

Data File : VV012034.D
Acq On : 25 Jul 2019 18:05
Operator : SY/MD
Sample : K3958-21
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2A31

Quant Time: Jul 26 02:40:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	129864	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	125976	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	60967	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27009	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.59	69	23456	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.13	63	45752	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.96	46	107645	54.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.12%
24) Chloroform-d	4.40	84	80636	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.08	65	47693	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.10	84	163011	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	48585	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.36	98	146461	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.66	79	17871	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.14	63	87288	53.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35432	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	60482	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

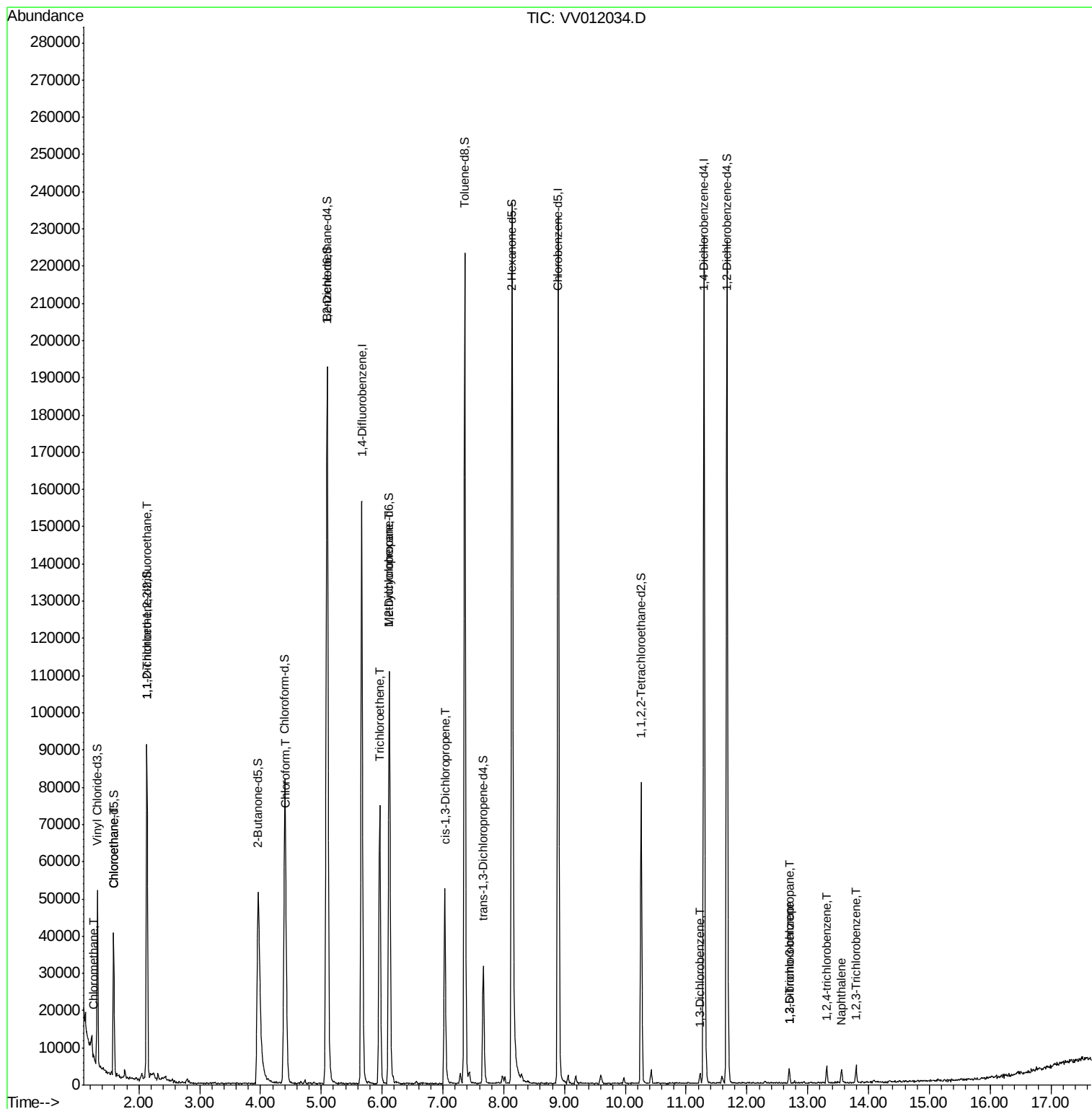
Target Compounds

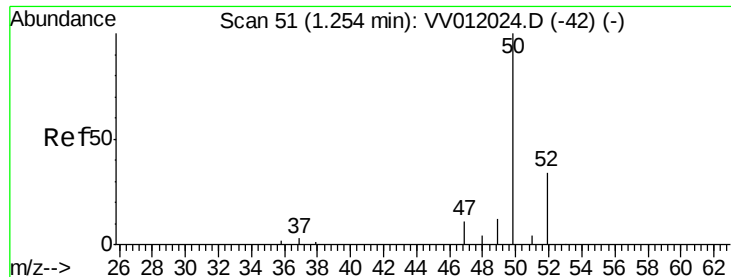
					Qvalue
3) Chloromethane	1.25	50	1137	0.146 ug/L	99
8) Chloroethane	1.60	64	401	0.085 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	707	0.107 ug/L #	23
25) Chloroform	4.42	83	7508	0.382 ug/L	95
34) Trichloroethene	5.96	95	24568	2.387 ug/L	98
35) Methylcyclohexane	6.12	83	13360	0.834 ug/L #	17
39) cis-1,3-Dichloropropene	7.03	75	1413	0.107 ug/L #	54
62) 1,3-Dichlorobenzene	11.23	146	1239	0.062 ug/L #	86
66) 1,2-Dibromo-3-chloropropan	12.70	75	230	0.216 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.70	180	1576	0.094 ug/L #	87
68) 1,2,4-trichlorobenzene	13.31	180	1664	0.123 ug/L	94
69) Naphthalene	13.55	128	3530	0.173 ug/L #	88
70) 1,2,3-Trichlorobenzene	13.79	180	1661	0.135 ug/L	93

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

Instrument :
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.146 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012034.D

Acq: 25 Jul 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

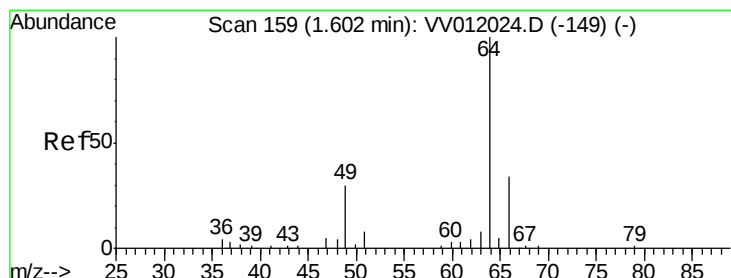
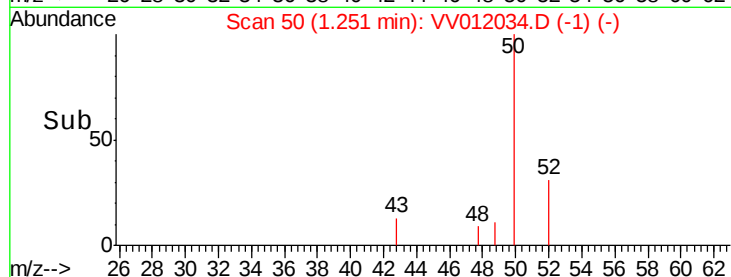
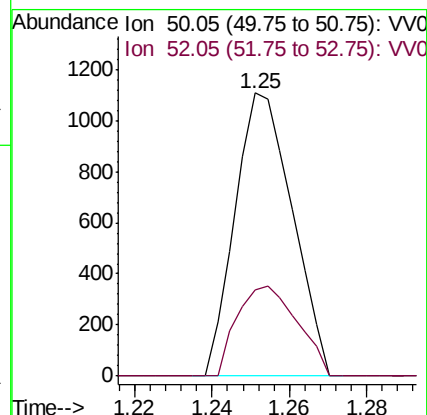
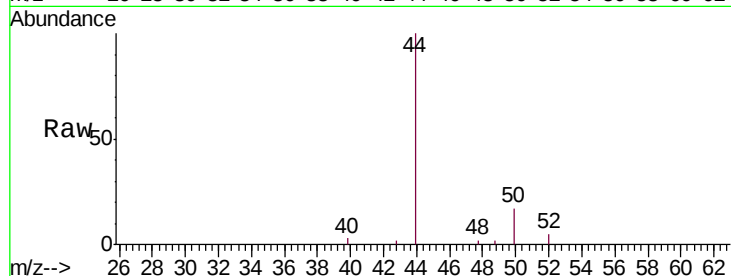
F2A31

Tgt Ion: 50 Resp: 1137

Ion Ratio Lower Upper

50 100

52 30.5 21.6 40.2



#8

Chloroethane

Concen: 0.085 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.01 min

Lab File: VV012034.D

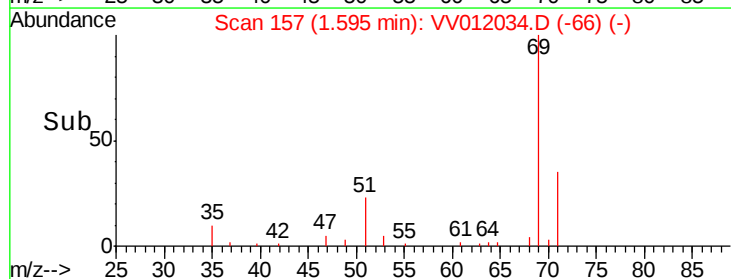
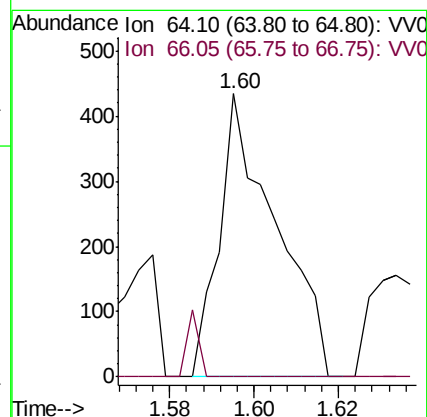
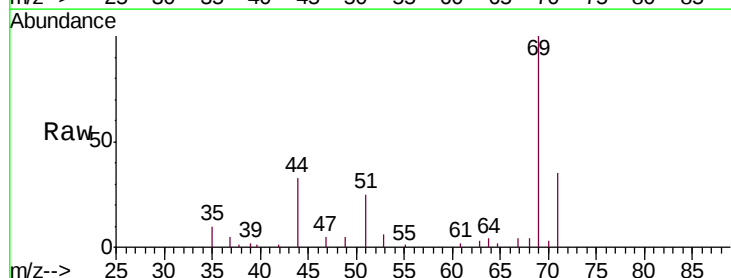
Acq: 25 Jul 2019 18:05

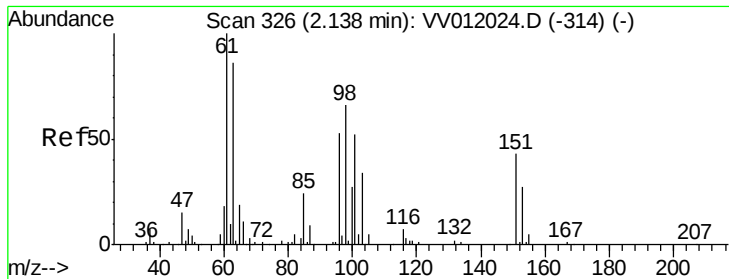
Tgt Ion: 64 Resp: 401

Ion Ratio Lower Upper

64 100

66 0.0 21.8 40.6#





#10

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

Concen: 0.107 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012034.D

Acq: 25 Jul 2019 18:05

Instrument :

MSVOA_V

ClientSampled :

F2A31

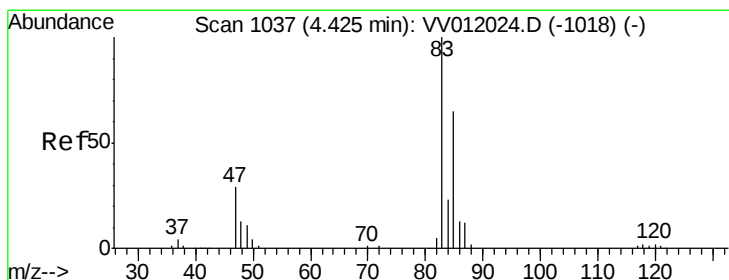
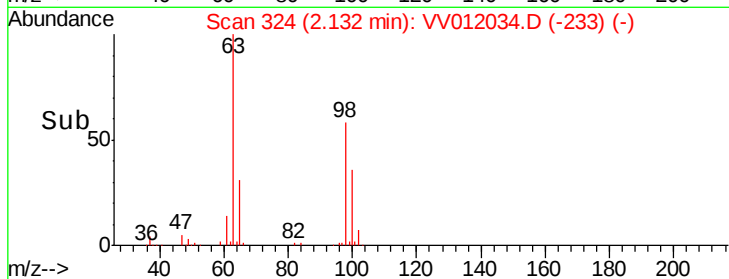
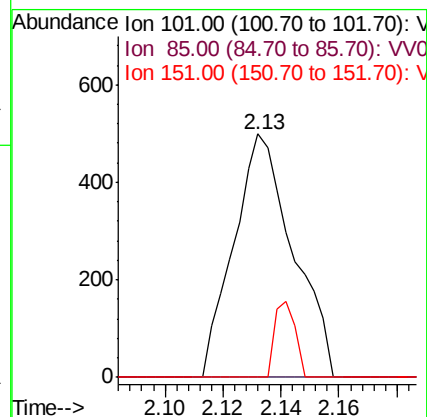
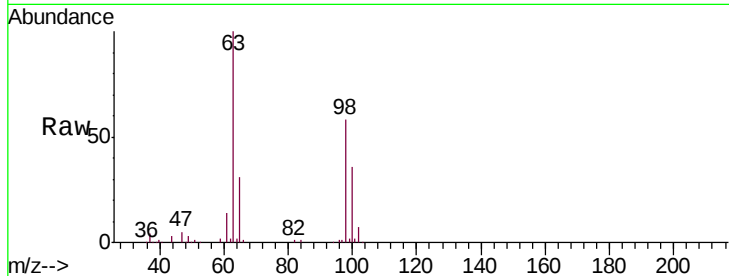
Tgt Ion: 101 Resp: 707

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

151 11.0 68.3 102.5#



#25

Chloroform

Concen: 0.382 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012034.D

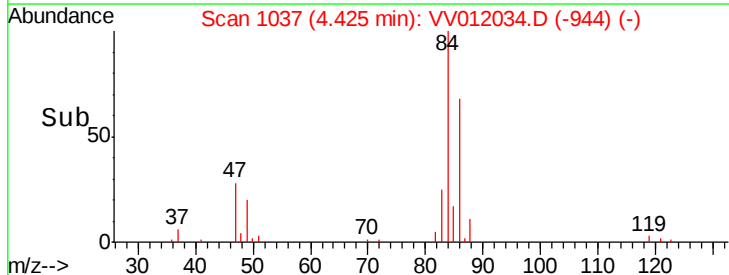
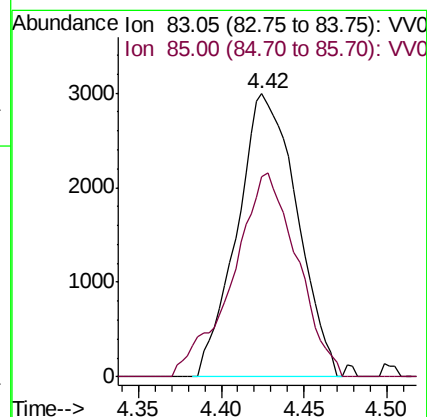
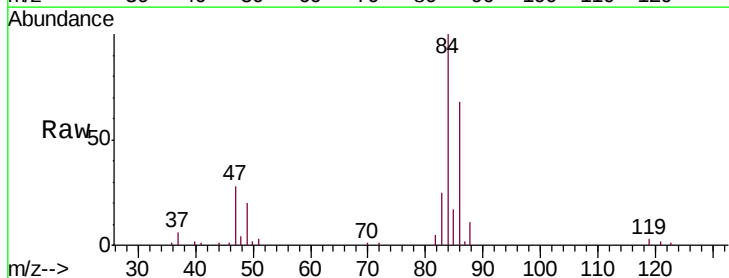
Acq: 25 Jul 2019 18:05

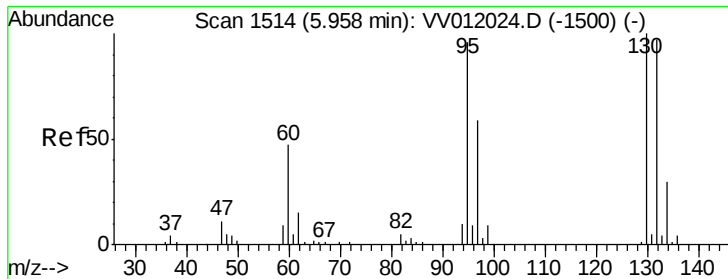
Tgt Ion: 83 Resp: 7508

Ion Ratio Lower Upper

83 100

85 70.7 46.5 86.3





#34

Trichloroethene

Concen: 2.387 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012034.D

Acq: 25 Jul 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

F2A31

Tgt Ion: 95 Resp: 24568

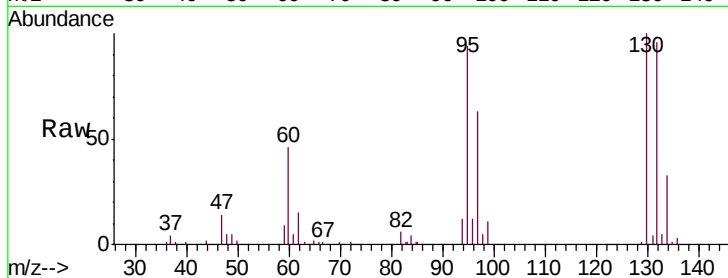
Ion Ratio Lower Upper

95 100

97 67.3 45.6 84.6

132 102.0 71.3 132.3

130 106.1 72.8 135.2

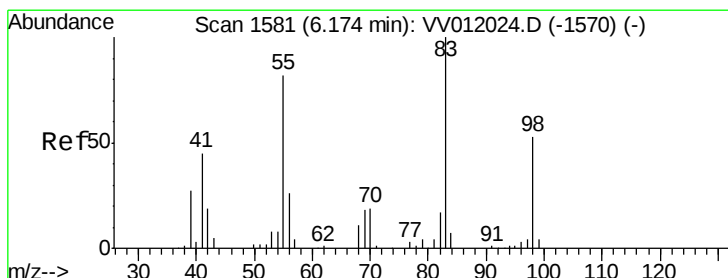
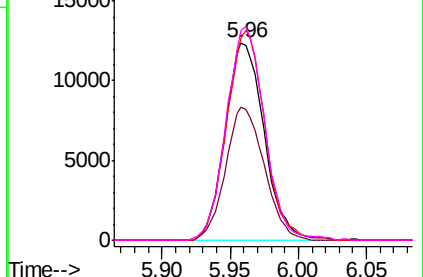
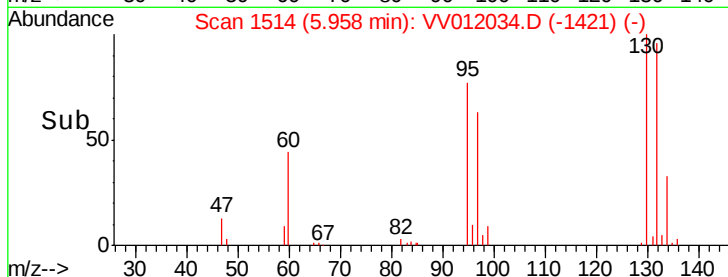


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.834 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012034.D

Acq: 25 Jul 2019 18:05

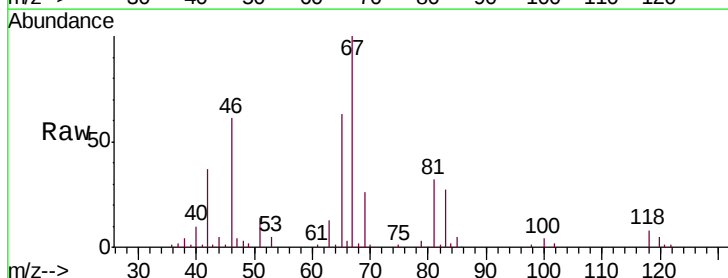
Tgt Ion: 83 Resp: 13360

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

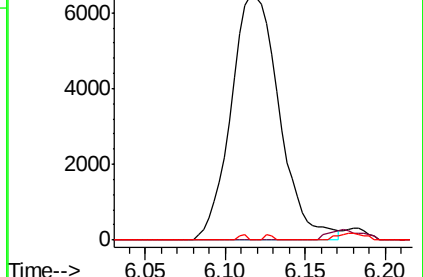
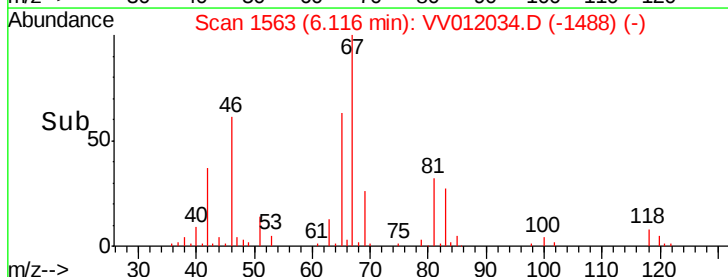
98 0.4 41.4 62.0#

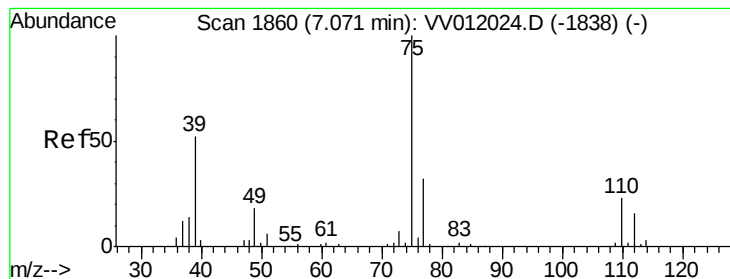


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV012034.D

Acq: 25 Jul 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

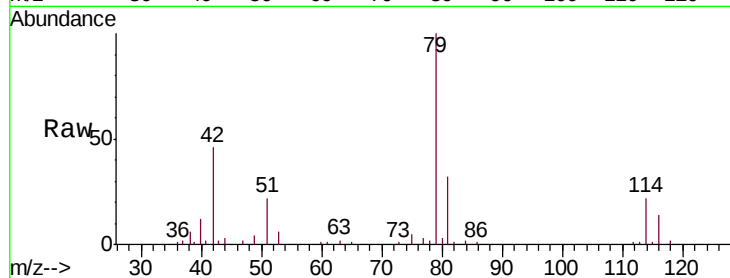
F2A31

Tgt Ion: 75 Resp: 1413

Ion Ratio Lower Upper

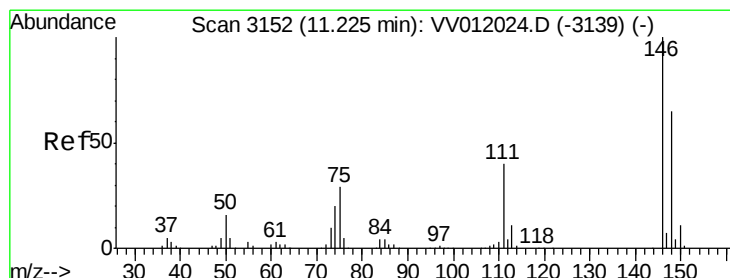
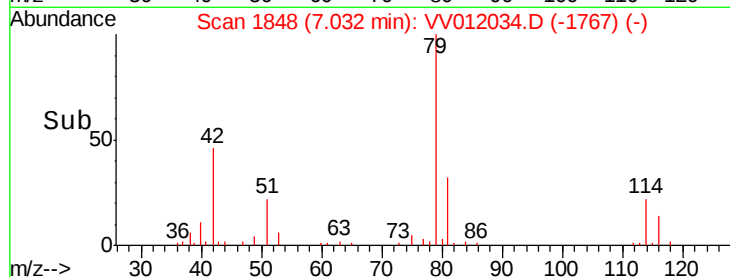
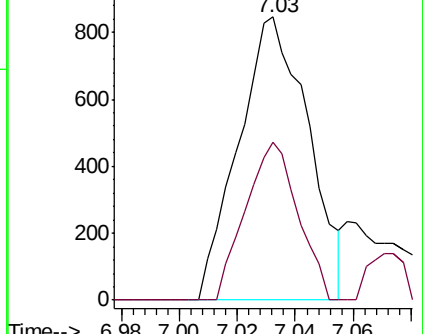
75 100

77 55.8 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#62

1,3-Dichlorobenzene

Concen: 0.062 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV012034.D

Acq: 25 Jul 2019 18:05

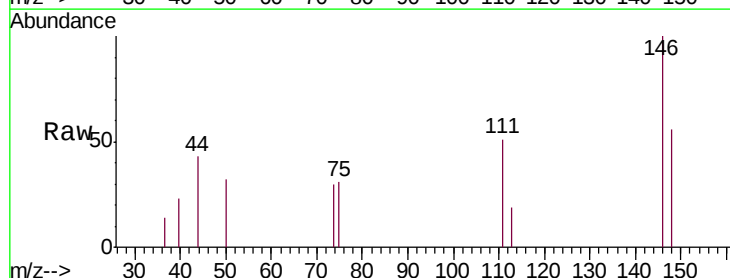
Tgt Ion: 146 Resp: 1239

Ion Ratio Lower Upper

146 100

111 50.7 27.1 50.3#

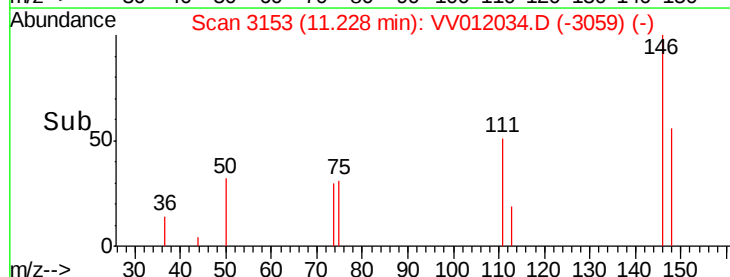
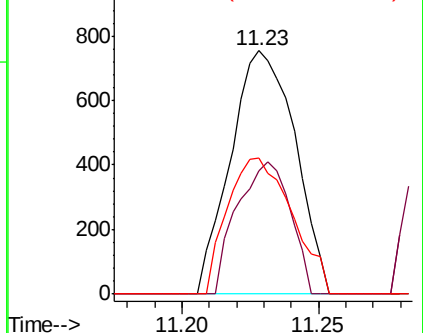
148 55.9 44.5 82.7

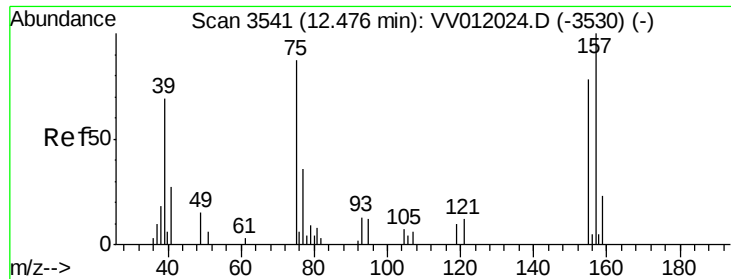


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

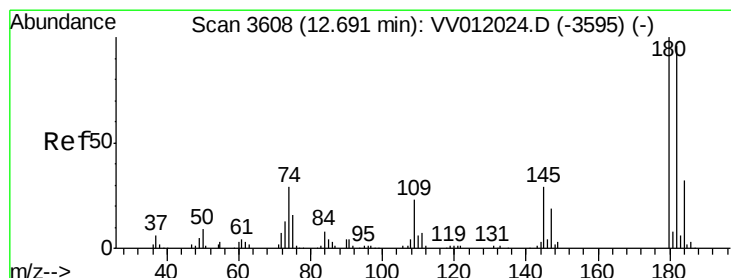
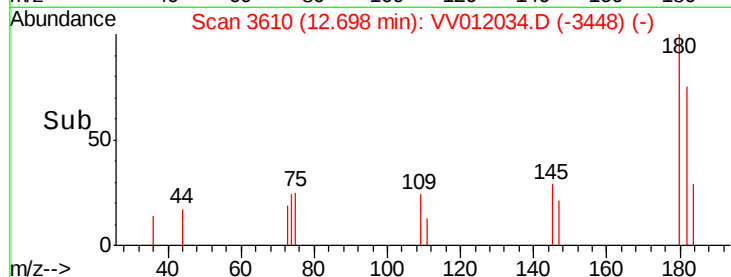
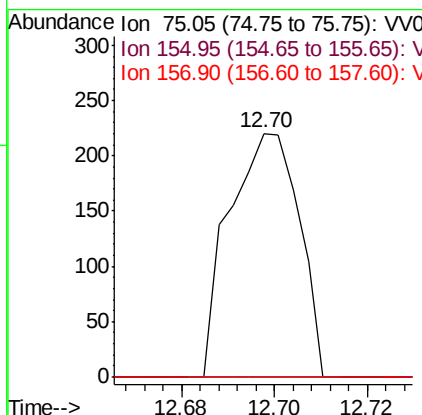
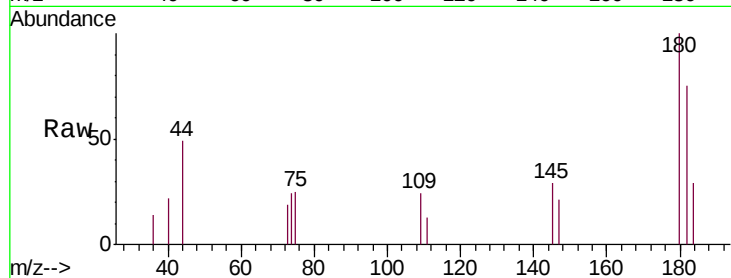




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.216 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.22 min
 Lab File: VV012034.D
 Acq: 25 Jul 2019 18:05

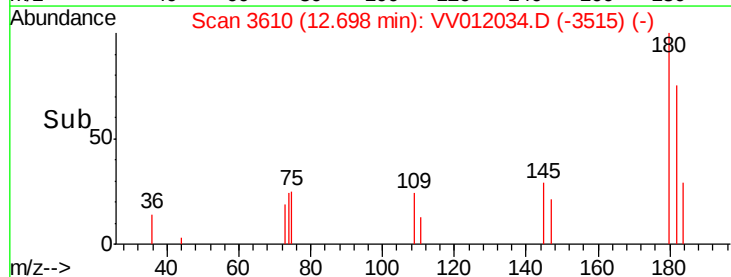
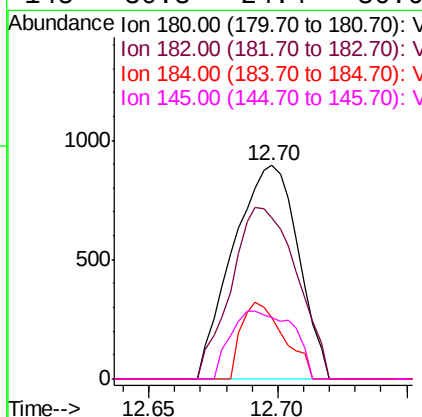
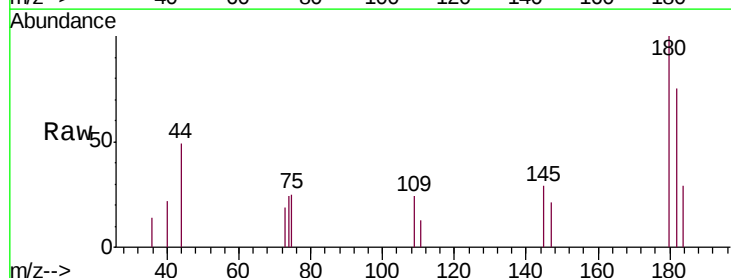
Instrument :
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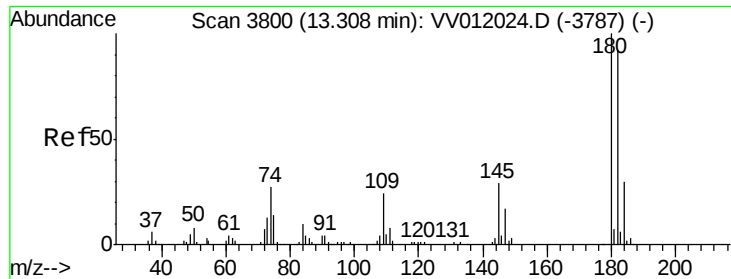
Tgt Ion: 75 Resp: 230
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 96.2 144.2#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.094 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.01 min
 Lab File: VV012034.D
 Acq: 25 Jul 2019 18:05

Tgt Ion: 180 Resp: 1576
 Ion Ratio Lower Upper
 180 100
 182 80.5 77.4 116.0
 184 23.4 25.2 37.8#
 145 30.3 24.4 36.6

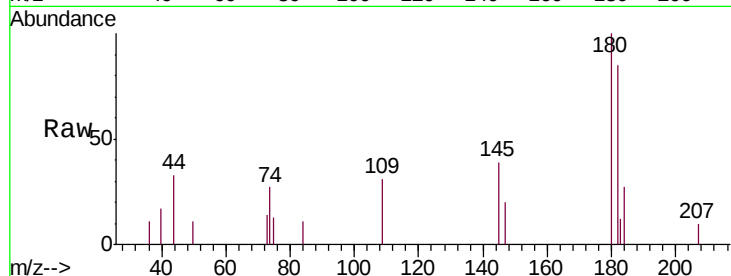




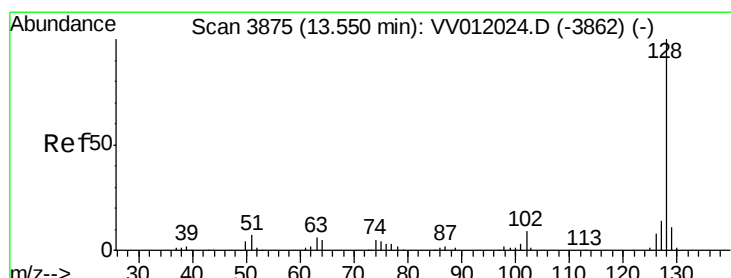
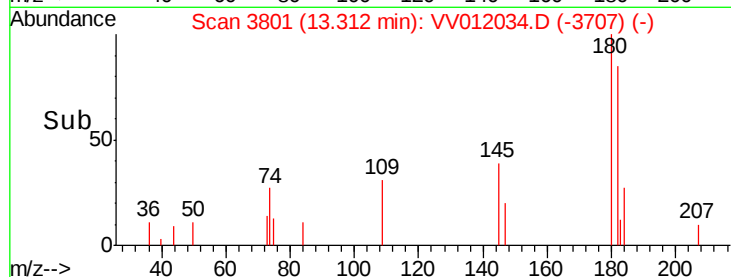
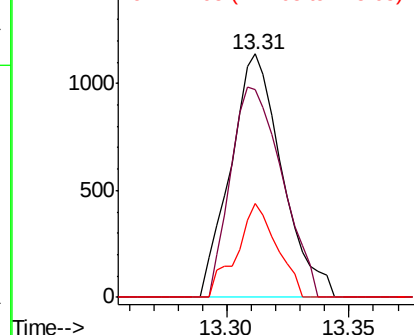
#68
1,2,4-trichlorobenzene
Concen: 0.123 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.00 min
Lab File: VV012034.D
Acq: 25 Jul 2019 18:05

Instrument :
MSVOA_V
ClientSampled :
F2A31

Tgt Ion:180 Resp: 1664
Ion Ratio Lower Upper
180 100
182 87.0 75.8 113.8
145 29.9 23.4 35.2

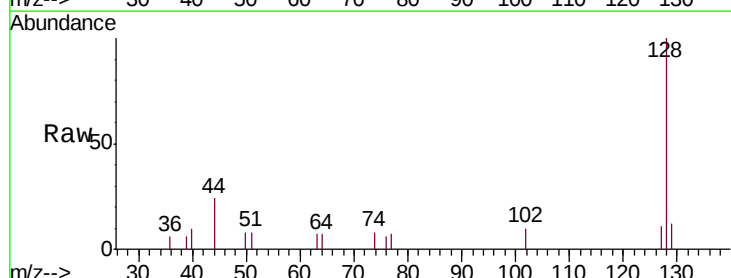


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

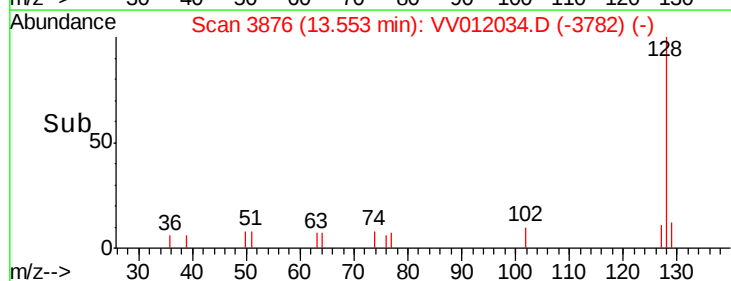
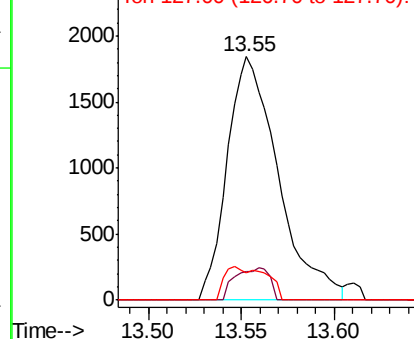


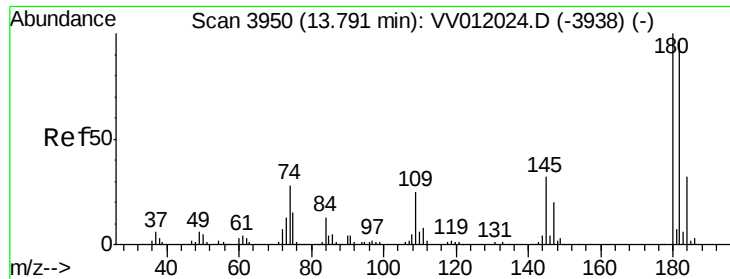
#69
Naphthalene
Concen: 0.173 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012034.D
Acq: 25 Jul 2019 18:05

Tgt Ion:128 Resp: 3530
Ion Ratio Lower Upper
128 100
129 8.8 8.2 12.2
127 5.9 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#70

1,2,3-Trichlorobenzene

Concen: 0.135 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012034.D

Acq: 25 Jul 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

F2A31

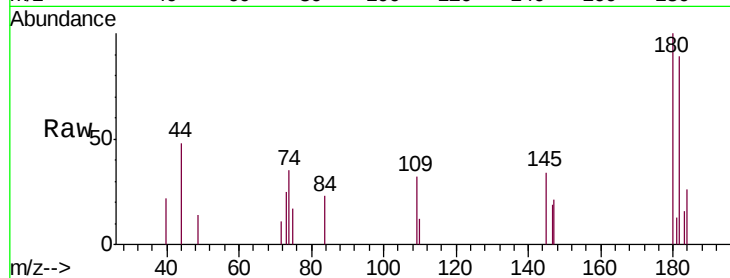
Tgt Ion:180 Resp: 1661

Ion Ratio Lower Upper

180 100

182 85.8 75.5 113.3

145 31.2 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

