

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071020\
 Data File : VU039428.D
 Acq On : 10 Jul 2020 14:34
 Operator : SY/MD
 Sample : L3261-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE505

Quant Time: Jul 11 03:15:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 11 02:49:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	94668	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89981	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44437	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22668	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.93	69	26966	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.58	63	37861	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.66	46	152074	60.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.14%
24) Chloroform-d	5.09	84	60619	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	39236	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.75	84	113401	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.71	67	41037	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.91	98	96698	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	8.19	79	16350	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.64	63	114545	57.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.92%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39685	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	40240	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

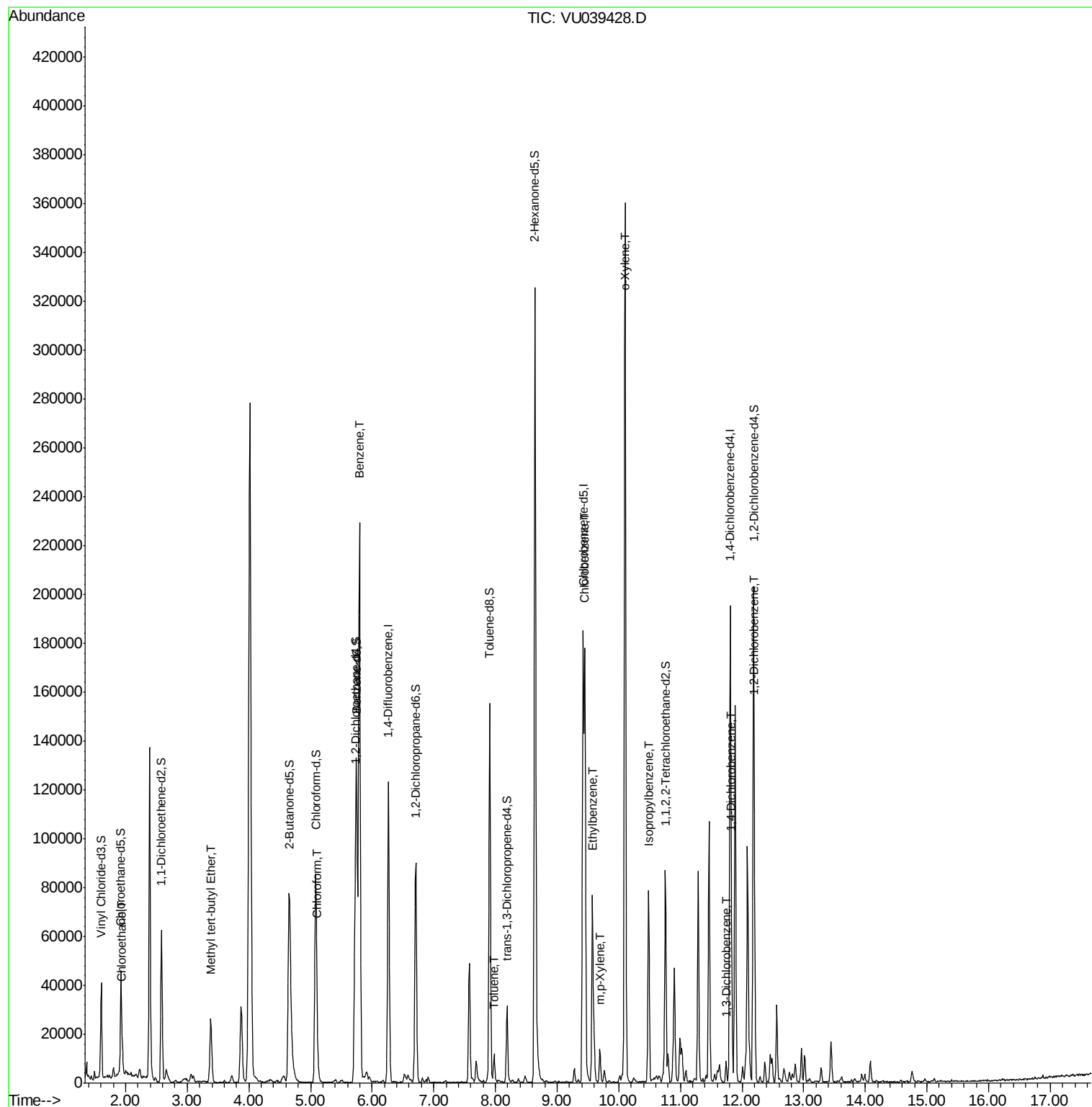
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	6793	1.218	ug/L	90
17) Methyl tert-butyl Ether	3.39	73	12259	0.691	ug/L #	1
25) Chloroform	5.11	83	5079	0.412	ug/L	91
33) Benzene	5.79	78	202152	7.514	ug/L	100
42) Toluene	7.98	91	7830	0.272	ug/L	98
51) Chlorobenzene	9.45	112	80347	4.564	ug/L	99
52) Ethylbenzene	9.57	91	50420	1.584	ug/L	98
53) m,p-Xylene	9.69	106	3455	0.288	ug/L	87
54) o-Xylene	10.10	106	86708	7.425	ug/L	95
56) Isopropylbenzene	10.48	105	47958	1.518	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	1142	0.082	ug/L #	76
63) 1,4-Dichlorobenzene	11.83	146	12190	0.873	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	8296	0.594	ug/L	96

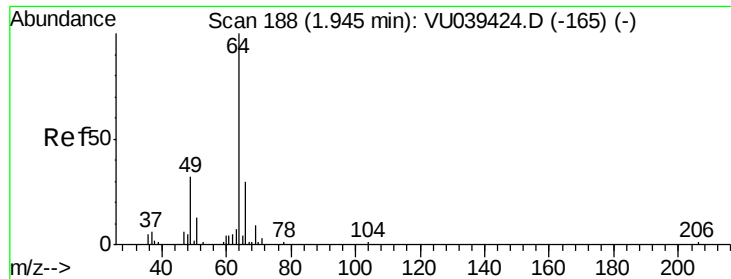
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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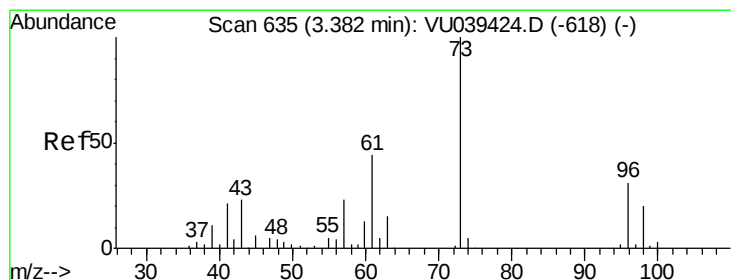
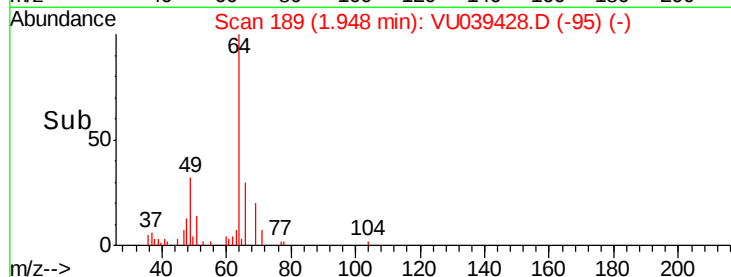
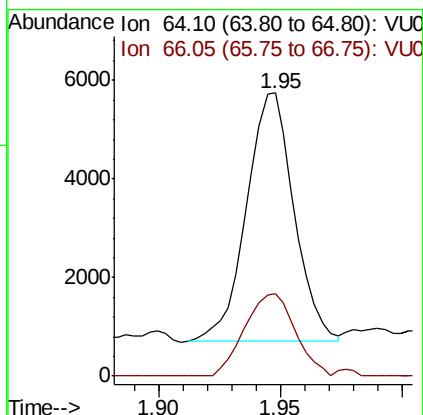
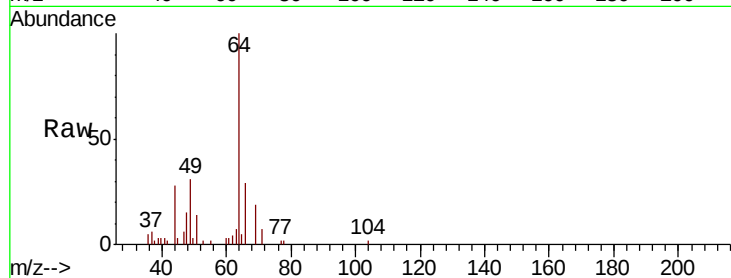




#8
Chloroethane
Concen: 1.218 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU039428.D
Acq: 10 Jul 2020 14:34

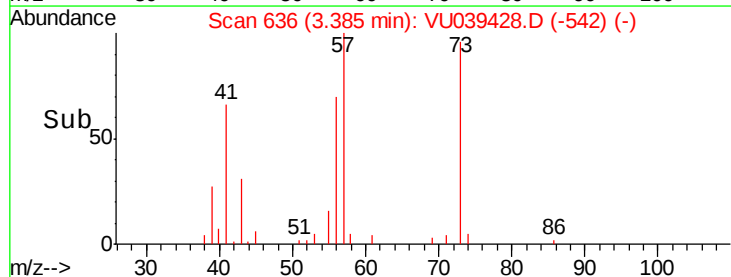
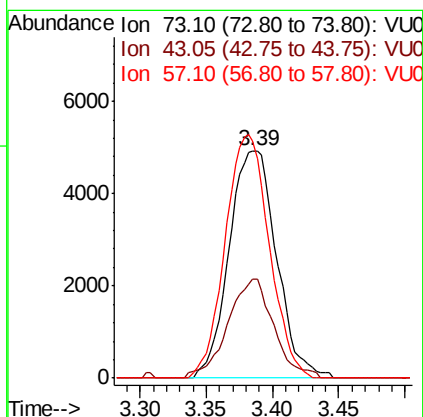
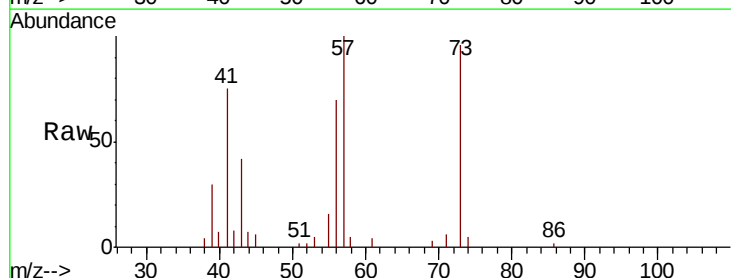
Instrument :
MSVOA_U
ClientSampled :
BE505

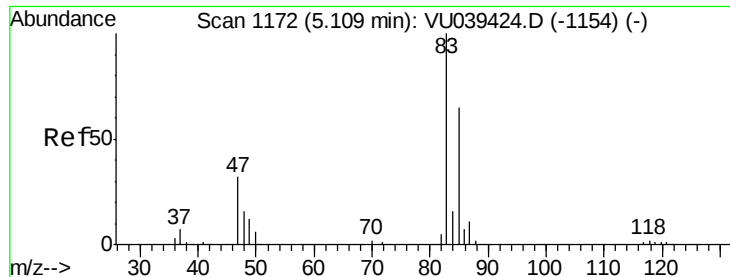
Tot Ion: 64 Resp: 6793
Ion Ratio Lower Upper
64 100
66 27.9 23.5 43.7



#17
Methyl tert-butyl Ether
Concen: 0.691 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039428.D
Acq: 10 Jul 2020 14:34

Tgt Ion: 73 Resp: 12259
Ion Ratio Lower Upper
73 100
43 42.2 18.6 28.0#
57 99.6 17.9 26.9#

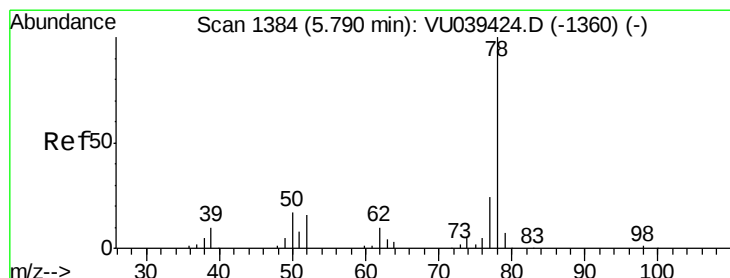
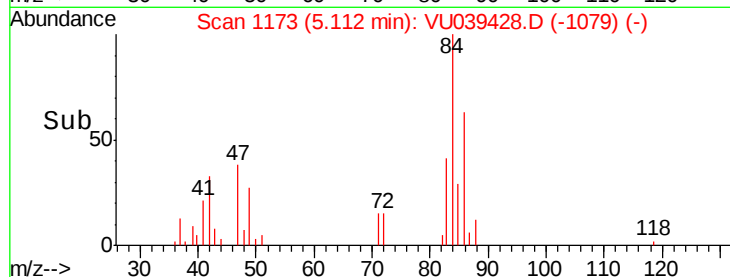
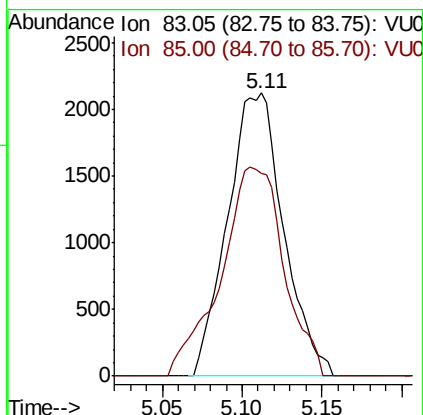
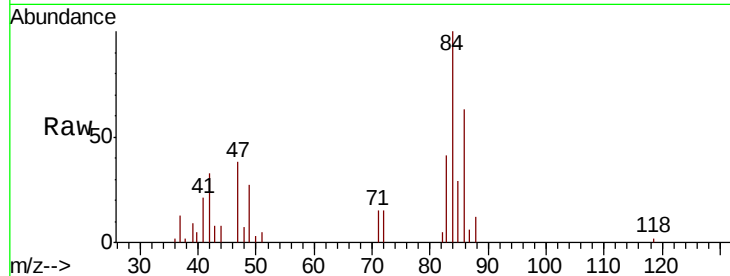




#25
Chloroform
Concen: 0.412 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039428.D
Acq: 10 Jul 2020 14:34

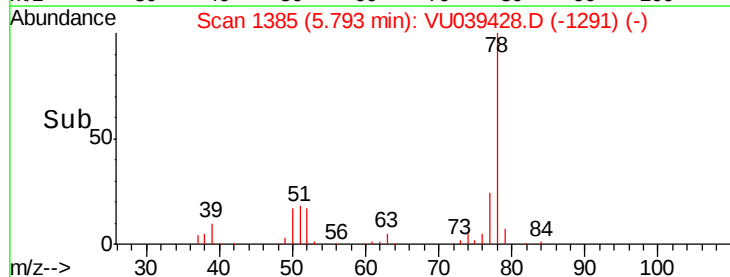
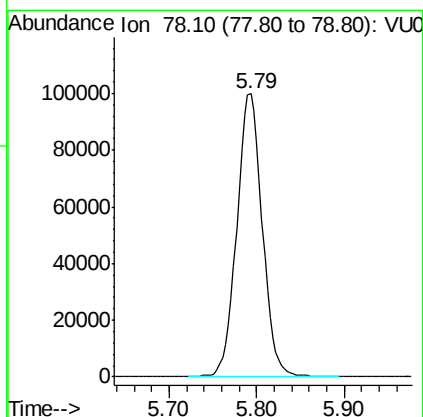
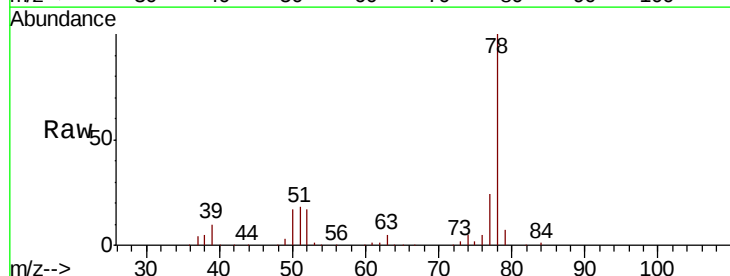
Instrument :
MSVOA_U
ClientSampleId :
BE505

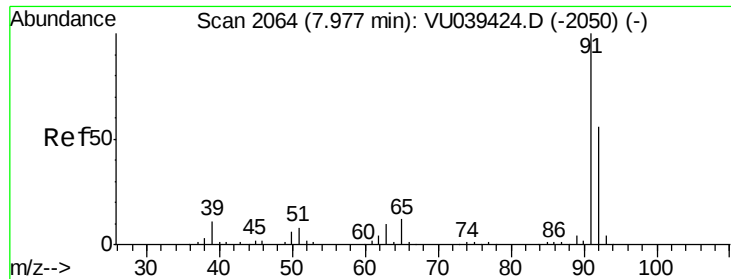
Tot Ion: 83 Resp: 5079
Ion Ratio Lower Upper
83 100
85 71.6 44.9 83.5



#33
Benzene
Concen: 7.514 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039428.D
Acq: 10 Jul 2020 14:34

Tgt Ion: 78 Resp: 202152





#42

Toluene

Concen: 0.272 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039428.D

Acq: 10 Jul 2020 14:34

Instrument :

MSVOA_U

ClientSampleId :

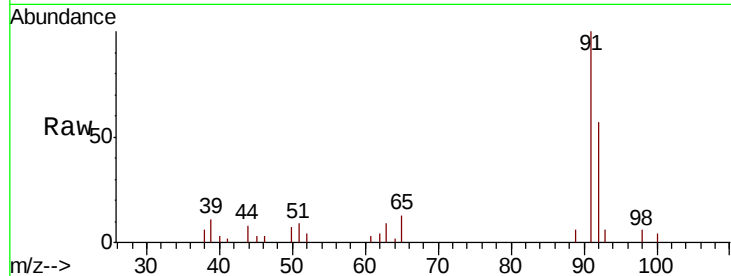
BE505

Tot Ion: 91 Resp: 7830

Ion Ratio Lower Upper

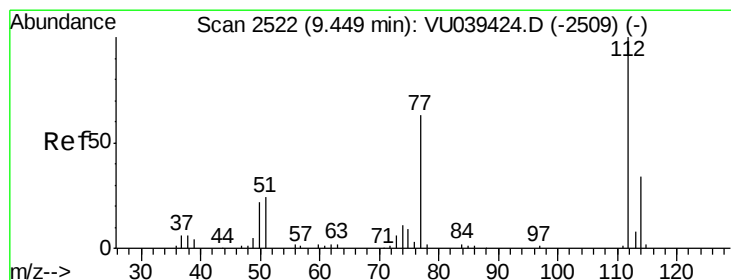
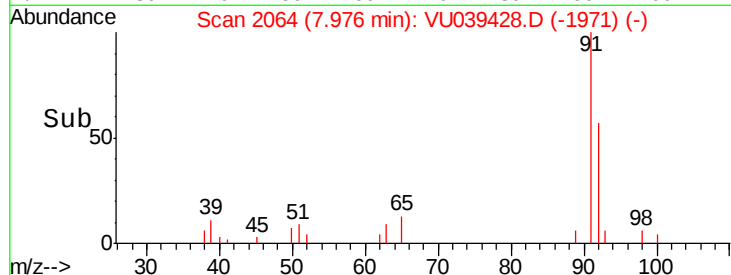
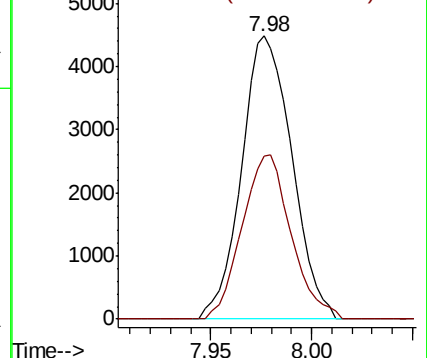
91 100

92 57.5 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039428.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039428.D (-1971) (-)



#51

Chlorobenzene

Concen: 4.564 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039428.D

Acq: 10 Jul 2020 14:34

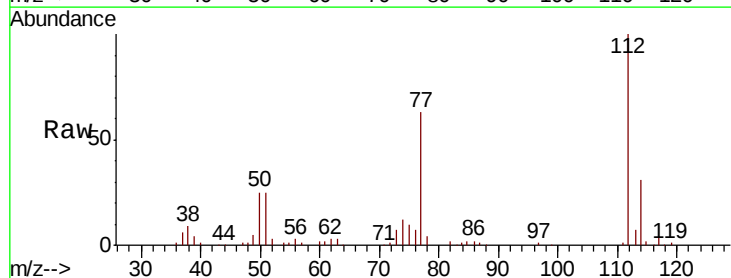
Tgt Ion: 112 Resp: 80347

Ion Ratio Lower Upper

112 100

114 30.6 22.1 41.1

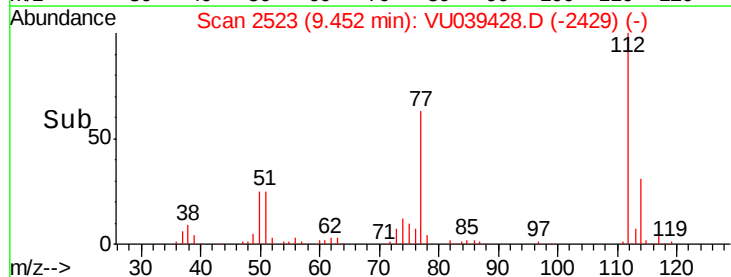
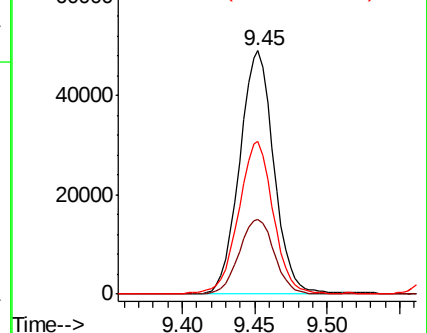
77 62.6 49.9 74.9

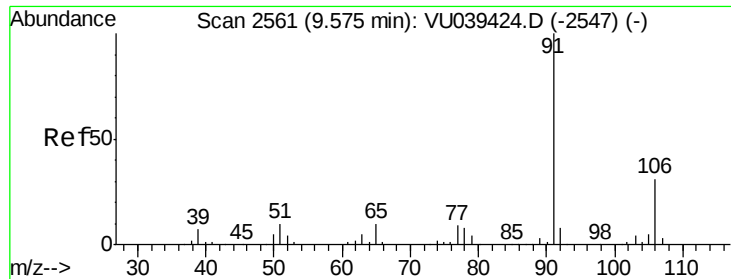


Abundance Ion 112.10 (111.80 to 112.80): VU039428.D (-2429) (-)

Ion 114.05 (113.75 to 114.75): VU039428.D (-2429) (-)

Ion 77.10 (76.80 to 77.80): VU039428.D (-2429) (-)





#52

Ethylbenzene

Concen: 1.584 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039428.D

Acq: 10 Jul 2020 14:34

Instrument :

MSVOA_U

ClientSampleId :

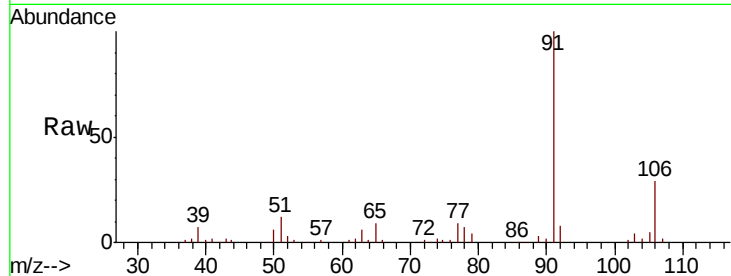
BE505

Tot Ion: 91 Resp: 50420

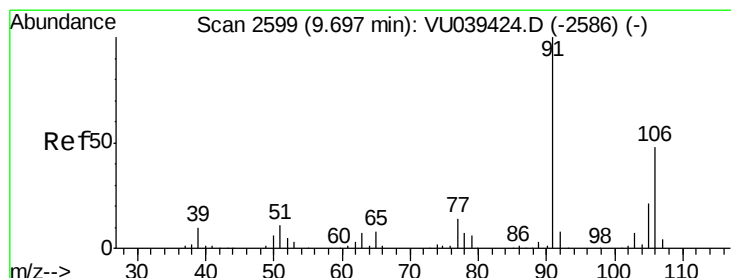
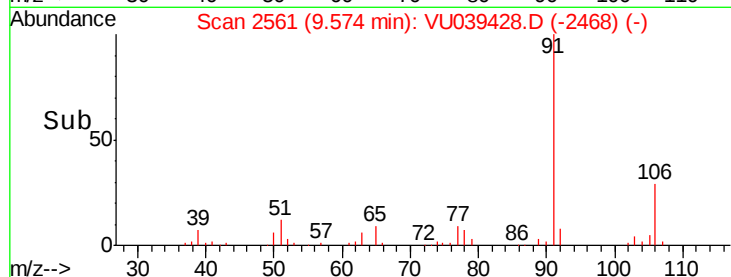
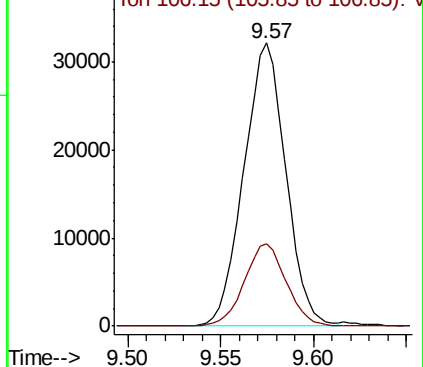
Ion Ratio Lower Upper

91 100

106 29.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039428.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.288 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039428.D

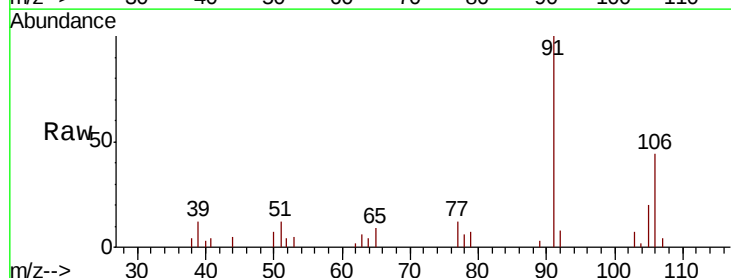
Acq: 10 Jul 2020 14:34

Tgt Ion: 106 Resp: 3455

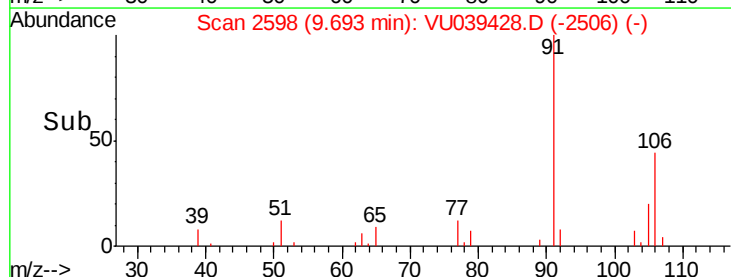
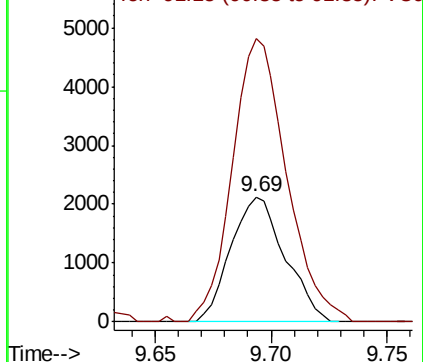
Ion Ratio Lower Upper

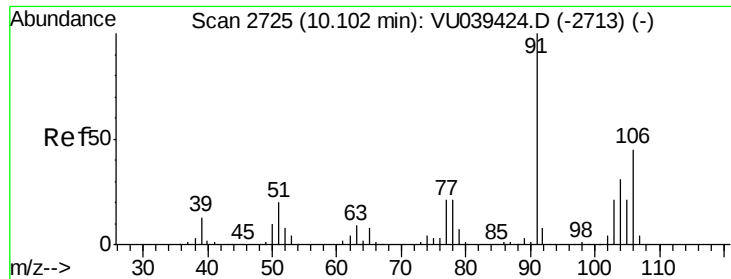
106 100

91 226.4 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039428.D (-2598) (-)

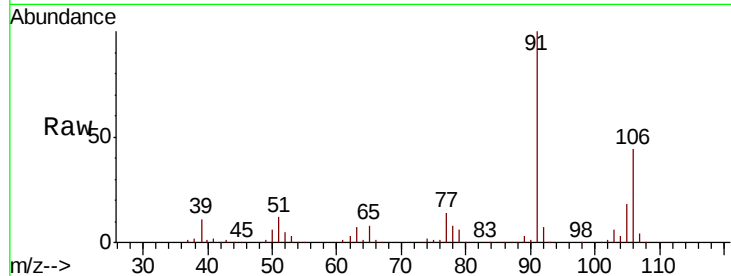




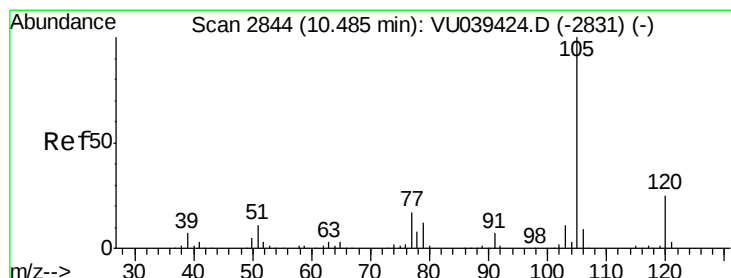
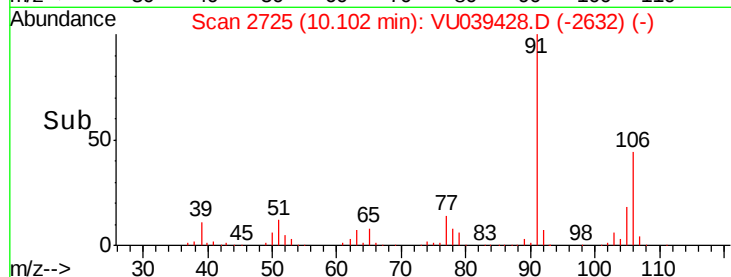
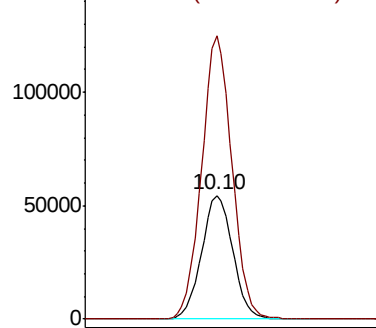
#54
o-Xylene
Concen: 7.425 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039428.D
Acq: 10 Jul 2020 14:34

Instrument :
MSVOA_U
ClientSampleId :
BE505

Tot Ion:106 Resp: 86708
Ion Ratio Lower Upper
106 100
91 229.5 154.6 287.2

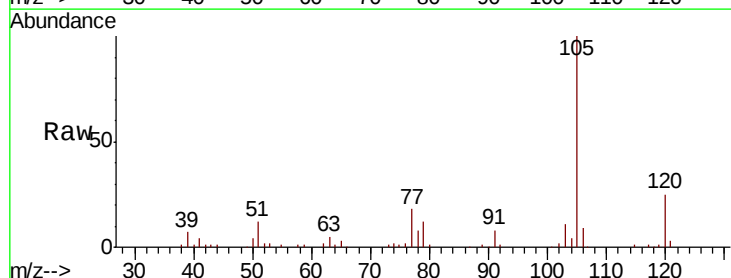


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

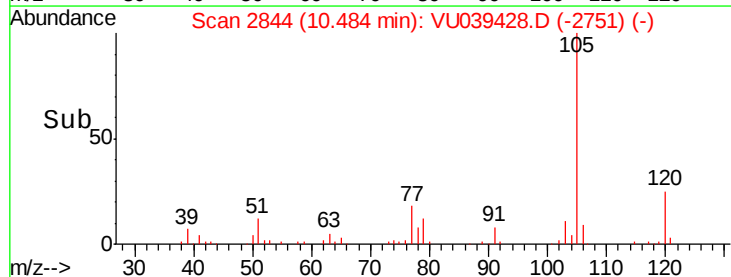
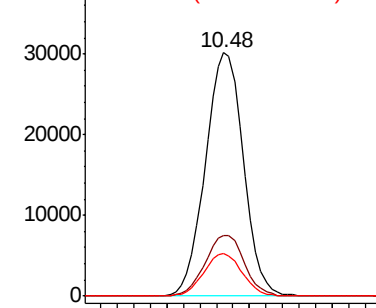


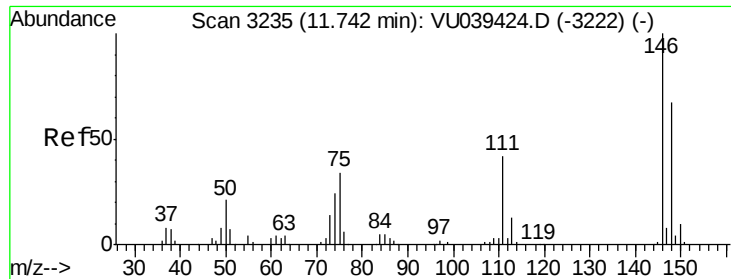
#56
Isopropylbenzene
Concen: 1.518 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU039428.D
Acq: 10 Jul 2020 14:34

Tgt Ion:105 Resp: 47958
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1
77 17.7 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0





#62

1,3-Dichlorobenzene

Concen: 0.082 ug/L

RT: 11.74 min Scan# 3236

Delta R.T. 0.00 min

Lab File: VU039428.D

Acq: 10 Jul 2020 14:34

Instrument :

MSVOA_U

ClientSampled :

BE505

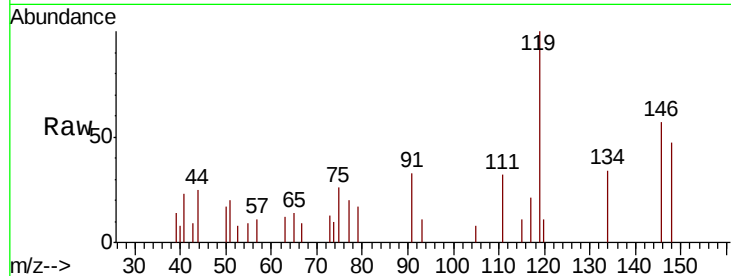
Tot Ion:146 Resp: 1142

Ion Ratio Lower Upper

146 100

111 55.1 29.0 53.8#

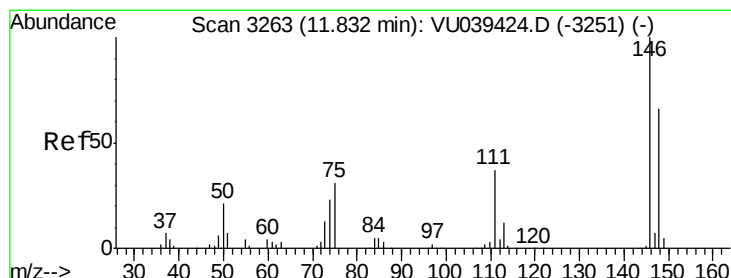
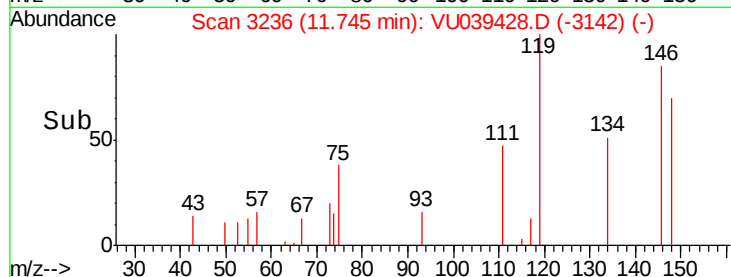
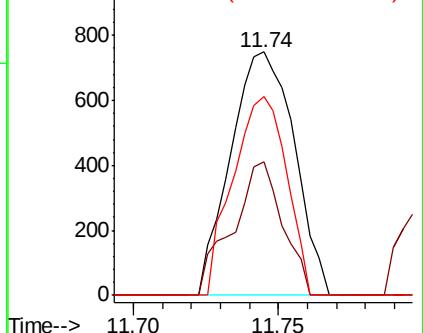
148 81.8 43.5 80.9#



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



#63

1,4-Dichlorobenzene

Concen: 0.873 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039428.D

Acq: 10 Jul 2020 14:34

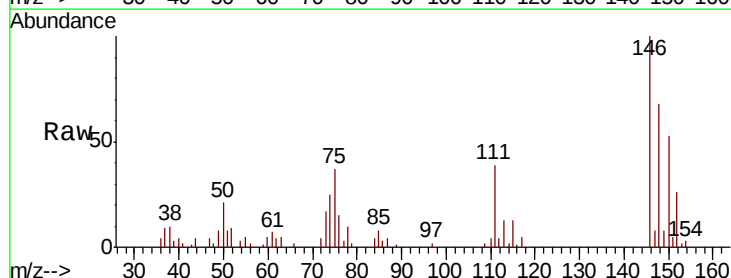
Tgt Ion:146 Resp: 12190

Ion Ratio Lower Upper

146 100

111 39.0 28.6 53.0

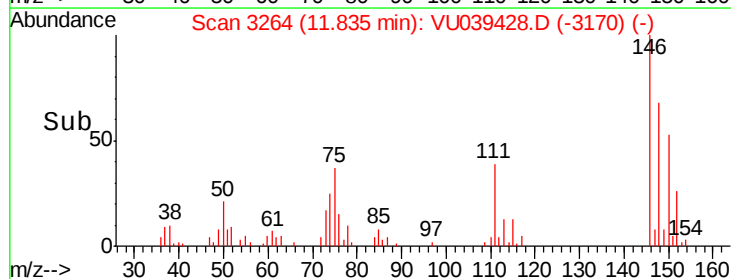
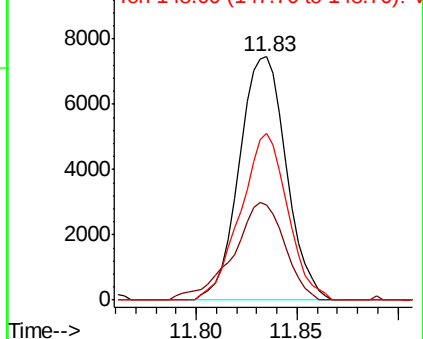
148 68.5 45.0 83.6

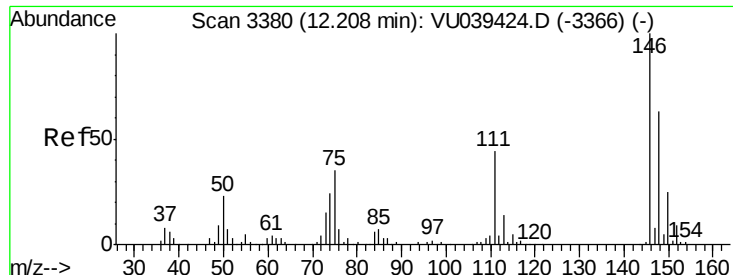


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

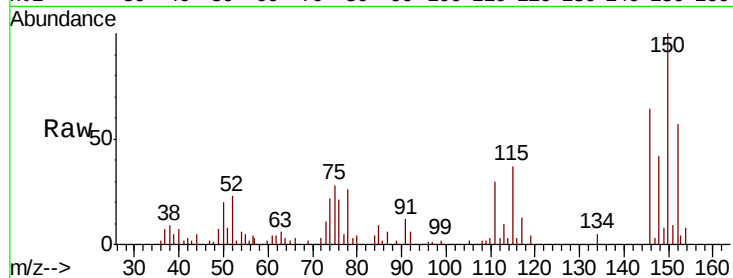




#65
 1,2-Dichlorobenzene
 Concen: 0.594 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039428.D
 Acq: 10 Jul 2020 14:34

Instrument :
 MSVOA_U
 ClientSampleId :
 BE505

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	35.0	52.4
148	66.1	50.6	75.8



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

