

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050618\
 Data File : VU023686.D
 Acq On : 06 May 2018 12:49
 Operator : MD/SY
 Sample : J2721-18
 Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 00:51:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 07 00:51:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	376392	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	391594	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	213353	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102391	38.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.76%
7) Chloroethane-d5	1.64	69	52203	25.67	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	51.34%#
11) 1,1-Dichloroethene-d2	2.24	63	137101	26.36	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.72%#
21) 2-Butanone-d5	4.19	46	174944	94.92	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.92%
24) Chloroform-d	4.65	84	177993	40.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.70%
26) 1,2-Dichloroethane-d4	5.31	65	125066	40.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.52%
32) Benzene-d6	5.34	84	399714	38.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.08%
36) 1,2-Dichloropropane-d6	6.33	67	135035	38.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	76.74%
41) Toluene-d8	7.57	98	388961	40.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.32%
43) trans-1,3-Dichloropropene-	7.86	79	57917	38.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.46%
47) 2-Hexanone-d5	8.33	63	138322	103.50	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.50%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	195961	43.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.10%
64) 1,2-Dichlorobenzene-d4	11.87	152	172614	41.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.94%

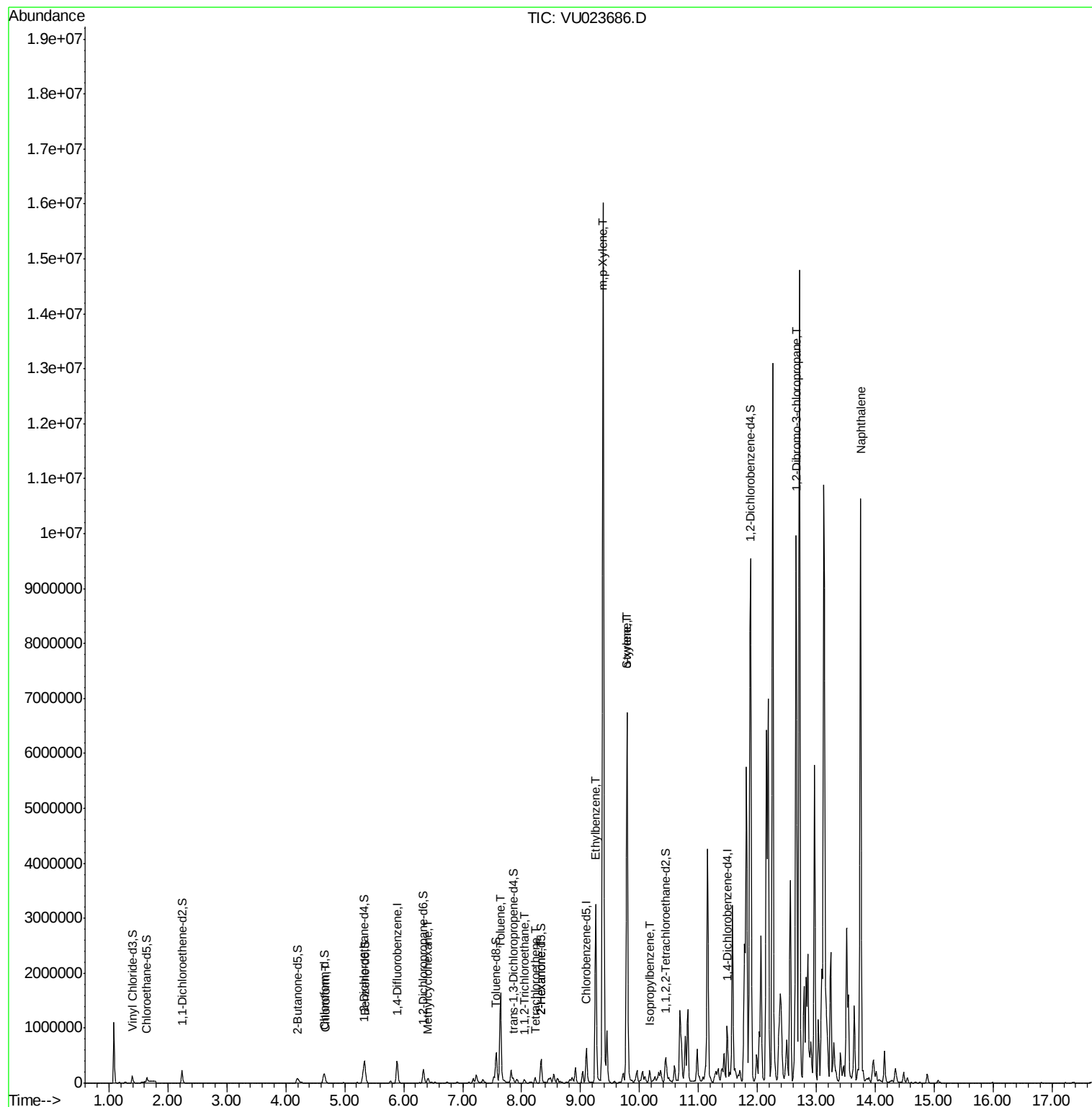
Target Compounds

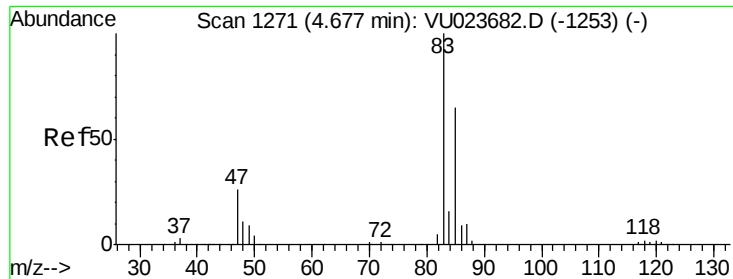
						Qvalue
25) Chloroform	4.67	83	8270	1.35	ug/L	94
35) Methylcyclohexane	6.41	83	34849	6.30	ug/L	98
42) Toluene	7.64	91	1333352	93.22	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	21968	6.54	ug/L #	18
46) Tetrachloroethene	8.23	164	15479	5.37	ug/L	98
48) 2-Hexanone	8.33	43	47138	11.21	ug/L #	36
52) Ethylbenzene	9.26	91	2501983	161.38	ug/L	99
53) m,p-Xylene	9.38	106	4817552	814.68	ug/L	96
54) o-xylene	9.79	106	1882459	336.00	ug/L	99
55) Styrene	9.79	104	114906	11.72	ug/L #	1
56) Isopropylbenzene	10.17	105	136184	9.26	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	38293	33.51	ug/L #	1
69) Naphthalene	13.75	128	8174146	569.12	ug/L	99

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

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#25

Chloroform

Concen: 1.35 ug/L

RT: 4.67 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU023686.D

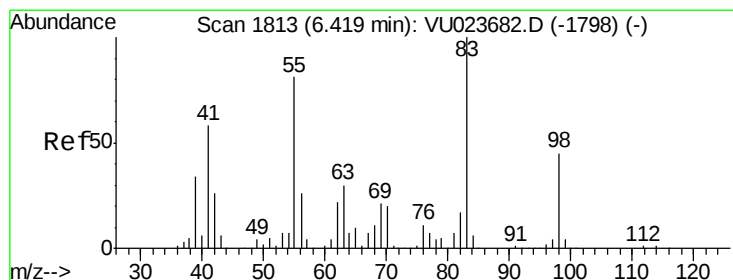
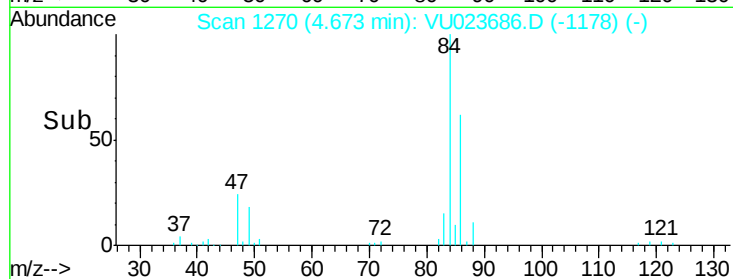
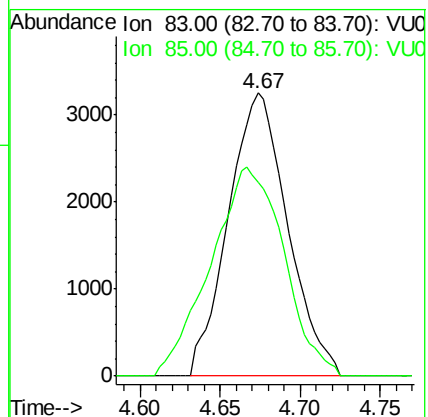
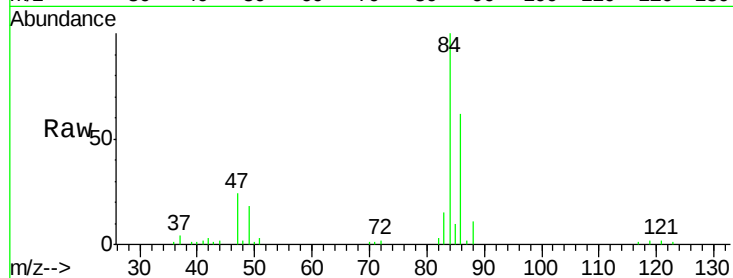
Acq: 06 May 2018 12:49

Tgt Ion: 83 Resp: 8270

Ion Ratio Lower Upper

83 100

85 68.5 44.4 82.5



#35

Methylcyclohexane

Concen: 6.30 ug/L

RT: 6.41 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VU023686.D

Acq: 06 May 2018 12:49

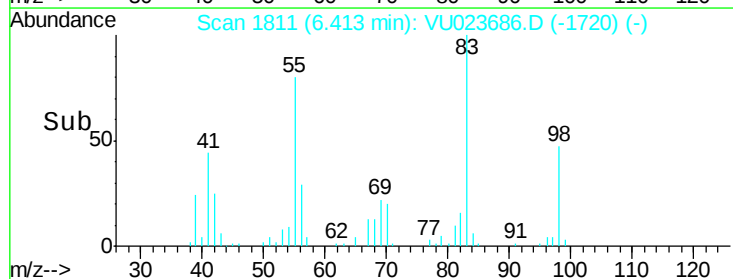
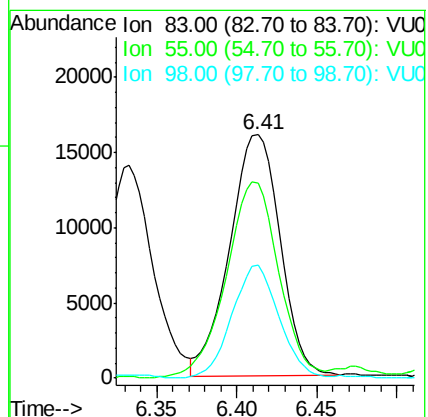
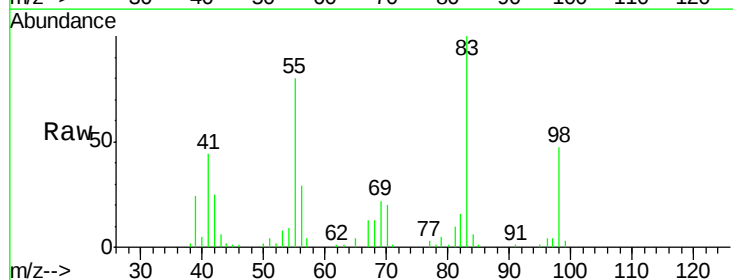
Tgt Ion: 83 Resp: 34849

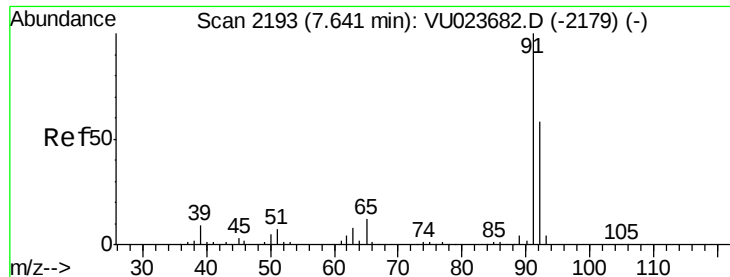
Ion Ratio Lower Upper

83 100

55 84.5 66.7 100.1

98 43.3 36.6 54.8





#42

Toluene

Concen: 93.22 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023686.D

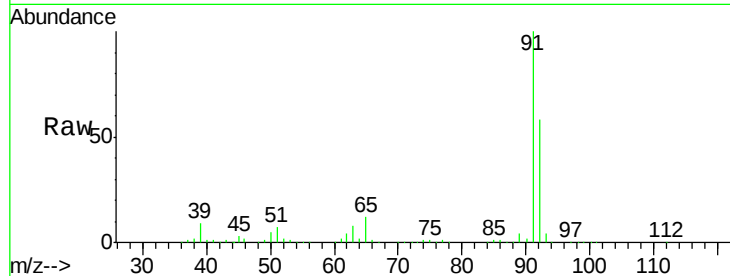
Acq: 06 May 2018 12:49

Tgt Ion: 91 Resp: 1333352

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU023682.D (-2179) (-)

Ion 92.00 (91.70 to 92.70): VU023682.D (-2179) (-)

7.64

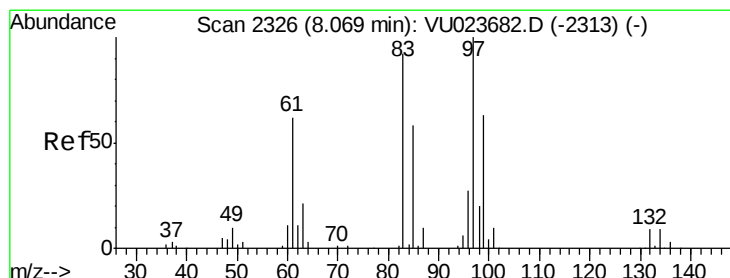
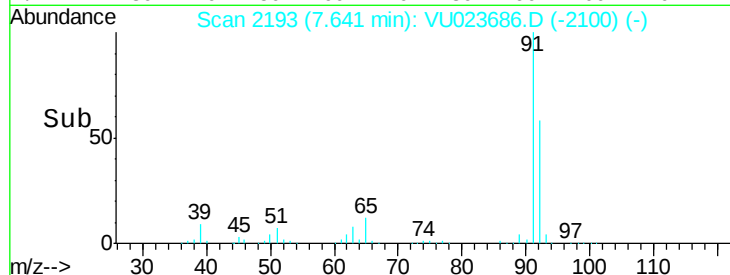
600000

400000

200000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 6.54 ug/L

RT: 8.05 min Scan# 2319

Delta R.T. -0.02 min

Lab File: VU023686.D

Acq: 06 May 2018 12:49

Tgt Ion: 97 Resp: 21968

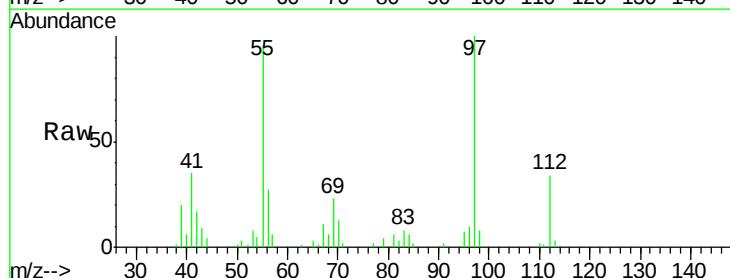
Ion Ratio Lower Upper

97 100

99 0.0 44.2 82.2#

83 8.4 63.1 117.1#

85 2.0 40.3 74.8#



Abundance Ion 97.00 (96.70 to 97.70): VU023682.D (-2313) (-)

Ion 99.00 (98.70 to 99.70): VU023682.D (-2313) (-)

Ion 83.00 (82.70 to 83.70): VU023682.D (-2313) (-)

Ion 85.00 (84.70 to 85.70): VU023682.D (-2313) (-)

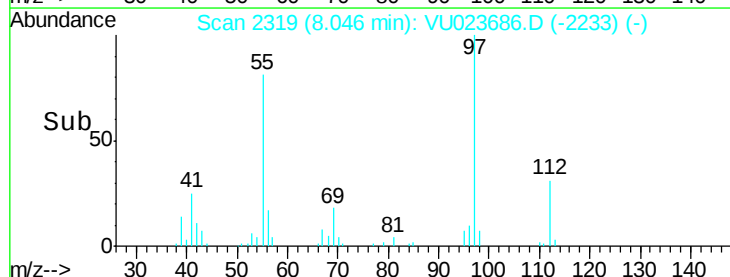
15000

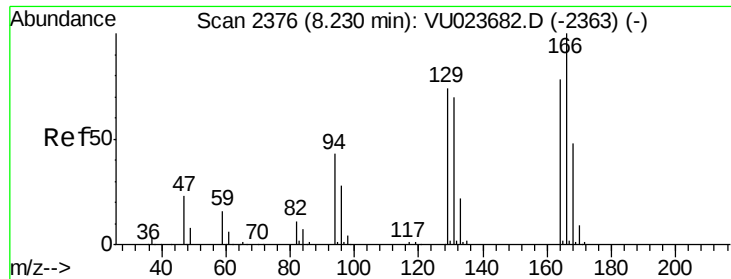
10000

5000

0

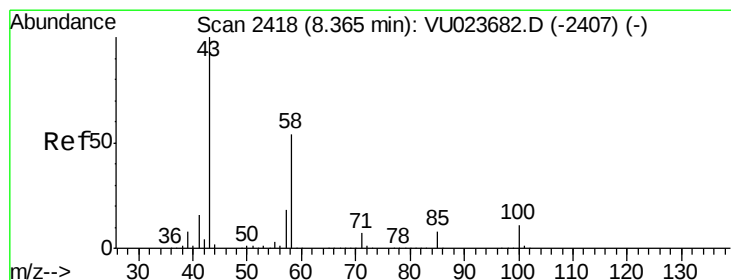
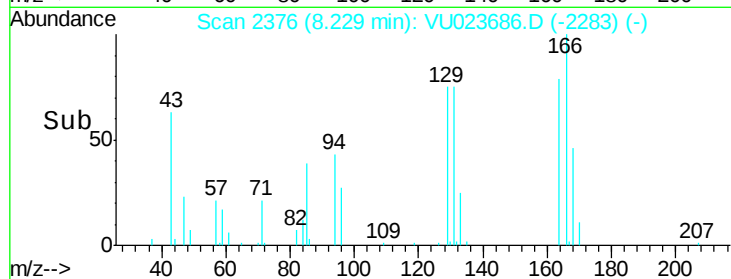
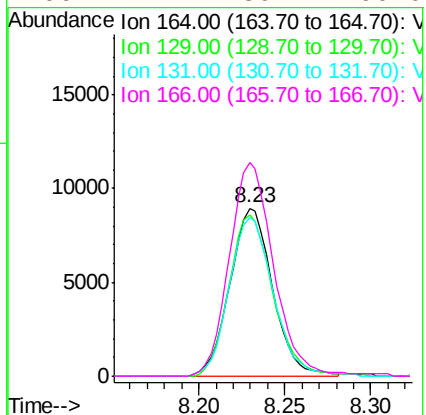
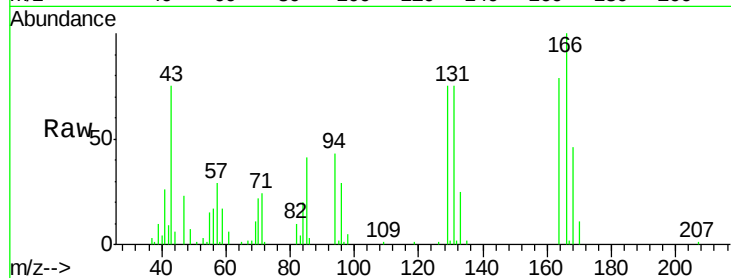
Time-->





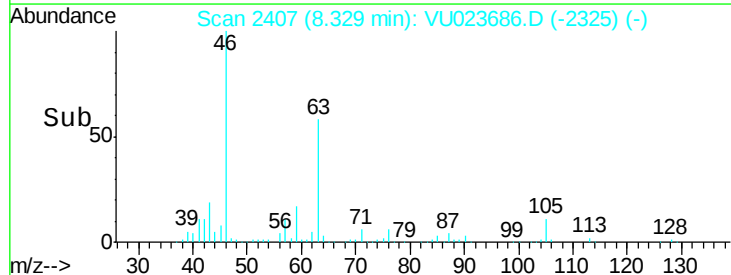
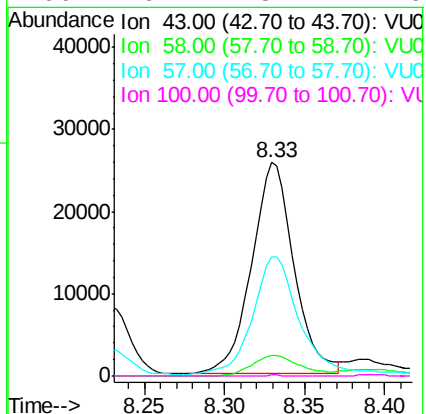
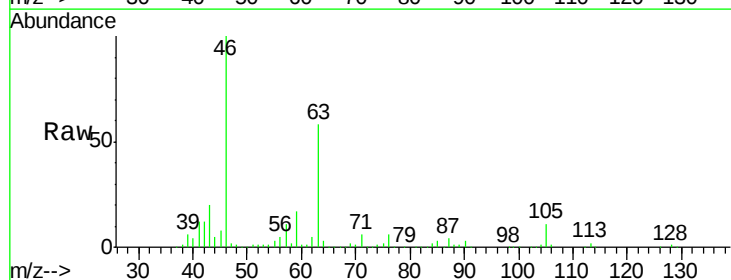
#46
Tetrachloroethene
Concen: 5.37 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU023686.D
Acq: 06 May 2018 12:49

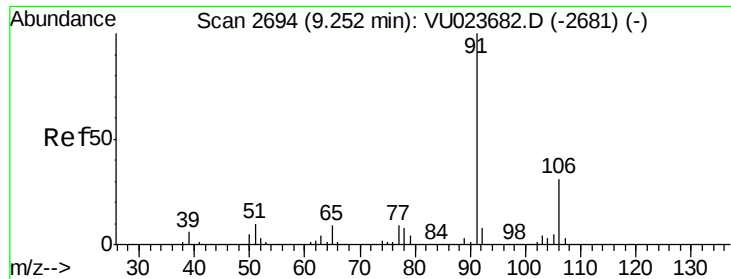
Tgt Ion:	164	Resp:	15479
Ion	Ratio	Lower	Upper
164	100		
129	95.6	64.2	119.2
131	94.7	64.1	119.1
166	127.1	89.4	166.0



#48
2-Hexanone
Concen: 11.21 ug/L
RT: 8.33 min Scan# 2407
Delta R.T. -0.04 min
Lab File: VU023686.D
Acq: 06 May 2018 12:49

Tgt Ion:	43	Resp:	47138
Ion	Ratio	Lower	Upper
43	100		
58	11.2	43.0	64.6#
57	62.0	14.6	22.0#
100	0.1	8.4	12.6#





#52

Ethylbenzene

Concen: 161.38 ug/L

RT: 9.26 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VU023686.D

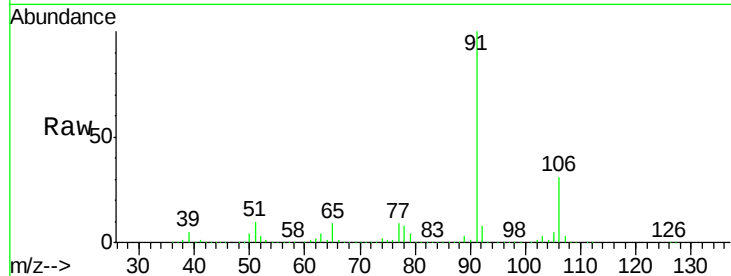
Acq: 06 May 2018 12:49

Tgt Ion: 91 Resp: 2501983

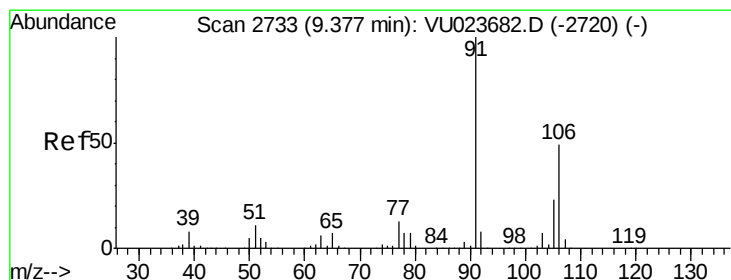
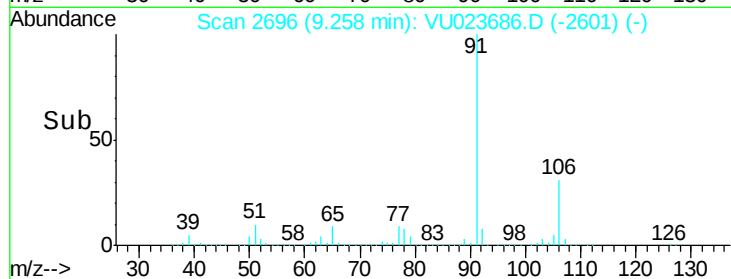
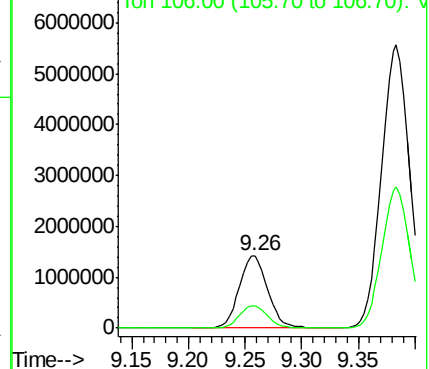
Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU023682.D (-2681) (-)



#53

m,p-Xylene

Concen: 814.68 ug/L

RT: 9.38 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU023686.D

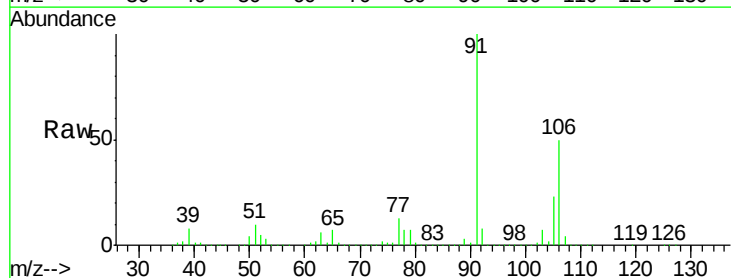
Acq: 06 May 2018 12:49

Tgt Ion: 106 Resp: 4817552

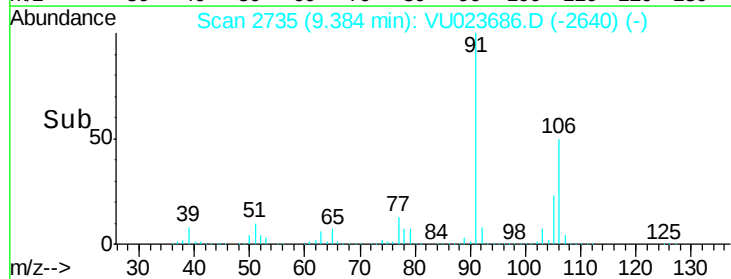
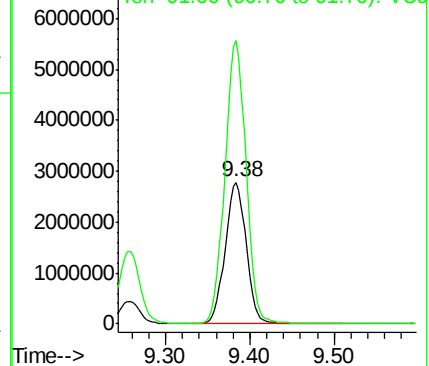
Ion Ratio Lower Upper

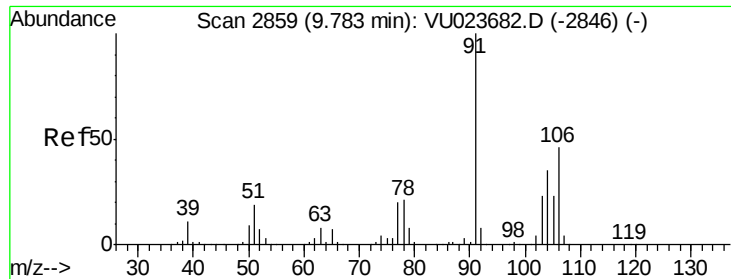
106 100

91 200.2 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU023686.D (-2640) (-)





#54

o-xylene

Concen: 336.00 ug/L

RT: 9.79 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VU023686.D

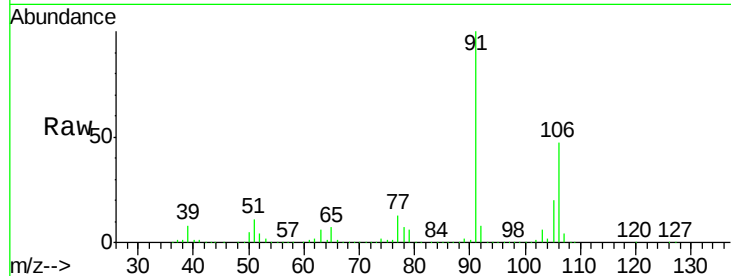
Acq: 06 May 2018 12:49

Tgt Ion:106 Resp: 1882459

Ion Ratio Lower Upper

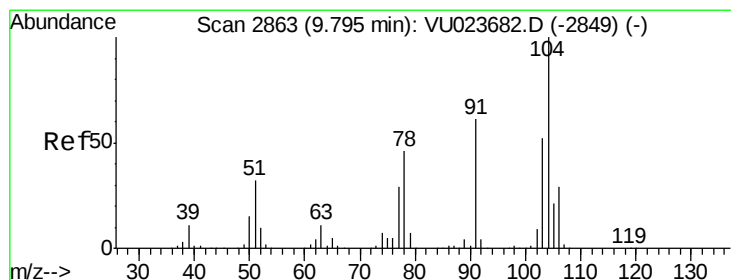
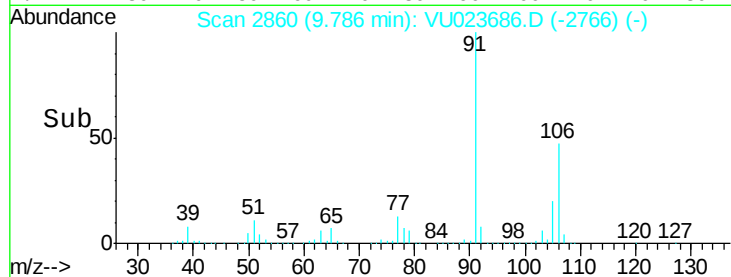
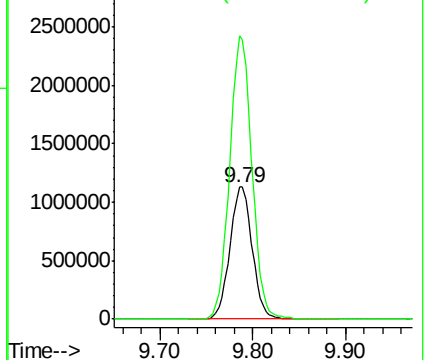
106 100

91 214.5 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 11.72 ug/L

RT: 9.79 min Scan# 2861

Delta R.T. -0.01 min

Lab File: VU023686.D

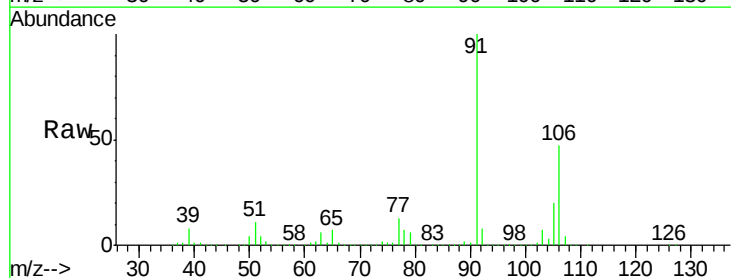
Acq: 06 May 2018 12:49

Tgt Ion:104 Resp: 114906

Ion Ratio Lower Upper

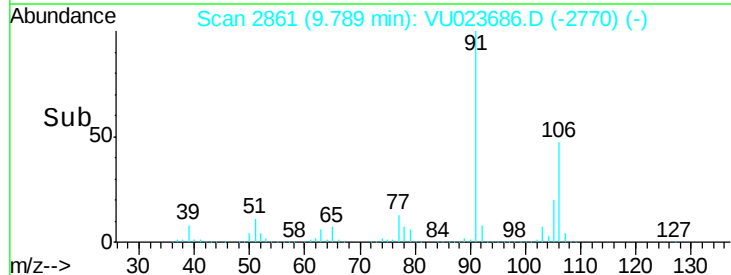
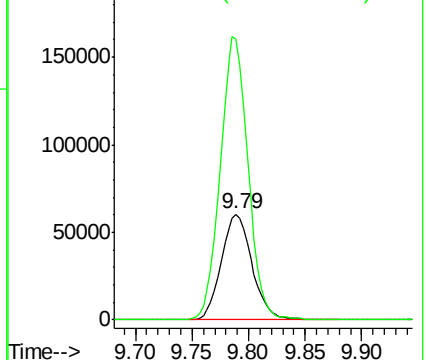
104 100

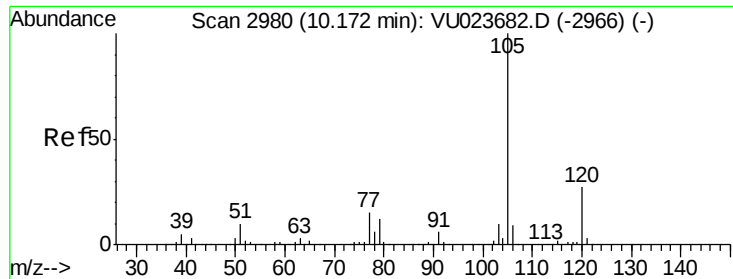
78 265.6 32.1 59.7#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.26 ug/L

RT: 10.17 min Scan# 2981

Delta R.T. 0.00 min

Lab File: VU023686.D

Acq: 06 May 2018 12:49

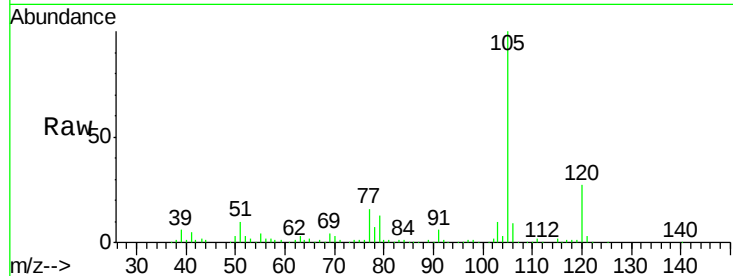
Tgt Ion: 105 Resp: 136184

Ion Ratio Lower Upper

105 100

120 26.7 20.9 31.3

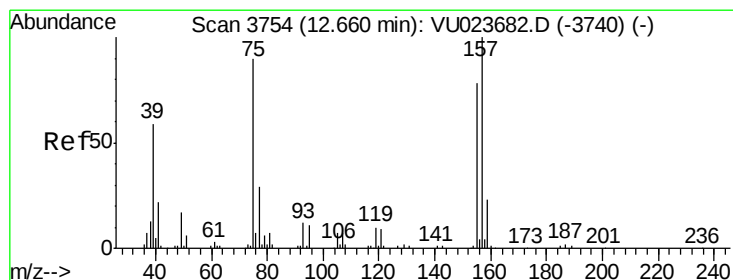
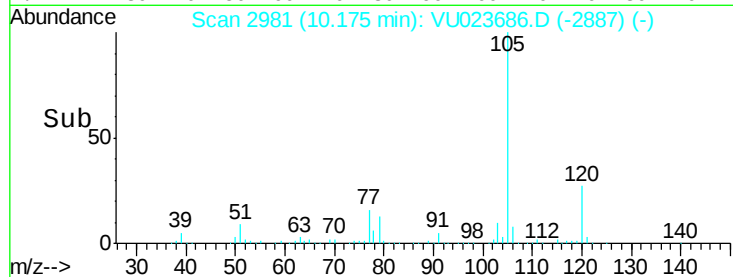
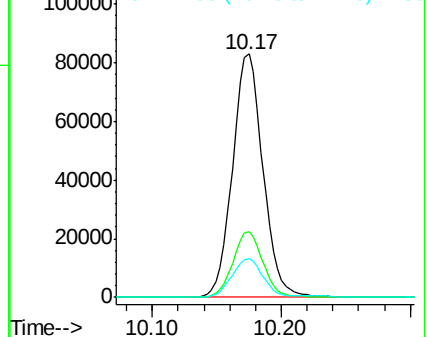
77 16.1 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 33.51 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU023686.D

Acq: 06 May 2018 12:49

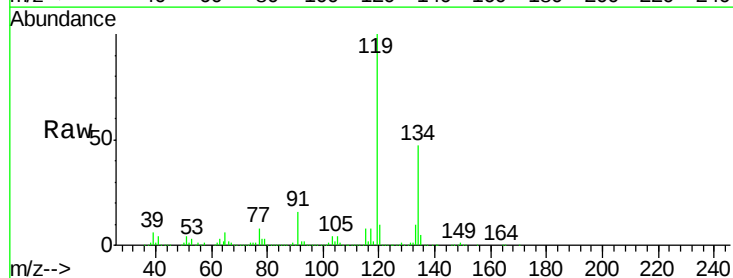
Tgt Ion: 75 Resp: 38293

Ion Ratio Lower Upper

75 100

155 0.7 68.9 103.3#

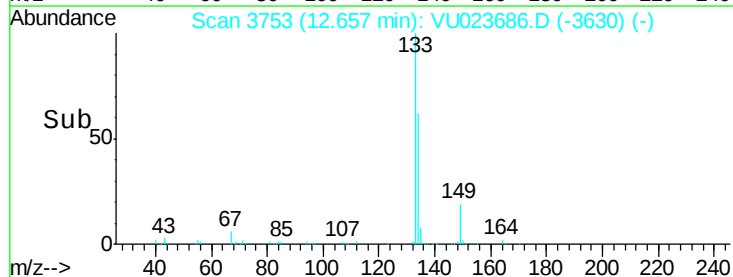
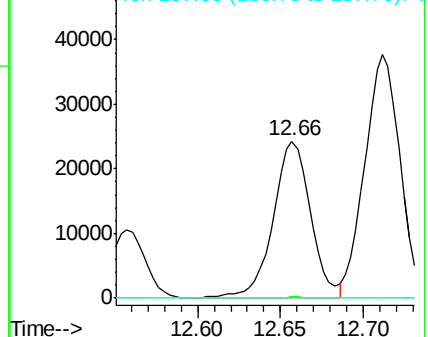
157 0.0 89.9 134.9#

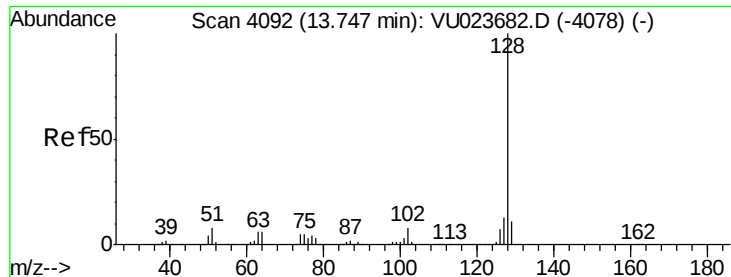


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

Naphthalene

Concen: 569.12 ug/L

RT: 13.75 min Scan# 4093

Delta R.T. 0.00 min

Lab File: VU023686.D

Acq: 06 May 2018 12:49

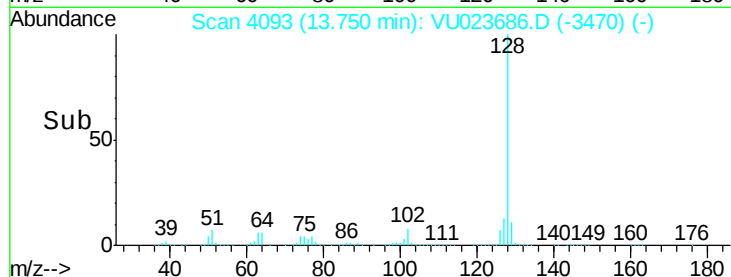
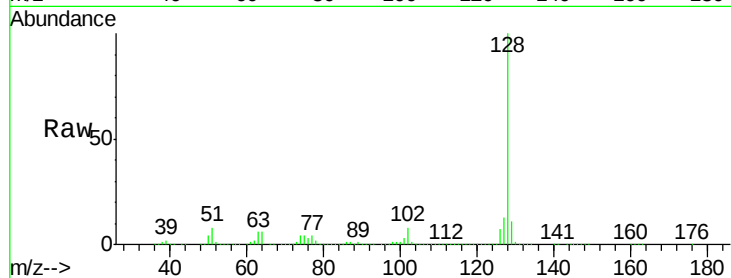
Tgt Ion:128 Resp: 8174146

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

