

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
 Data File : VV016970.D
 Acq On : 18 Jun 2020 11:41
 Operator : SY/MD
 Sample : L3039-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M00

Quant Time: Jun 19 04:35:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 04:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	351302	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	339129	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170055	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98519	39.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.48%
7) Chloroethane-d5	1.58	69	69467	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.12	63	146012	35.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.16%
21) 2-Butanone-d5	3.90	46	165786	90.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.36%
24) Chloroform-d	4.38	84	222481	44.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.28%
26) 1,2-Dichloroethane-d4	5.06	65	164098	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.72%
32) Benzene-d6	5.07	84	448574	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
36) 1,2-Dichloropropane-d6	6.09	67	138541	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.92%
41) Toluene-d8	7.34	98	416476	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%
43) trans-1,3-Dichloropropene-	7.64	79	72395	45.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.22%
47) 2-Hexanone-d5	8.11	63	98590	74.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.21%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	182415	45.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	181400	49.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.96%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	743762	296.944	ug/L 99
8) Chloroethane	1.60	64	2319	1.874	ug/L 94
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1354	0.725	ug/L # 20
12) 1,1-Dichloroethene	2.13	96	1647	0.945	ug/L # 1
13) Acetone	2.19	43	2620	2.167	ug/L 83
14) Carbon disulfide	2.31	76	9127	1.446	ug/L # 85
17) trans-1,2-Dichloroethene	2.78	96	7727	3.250	ug/L 93
25) Chloroform	4.41	83	15095	3.282	ug/L 90
34) Trichloroethene	5.94	95	5662	2.104	ug/L 94
42) Toluene	7.41	91	10228	0.967	ug/L 91
48) 2-Hexanone	8.16	43	12538	4.373	ug/L # 52
49) Dibromochloromethane	8.00	129	2357	0.876	ug/L # 11
51) Chlorobenzene	8.90	112	4486	0.650	ug/L 95
53) m,p-Xylene	9.17	106	6761	1.550	ug/L 88
54) o-xylene	9.57	106	2386	0.555	ug/L 87

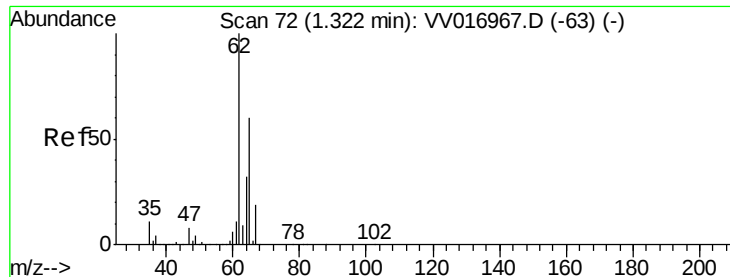
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
Data File : VV016970.D
Acq On : 18 Jun 2020 11:41
Operator : SY/MD
Sample : L3039-01
Misc : 5.0mL/MSVOA V/WATER
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Quant Time: Jun 19 04:35:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 19 04:33:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#5

Vinyl chloride

Concen: 296.944 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016970.D

Acq: 18 Jun 2020 11:41

Instrument :

MSVOA_V

ClientSampleId :

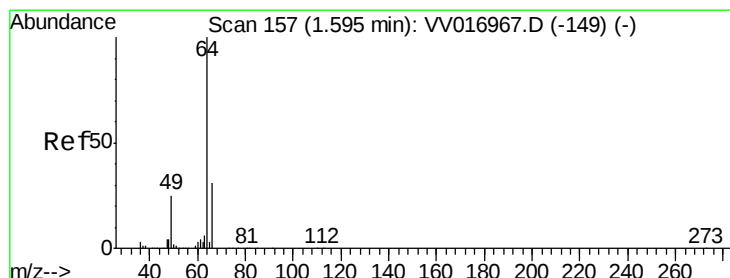
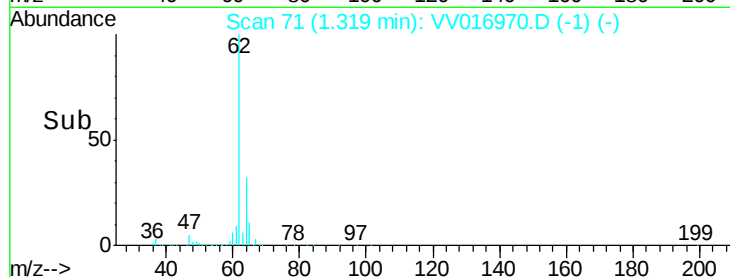
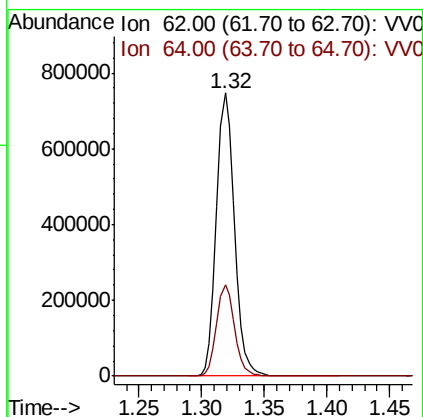
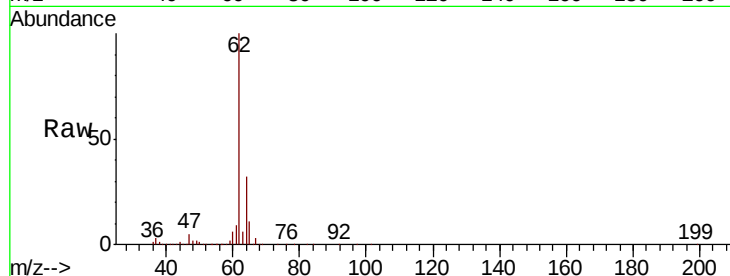
F9M00

Tot Ion: 62 Resp: 743762

Ion Ratio Lower Upper

62 100

64 32.4 22.3 41.5



#8

Chloroethane

Concen: 1.874 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016970.D

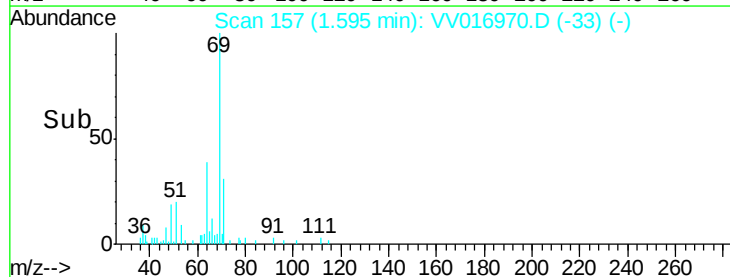
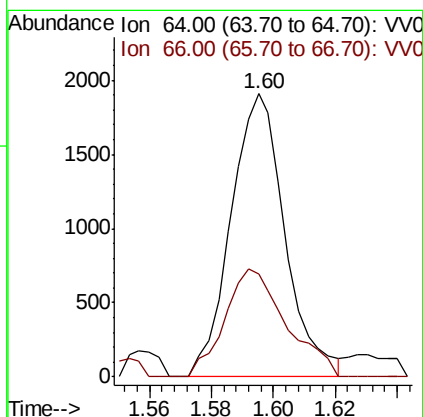
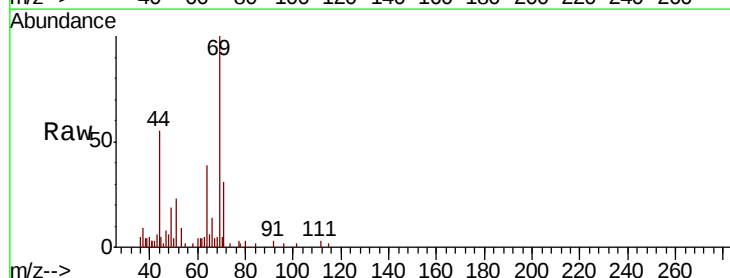
Acq: 18 Jun 2020 11:41

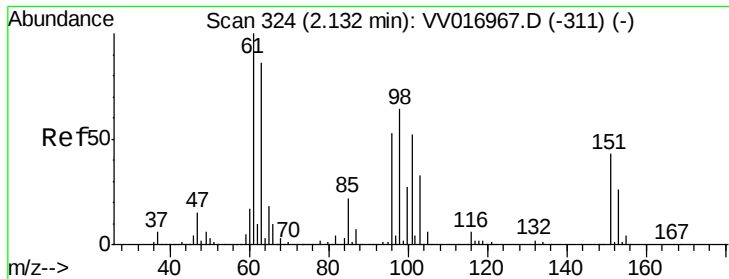
Tgt Ion: 64 Resp: 2319

Ion Ratio Lower Upper

64 100

66 36.4 23.2 43.0





#10

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

Concen: 0.725 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016970.D

Acq: 18 Jun 2020 11:41

Instrument :

MSVOA_V

ClientSampled :

F9M00

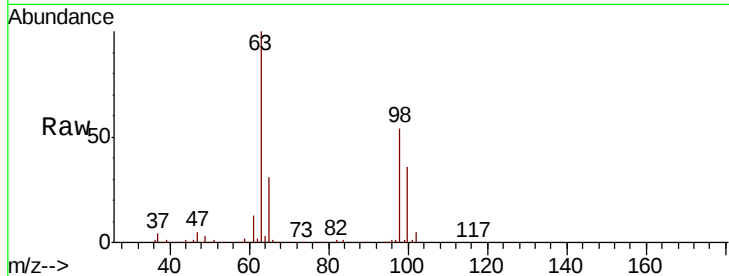
Tot Ion:101 Resp: 1354

Ion Ratio Lower Upper

101 100

85 4.2 35.5 53.3#

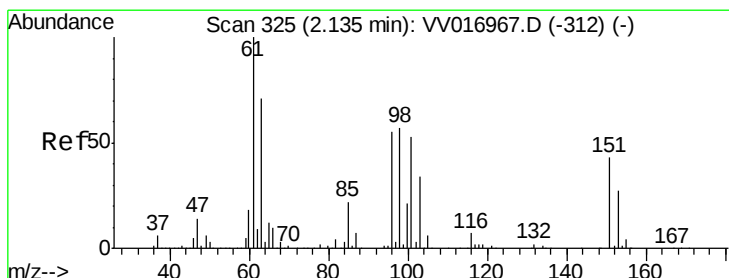
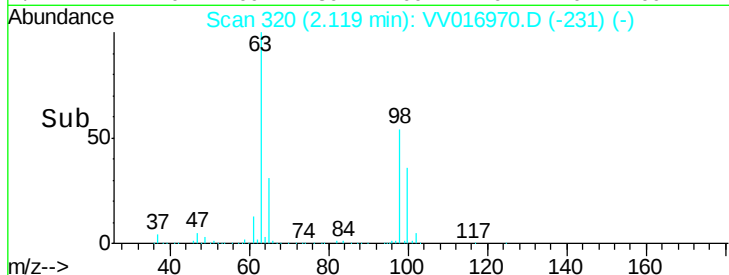
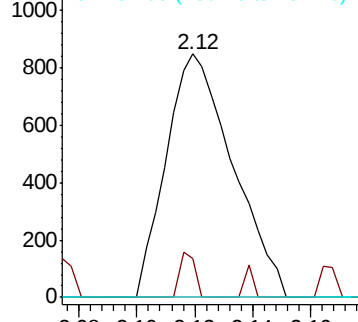
151 0.0 63.9 95.9#



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



#12

1,1-Dichloroethene

Concen: 0.945 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016970.D

Acq: 18 Jun 2020 11:41

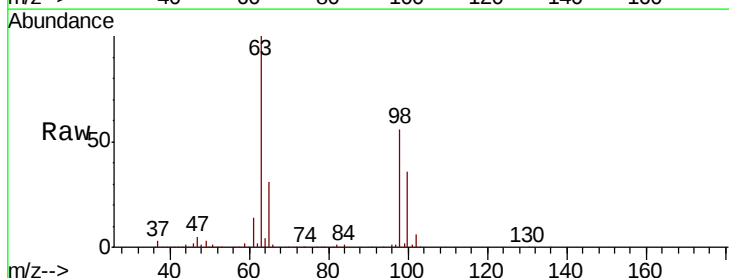
Tgt Ion: 96 Resp: 1647

Ion Ratio Lower Upper

96 100

61 1227.5 130.4 242.2#

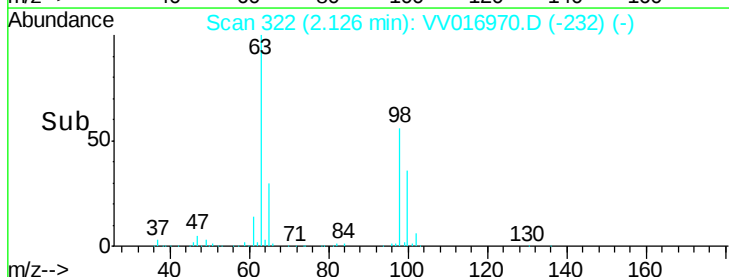
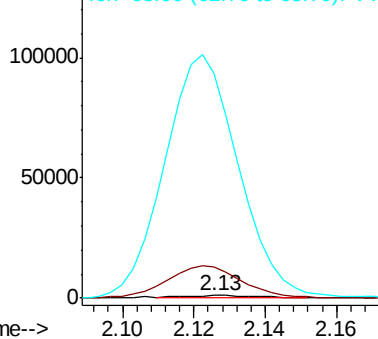
63 8958.5 103.3 191.9#

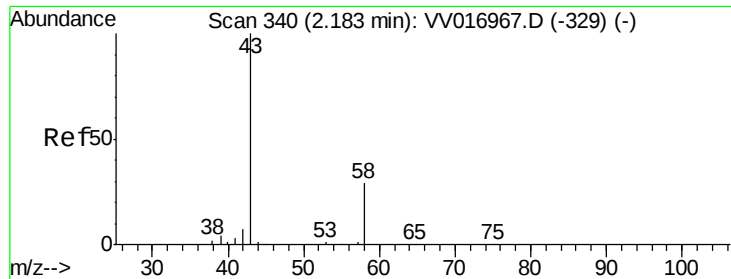


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.167 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV016970.D

Acq: 18 Jun 2020 11:41

Instrument :

MSVOA_V

ClientSampleId :

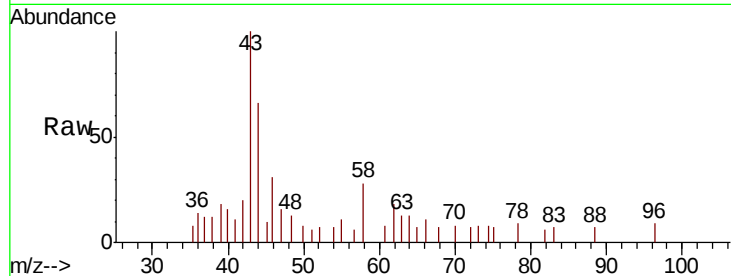
F9M00

Tot Ion: 43 Resp: 2620

Ion Ratio Lower Upper

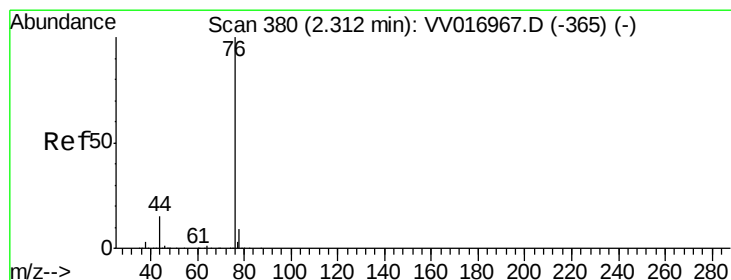
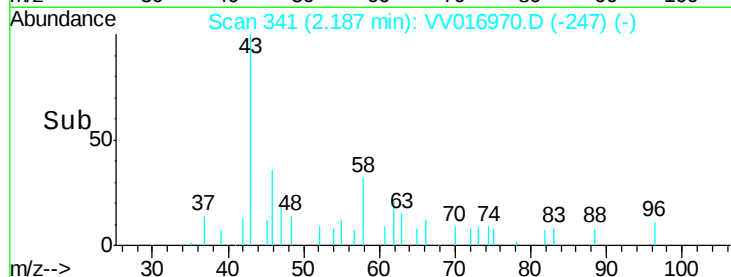
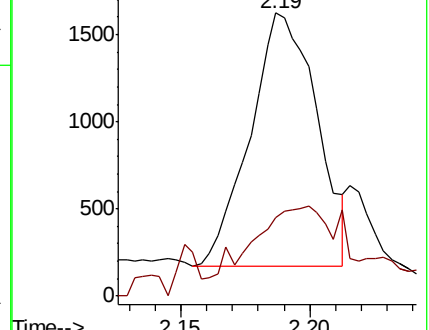
43 100

58 36.5 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016970.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV016970.D (-247) (-)



#14

Carbon disulfide

Concen: 1.446 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016970.D

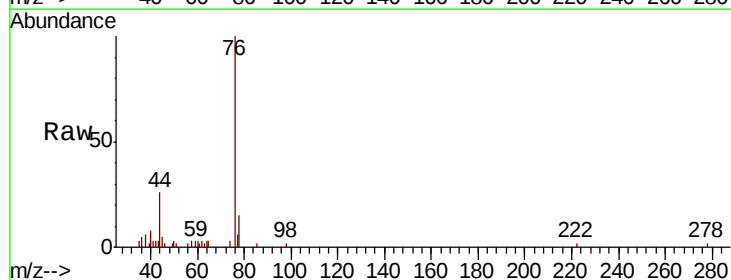
Acq: 18 Jun 2020 11:41

Tgt Ion: 76 Resp: 9127

Ion Ratio Lower Upper

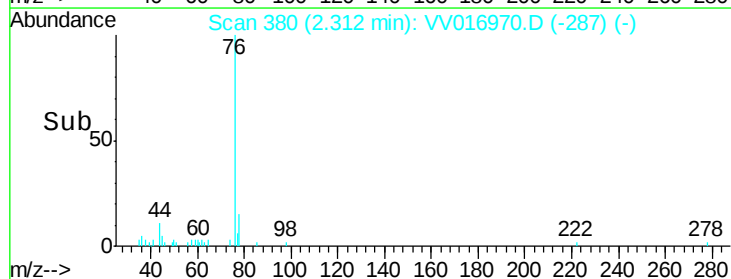
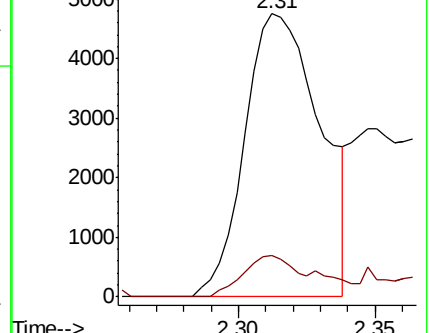
76 100

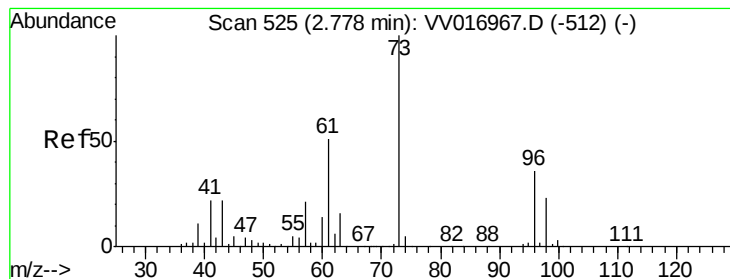
78 14.5 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VV016970.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV016970.D (-287) (-)





#17

trans-1,2-Dichloroethene

Concen: 3.250 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016970.D

Acq: 18 Jun 2020 11:41

Instrument :

MSVOA_V

ClientSampleId :

F9M00

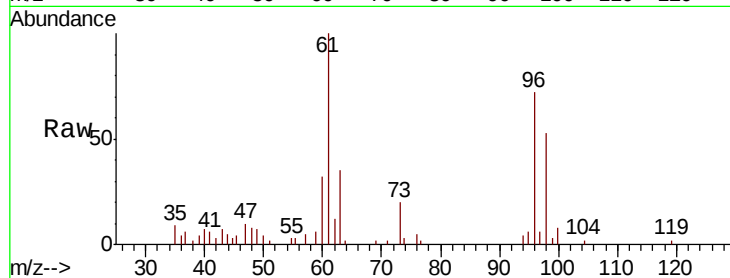
Tot Ion: 96 Resp: 7727

Ion Ratio Lower Upper

96 100

61 139.7 102.9 191.1

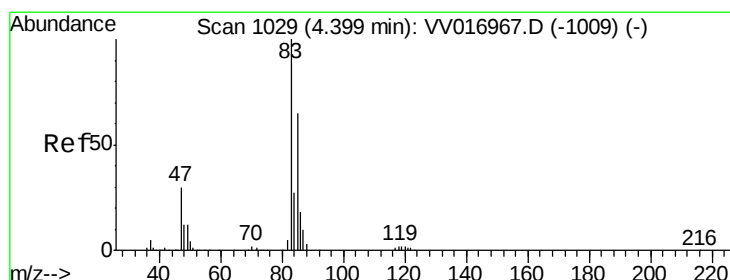
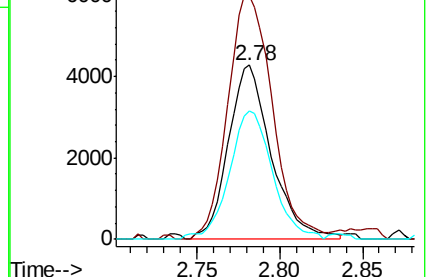
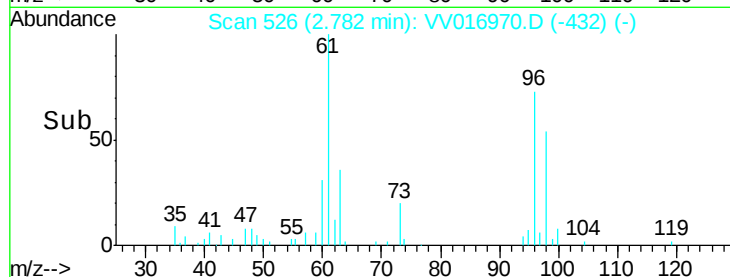
98 73.8 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV016970.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV016970.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV016970.D (-432) (-)



#25

Chloroform

Concen: 3.282 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV016970.D

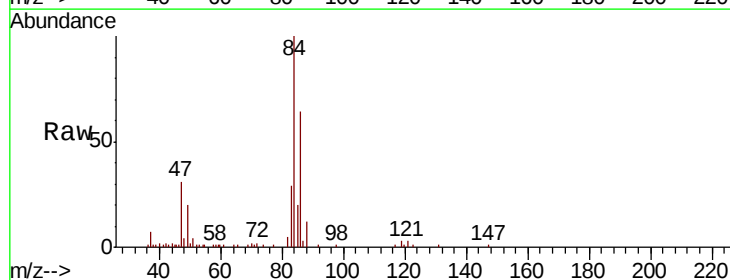
Acq: 18 Jun 2020 11:41

Tgt Ion: 83 Resp: 15095

Ion Ratio Lower Upper

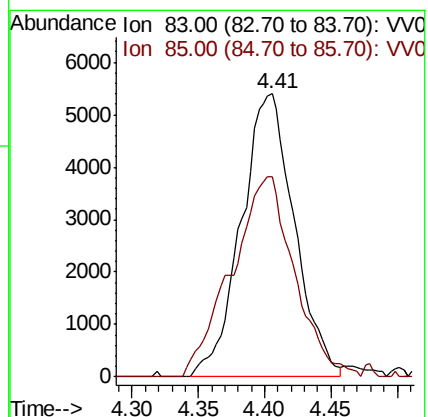
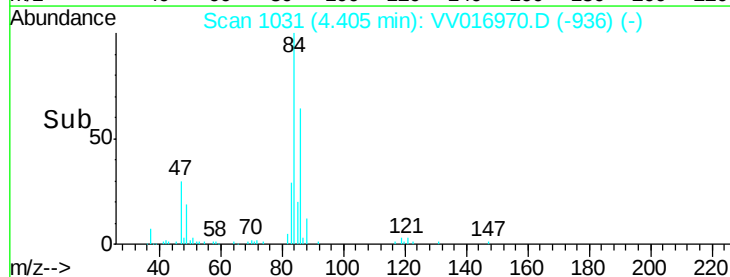
83 100

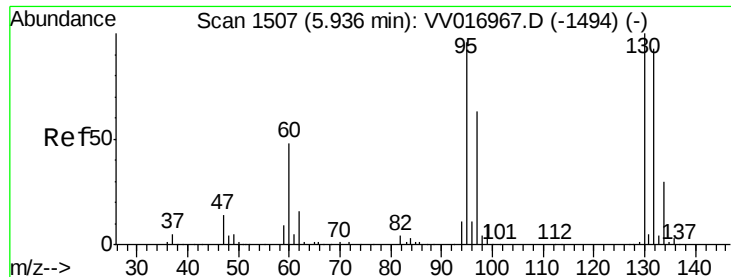
85 70.5 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV016970.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV016970.D (-936) (-)

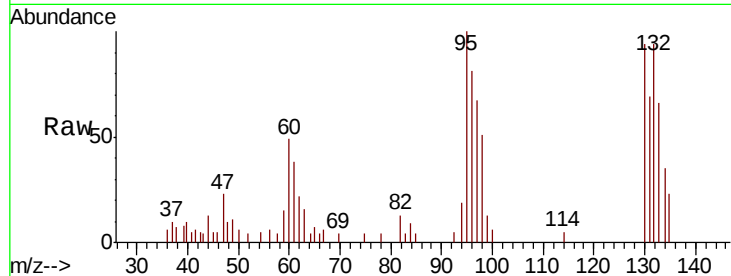




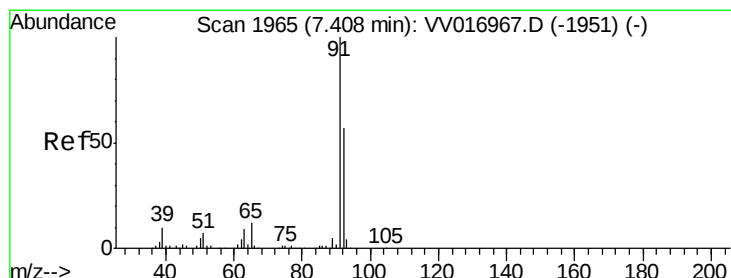
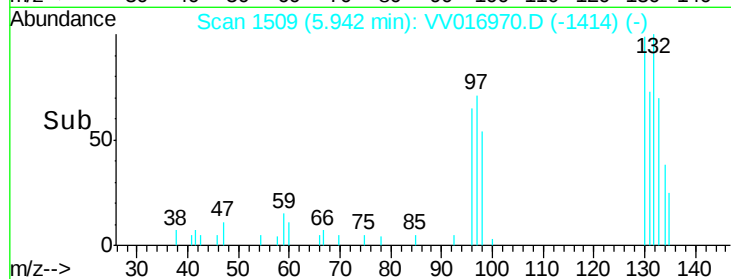
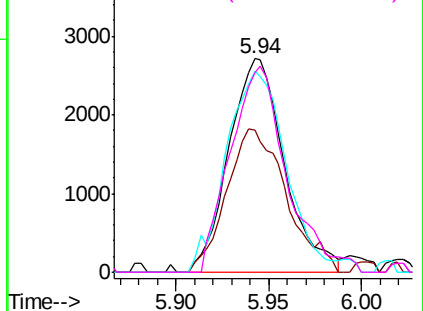
#34
 Trichloroethene
 Concen: 2.104 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV016970.D
 Acq: 18 Jun 2020 11:41

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M00

Tot Ion: 95 Resp: 5662
 Ion Ratio Lower Upper
 95 100
 97 66.5 44.3 82.3
 132 94.3 67.9 126.1
 130 93.6 72.2 134.2

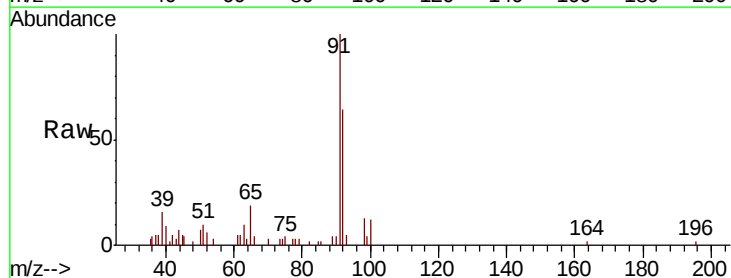


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

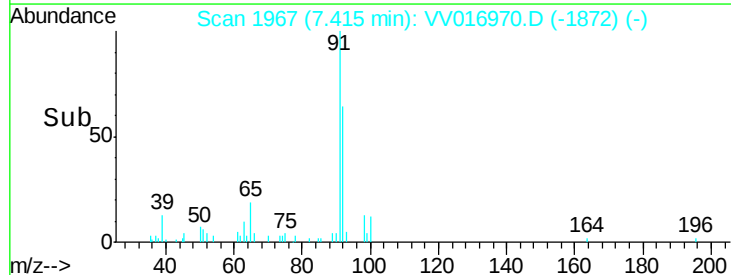
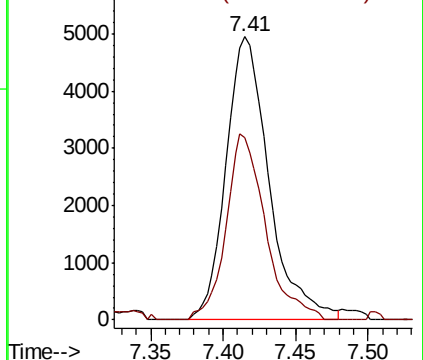


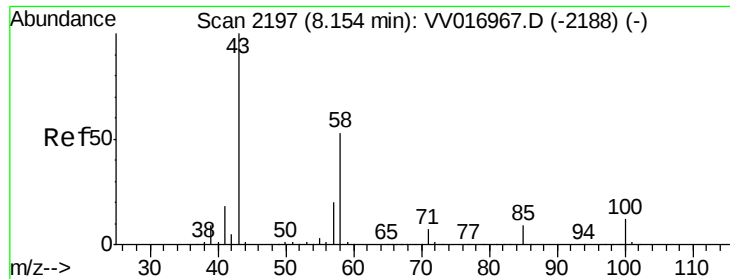
#42
 Toluene
 Concen: 0.967 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV016970.D
 Acq: 18 Jun 2020 11:41

Tgt Ion: 91 Resp: 10228
 Ion Ratio Lower Upper
 91 100
 92 64.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
 Ion 92.00 (91.70 to 92.70): VV0

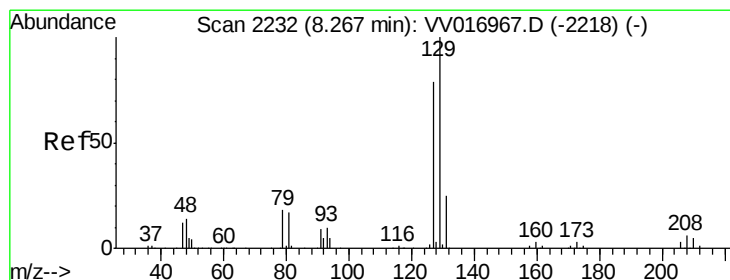
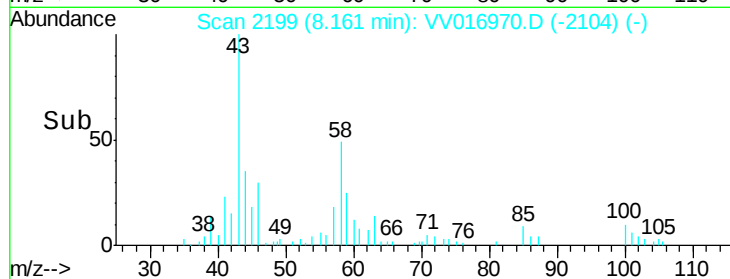
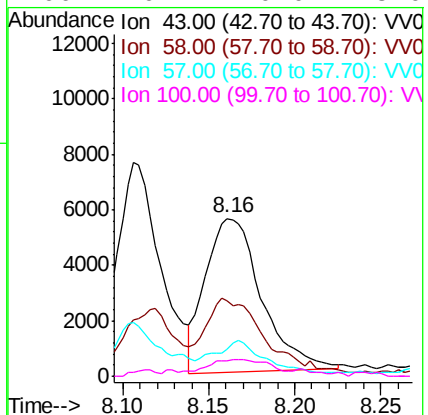
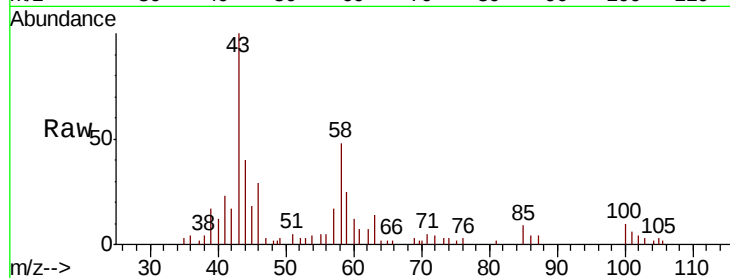




#48
2-Hexanone
Concen: 4.373 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV016970.D
Acq: 18 Jun 2020 11:41

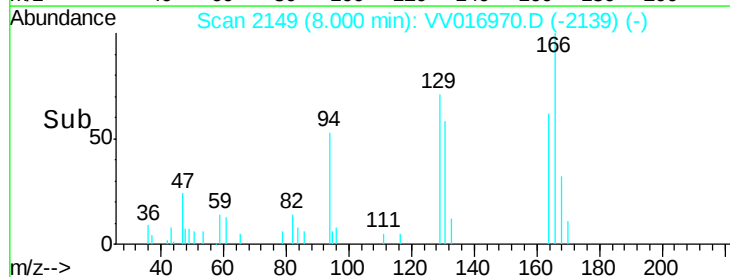
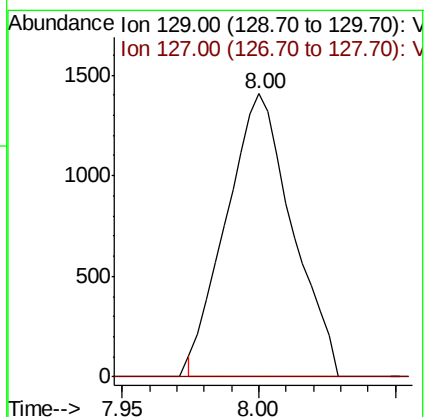
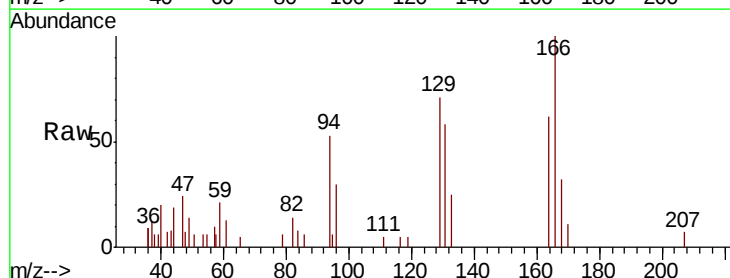
Instrument :
MSVOA_V
ClientSampleId :
F9M00

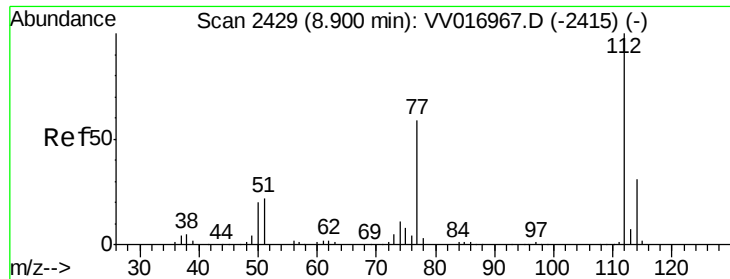
Tot Ion: 43 Resp: 12538
Ion Ratio Lower Upper
43 100
58 13.2 43.1 64.7#
57 3.6 15.3 22.9#
100 0.4 10.0 15.0#



#49
Dibromochloromethane
Concen: 0.876 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV016970.D
Acq: 18 Jun 2020 11:41

Tgt Ion: 129 Resp: 2357
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#

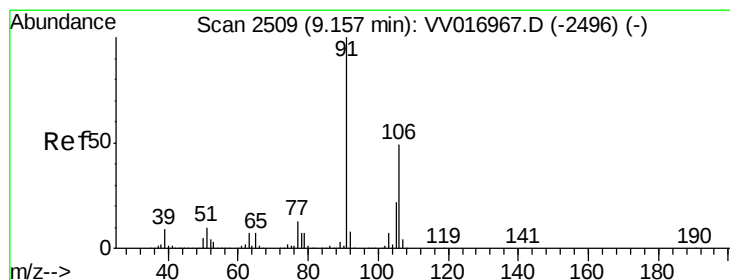
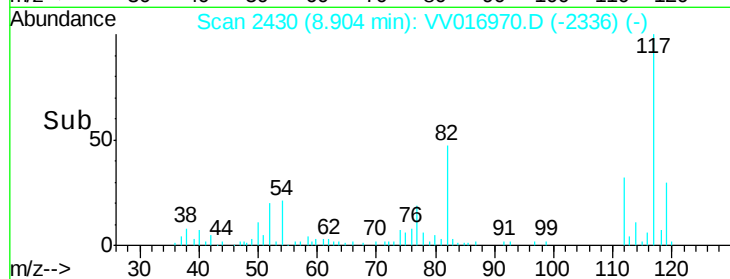
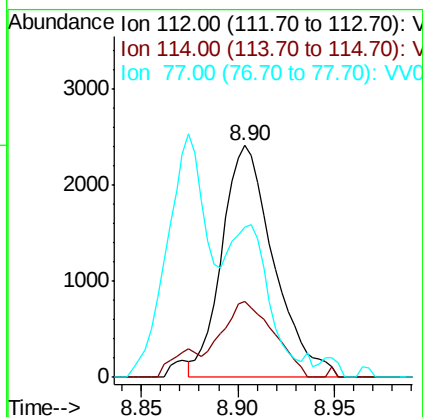
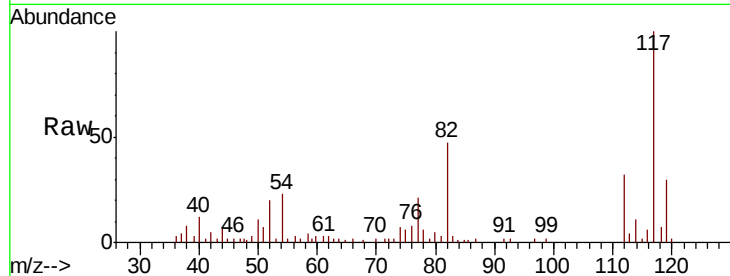




#51
Chlorobenzene
Concen: 0.650 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016970.D
Acq: 18 Jun 2020 11:41

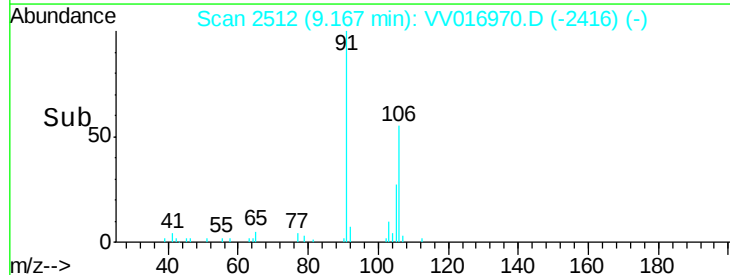
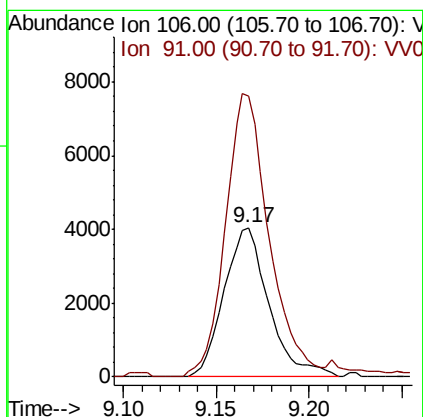
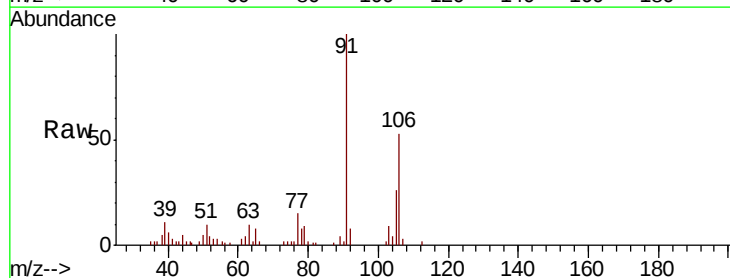
Instrument :
MSVOA_V
ClientSampleId :
F9M00

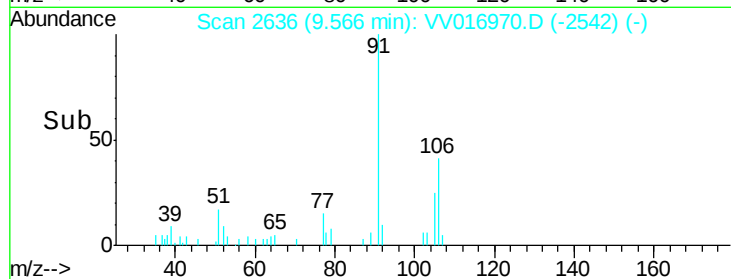
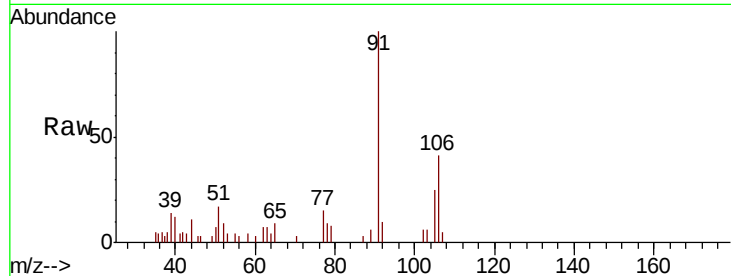
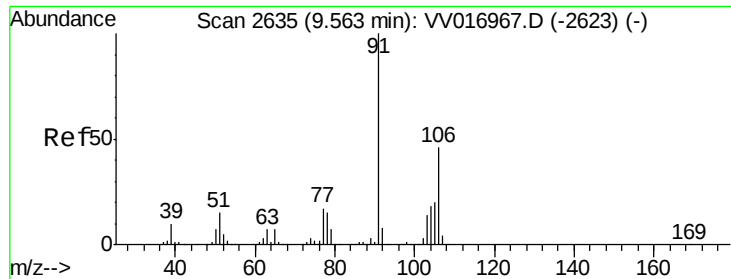
Tot Ion:112 Resp: 4486
Ion Ratio Lower Upper
112 100
114 32.7 22.3 41.3
77 64.6 47.9 71.9



#53
m,p-Xylene
Concen: 1.550 ug/L
RT: 9.17 min Scan# 2512
Delta R.T. 0.01 min
Lab File: VV016970.D
Acq: 18 Jun 2020 11:41

Tgt Ion:106 Resp: 6761
Ion Ratio Lower Upper
106 100
91 187.9 144.6 268.6





#54
o-xylene
Concen: 0.555 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016970.D
Acq: 18 Jun 2020 11:41

Instrument :
MSVOA_V
ClientSampleId :
F9M00

Tot Ion:106 Resp: 2386
Ion Ratio Lower Upper
106 100
91 243.9 155.9 289.5

