

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014957.D
 Acq On : 16 Mar 2020 19:44
 Operator : SY/MD
 Sample : L1940-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA0

Quant Time: Mar 18 03:21:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	358139	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	346234	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166769	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104092	43.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.26%
7) Chloroethane-d5	1.58	69	82347	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.94%
11) 1,1-Dichloroethene-d2	2.12	63	129441	35.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.72%
21) 2-Butanone-d5	3.93	46	123952	85.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.20%
24) Chloroform-d	4.38	84	226570	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
26) 1,2-Dichloroethane-d4	5.06	65	151100	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.08	84	470920	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
36) 1,2-Dichloropropane-d6	6.10	67	137313	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.68%
41) Toluene-d8	7.34	98	447526	47.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.88%
43) trans-1,3-Dichloropropene-	7.64	79	69460	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.00%
47) 2-Hexanone-d5	8.12	63	128102	99.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.92%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	197833	47.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	186813	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%

Target Compounds

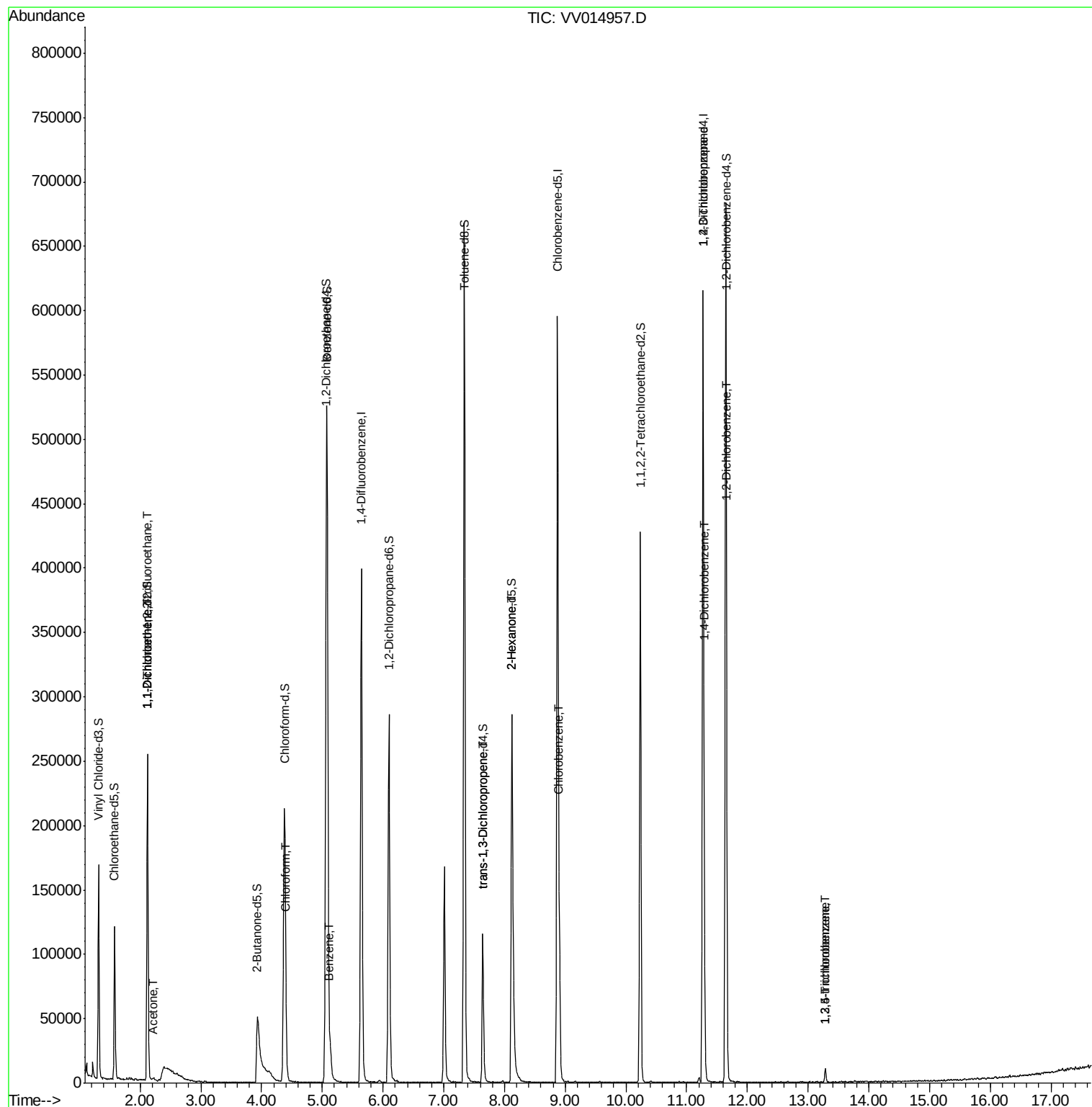
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1338	0.725	ug/L #	15
12) 1,1-Dichloroethene	2.13	96	1317	0.783	ug/L #	1
13) Acetone	2.20	43	1767	1.229	ug/L	76
25) Chloroform	4.41	83	6168	1.315	ug/L	88
33) Benzene	5.13	78	27092	2.876	ug/L	100
44) trans-1,3-Dichloropropene	7.64	75	3154	0.913	ug/L	96
48) 2-Hexanone	8.13	43	14013	5.556	ug/L #	79
51) Chlorobenzene	8.90	112	65113	8.919	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	17394	5.373	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	37076	6.697	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	14995	2.731	ug/L	96
67) 1,3,5-Trichlorobenzene	13.28	180	4014	0.932	ug/L	94
68) 1,2,4-trichlorobenzene	13.28	180	4014	1.045	ug/L	96

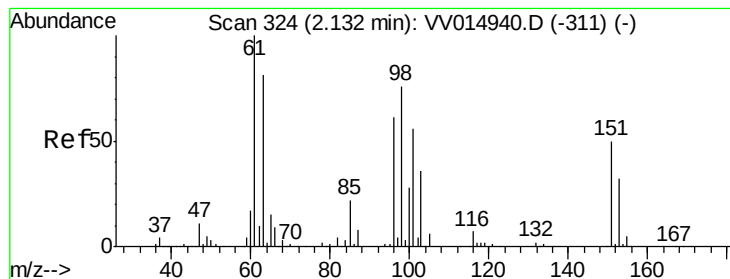
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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: VV014957.D

Acq: 16 Mar 2020 19:44

Instrument :

MSVOA_V

ClientSampleId :

C0DA0

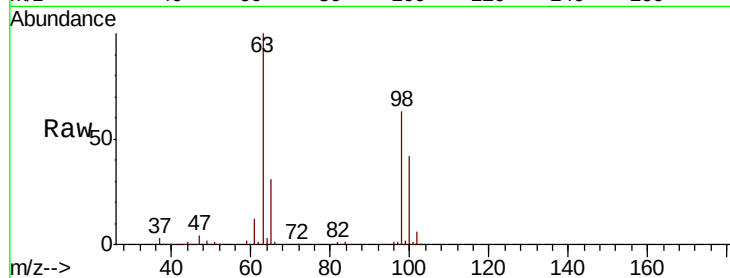
Tot Ion:101 Resp: 1338

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

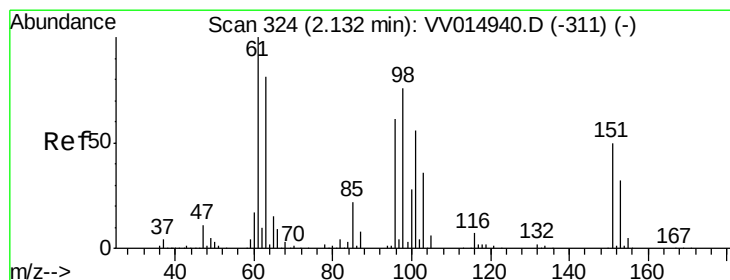
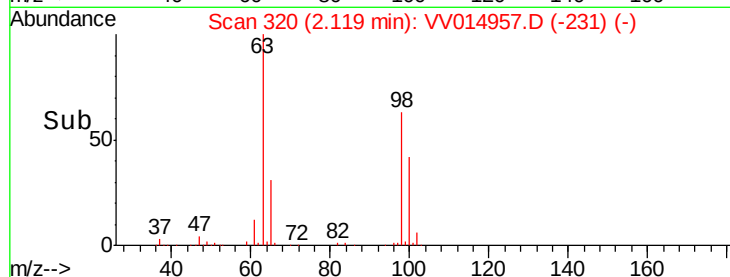
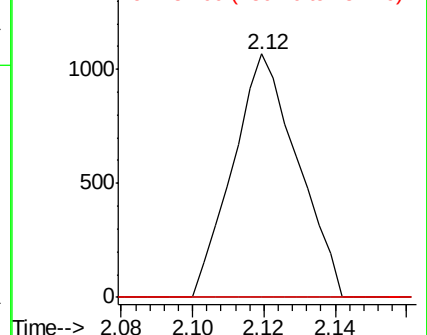
151 0.0 70.1 105.1#



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: 0.783 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014957.D

Acq: 16 Mar 2020 19:44

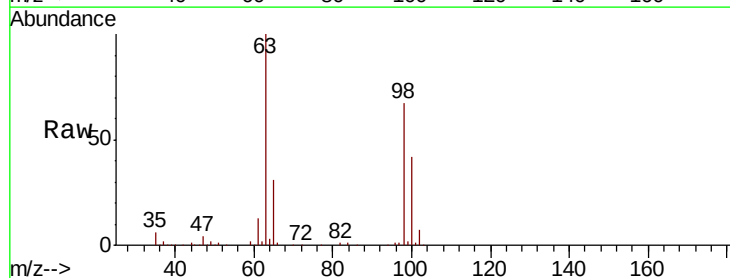
Tgt Ion: 96 Resp: 1317

Ion Ratio Lower Upper

96 100

61 1117.7 115.7 214.9#

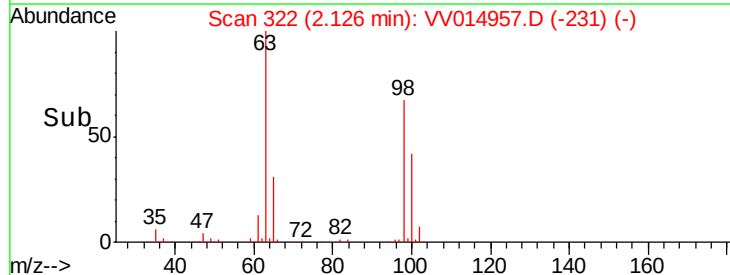
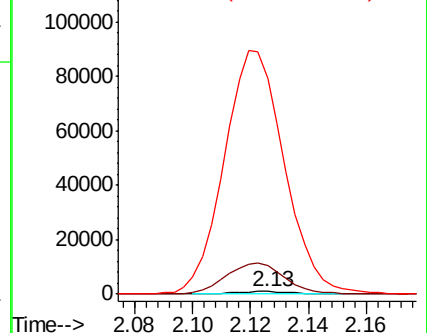
63 8621.1 99.2 184.2#

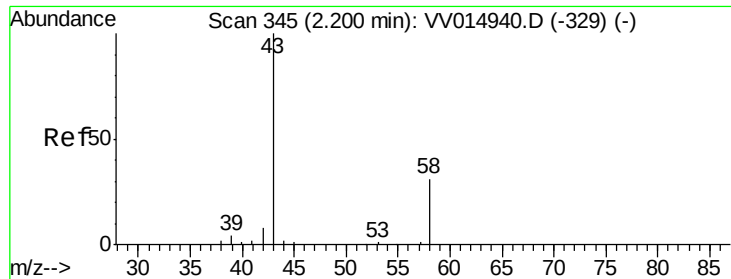


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.229 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV014957.D

Acq: 16 Mar 2020 19:44

Instrument :

MSVOA_V

ClientSampled :

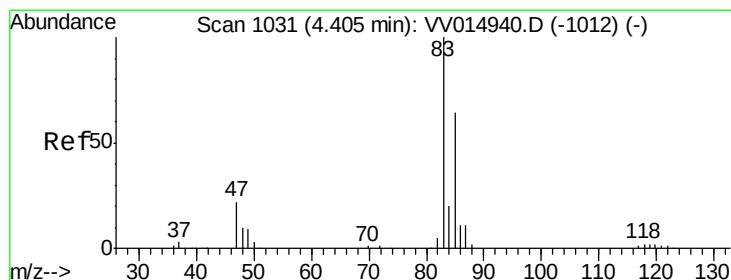
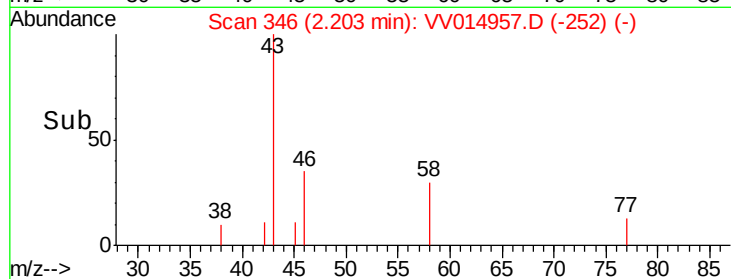
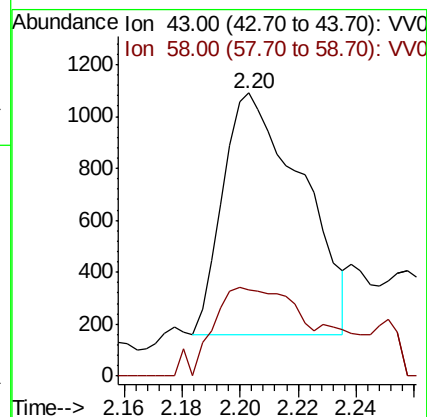
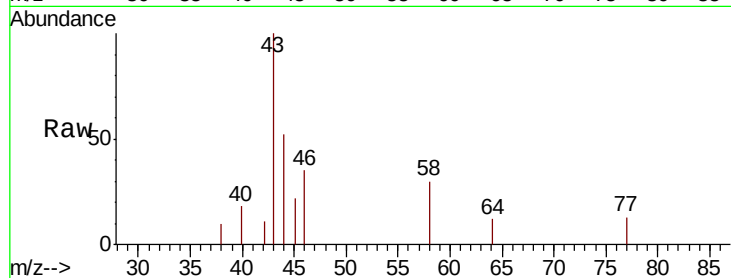
C0DA0

Tot Ion: 43 Resp: 1767

Ion Ratio Lower Upper

43 100

58 38.1 0.0 51.6



#25

Chloroform

Concen: 1.315 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV014957.D

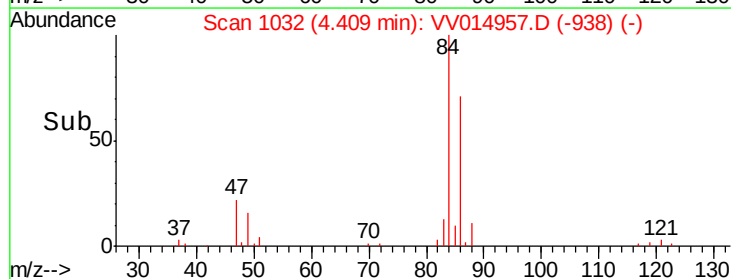
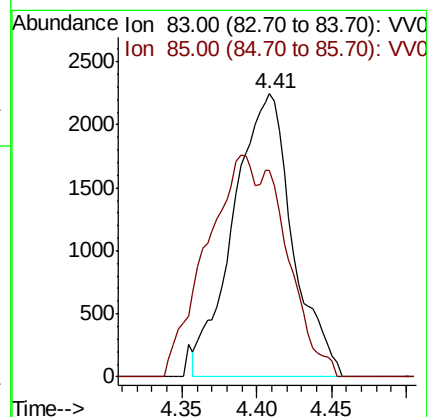
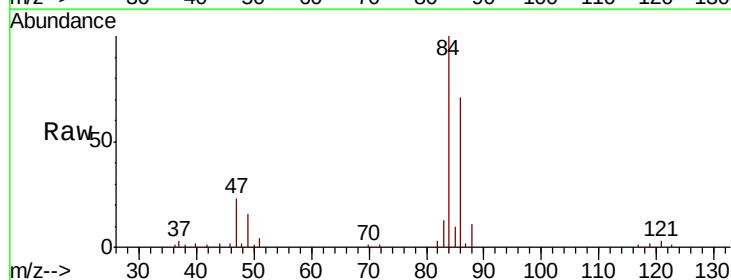
Acq: 16 Mar 2020 19:44

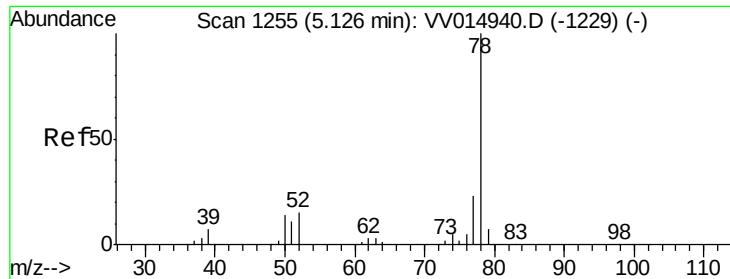
Tgt Ion: 83 Resp: 6168

Ion Ratio Lower Upper

83 100

85 72.8 44.6 82.8





#33

Benzene

Concen: 2.876 ug/L

RT: 5.13 min Scan# 1255

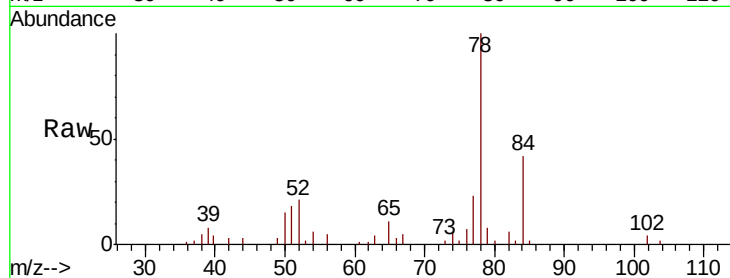
Delta R.T. 0.00 min

Lab File: VV014957.D

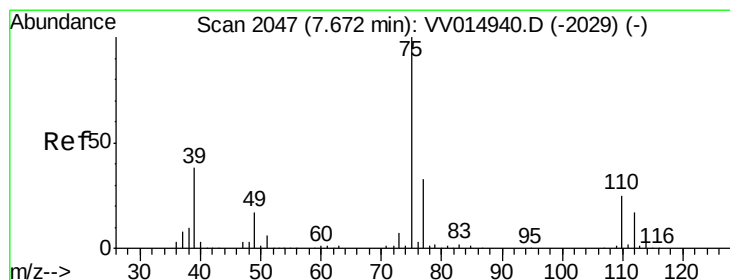
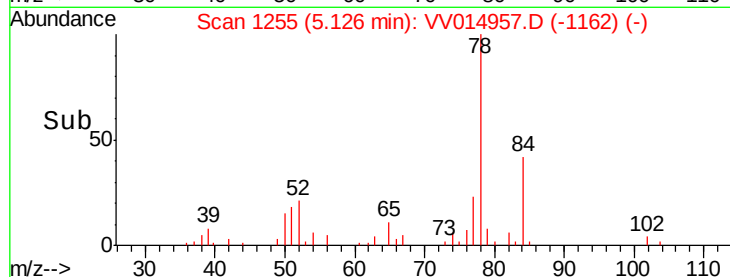
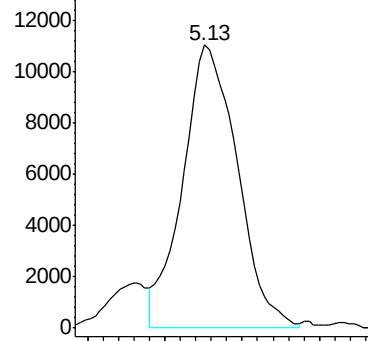
Acq: 16 Mar 2020 19:44

Instrument :
MSVOA_V
ClientSampleId :
C0DA0

Tgt Ion: 78 Resp: 27092



Abundance Ion 78.00 (77.70 to 78.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.913 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV014957.D

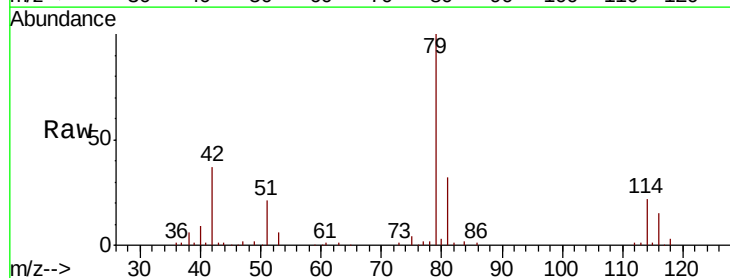
Acq: 16 Mar 2020 19:44

Tgt Ion: 75 Resp: 3154

Ion Ratio Lower Upper

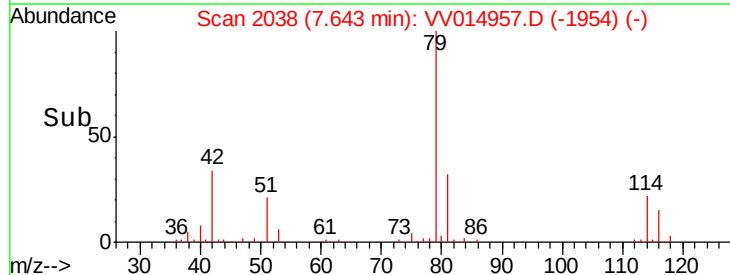
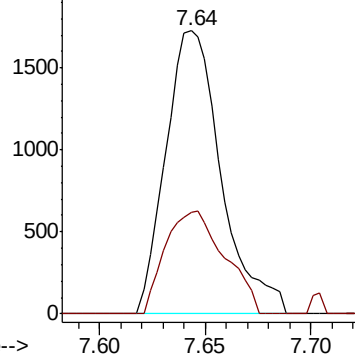
75 100

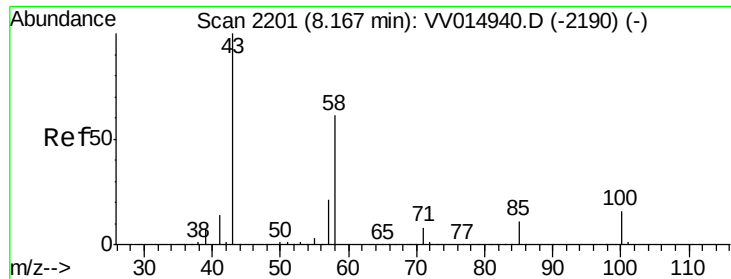
77 35.9 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

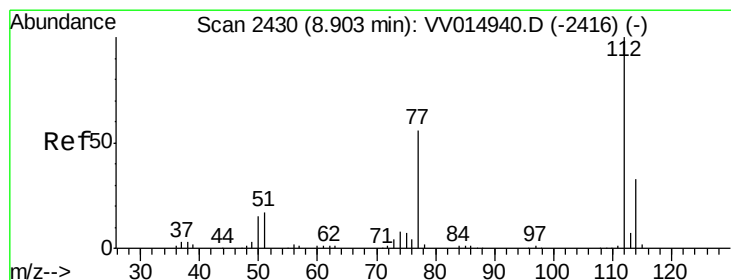
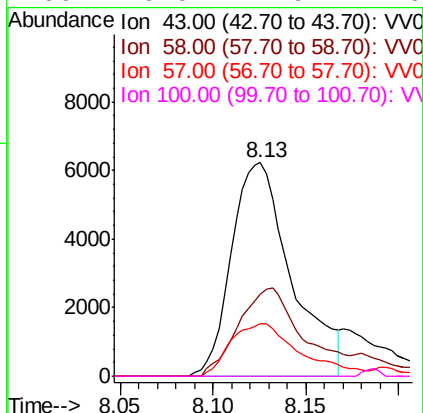
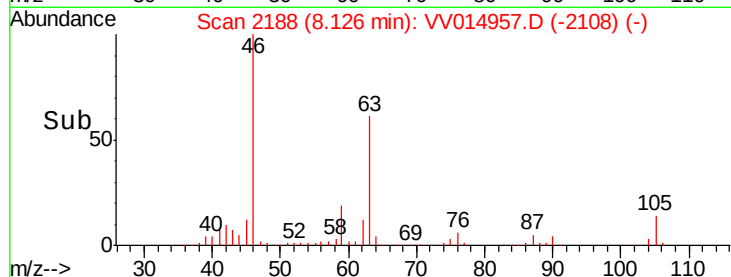
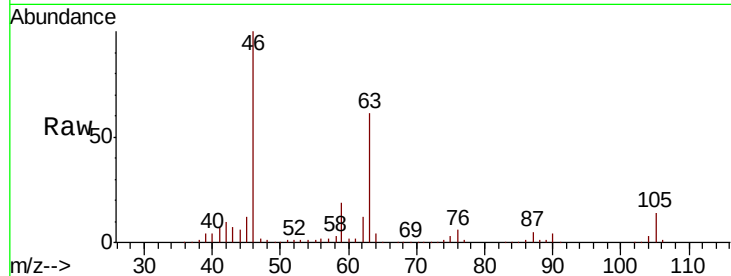




#48
2-Hexanone
Concen: 5.556 ug/L
RT: 8.13 min Scan# 2188
Delta R.T. -0.04 min
Lab File: VV014957.D
Acq: 16 Mar 2020 19:44

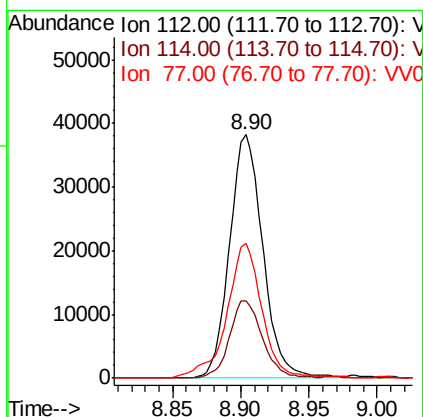
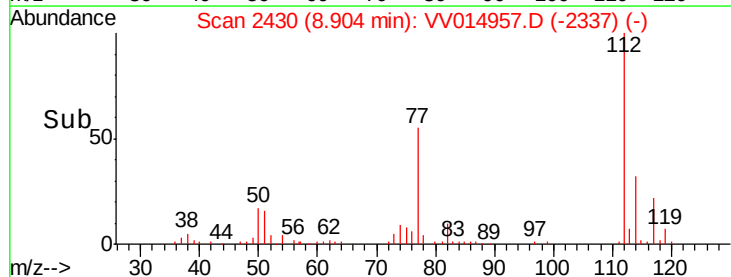
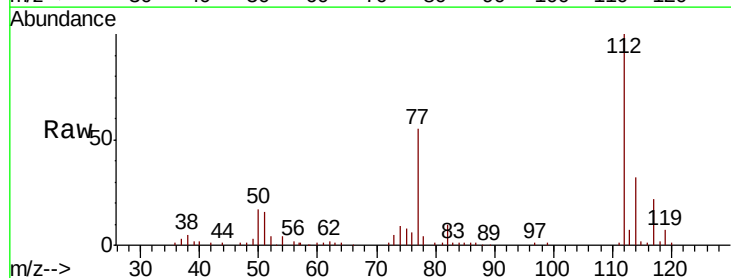
Instrument :
MSVOA_V
ClientSampleId :
C0DA0

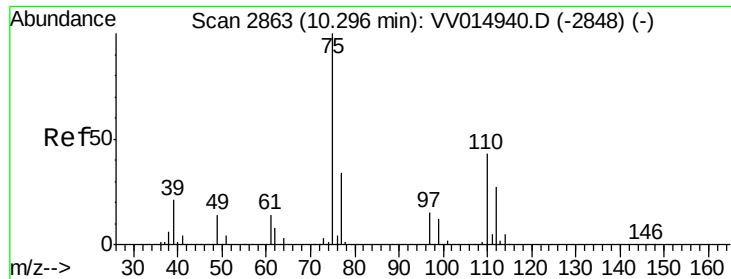
Tot Ion: 43 Resp: 14013
Ion Ratio Lower Upper
43 100
58 44.6 46.9 70.3#
57 27.6 16.2 24.4#
100 0.0 11.9 17.9#



#51
Chlorobenzene
Concen: 8.919 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014957.D
Acq: 16 Mar 2020 19:44

Tgt Ion: 112 Resp: 65113
Ion Ratio Lower Upper
112 100
114 31.9 22.8 42.4
77 55.3 44.5 66.7

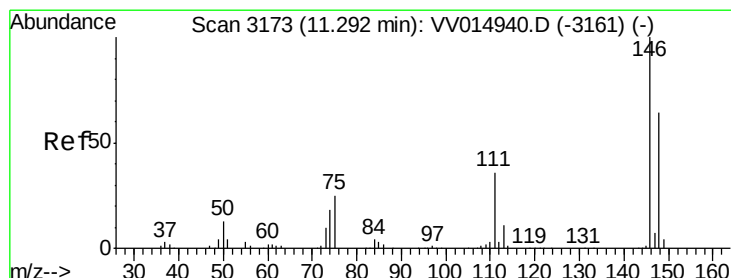
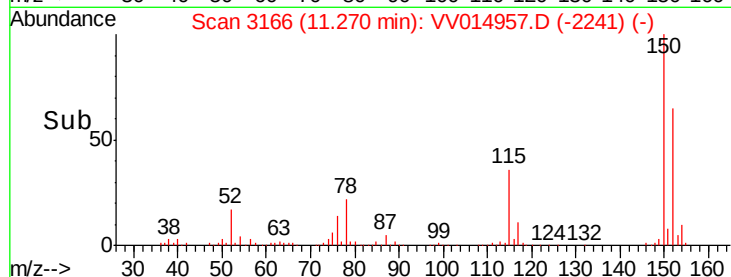
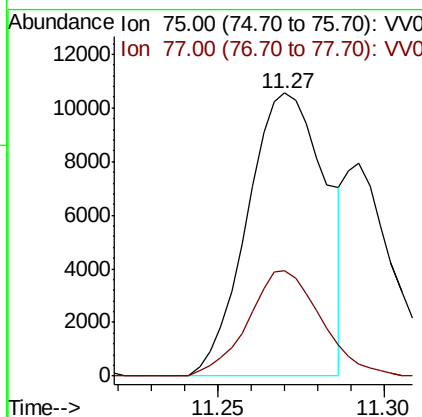
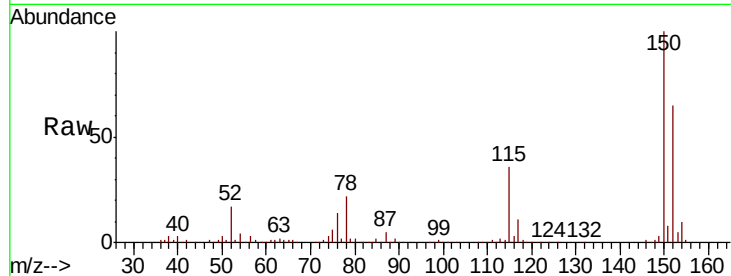




#59
 1,2,3-Trichloropropane
 Concen: 5.373 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.97 min
 Lab File: VV014957.D
 Acq: 16 Mar 2020 19:44

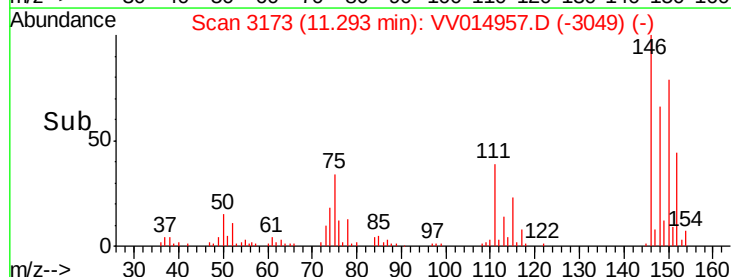
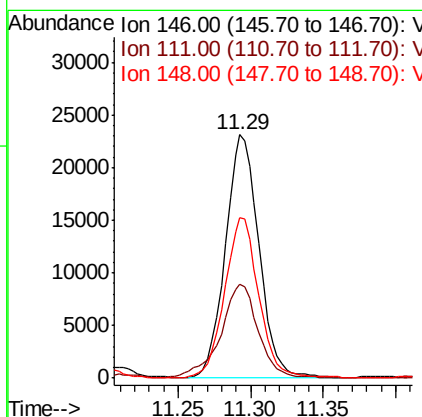
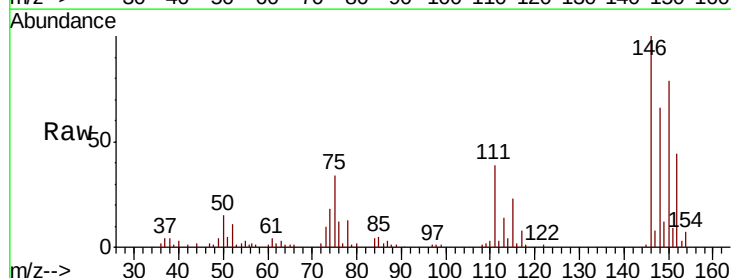
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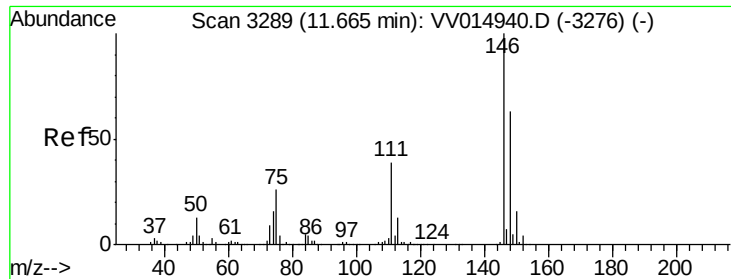
Tot Ion: 75 Resp: 17394
 Ion Ratio Lower Upper
 75 100
 77 34.8 26.6 40.0



#63
 1,4-Dichlorobenzene
 Concen: 6.697 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014957.D
 Acq: 16 Mar 2020 19:44

Tgt Ion: 146 Resp: 37076
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.0 48.2
 148 66.1 46.1 85.5





#65

1,2-Dichlorobenzene

Concen: 2.731 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014957.D

Acq: 16 Mar 2020 19:44

Instrument :

MSVOA_V

ClientSampleId :

C0DA0

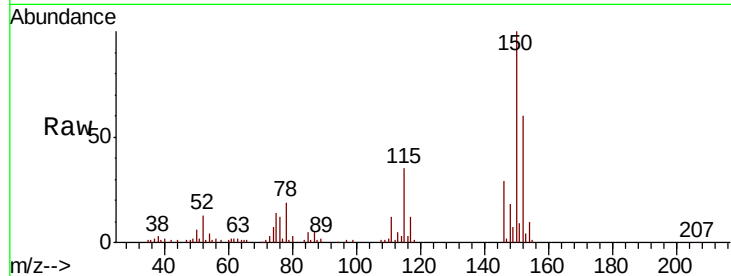
Tot Ion:146 Resp: 14995

Ion Ratio Lower Upper

146 100

111 42.1 31.6 47.4

148 62.6 52.2 78.4

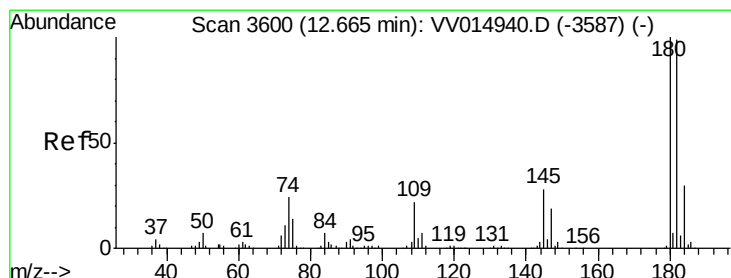
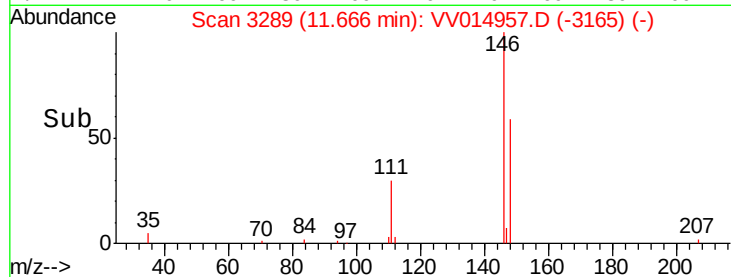
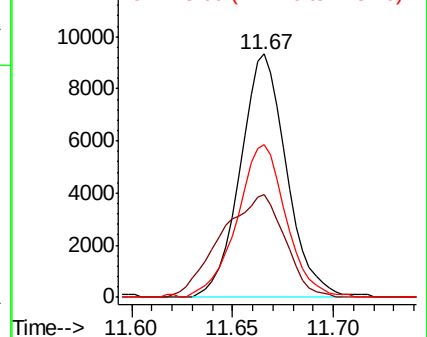


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 0.932 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV014957.D

Acq: 16 Mar 2020 19:44

Tgt Ion:180 Resp: 4014

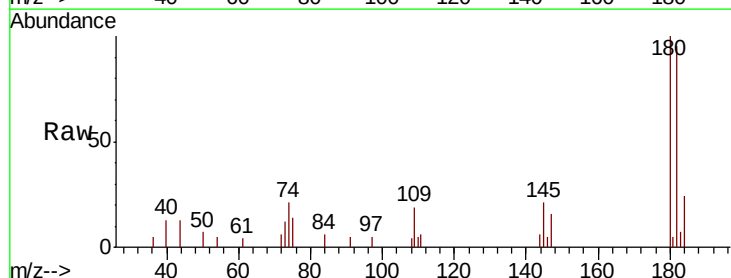
Ion Ratio Lower Upper

180 100

182 100.4 75.7 113.5

184 25.5 24.2 36.4

145 27.7 22.0 33.0



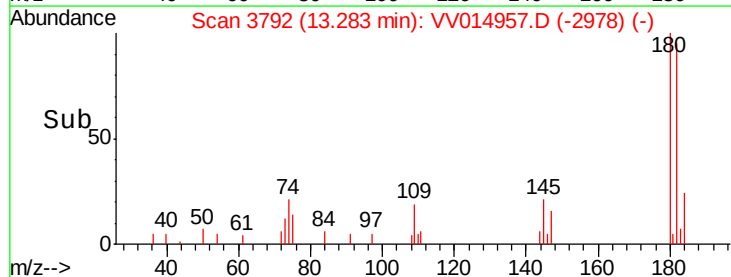
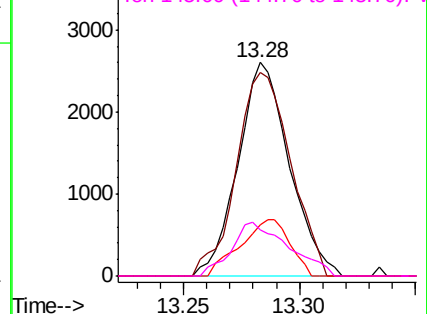
Abundance

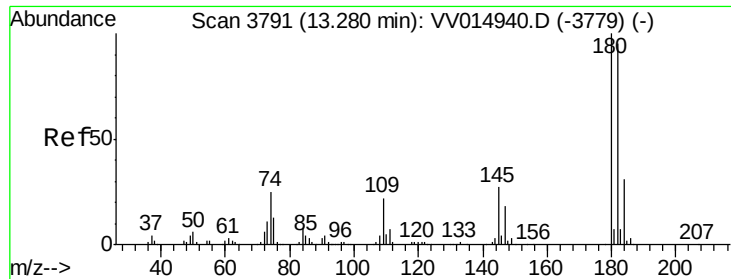
Ion 180.00 (179.70 to 180.70): V

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

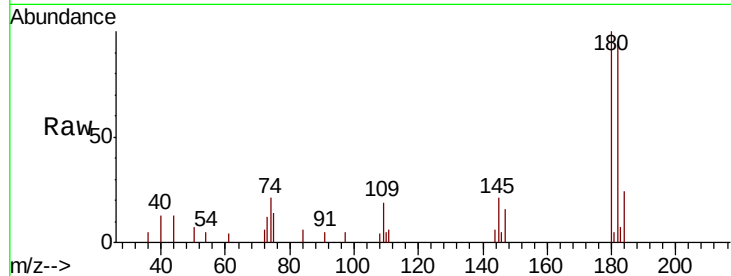




#68
 1,2,4-trichlorobenzene
 Concen: 1.045 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014957.D
 Acq: 16 Mar 2020 19:44

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA0

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	76.3	114.5
145	27.7	23.1	34.7



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

