

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
 Data File : VU038327.D
 Acq On : 27 May 2020 17:42
 Operator : JC/MD
 Sample : L2749-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 28 04:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 04:16:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	299093	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	290682	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	145983	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	89777	3.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.60%
7) Chloroethane-d5	1.93	69	82782	3.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.00%
11) 1,1-Dichloroethene-d2	2.59	63	137710	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.67	46	363747	53.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.78%
24) Chloroform-d	5.10	84	200162	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.74	65	117395	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.76	84	417391	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.72	67	133329	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.92	98	368280	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.20	79	49504	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.65	63	296236	55.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.42%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	111847	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	149068	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

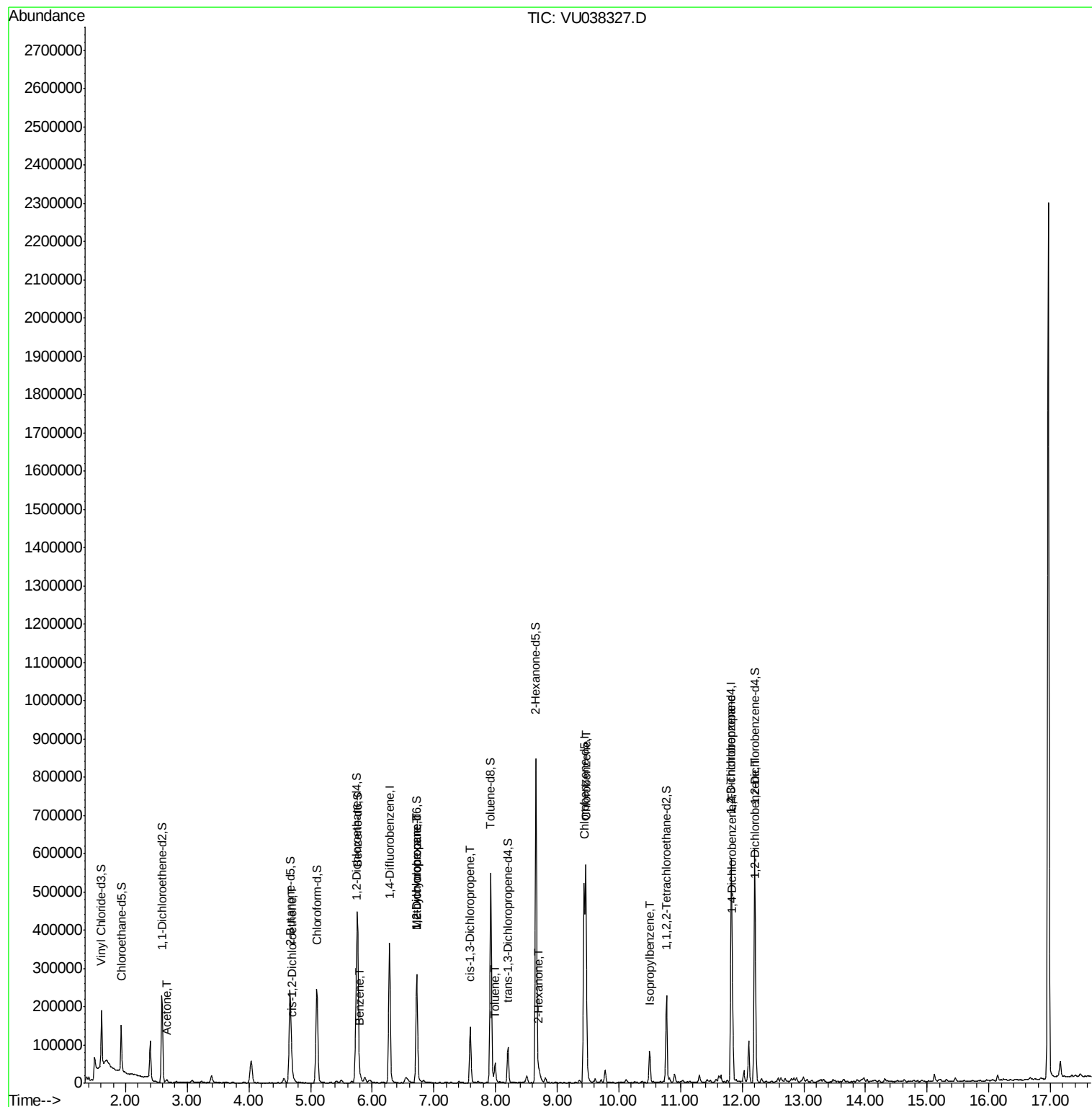
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	4772	1.127	ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	3600	0.147	ug/L	99
33) Benzene	5.81	78	12158	0.131	ug/L	100
35) Methylcyclohexane	6.72	83	32375	0.858	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	14251	0.564	ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	3614	0.100	ug/L #	59
42) Toluene	7.99	91	34487	0.351	ug/L	98
48) 2-Hexanone	8.71	43	17951	1.399	ug/L #	87
51) Chlorobenzene	9.47	112	292687	4.800	ug/L	99
56) Isopropylbenzene	10.50	105	54596	0.539	ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	20606	1.214	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	48885	1.016	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	11393	0.249	ug/L	96

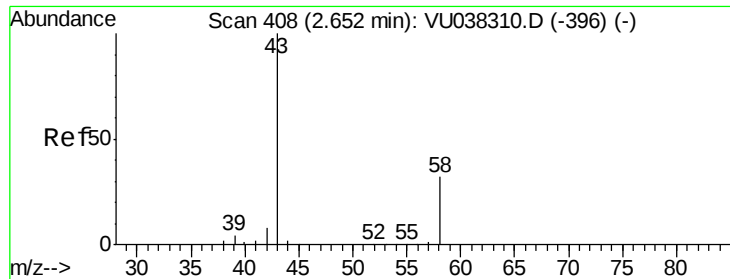
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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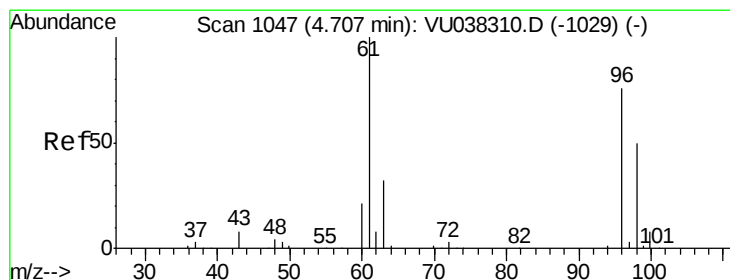
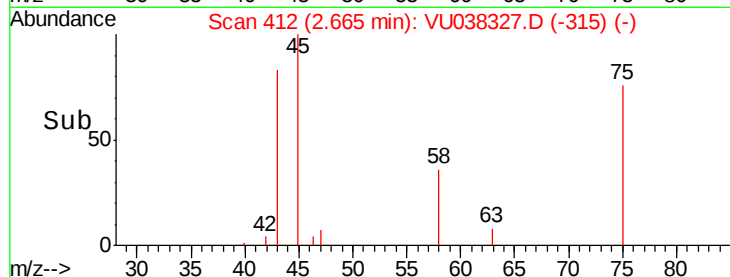
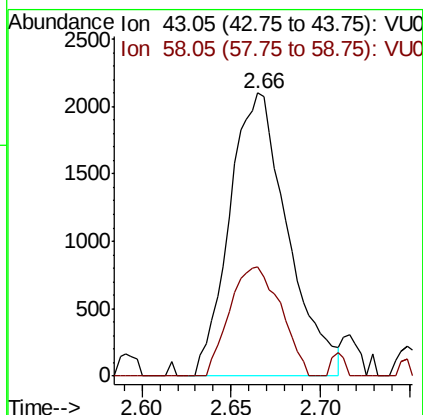
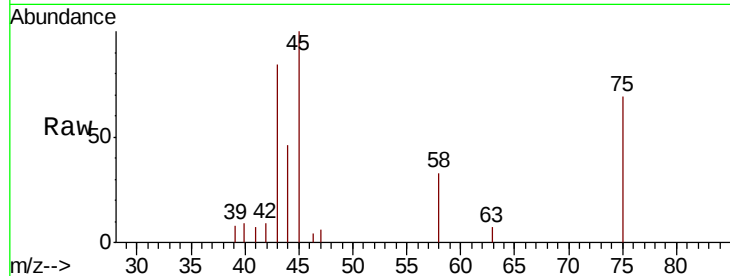




#13
Acetone
Concen: 1.127 ug/L
RT: 2.66 min Scan# 412
Delta R.T. 0.01 min
Lab File: VU038327.D
Acq: 27 May 2020 17:42

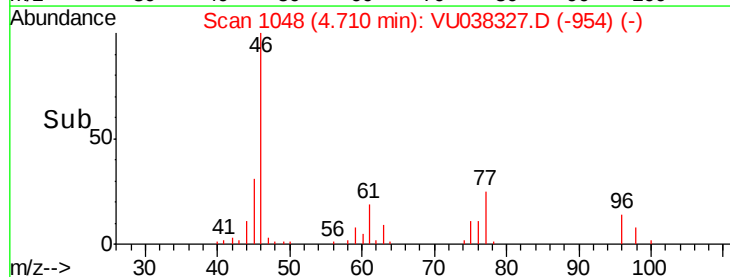
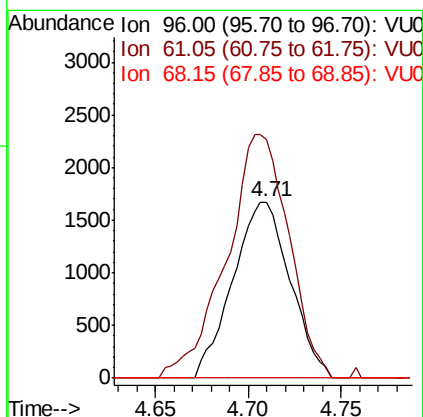
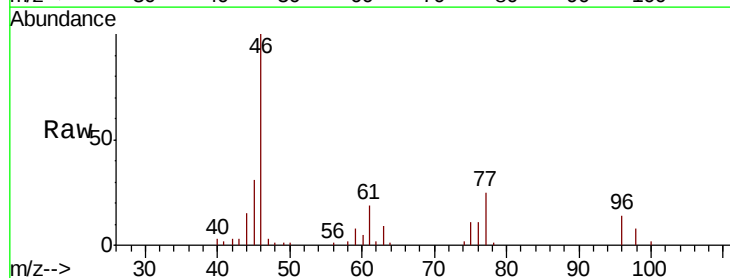
Instrument :
MSVOA_U
ClientSampled :

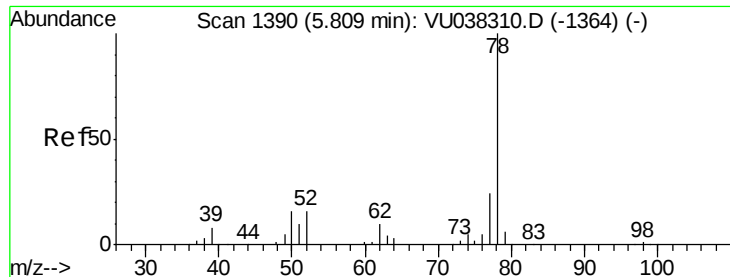
Tot Ion: 43 Resp: 4772
Ion Ratio Lower Upper
43 100
58 34.0 0.0 63.6



#22
cis-1,2-Dichloroethene
Concen: 0.147 ug/L
RT: 4.71 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU038327.D
Acq: 27 May 2020 17:42

Tgt Ion: 96 Resp: 3600
Ion Ratio Lower Upper
96 100
61 135.3 95.3 176.9
68 0.0 0.0 0.0





#33

Benzene

Concen: 0.131 ug/L

RT: 5.81 min Scan# 1389

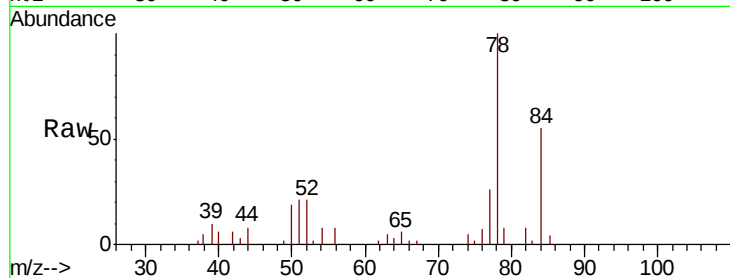
Delta R.T. -0.00 min

Lab File: VU038327.D

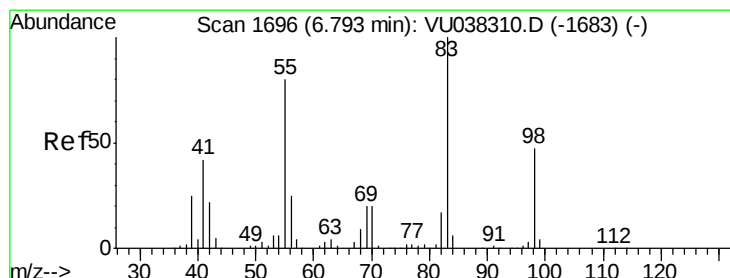
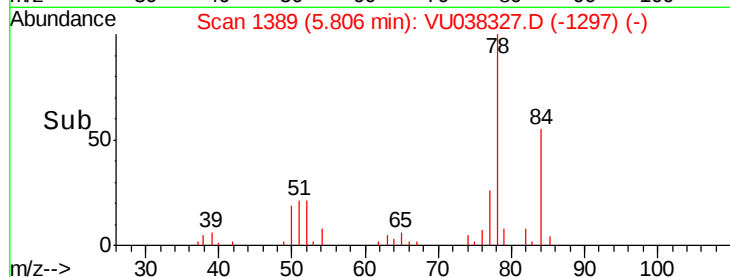
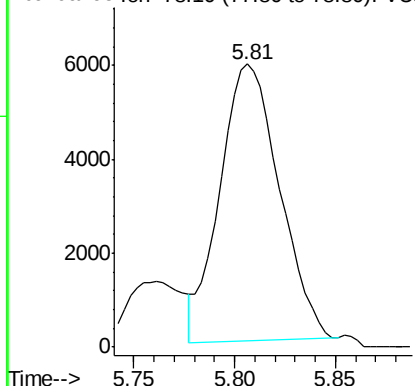
Acq: 27 May 2020 17:42

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 12158



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.858 ug/L

RT: 6.72 min Scan# 1674

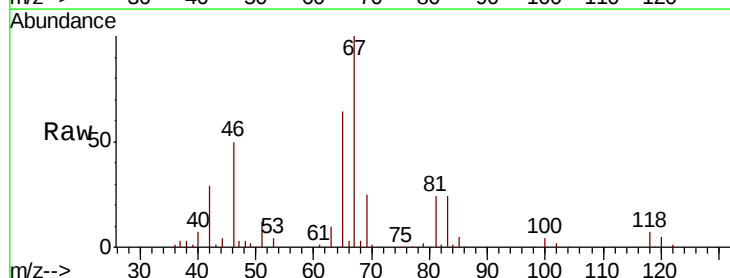
Delta R.T. -0.07 min

Lab File: VU038327.D

Acq: 27 May 2020 17:42

Tgt Ion: 83 Resp: 32375

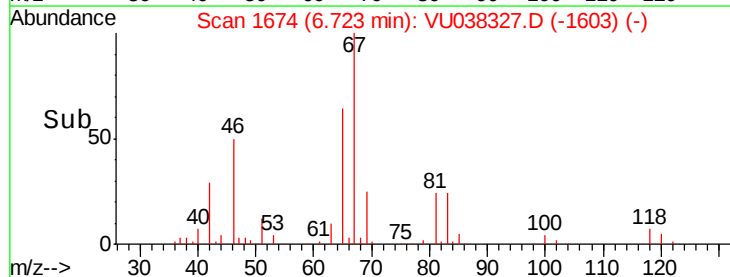
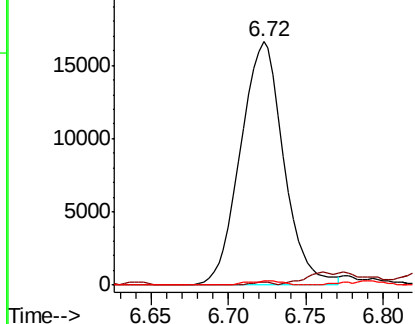
Ion	Ratio	Lower	Upper
83	100		
55	0.5	66.7	100.1#
98	1.5	39.4	59.2#

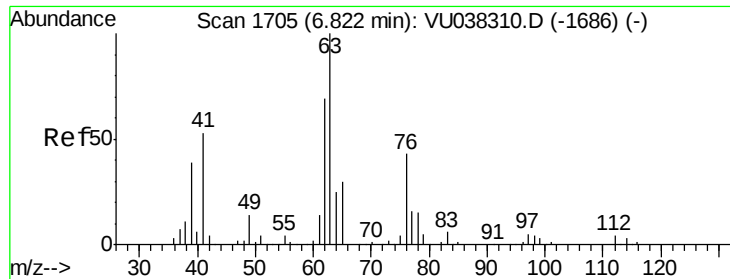


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

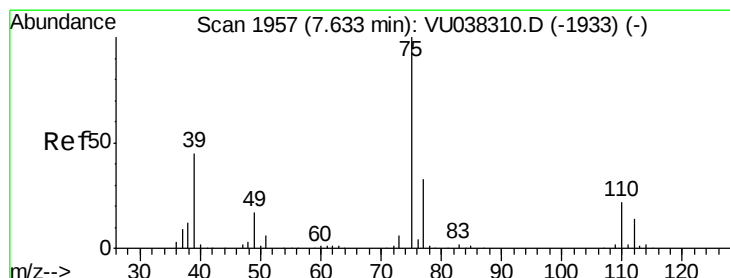
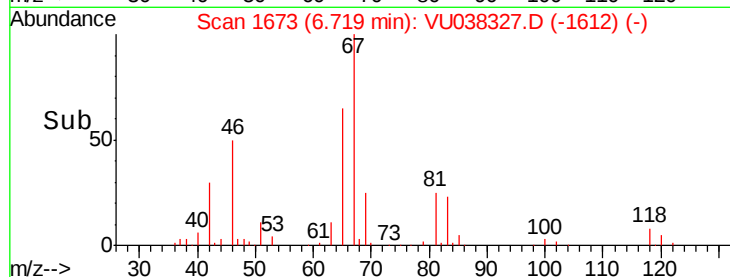
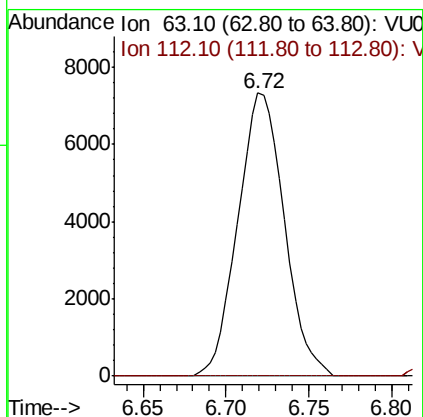
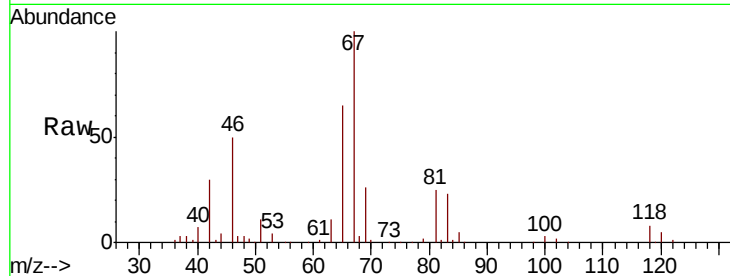




#37
 1,2-Dichloropropane
 Concen: 0.564 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038327.D
 Acq: 27 May 2020 17:42

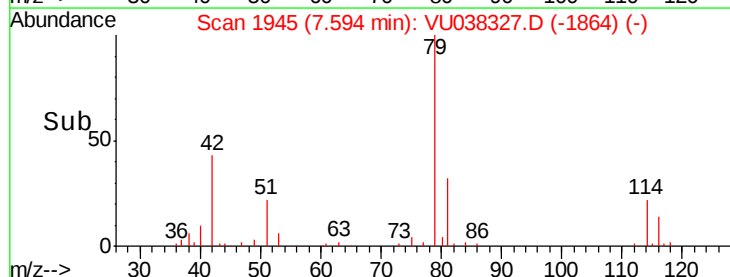
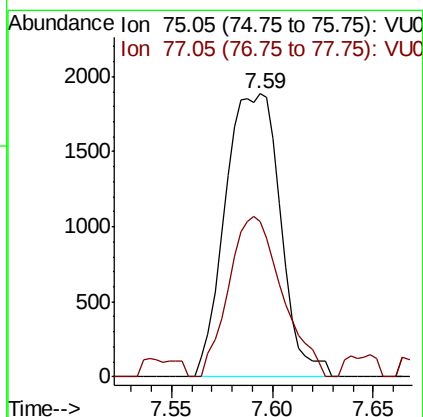
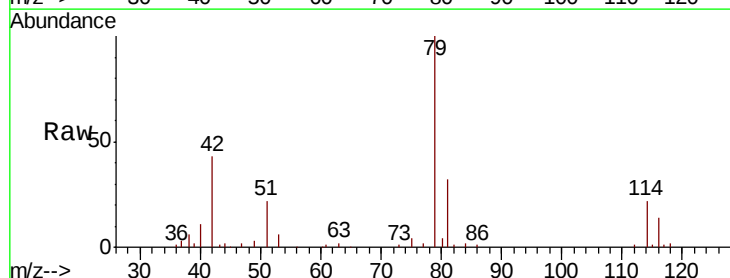
Instrument :
 MSVOA_U
 ClientSampleId :

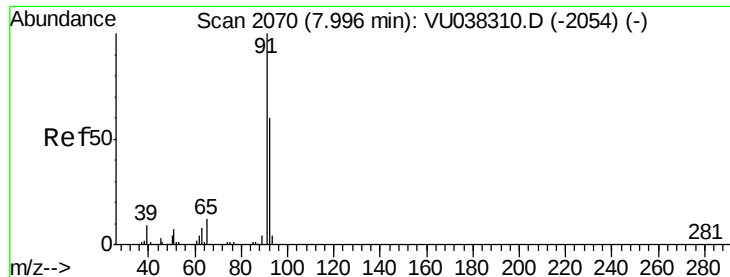
Tot Ion: 63 Resp: 14251
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.1 4.7



#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038327.D
 Acq: 27 May 2020 17:42

Tgt Ion: 75 Resp: 3614
 Ion Ratio Lower Upper
 75 100
 77 54.8 22.4 41.6#





#42

Toluene

Concen: 0.351 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038327.D

Acq: 27 May 2020 17:42

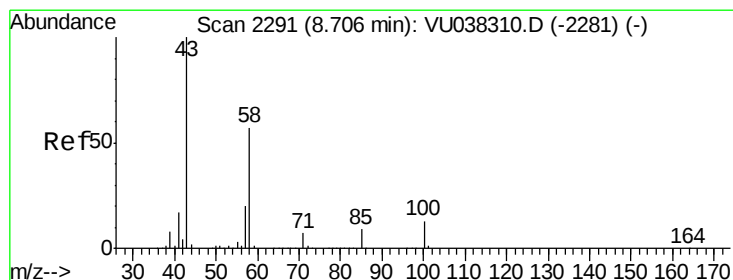
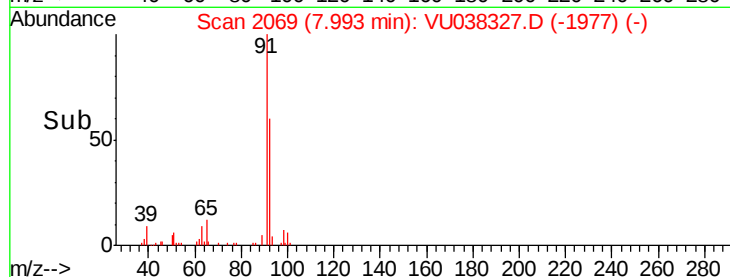
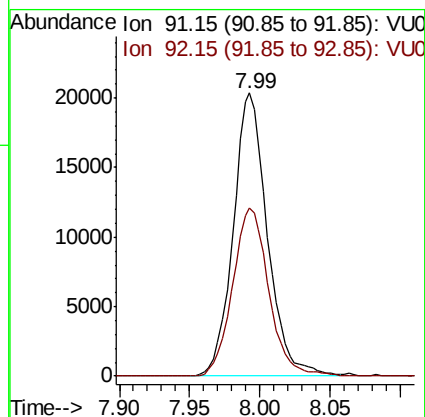
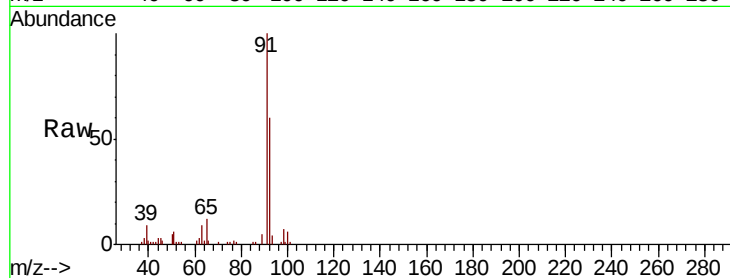
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 34487

Ion Ratio Lower Upper

91 100

92 59.6 40.9 75.9



#48

2-Hexanone

Concen: 1.399 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038327.D

Acq: 27 May 2020 17:42

Tgt Ion: 43 Resp: 17951

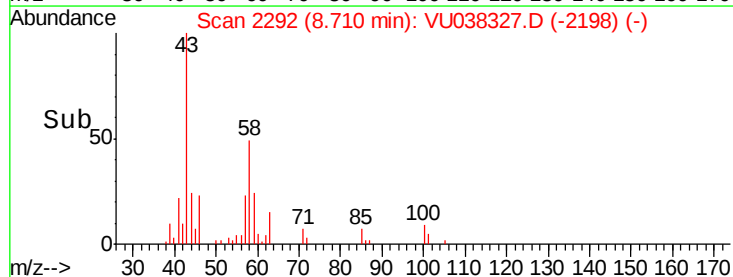
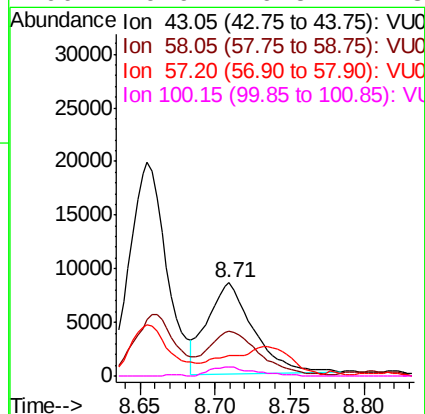
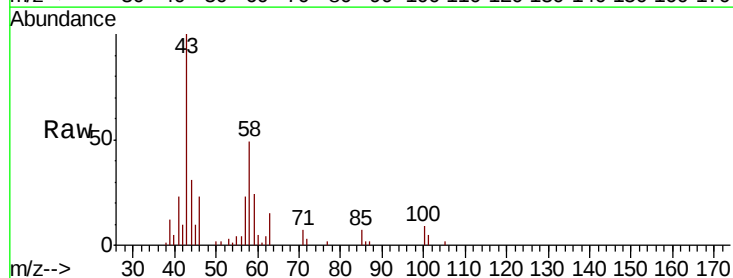
Ion Ratio Lower Upper

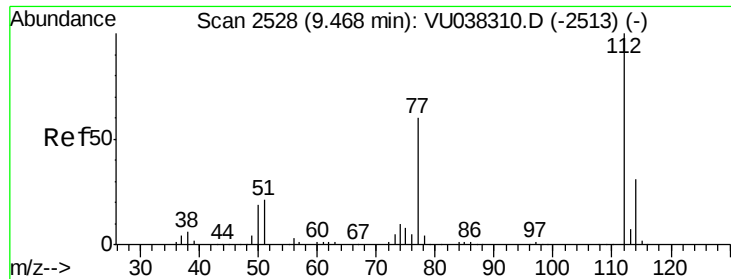
43 100

58 55.4 45.2 67.8

57 43.0 15.5 23.3#

100 9.9 9.5 14.3





#51

Chlorobenzene

Concen: 4.800 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038327.D

Acq: 27 May 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

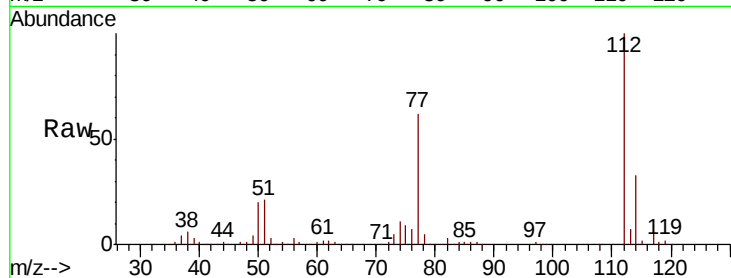
Tot Ion:112 Resp: 292687

Ion Ratio Lower Upper

112 100

114 32.6 22.5 41.7

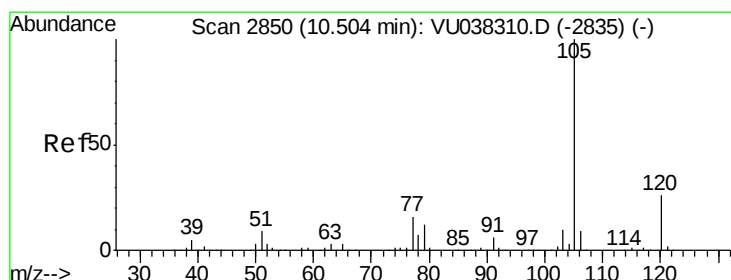
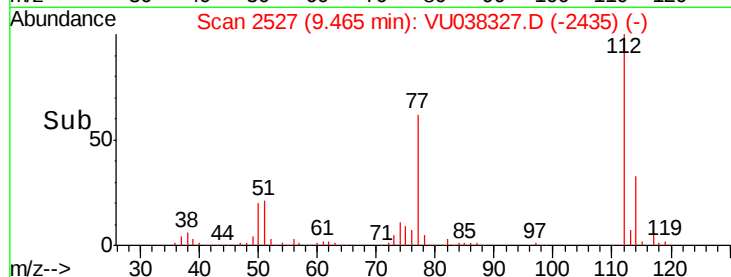
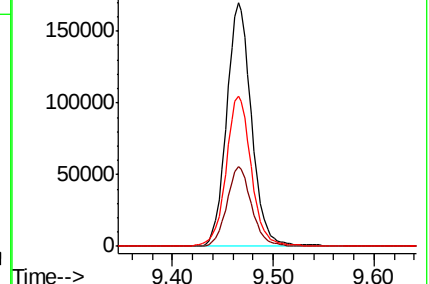
77 61.8 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



#56

Isopropylbenzene

Concen: 0.539 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038327.D

Acq: 27 May 2020 17:42

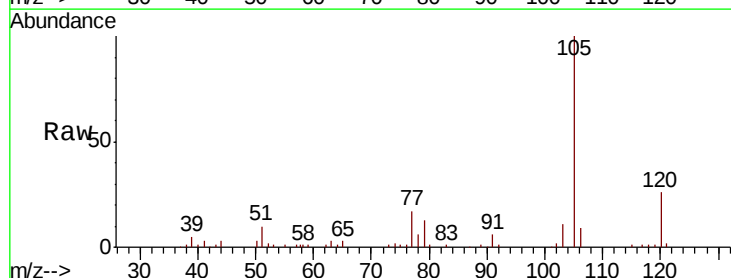
Tgt Ion:105 Resp: 54596

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

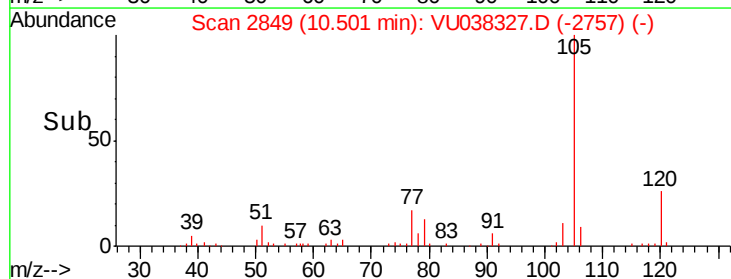
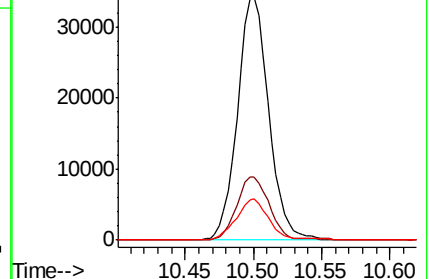
77 17.7 13.0 19.4

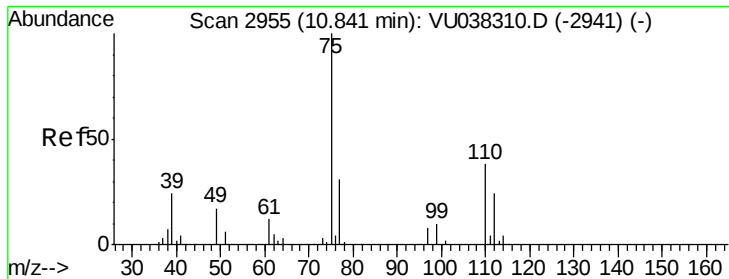


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

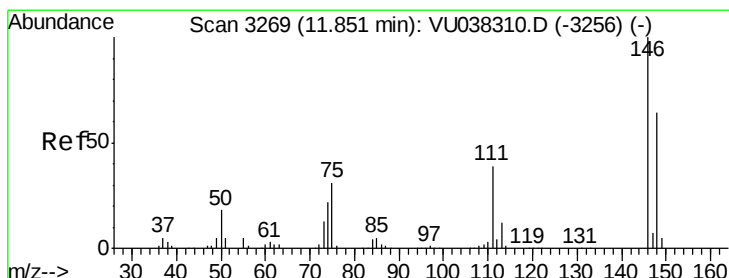
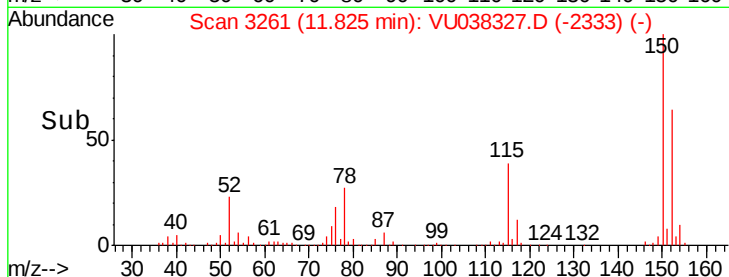
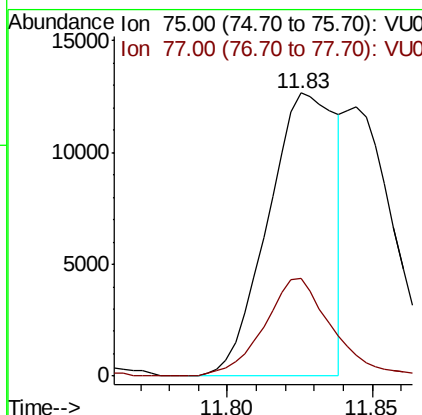
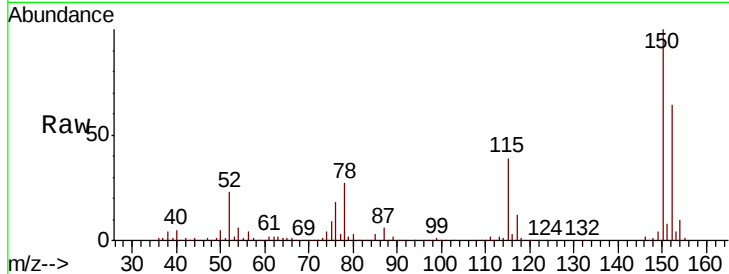




#59
 1,2,3-Trichloropropane
 Concen: 1.214 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038327.D
 Acq: 27 May 2020 17:42

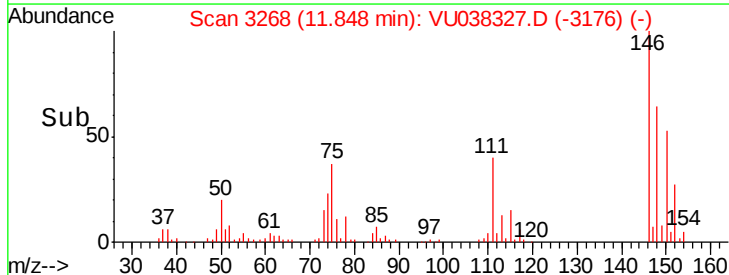
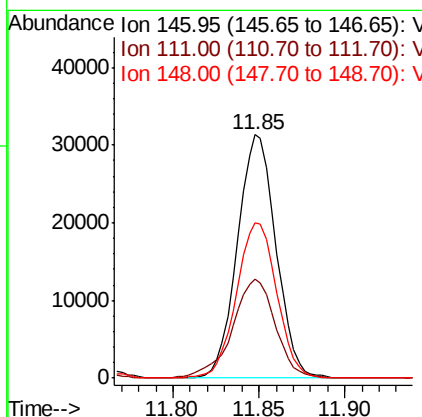
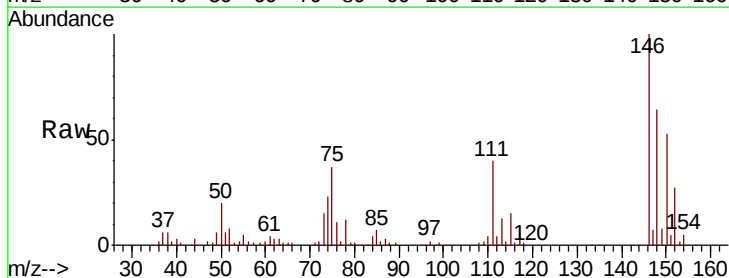
Instrument :
 MSVOA_U
 ClientSampleId :

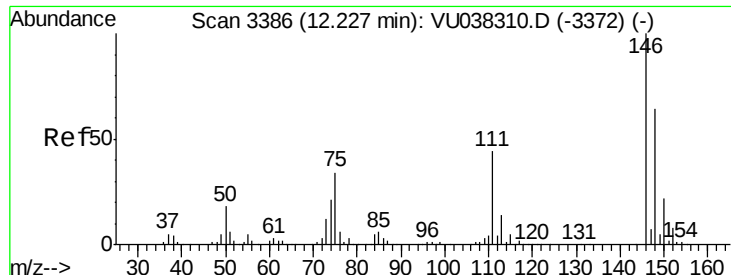
Tot Ion: 75 Resp: 20606
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 1.016 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038327.D
 Acq: 27 May 2020 17:42

Tgt Ion: 146 Resp: 48885
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.2 50.6
 148 64.0 43.8 81.3

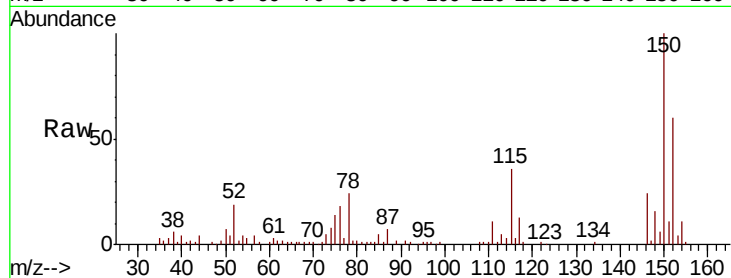




#65
 1,2-Dichlorobenzene
 Concen: 0.249 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038327.D
 Acq: 27 May 2020 17:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	35.3	52.9
148	66.0	51.0	76.4



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

