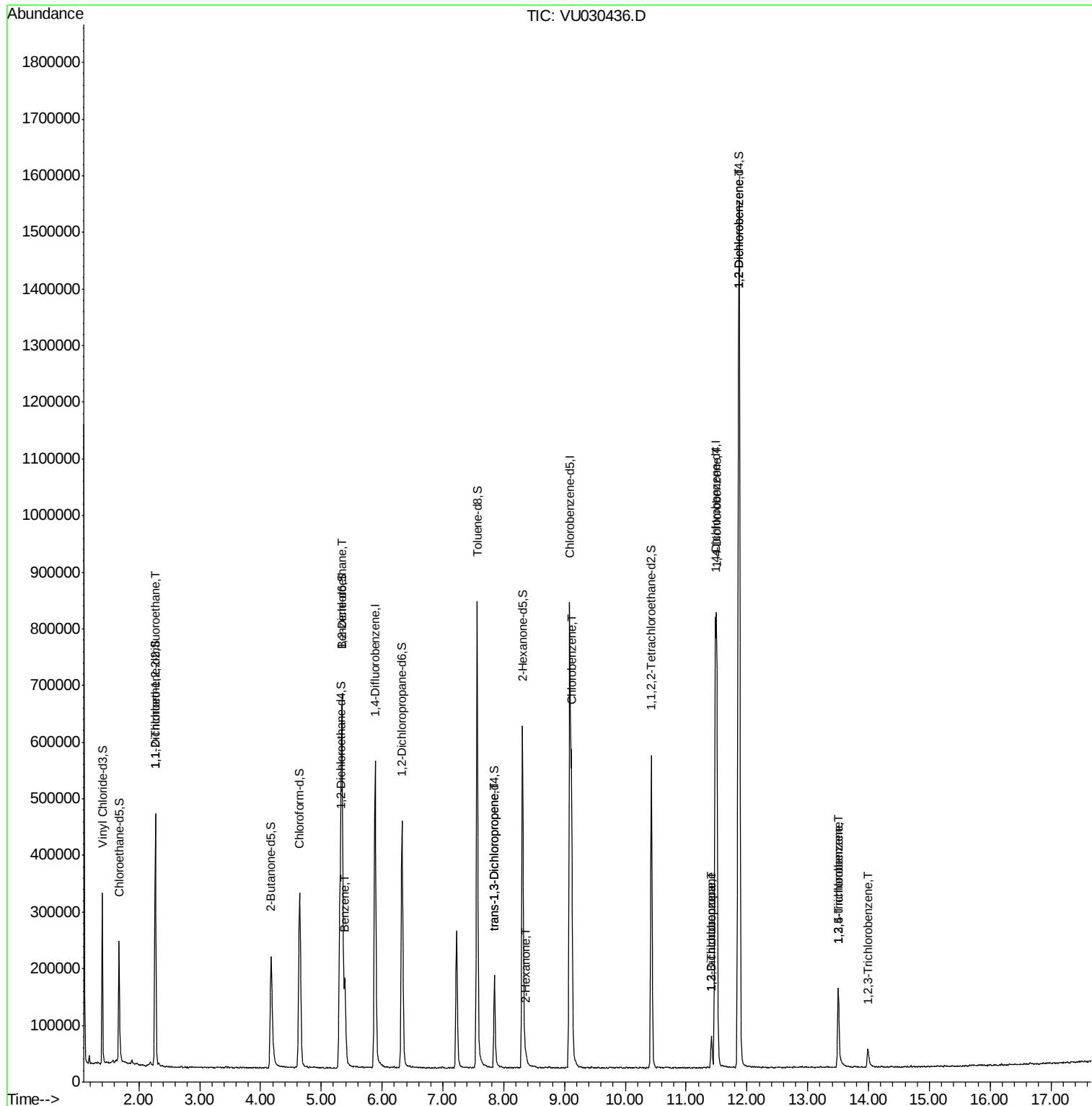
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2182	0.655 ug/L #	21
27) 1,2-Dichloroethane	5.33	62	4174	0.796 ug/L #	75
33) Benzene	5.39	78	150562	10.213 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	4080	0.771 ug/L #	74
48) 2-Hexanone	8.36	43	6003	1.042 ug/L #	53
51) Chlorobenzene	9.12	112	275770	29.741 ug/L	100
59) 1,2,3-Trichloropropane	11.41	75	7605	1.493 ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	22488	3.834 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	279914	46.355 ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	525752	88.644 ug/L	98
67) 1,3,5-Trichlorobenzene	13.50	180	54132	12.328 ug/L	91
68) 1,2,4-trichlorobenzene	13.50	180	54132	14.188 ug/L	89
70) 1,2,3-Trichlorobenzene	13.99	180	14549	3.611 ug/L	87

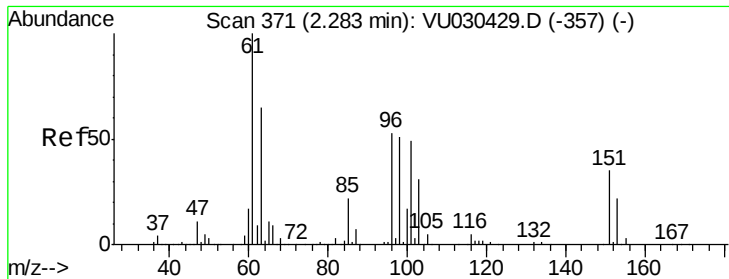
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.655 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

C0989DL

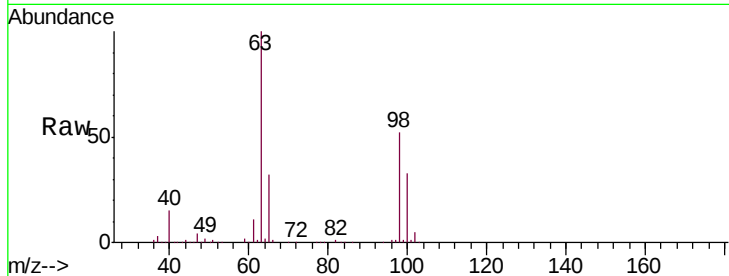
Tgt Ion: 101 Resp: 2182

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

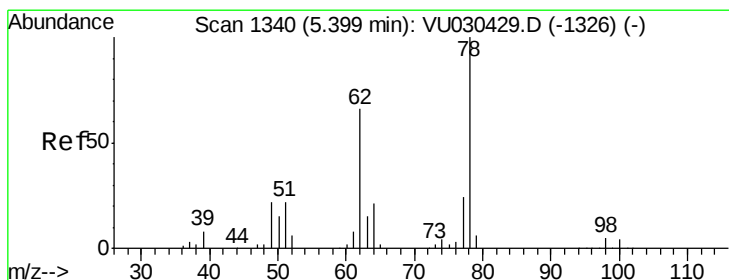
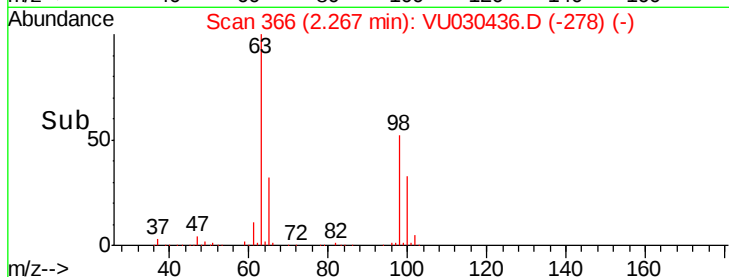
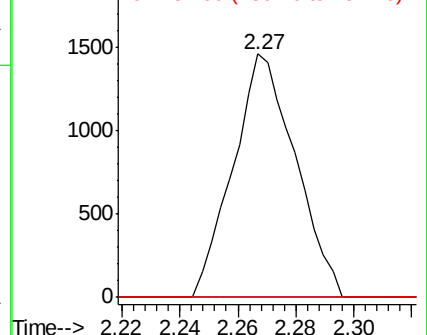
151 0.0 56.6 85.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#27

1,2-Dichloroethane

Concen: 0.796 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU030436.D

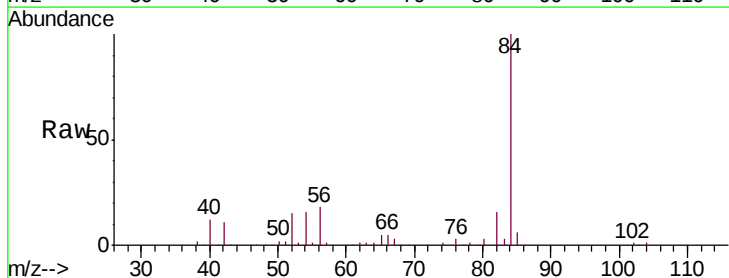
Acq: 26 Mar 2019 12:00

Tgt Ion: 62 Resp: 4174

Ion Ratio Lower Upper

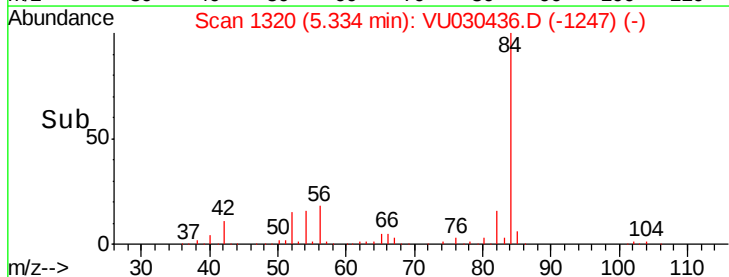
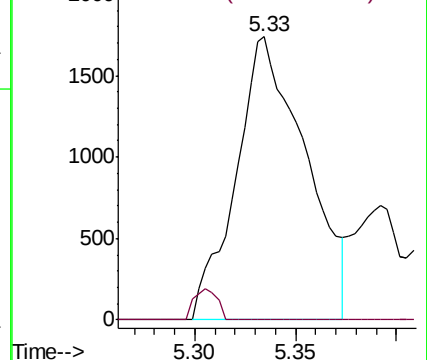
62 100

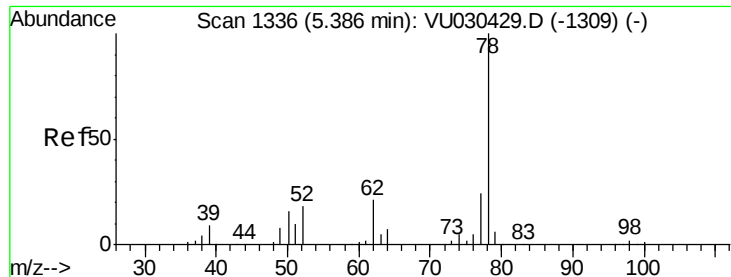
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#33

Benzene

Concen: 10.213 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

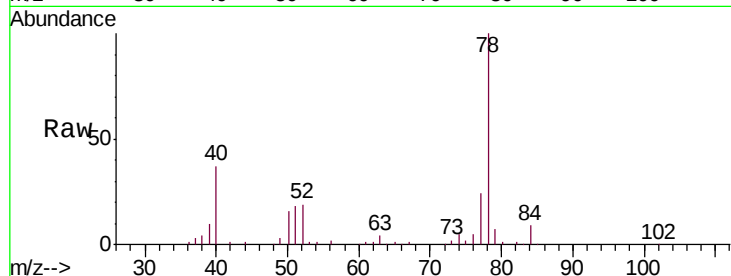
Instrument :

MSVOA_U

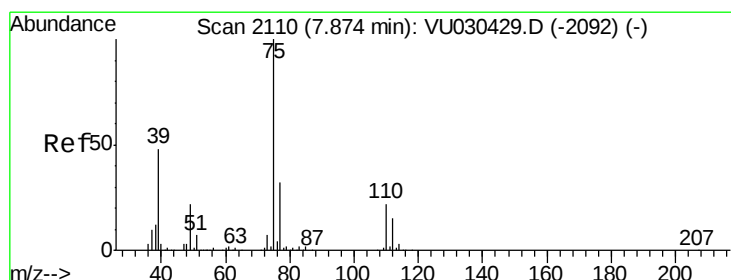
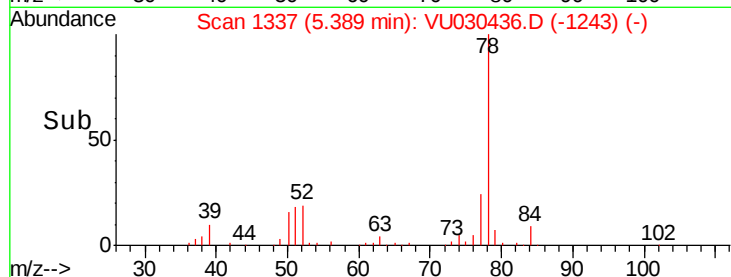
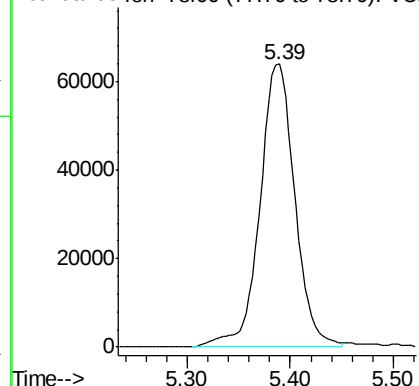
ClientSampleID :

C0989DL

Tgt Ion: 78 Resp: 150562



Abundance Ion 78.00 (77.70 to 78.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.771 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030436.D

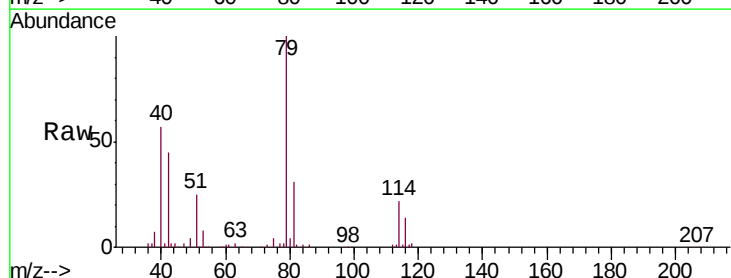
Acq: 26 Mar 2019 12:00

Tgt Ion: 75 Resp: 4080

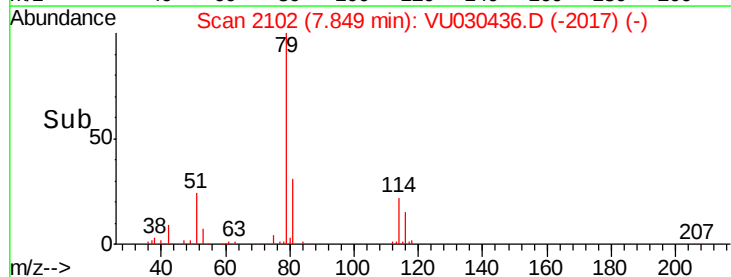
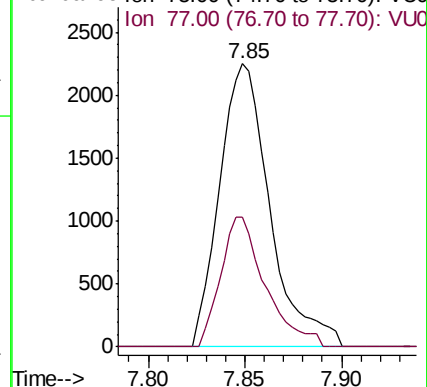
Ion Ratio Lower Upper

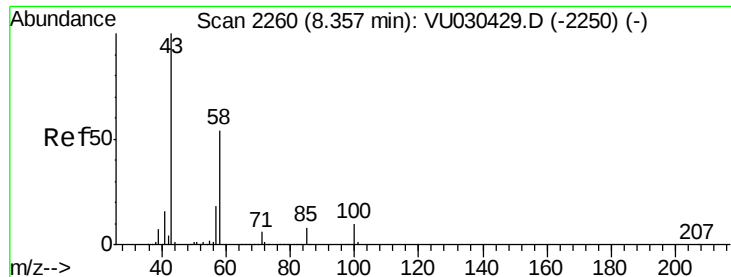
75 100

77 45.8 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VU0

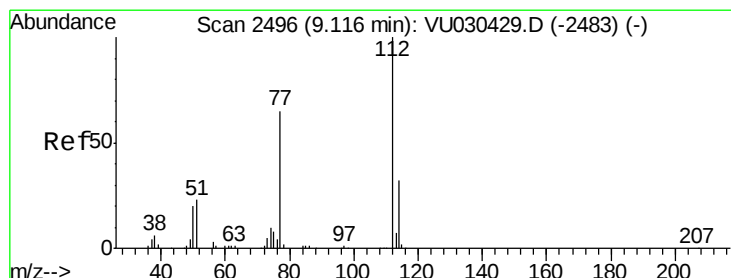
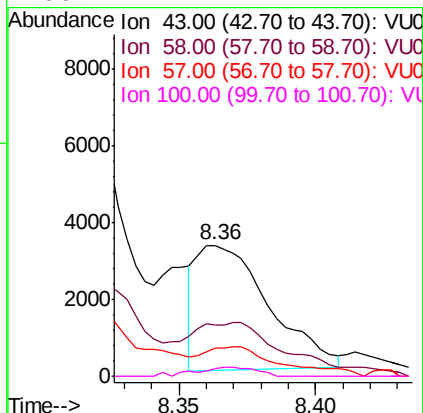
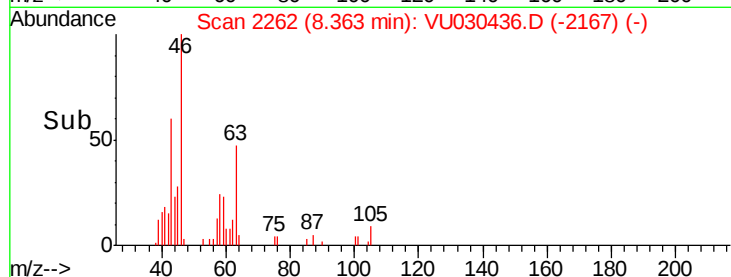
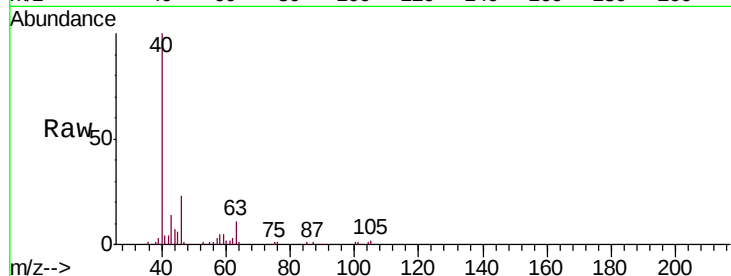




#48
2-Hexanone
Concen: 1.042 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030436.D
Acq: 26 Mar 2019 12:00

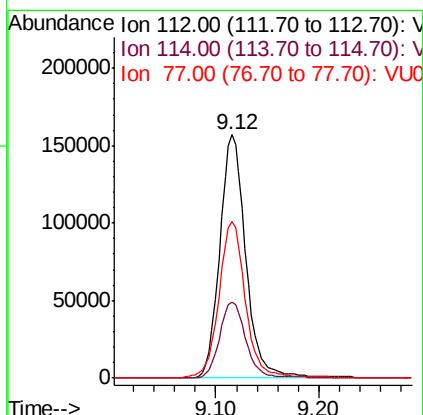
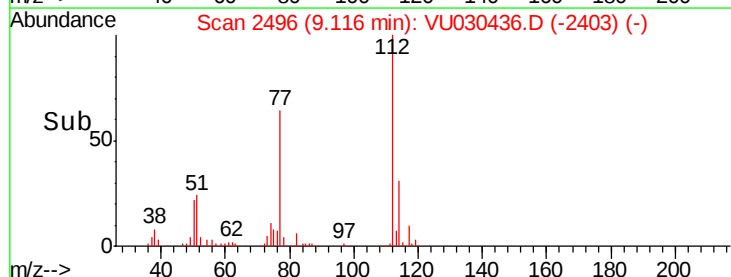
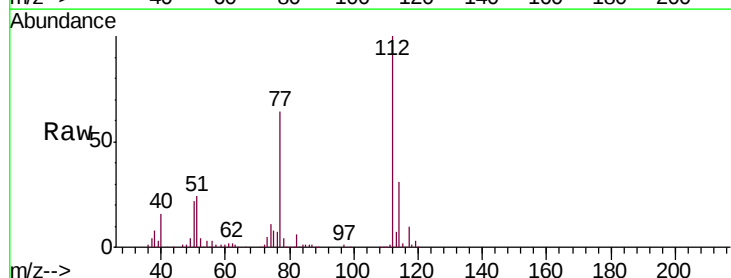
Instrument :
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ClientSampleId :
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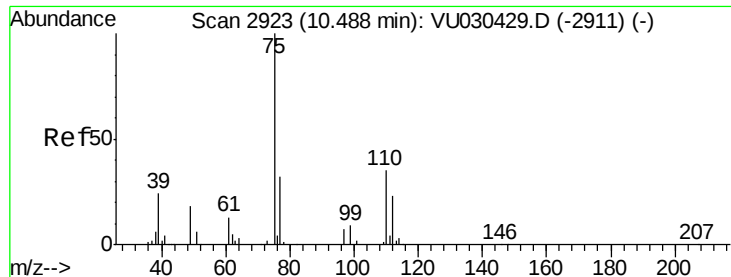
Tgt Ion: 43 Resp: 6003
Ion Ratio Lower Upper
43 100
58 5.6 42.5 63.7#
57 15.3 15.0 22.6
100 4.7 7.4 11.2#



#51
Chlorobenzene
Concen: 29.741 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030436.D
Acq: 26 Mar 2019 12:00

Tgt Ion: 112 Resp: 275770
Ion Ratio Lower Upper
112 100
114 31.3 21.5 39.9
77 64.2 51.4 77.0





#59

1,2,3-Trichloropropane

Concen: 1.493 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.93 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

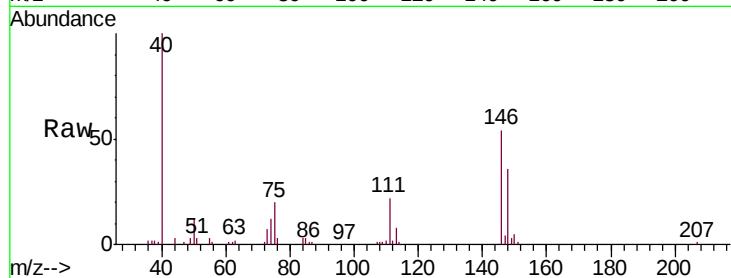
C0989DL

Tgt Ion: 75 Resp: 7605

Ion Ratio Lower Upper

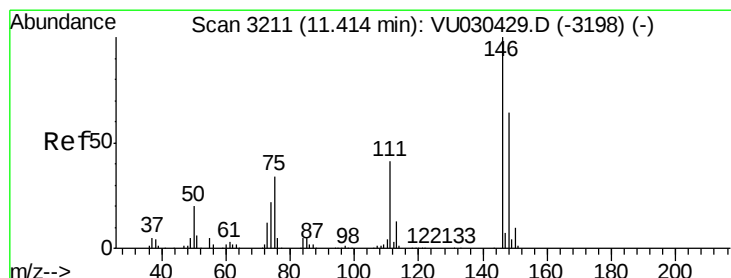
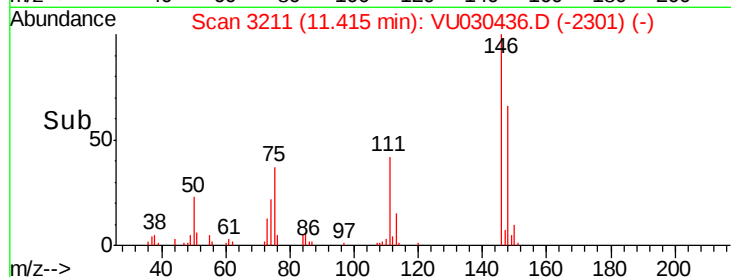
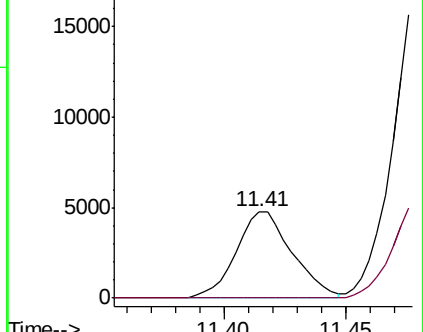
75 100

77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU030429.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030429.D (-2911) (-)



#62

1,3-Dichlorobenzene

Concen: 3.834 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

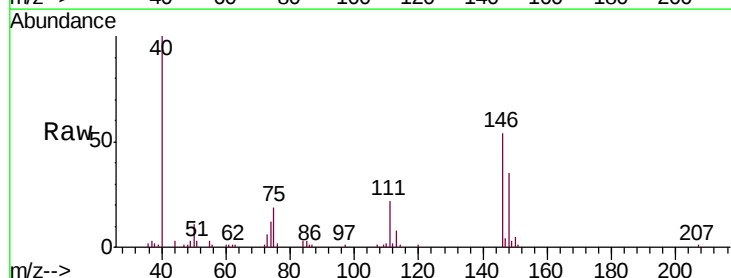
Tgt Ion: 146 Resp: 22488

Ion Ratio Lower Upper

146 100

111 39.9 29.2 54.2

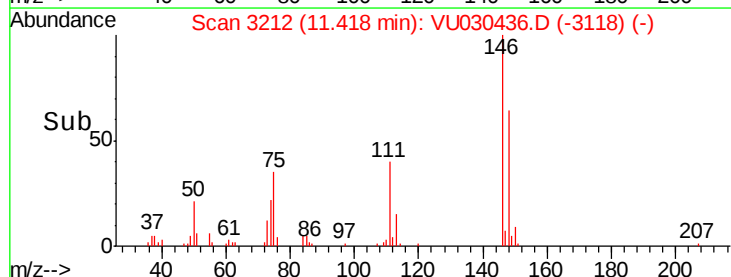
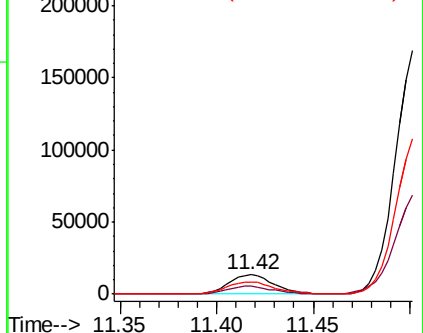
148 64.4 44.4 82.4

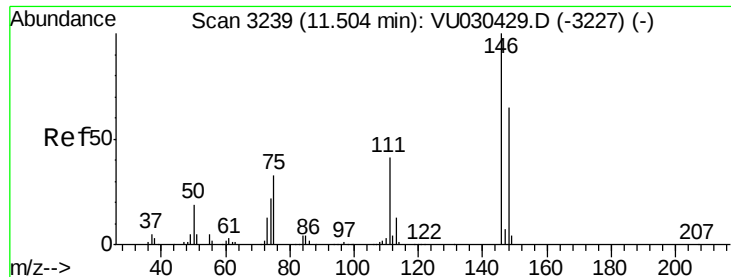


Abundance Ion 146.00 (145.70 to 146.70): VU030429.D (-3198) (-)

Ion 111.00 (110.70 to 111.70): VU030429.D (-3198) (-)

Ion 148.00 (147.70 to 148.70): VU030429.D (-3198) (-)





#63

1,4-Dichlorobenzene

Concen: 46.355 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

C0989DL

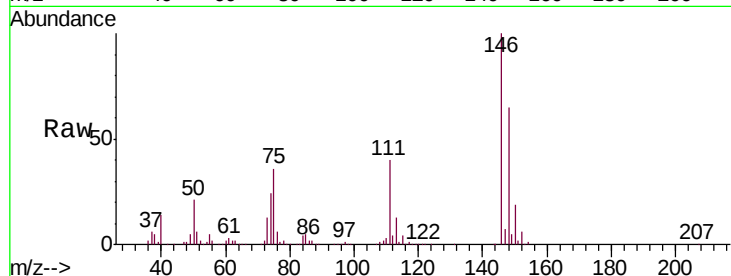
Tgt Ion:146 Resp: 279914

Ion Ratio Lower Upper

146 100

111 39.8 28.7 53.3

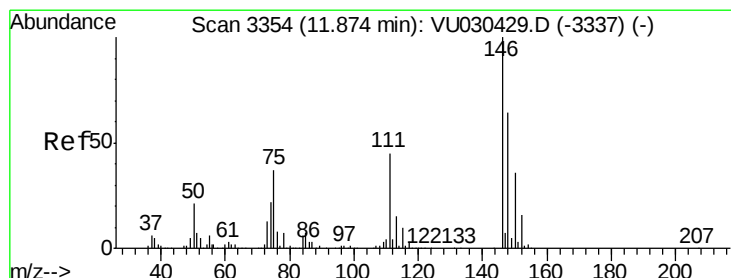
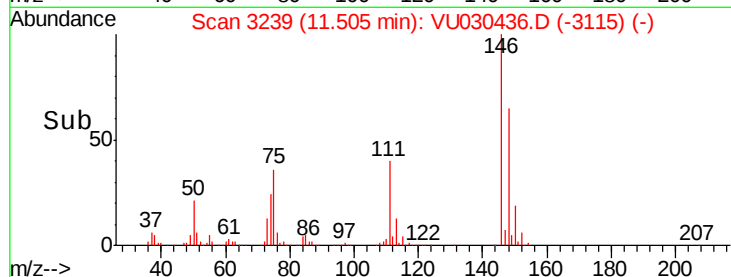
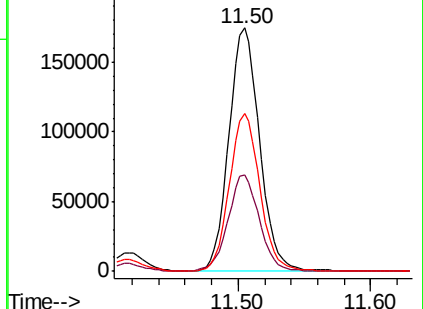
148 64.8 44.3 82.3



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



#65

1,2-Dichlorobenzene

Concen: 88.644 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030436.D

Acq: 26 Mar 2019 12:00

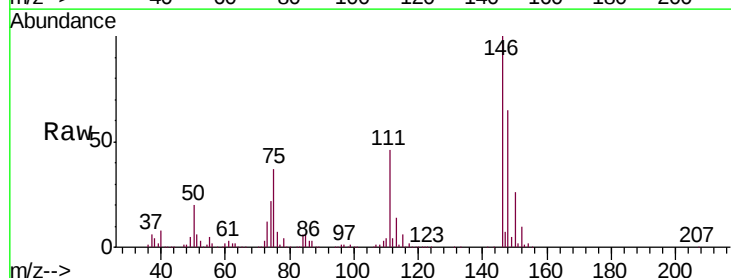
Tgt Ion:146 Resp: 525752

Ion Ratio Lower Upper

146 100

111 45.6 34.9 52.3

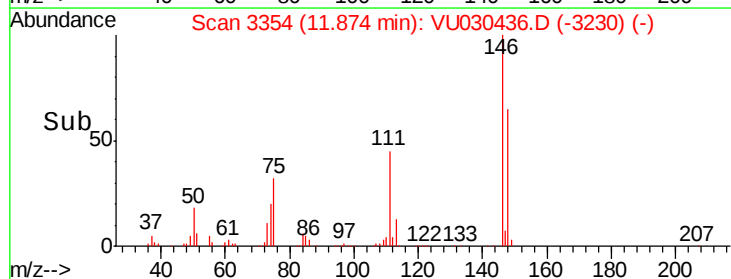
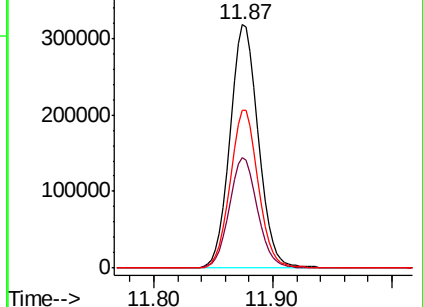
148 65.0 51.2 76.8

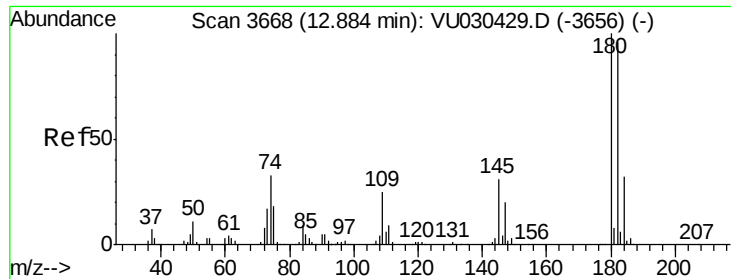


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

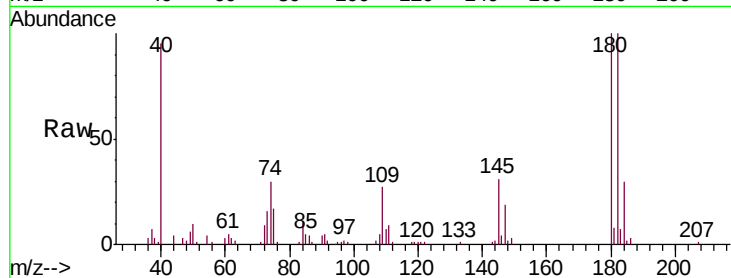




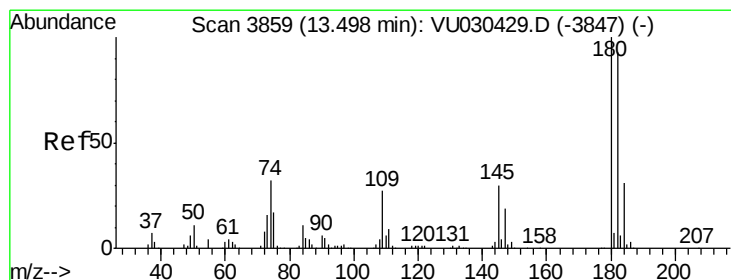
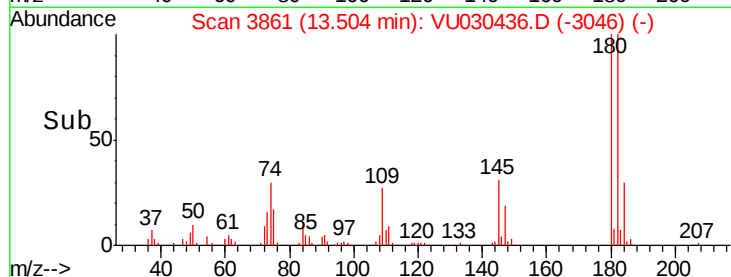
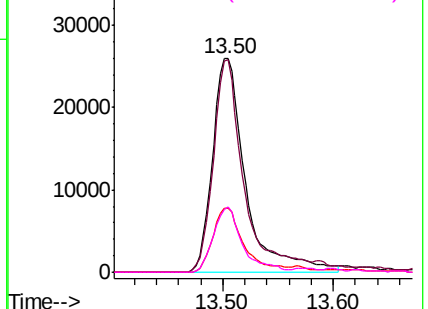
#67
 1,3,5-Trichlorobenzene
 Concen: 12.328 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU030436.D
 Acq: 26 Mar 2019 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 C0989DL

Tgt Ion:180 Resp: 54132
 Ion Ratio Lower Upper
 180 100
 182 83.3 75.9 113.9
 184 27.0 24.1 36.1
 145 26.9 23.8 35.8

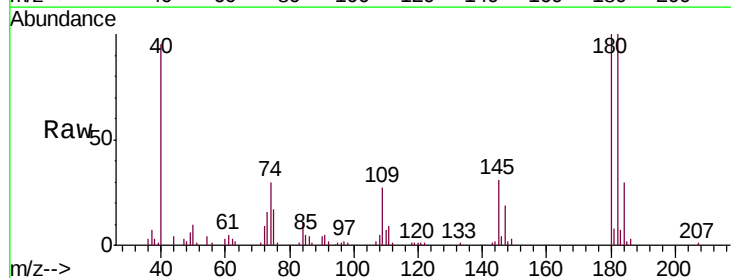


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

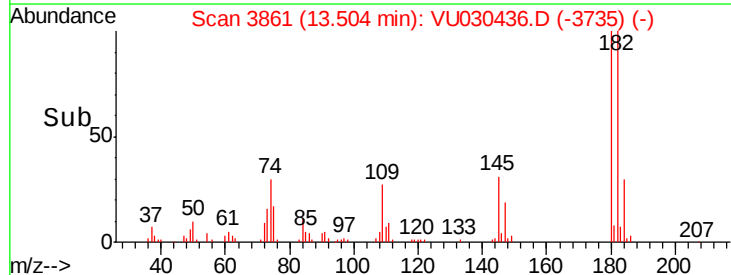
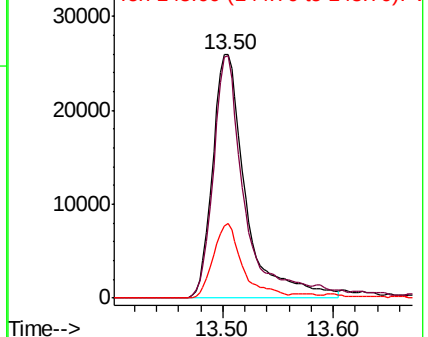


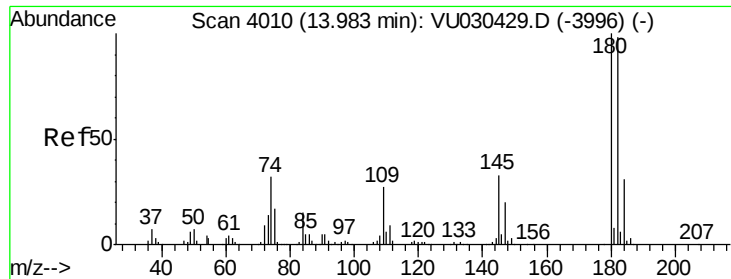
#68
 1,2,4-trichlorobenzene
 Concen: 14.188 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030436.D
 Acq: 26 Mar 2019 12:00

Tgt Ion:180 Resp: 54132
 Ion Ratio Lower Upper
 180 100
 182 83.3 76.1 114.1
 145 26.9 24.5 36.7



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: 3.611 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030436.D
 Acq: 26 Mar 2019 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 C0989DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.6	77.4	116.2
145	26.9	25.9	38.9

