

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030497.D
 Acq On : 27 Mar 2019 20:42
 Operator : JC/SP
 Sample : K2022-11DL 1000X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09B2DL

Quant Time: Mar 28 04:14:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 02:45:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	434024	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	407292	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	167704	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	154172	44.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.28%
7) Chloroethane-d5	1.68	69	131962	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.32%
11) 1,1-Dichloroethene-d2	2.27	63	225032	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.92%
21) 2-Butanone-d5	4.17	46	340063	103.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.57%
24) Chloroform-d	4.64	84	292683	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
26) 1,2-Dichloroethane-d4	5.31	65	197325	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
32) Benzene-d6	5.34	84	583788	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
36) 1,2-Dichloropropane-d6	6.33	67	211957	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.08%
41) Toluene-d8	7.56	98	495051	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%
43) trans-1,3-Dichloropropene-	7.85	79	88464	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.31	63	210346	97.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285259	49.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	171716	51.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

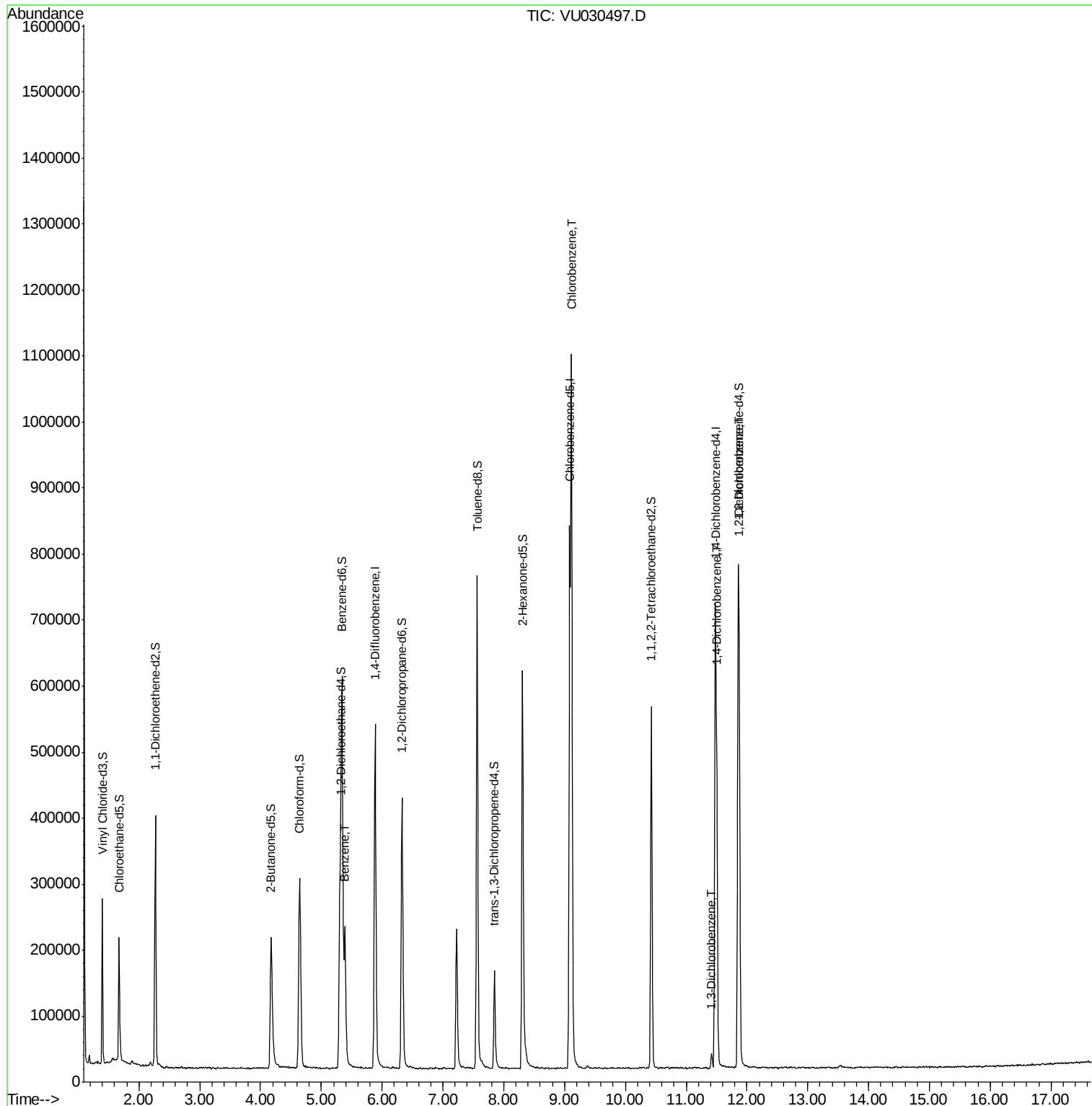
					Ovalue
33) Benzene	5.39	78	207149	14.941	ug/L 100
51) Chlorobenzene	9.12	112	542871	62.251	ug/L 96
62) 1,3-Dichlorobenzene	11.42	146	8683	1.583	ug/L 95
63) 1,4-Dichlorobenzene	11.50	146	168604	29.862	ug/L 98
65) 1,2-Dichlorobenzene	11.87	146	169817	30.622	ug/L 99

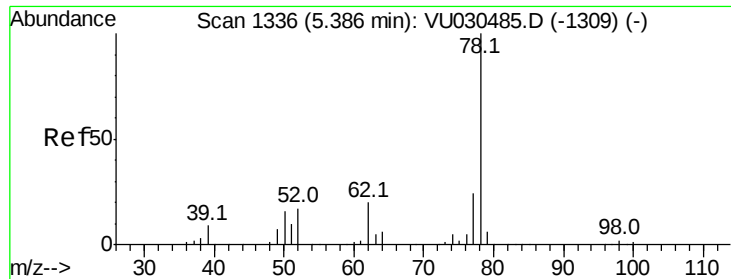
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 14.941 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030497.D

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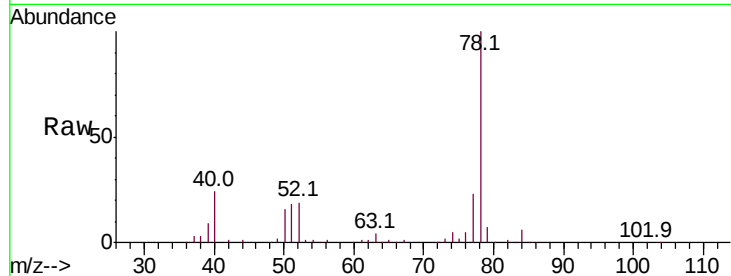
Instrument :

MSVOA_U

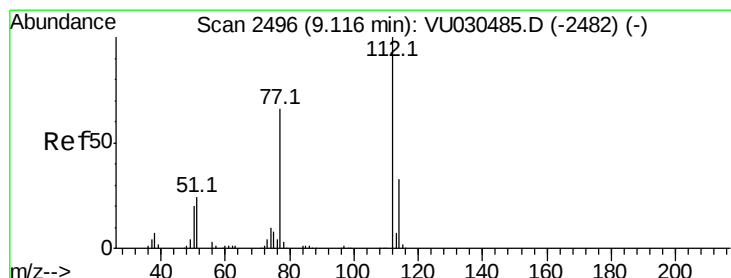
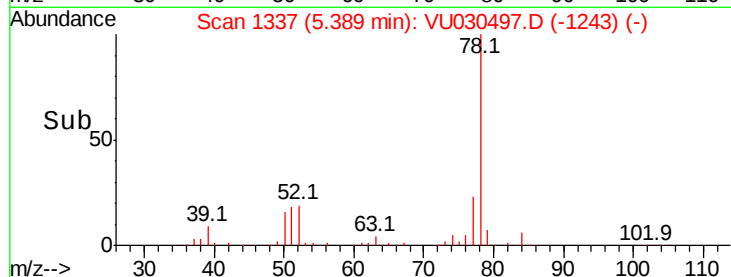
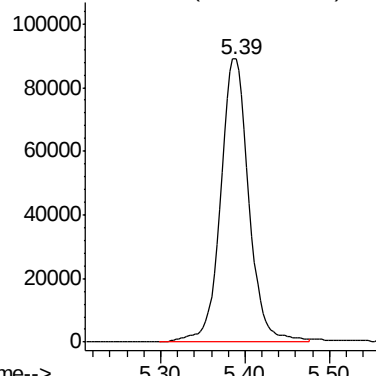
ClientSampleId :

C09B2DL

Tgt Ion: 78 Resp: 207149



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 62.251 ug/L

RT: 9.12 min Scan# 2496

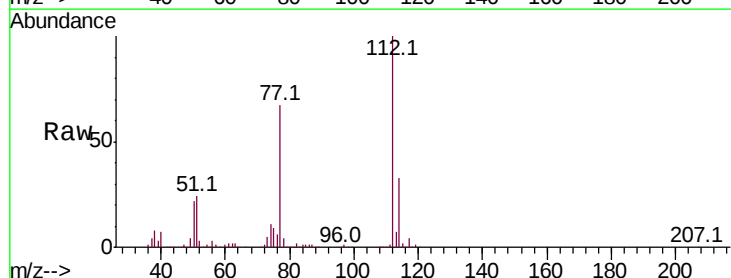
Delta R.T. -0.00 min

Lab File: VU030497.D

Acq: 27 Mar 2019 20:42

Tgt Ion: 112 Resp: 542871

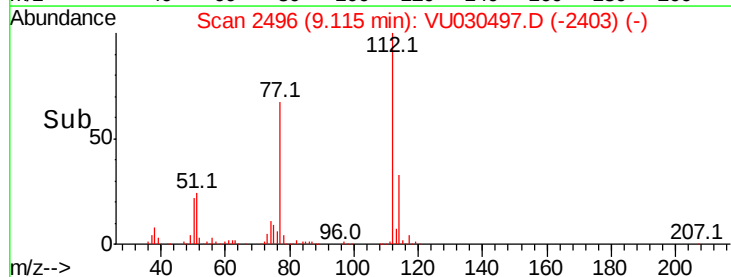
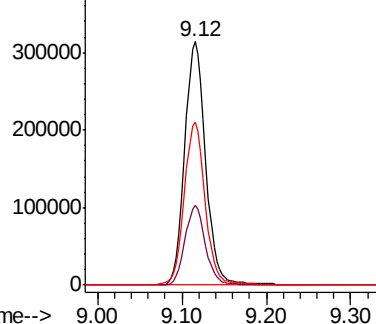
Ion	Ratio	Lower	Upper
112	100		
114	32.7	21.5	39.9
77	67.0	51.4	77.0

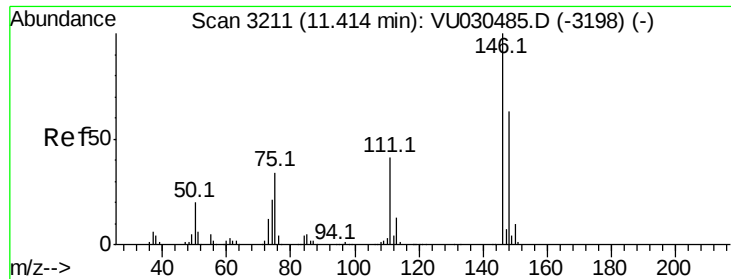


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 1.583 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030497.D

Acq: 27 Mar 2019 20:42

Instrument :

MSVOA_U

ClientSampled :

C09B2DL

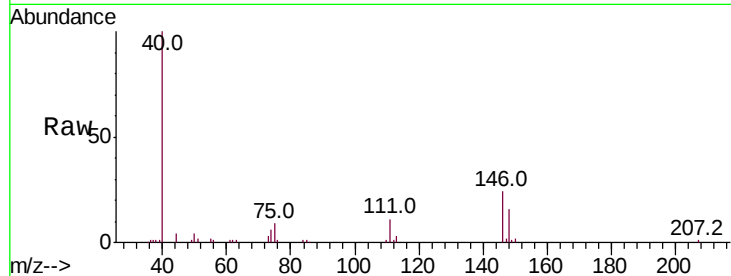
Tot Ion:146 Resp: 8683

Ion Ratio Lower Upper

146 100

111 47.8 29.2 54.2

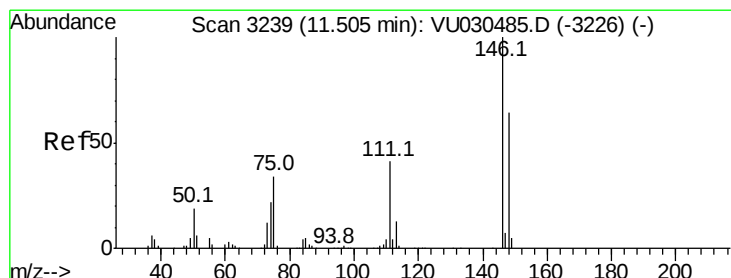
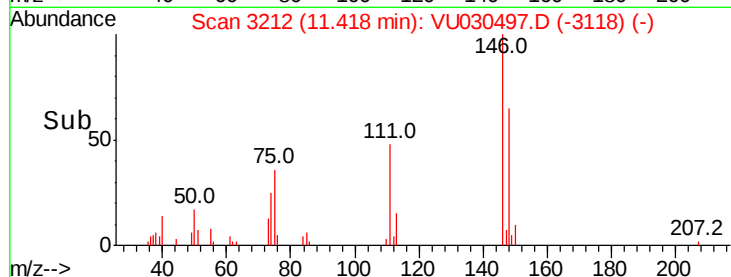
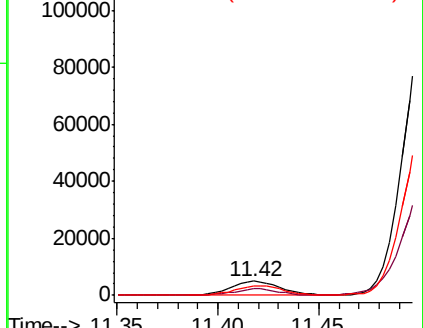
148 65.4 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 29.862 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030497.D

Acq: 27 Mar 2019 20:42

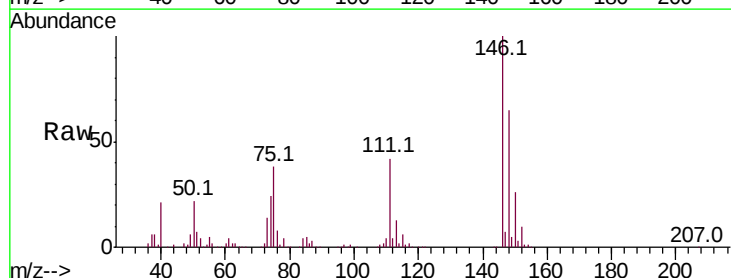
Tgt Ion:146 Resp: 168604

Ion Ratio Lower Upper

146 100

111 41.6 28.7 53.3

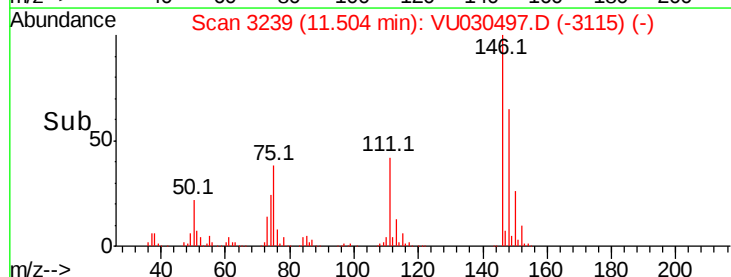
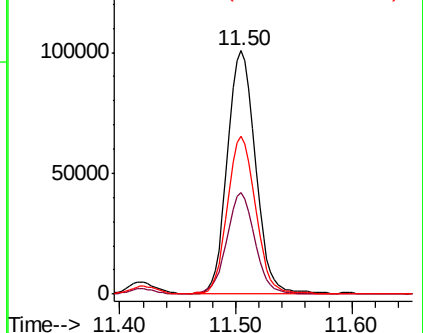
148 64.9 44.3 82.3

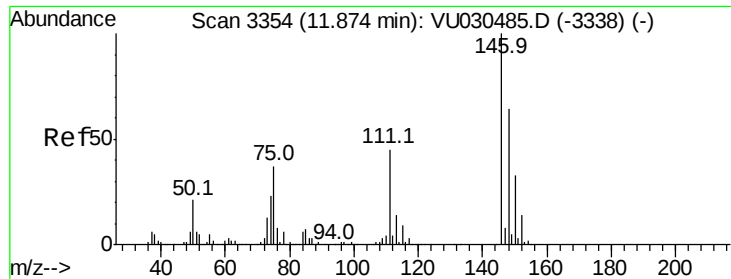


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

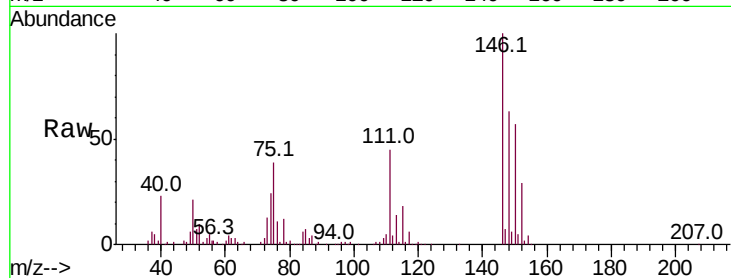




#65
 1,2-Dichlorobenzene
 Concen: 30.622 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030497.D
 Acq: 27 Mar 2019 20:42

Instrument :
 MSVOA_U
 ClientSampleId :
 C09B2DL

Tot Ion:146 Resp: 169817
 Ion Ratio Lower Upper
 146 100
 111 44.8 34.9 52.3
 148 63.1 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

