

Data File : VV009781.D
Acq On : 19 Mar 2019 16:30
Operator : SY/MD
Sample : K1967-02DL 40X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09B0DL

Quant Time: Mar 20 05:20:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 20 05:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	151096	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	141590	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57378	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41844	41.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.14%
7) Chloroethane-d5	1.56	69	34107	45.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.76%
11) 1,1-Dichloroethene-d2	2.12	63	70129	32.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.66%
21) 2-Butanone-d5	3.93	46	53340	87.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.90%
24) Chloroform-d	4.40	84	81277	43.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.86%
26) 1,2-Dichloroethane-d4	5.08	65	51697	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
32) Benzene-d6	5.10	84	170355	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
36) 1,2-Dichloropropane-d6	6.12	67	52265	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.80%
41) Toluene-d8	7.36	98	160726	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%
43) trans-1,3-Dichloropropene-	7.66	79	22787	42.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.56%
47) 2-Hexanone-d5	8.14	63	37898	82.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.66%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	74031	43.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.64%
64) 1,2-Dichlorobenzene-d4	11.68	152	56737	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	605	0.582	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	606	0.673	ug/L #	1
33) Benzene	5.15	78	27604	7.143	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	1917	1.273	ug/L #	71
44) trans-1,3-Dichloropropene	7.66	75	1263	0.886	ug/L #	62
51) Chlorobenzene	8.93	112	155774	53.871	ug/L	98
59) 1,2,3-Trichloropropane	11.23	75	2653	2.046	ug/L #	42
62) 1,3-Dichlorobenzene	11.23	146	8609	4.573	ug/L	90
63) 1,4-Dichlorobenzene	11.32	146	37041	19.505	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	41456	21.584	ug/L	97
67) 1,3,5-Trichlorobenzene	13.31	180	12136	10.137	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	12136	14.464	ug/L	96
70) 1,2,3-Trichlorobenzene	13.79	180	2830	3.364	ug/L #	59

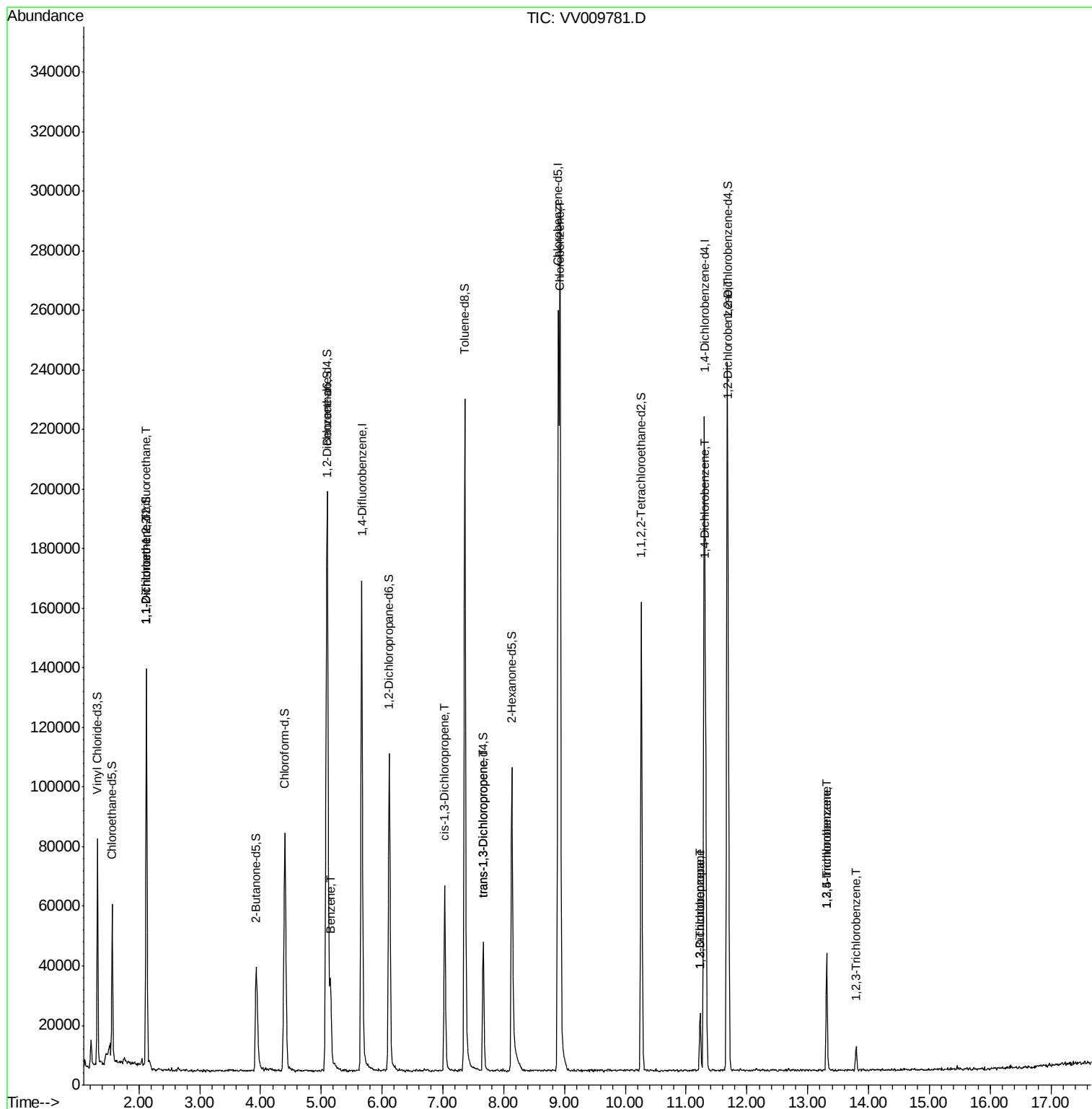
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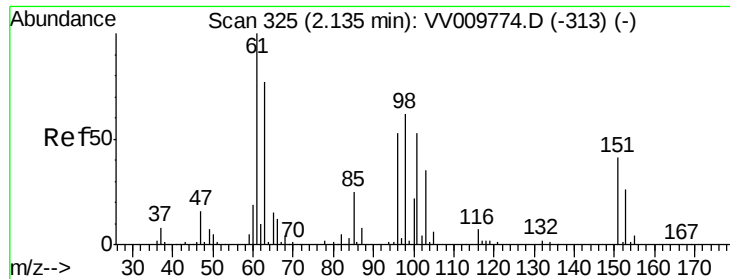
Data File : VV009781.D

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Acq On       : 19 Mar 2019   16:30
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Quant Title : VOC Analysis
QLast Update : Wed Mar 20 05:16:13 2019
Response via : Initial Calibration





#10

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

Concen: 0.582 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009781.D

Acq: 19 Mar 2019 16:30

Instrument :

MSVOA_V

ClientSampleId :

C09B0DL

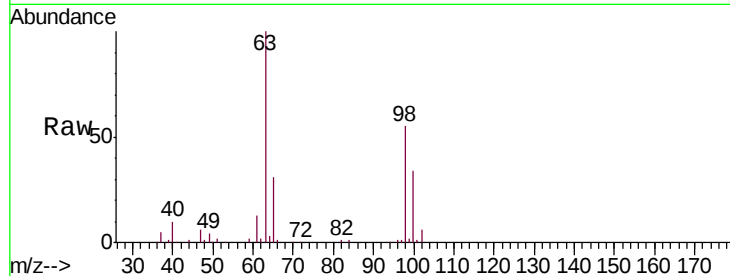
Tgt Ion: 101 Resp: 605

Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

151 0.0 58.9 88.3#



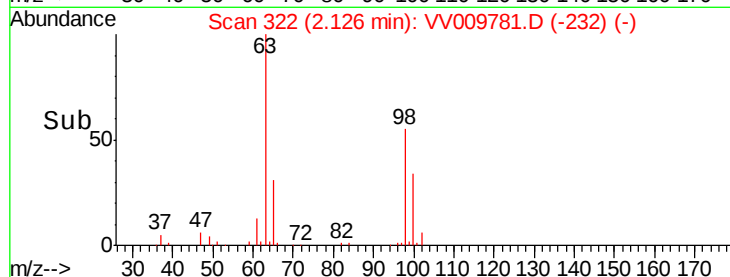
Abundance Ion 101.00 (100.70 to 101.70): VV009781.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV009781.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV009781.D (-232) (-)

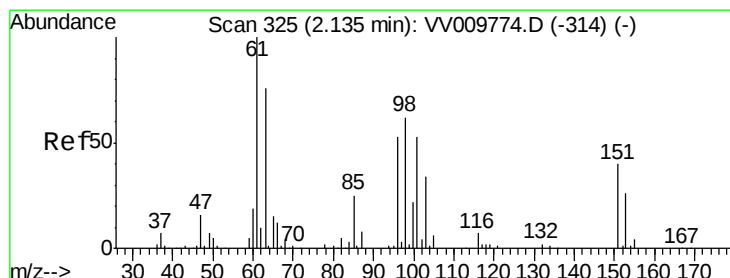
2.13

Time-->



Abundance

Time-->



#12

1,1-Dichloroethene

Concen: 0.673 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009781.D

Acq: 19 Mar 2019 16:30

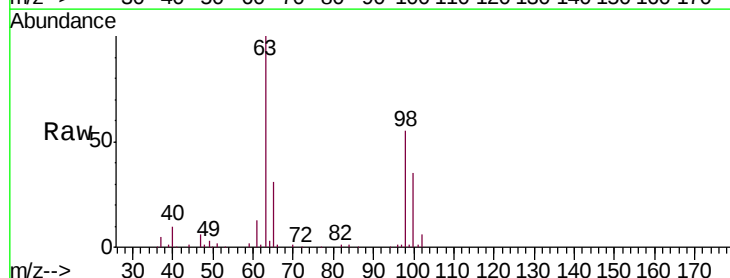
Tgt Ion: 96 Resp: 606

Ion Ratio Lower Upper

96 100

61 1463.1 135.5 251.7#

63 11296.6 100.2 186.2#



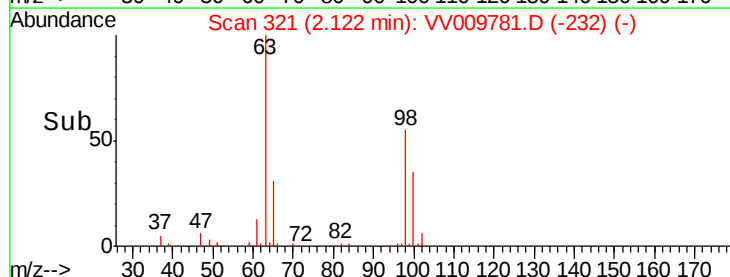
Abundance Ion 96.00 (95.70 to 96.70): VV009781.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV009781.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV009781.D (-232) (-)

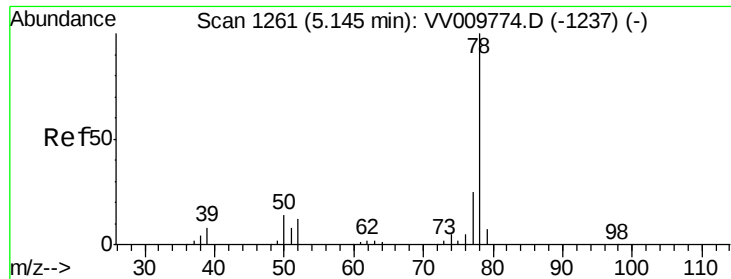
2.12

Time-->



Abundance

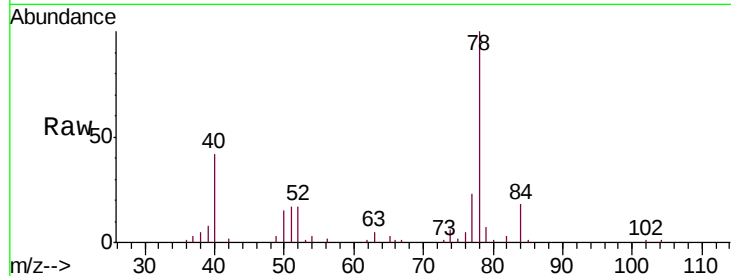
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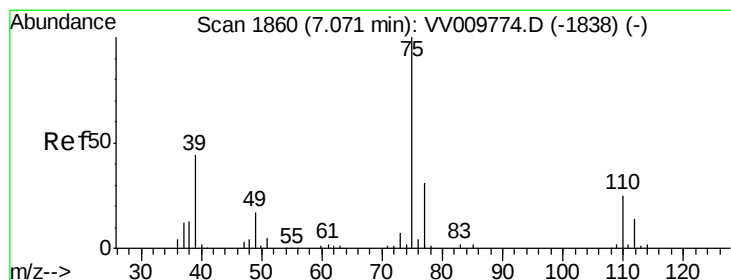
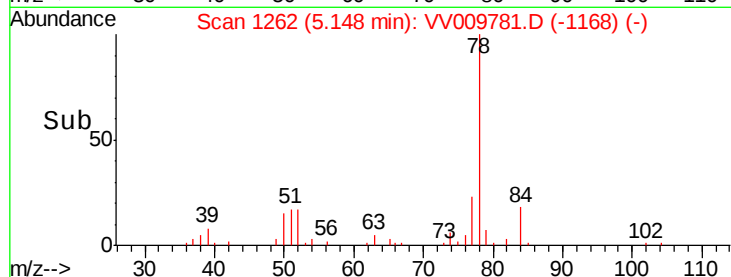
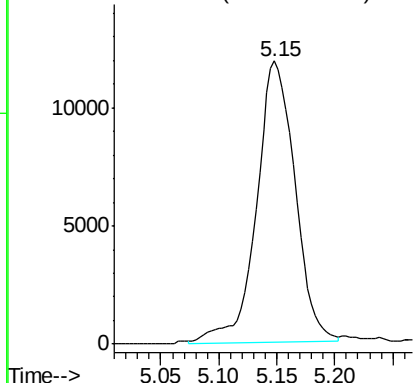
#33
Benzene
Concen: 7.143 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009781.D
Acq: 19 Mar 2019 16:30

Instrument :
MSVOA_V
ClientSampleId :
C09B0DL

Tgt Ion: 78 Resp: 27604

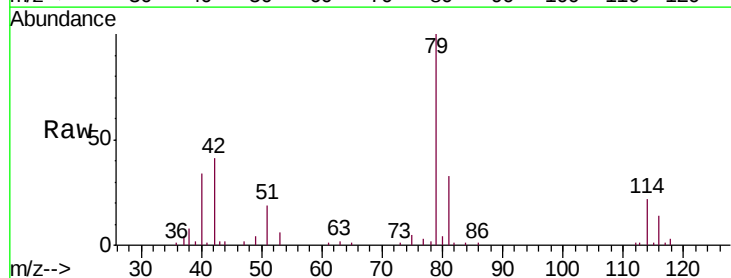


Abundance Ion 78.00 (77.70 to 78.70): VV0

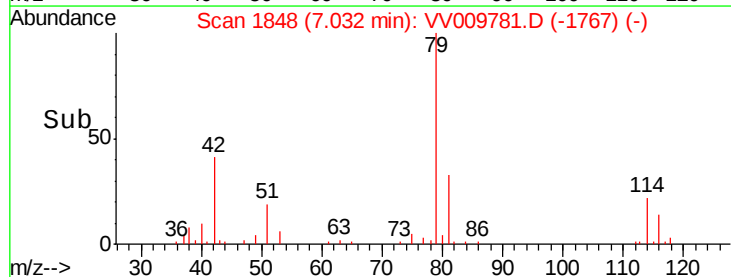
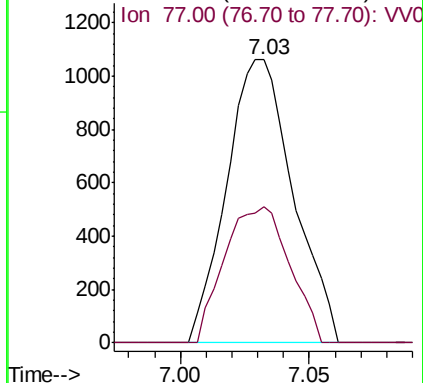


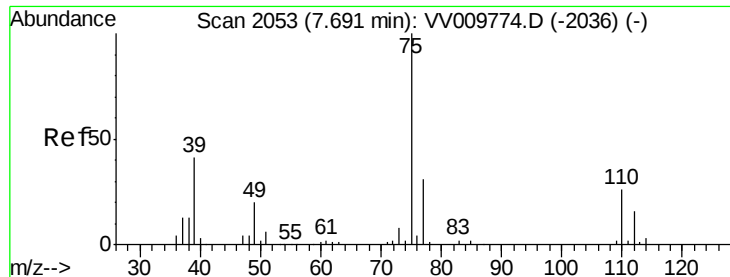
#39
cis-1,3-Dichloropropene
Concen: 1.273 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV009781.D
Acq: 19 Mar 2019 16:30

Tgt Ion: 75 Resp: 1917
Ion Ratio Lower Upper
75 100
77 48.2 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.886 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009781.D

Acq: 19 Mar 2019 16:30

Instrument :

MSVOA_V

ClientSampleId :

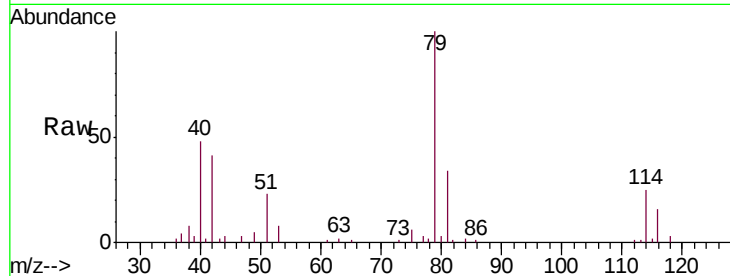
C09B0DL

Tgt Ion: 75 Resp: 1263

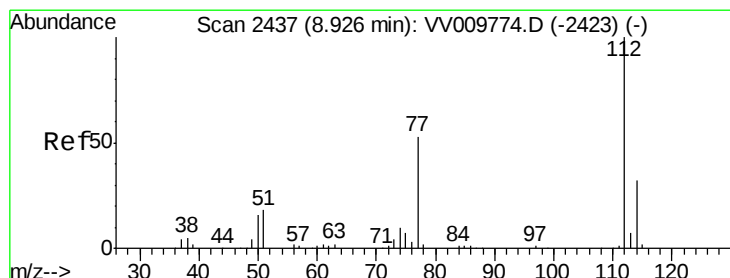
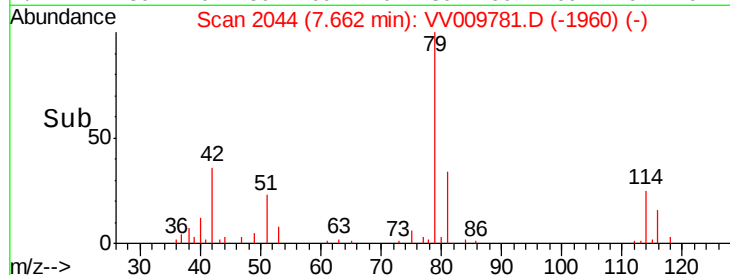
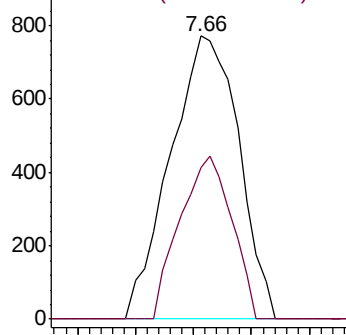
Ion Ratio Lower Upper

75 100

77 53.5 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VV009774.D (-2036) (-)



#51

Chlorobenzene

Concen: 53.871 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009781.D

Acq: 19 Mar 2019 16:30

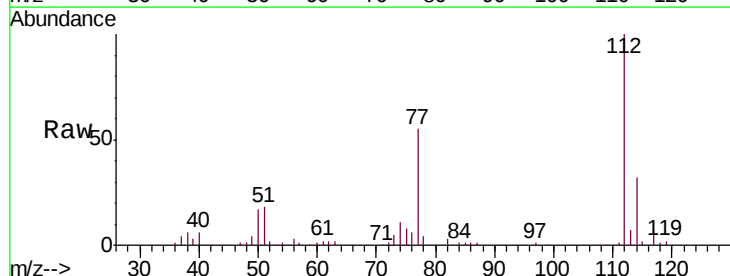
Tgt Ion: 112 Resp: 155774

Ion Ratio Lower Upper

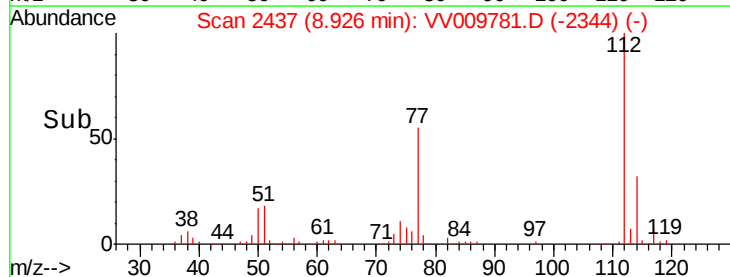
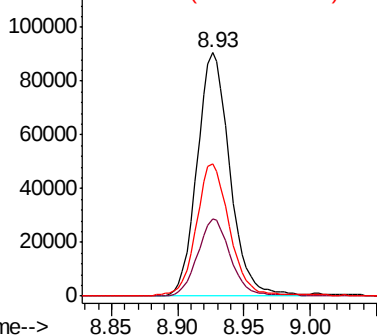
112 100

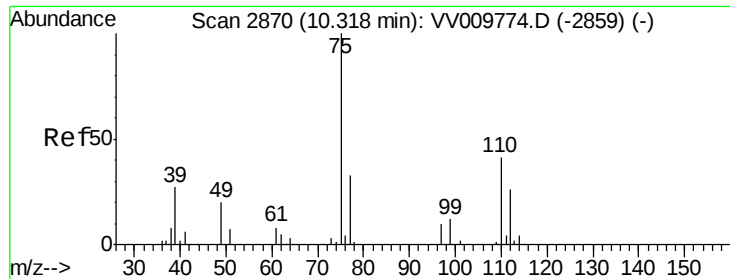
114 31.5 22.5 41.9

77 54.6 45.4 68.2



Abundance Ion 112.00 (111.70 to 112.70): VV009774.D (-2423) (-)

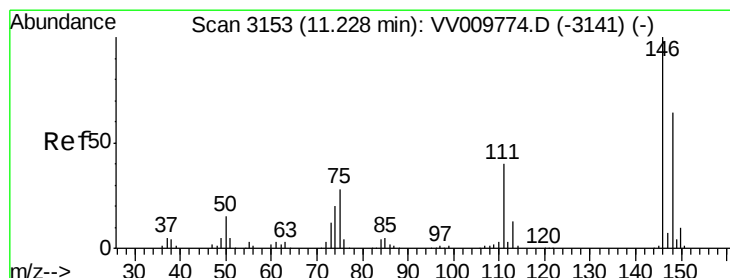
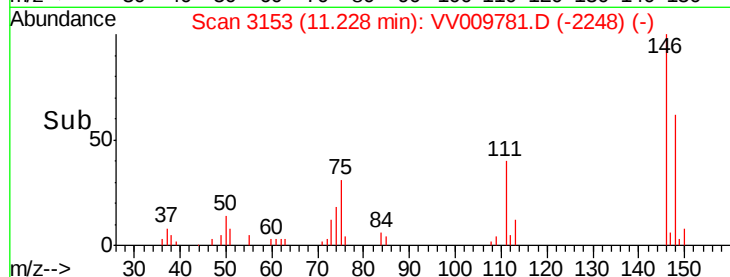
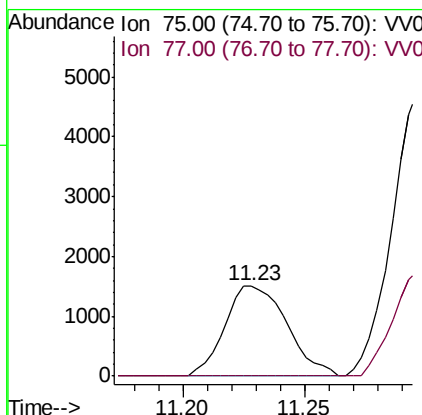
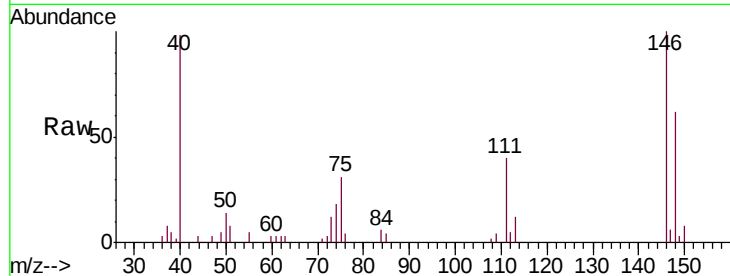




#59
 1,2,3-Trichloropropane
 Concen: 2.046 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.91 min
 Lab File: VV009781.D
 Acq: 19 Mar 2019 16:30

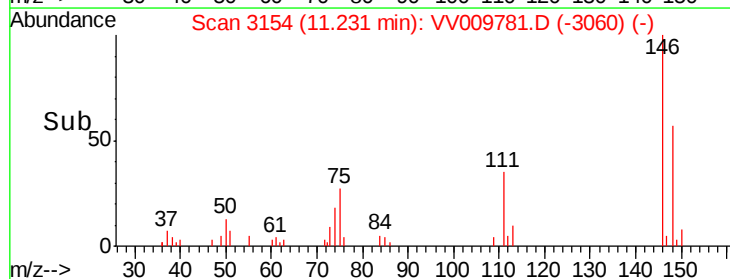
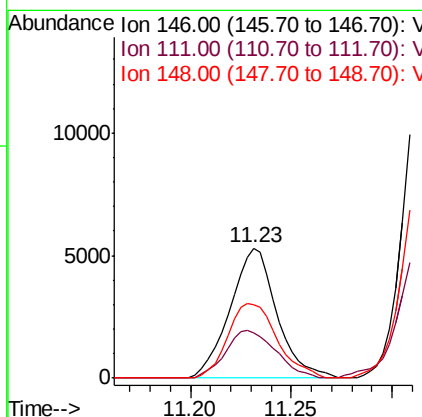
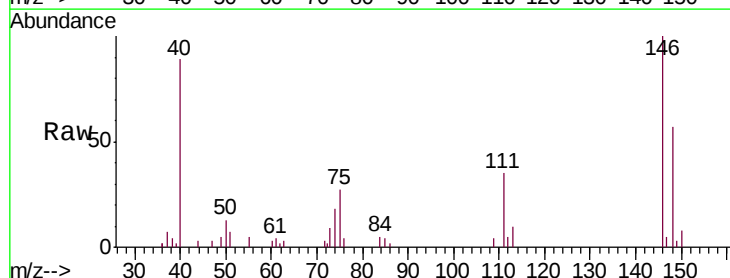
Instrument :
 MSVOA_V
 ClientSampled :
 C09B0DL

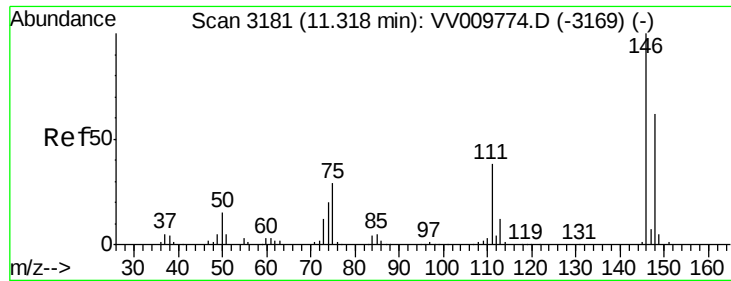
Tgt Ion: 75 Resp: 2653
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#



#62
 1,3-Dichlorobenzene
 Concen: 4.573 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV009781.D
 Acq: 19 Mar 2019 16:30

Tgt Ion: 146 Resp: 8609
 Ion Ratio Lower Upper
 146 100
 111 34.7 28.8 53.4
 148 56.9 44.8 83.2

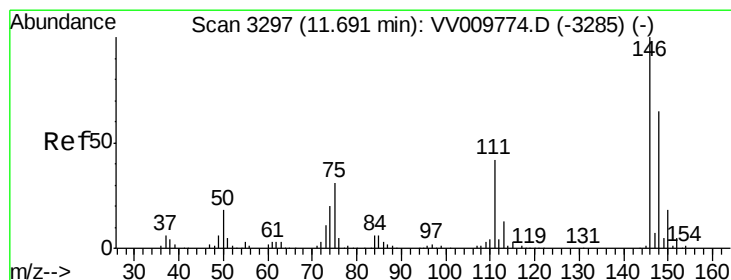
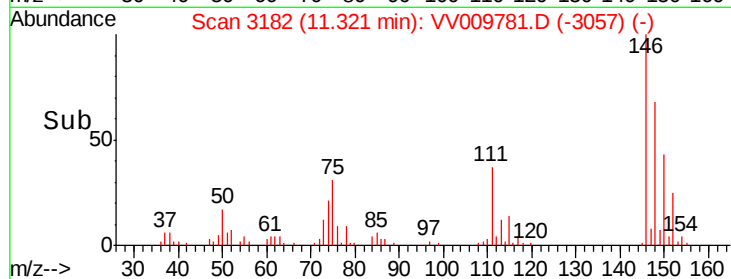
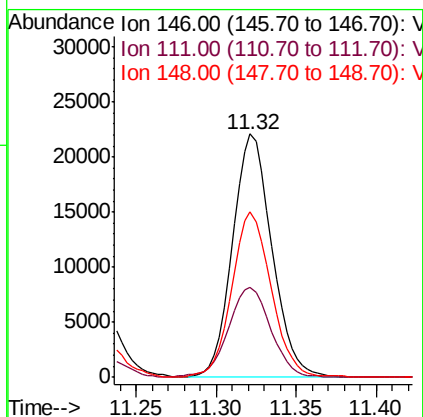
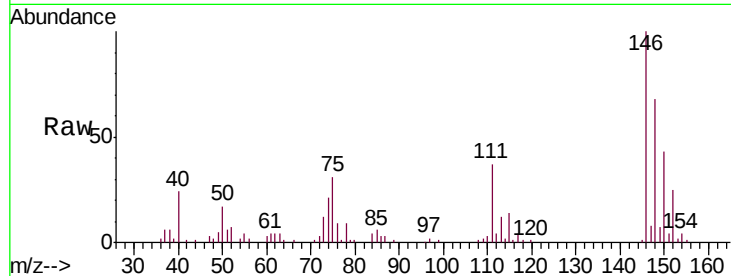




#63
1,4-Dichlorobenzene
Concen: 19.505 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VV009781.D
Acq: 19 Mar 2019 16:30

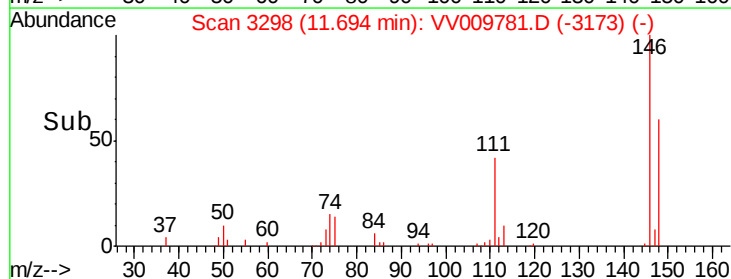
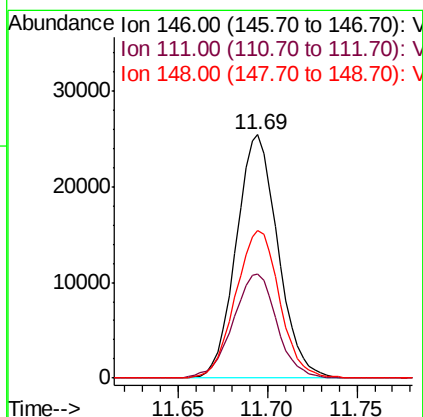
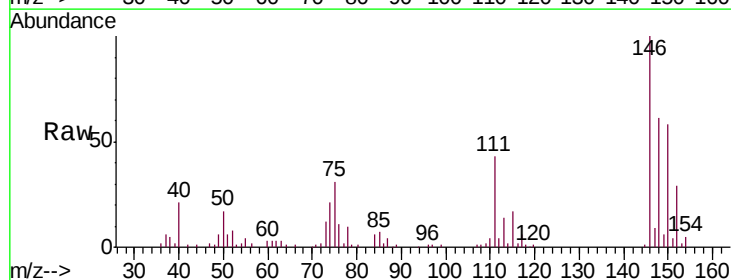
Instrument :
MSVOA_V
ClientSampleId :
C09B0DL

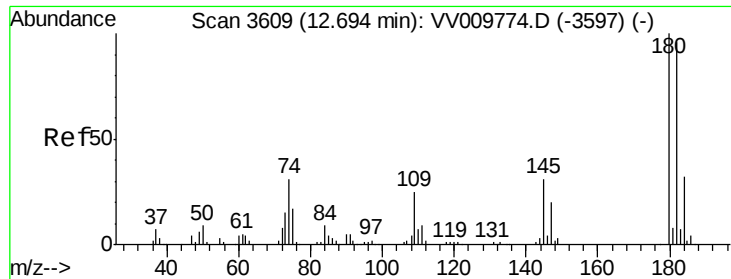
Tgt Ion:146 Resp: 37041
Ion Ratio Lower Upper
146 100
111 36.9 26.7 49.5
148 67.7 44.3 82.3



#65
1,2-Dichlorobenzene
Concen: 21.584 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VV009781.D
Acq: 19 Mar 2019 16:30

Tgt Ion:146 Resp: 41456
Ion Ratio Lower Upper
146 100
111 42.9 32.2 48.4
148 60.9 49.6 74.4

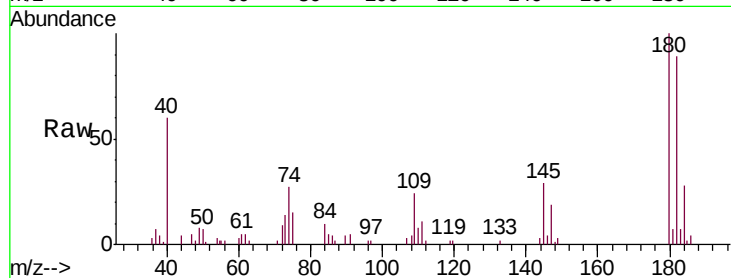




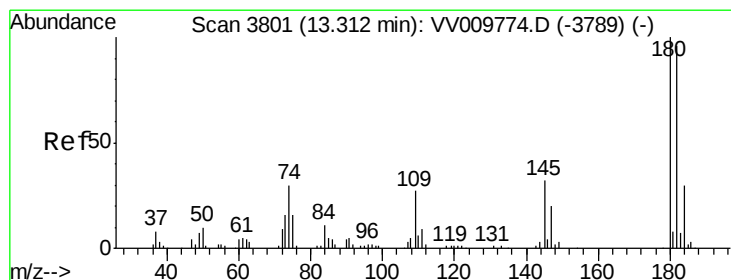
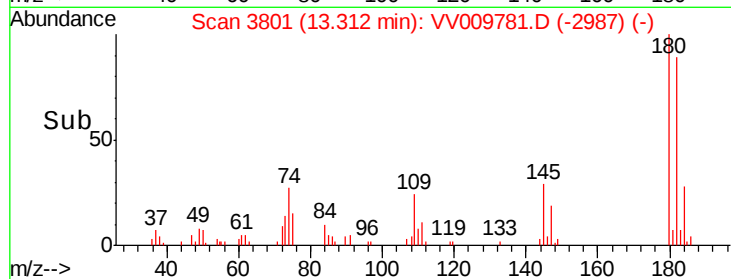
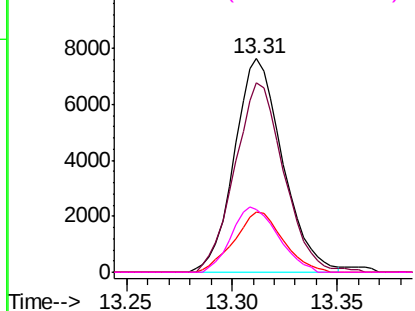
#67
 1,3,5-Trichlorobenzene
 Concen: 10.137 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV009781.D
 Acq: 19 Mar 2019 16:30

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B0DL

Tgt Ion:180 Resp: 12136
 Ion Ratio Lower Upper
 180 100
 182 90.3 73.9 110.9
 184 28.6 23.4 35.2
 145 29.5 24.6 37.0

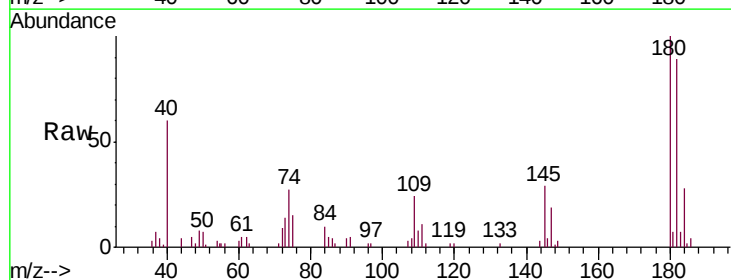


Abundance Ion 180.00 (179.70 to 180.70): V
 12000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

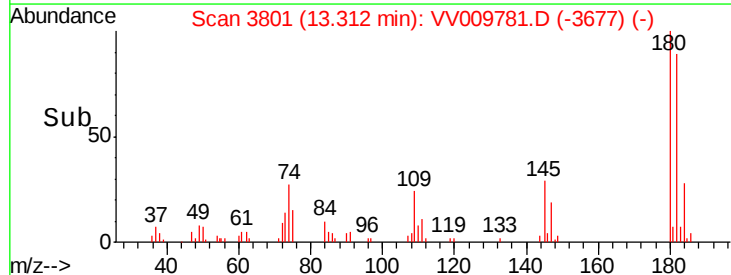
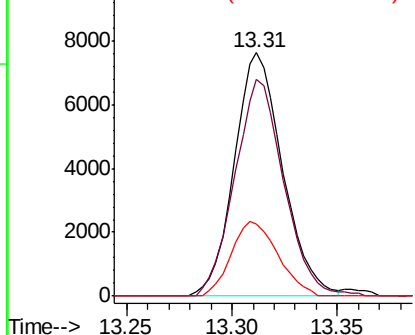


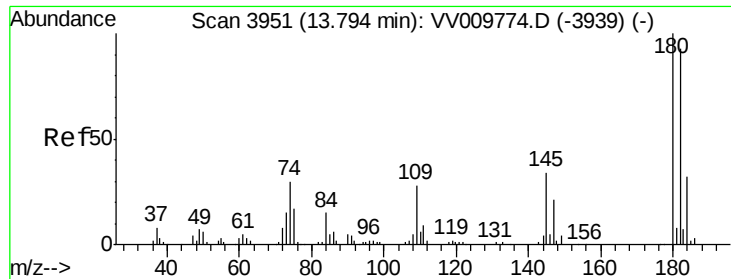
#68
 1,2,4-trichlorobenzene
 Concen: 14.464 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009781.D
 Acq: 19 Mar 2019 16:30

Tgt Ion:180 Resp: 12136
 Ion Ratio Lower Upper
 180 100
 182 90.3 75.7 113.5
 145 29.5 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V
 10000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

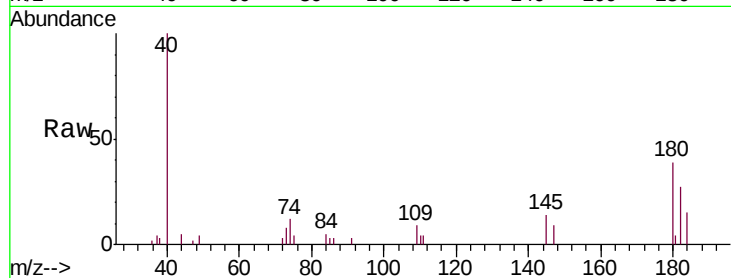




#70
 1,2,3-Trichlorobenzene
 Concen: 3.364 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. -0.00 min
 Lab File: VV009781.D
 Acq: 19 Mar 2019 16:30

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B0DL

Tgt Ion:180 Resp: 2830
 Ion Ratio Lower Upper
 180 100
 182 40.5 73.3 109.9#
 145 29.9 26.4 39.6



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

