

Data File : VU027826.D
Acq On : 26 Oct 2018 12:23
Operator : MD/SY
Sample : J5635-22ME
Misc : 4.83g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A40F8ME

Quant Time: Oct 27 01:45:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	97208	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	95734	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	55894	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	26237	34.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.38%
7) Chloroethane-d5	1.64	69	23420	40.22	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.44%
11) 1,1-Dichloroethene-d2	2.23	63	36596	26.87	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.74%#
21) 2-Butanone-d5	4.20	46	59586	92.45	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.45%
24) Chloroform-d	4.65	84	51699	38.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.04%
26) 1,2-Dichloroethane-d4	5.31	65	39792	42.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.52%
32) Benzene-d6	5.33	84	99981	36.67	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.34%
36) 1,2-Dichloropropane-d6	6.33	67	37348	38.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	76.74%
41) Toluene-d8	7.57	98	94615	37.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.24%#
43) trans-1,3-Dichloropropene-	7.85	79	17938	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.90%
47) 2-Hexanone-d5	8.32	63	47318	94.99	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.99%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	57030	45.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	45183	39.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.94%#

Target Compounds

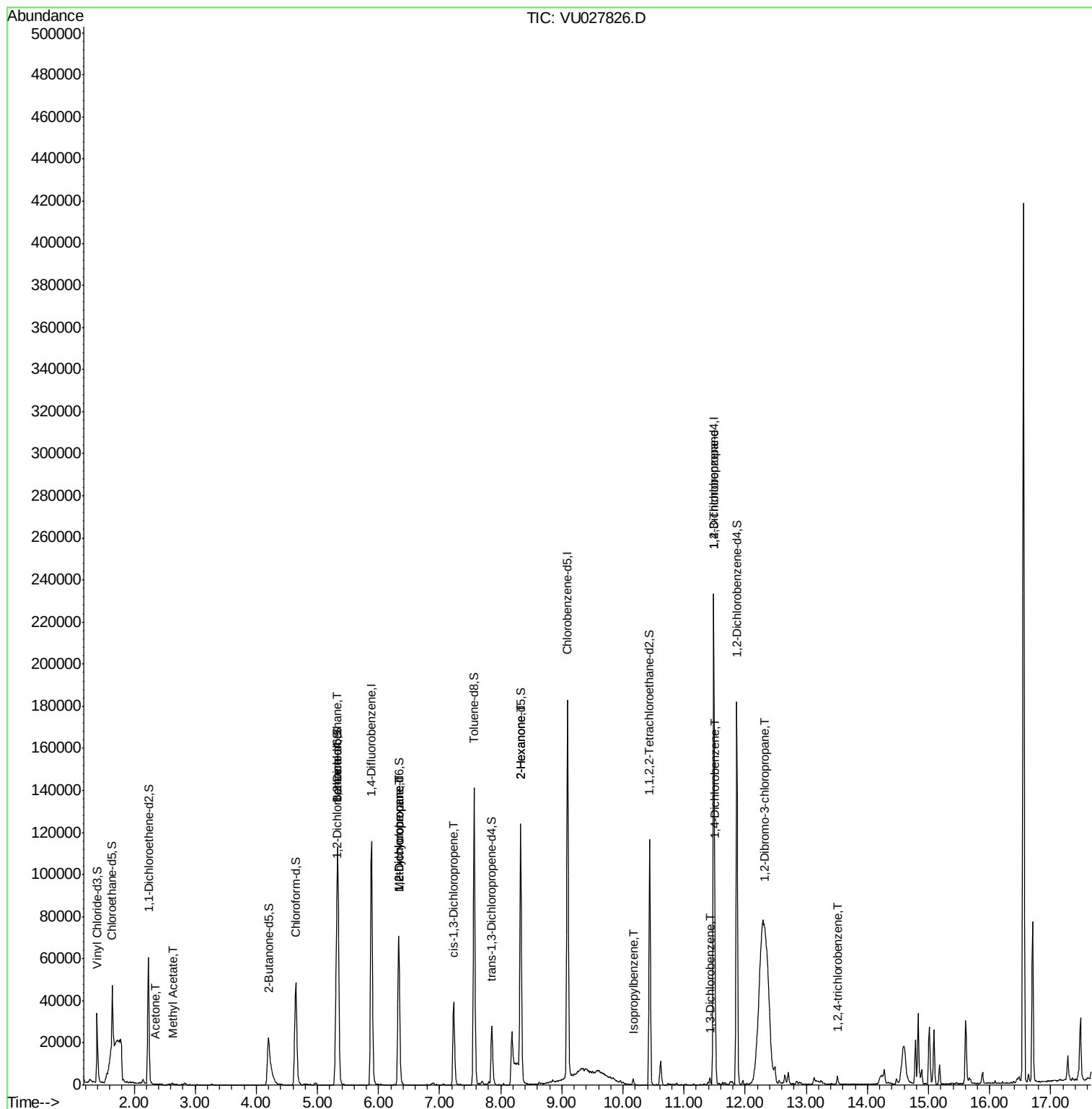
					Qvalue	
13) Acetone	2.34	43	329	0.733	ug/L #	46
15) Methyl Acetate	2.63	43	1427	1.510	ug/L #	77
27) 1,2-Dichloroethane	5.33	62	620	0.566	ug/L #	78
35) Methylcyclohexane	6.33	83	8482	6.879	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	4162	4.946	ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1028	0.793	ug/L #	76
48) 2-Hexanone	8.33	43	5866	5.593	ug/L #	68
56) Isopropylbenzene	10.17	105	2099	0.652	ug/L #	92
59) 1,2,3-Trichloropropane	11.48	75	10825	10.885	ug/L	91
62) 1,3-Dichlorobenzene	11.42	146	1604	0.957	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	11361	6.648	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.32	75	1350	3.758	ug/L #	37
68) 1,2,4-trichlorobenzene	13.51	180	1348	1.171	ug/L	96

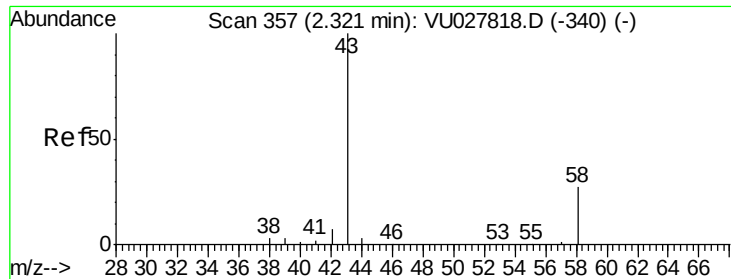
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 0.733 ug/L

RT: 2.34 min Scan# 364

Delta R.T. 0.02 min

Lab File: VU027826.D

Acq: 26 Oct 2018 12:23

Instrument :

MSVOA_U

ClientSampleId :

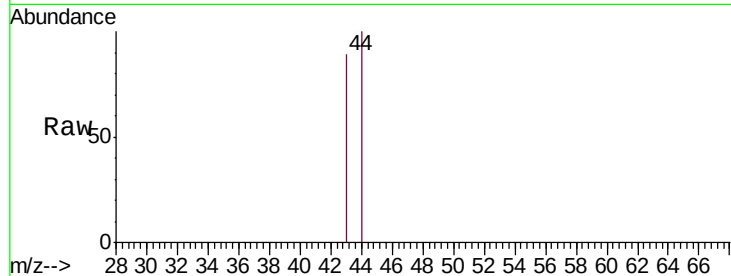
A40F8ME

Tgt Ion: 43 Resp: 329

Ion Ratio Lower Upper

43 100

58 0.0 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.34

250

200

150

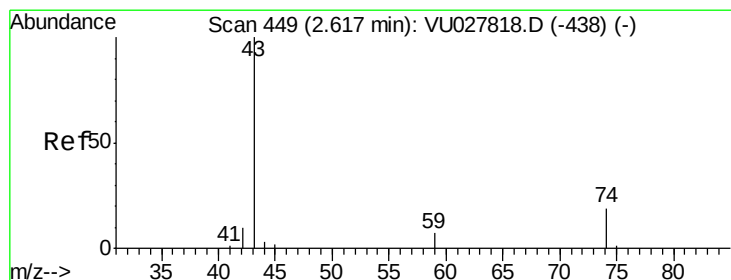
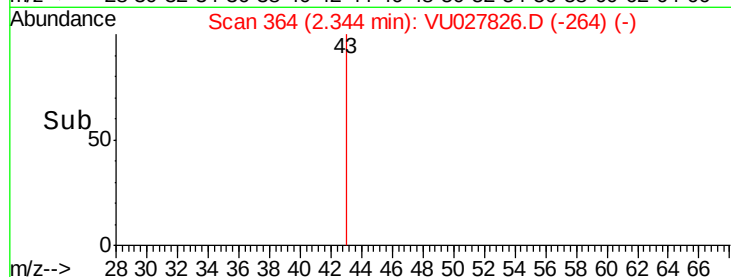
100

50

0

Time-->

2.32 2.34 2.36



#15

Methyl Acetate

Concen: 1.510 ug/L

RT: 2.63 min Scan# 453

Delta R.T. 0.01 min

Lab File: VU027826.D

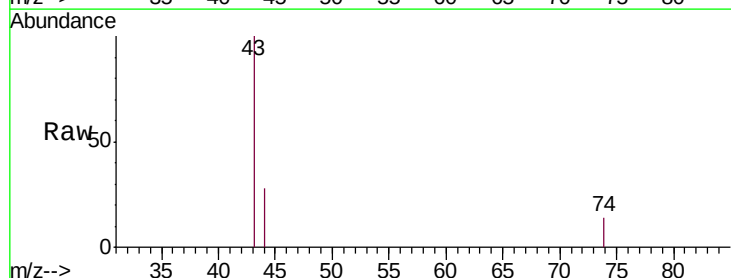
Acq: 26 Oct 2018 12:23

Tgt Ion: 43 Resp: 1427

Ion Ratio Lower Upper

43 100

74 8.3 15.1 22.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.63

800

600

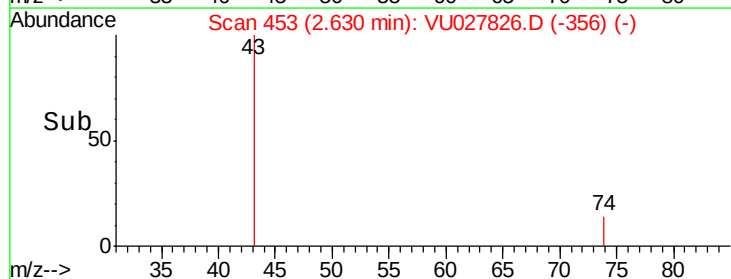
400

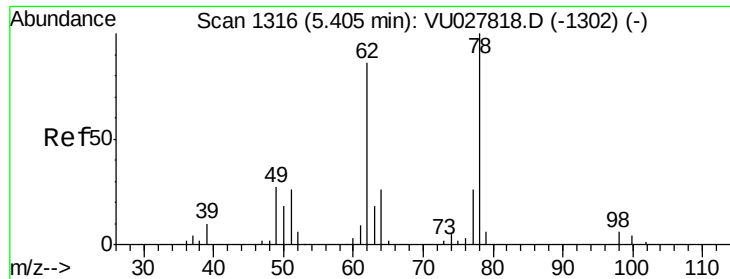
200

0

Time-->

2.60 2.65

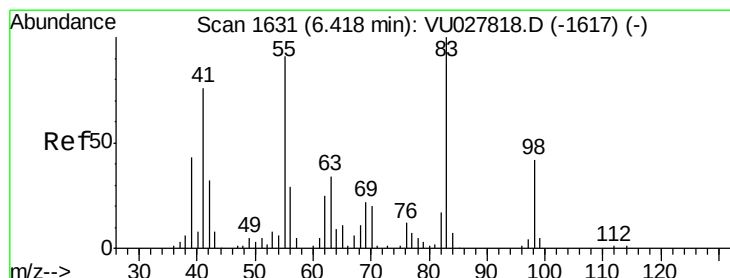
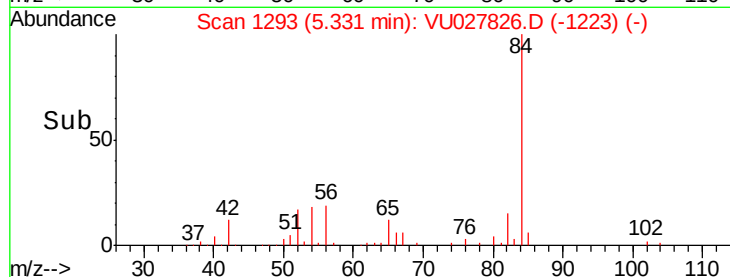
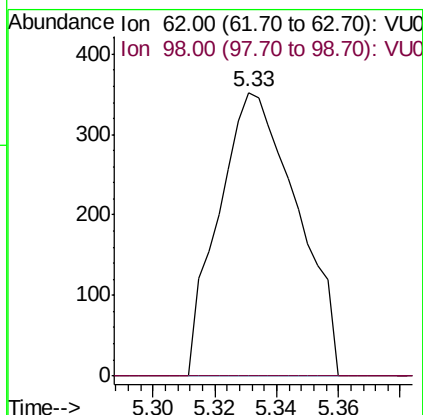
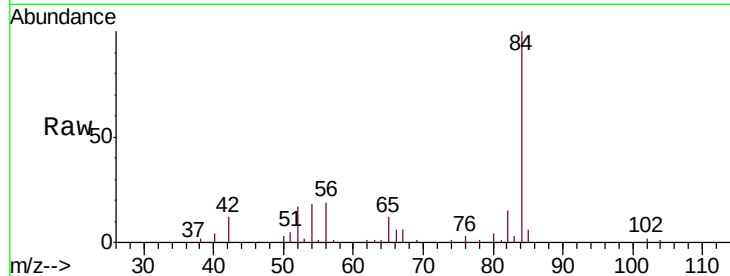




#27
 1,2-Dichloroethane
 Concen: 0.566 ug/L
 RT: 5.33 min Scan# 1293
 Delta R.T. -0.07 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

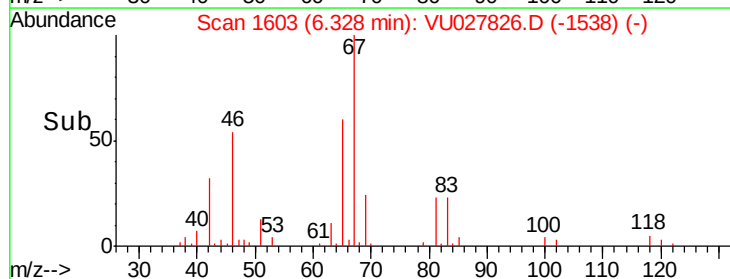
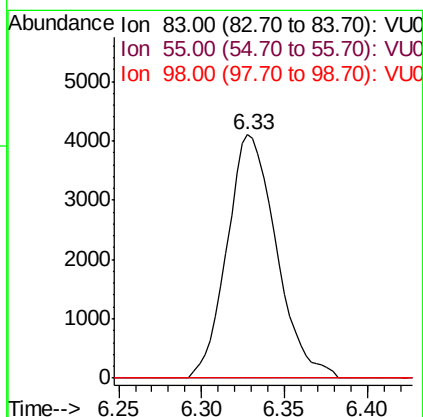
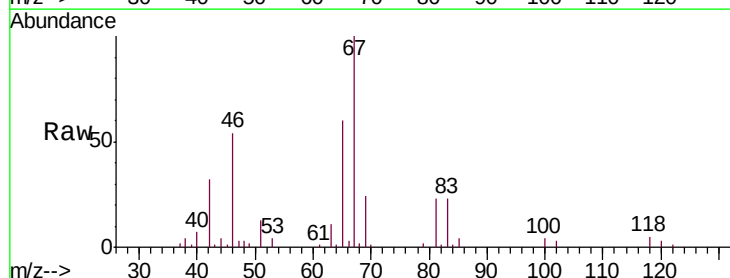
Instrument :
 MSVOA_U
 ClientSampleId :
 A40F8ME

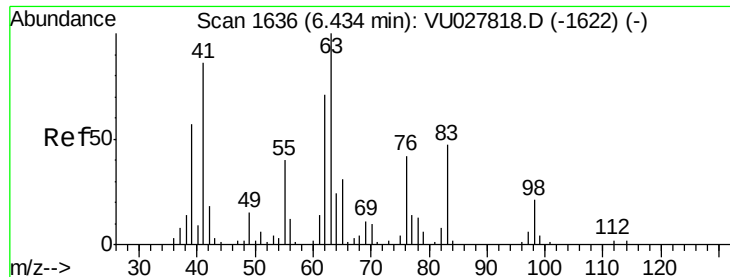
Tgt Ion: 62 Resp: 620
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#35
 Methylcyclohexane
 Concen: 6.879 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.09 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

Tgt Ion: 83 Resp: 8482
 Ion Ratio Lower Upper
 83 100
 55 0.0 71.9 107.9#
 98 0.0 34.6 52.0#

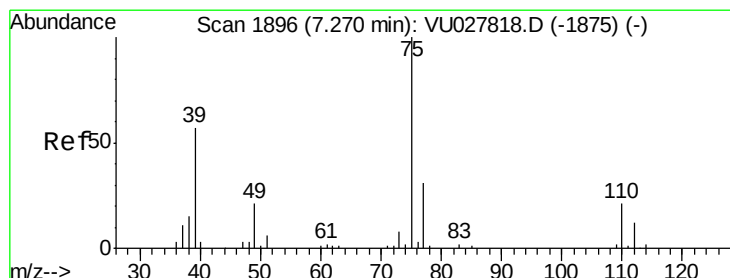
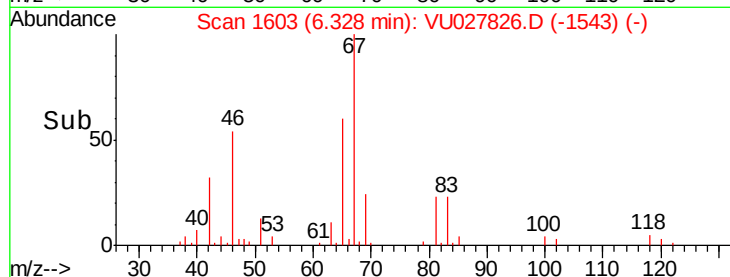
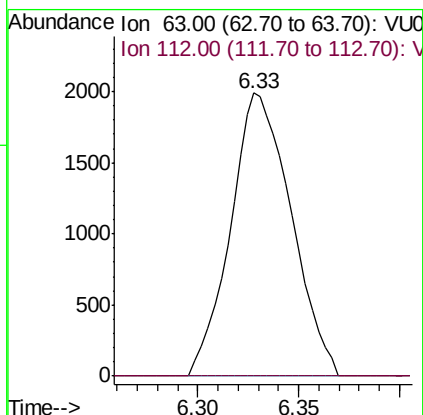
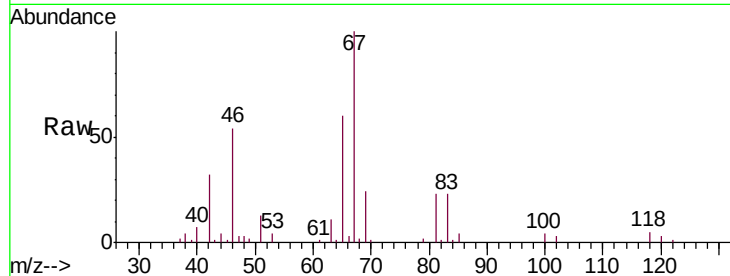




#37
 1,2-Dichloropropane
 Concen: 4.946 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.11 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

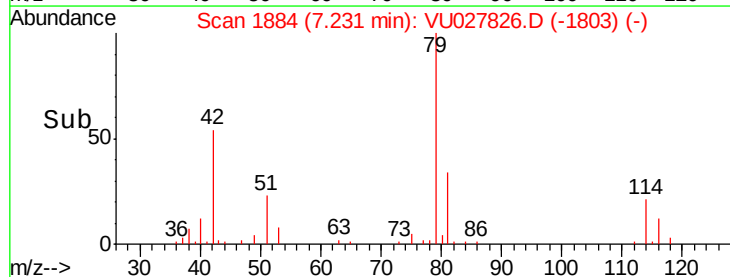
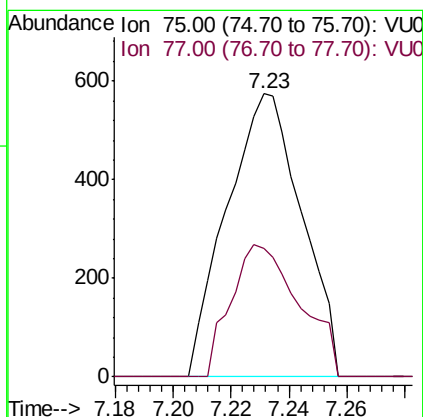
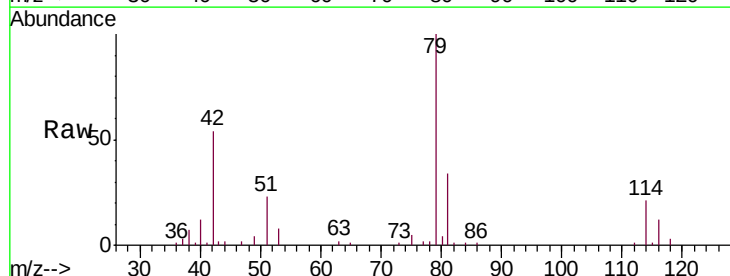
Instrument :
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 ClientSampleId :
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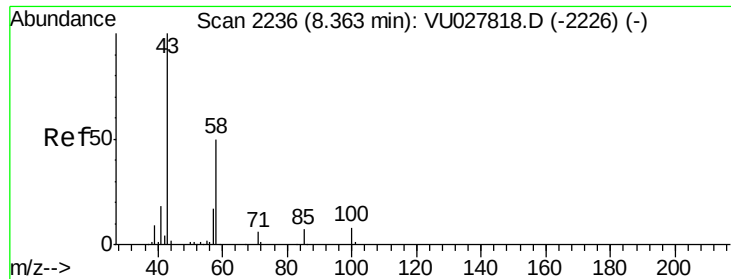
Tgt Ion: 63 Resp: 4162
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.793 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

Tgt Ion: 75 Resp: 1028
 Ion Ratio Lower Upper
 75 100
 77 45.5 22.5 41.7#

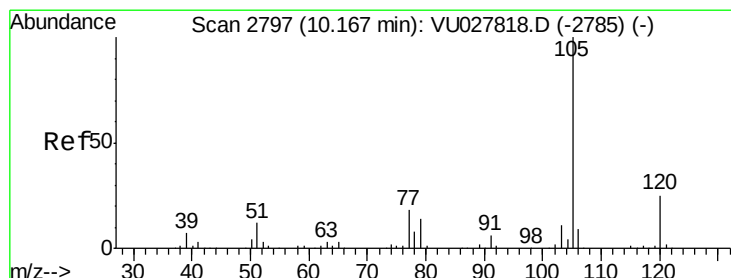
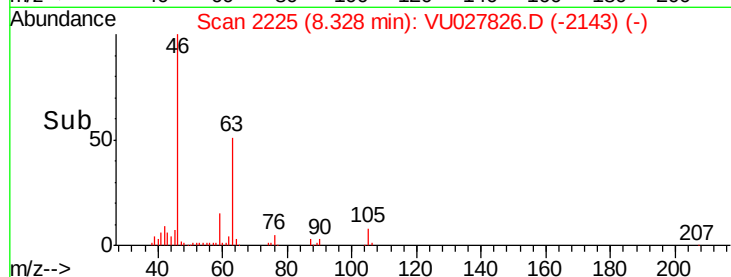
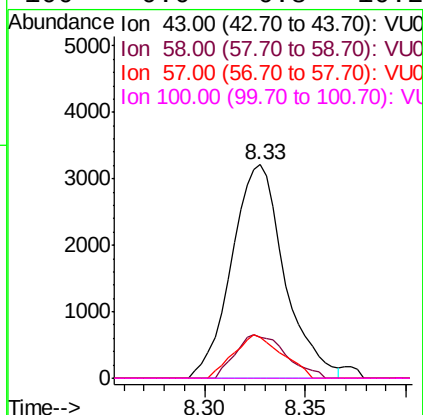
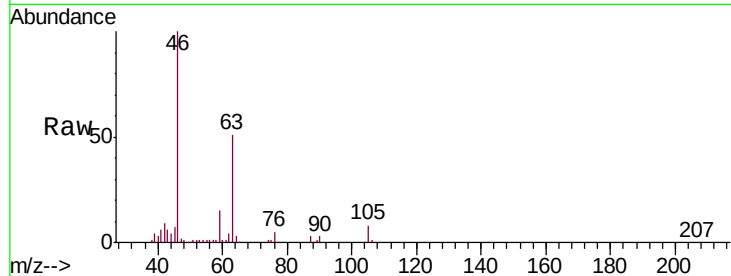




#48
 2-Hexanone
 Concen: 5.593 ug/L
 RT: 8.33 min Scan# 2225
 Delta R.T. -0.04 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

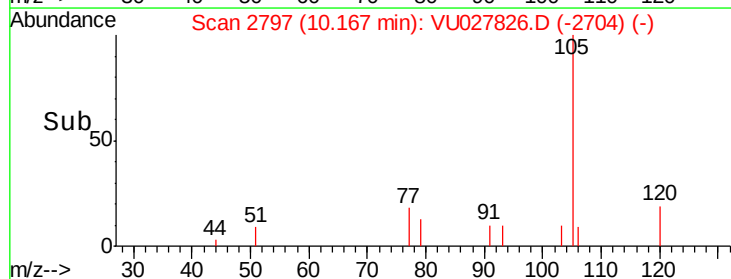
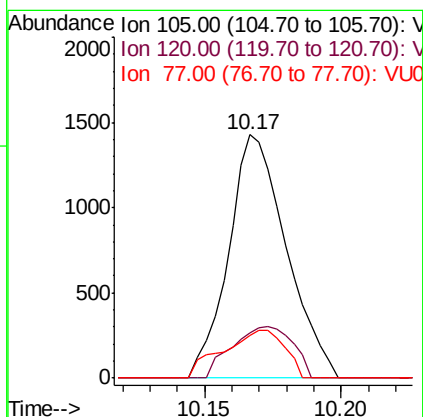
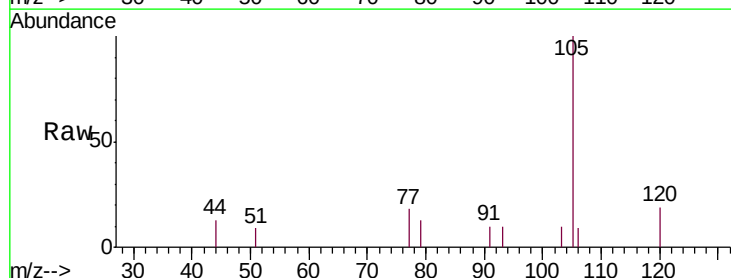
Instrument :
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 ClientSampleId :
 A40F8ME

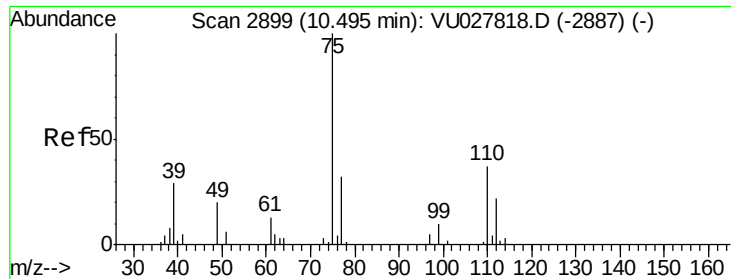
Tgt Ion:	43	Resp:	5866
Ion	Ratio	Lower	Upper
43	100		
58	19.7	38.8	58.2#
57	18.7	13.1	19.7
100	0.0	6.8	10.2#



#56
 Isopropylbenzene
 Concen: 0.652 ug/L
 RT: 10.17 min Scan# 2797
 Delta R.T. 0.00 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

Tgt Ion:	105	Resp:	2099
Ion	Ratio	Lower	Upper
105	100		
120	22.2	21.0	31.6
77	20.9	13.7	20.5#

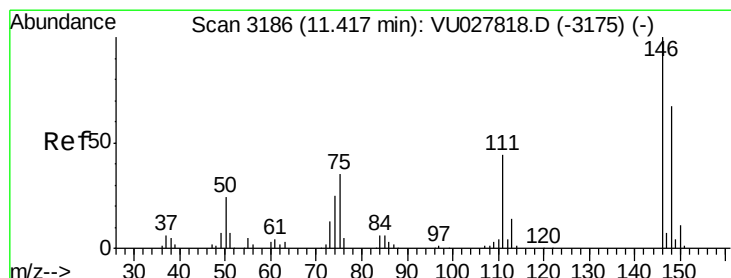
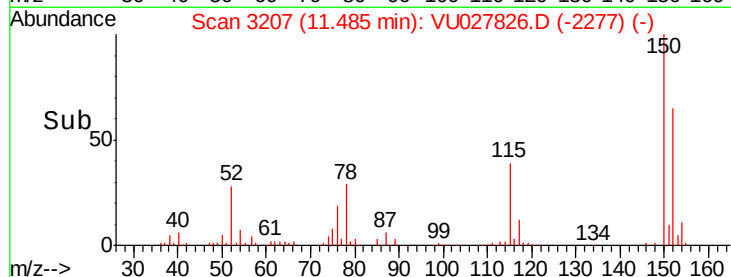
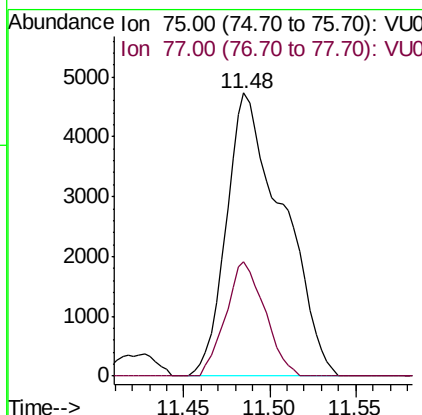
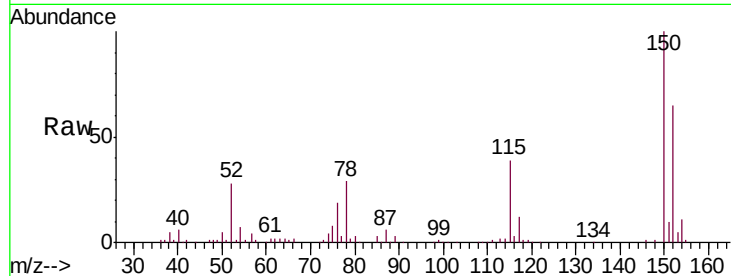




#59
 1,2,3-Trichloropropane
 Concen: 10.885 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

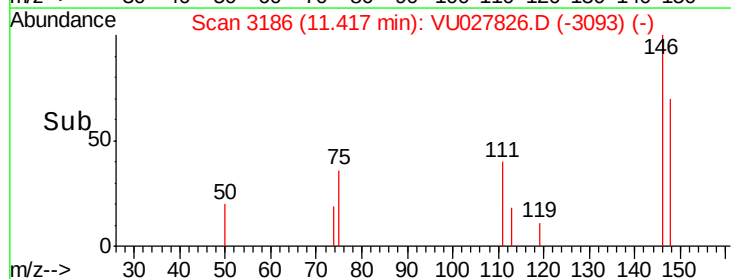
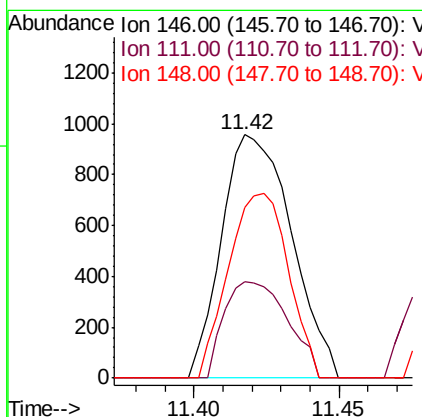
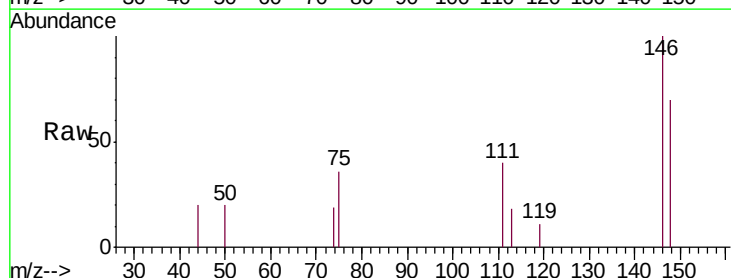
Instrument :
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 ClientSampleId :
 A40F8ME

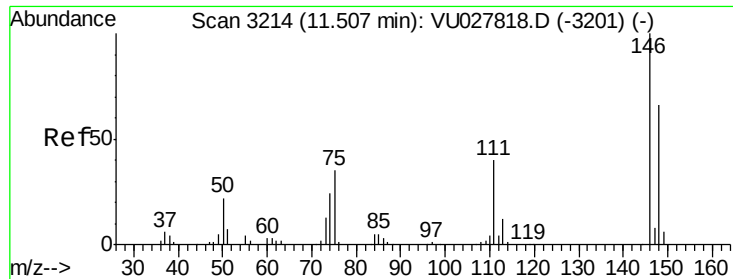
Tgt Ion: 75 Resp: 10825
 Ion Ratio Lower Upper
 75 100
 77 28.0 26.5 39.7



#62
 1,3-Dichlorobenzene
 Concen: 0.957 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

Tgt Ion: 146 Resp: 1604
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.1 52.3
 148 70.3 43.7 81.1

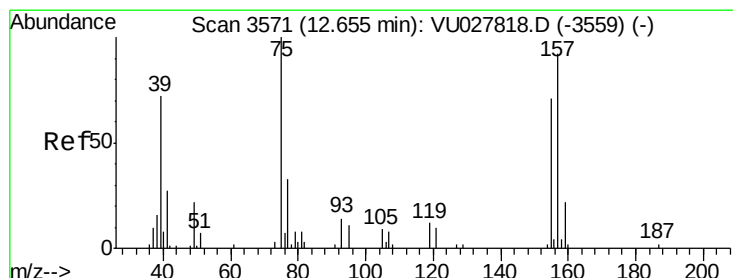
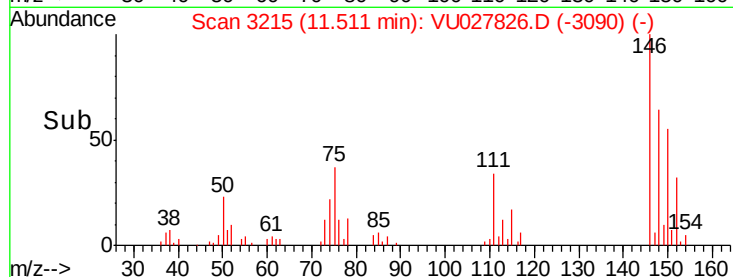
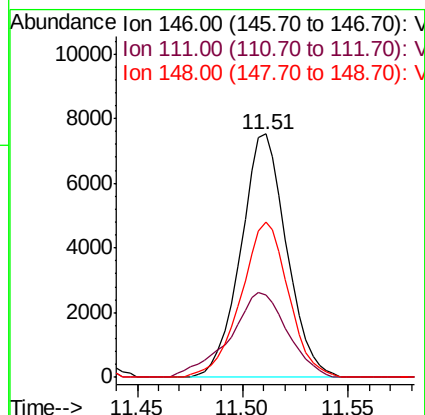
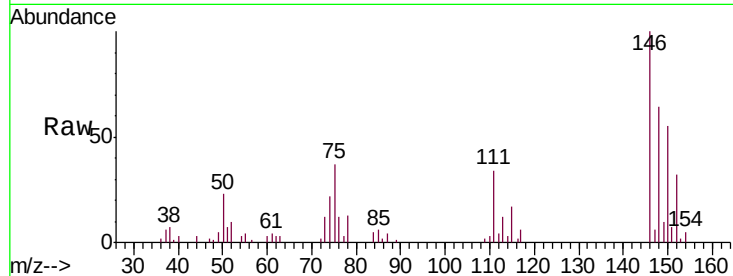




#63
 1,4-Dichlorobenzene
 Concen: 6.648 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

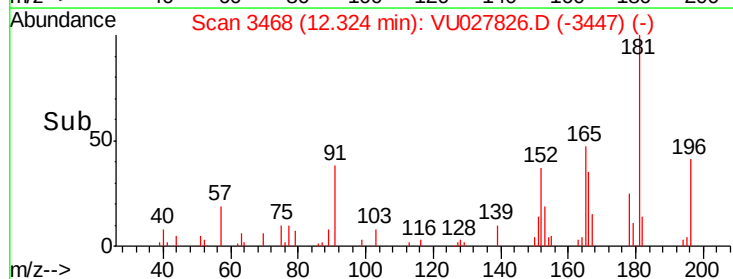
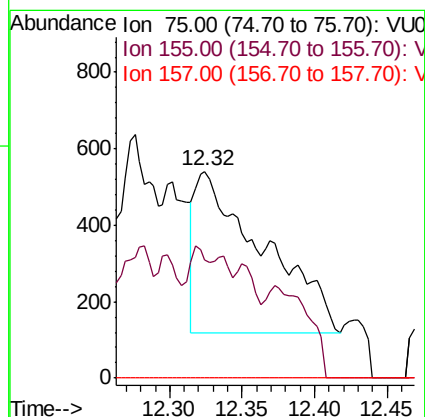
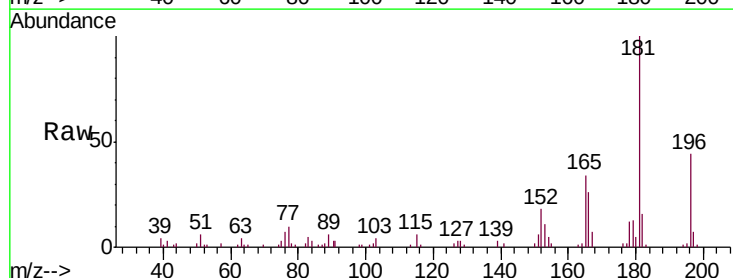
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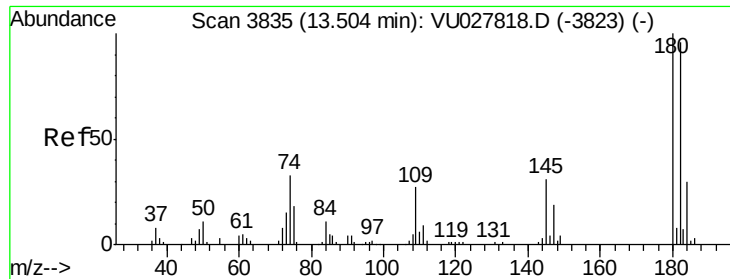
Tgt Ion: 146 Resp: 11361
 Ion Ratio Lower Upper
 146 100
 111 33.8 27.5 51.1
 148 63.8 44.1 81.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.758 ug/L
 RT: 12.32 min Scan# 3468
 Delta R.T. -0.33 min
 Lab File: VU027826.D
 Acq: 26 Oct 2018 12:23

Tgt Ion: 75 Resp: 1350
 Ion Ratio Lower Upper
 75 100
 155 57.5 57.4 86.2
 157 0.0 75.9 113.9#





#68

1,2,4-trichlorobenzene

Concen: 1.171 ug/L

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU027826.D

Acq: 26 Oct 2018 12:23

Instrument :

MSVOA_U

ClientSampleId :

A40F8ME

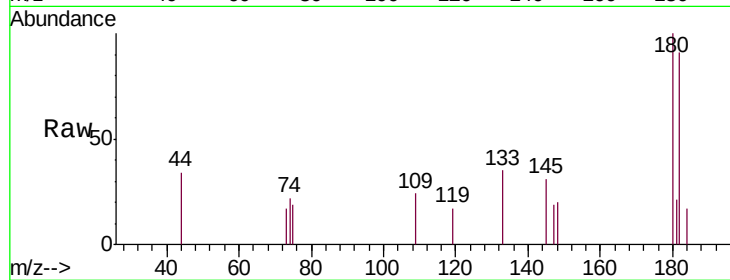
Tgt Ion:180 Resp: 1348

Ion Ratio Lower Upper

180 100

182 99.1 77.1 115.7

145 25.7 23.4 35.0



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

