

Data File : VV013681.D
Acq On : 19 Nov 2019 16:21
Operator : SY/MD
Sample : VIBLK42
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Quant Time: Nov 20 01:35:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	387339	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	369122	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	183980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96932	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.58	69	99737	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.13	63	138587	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	3.96	46	317750	57.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.86%
24) Chloroform-d	4.40	84	243961	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	122378	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.09	84	503435	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.11	67	156082	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.36	98	434082	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.66	79	52577	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.13	63	234917	53.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	109600	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	186456	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

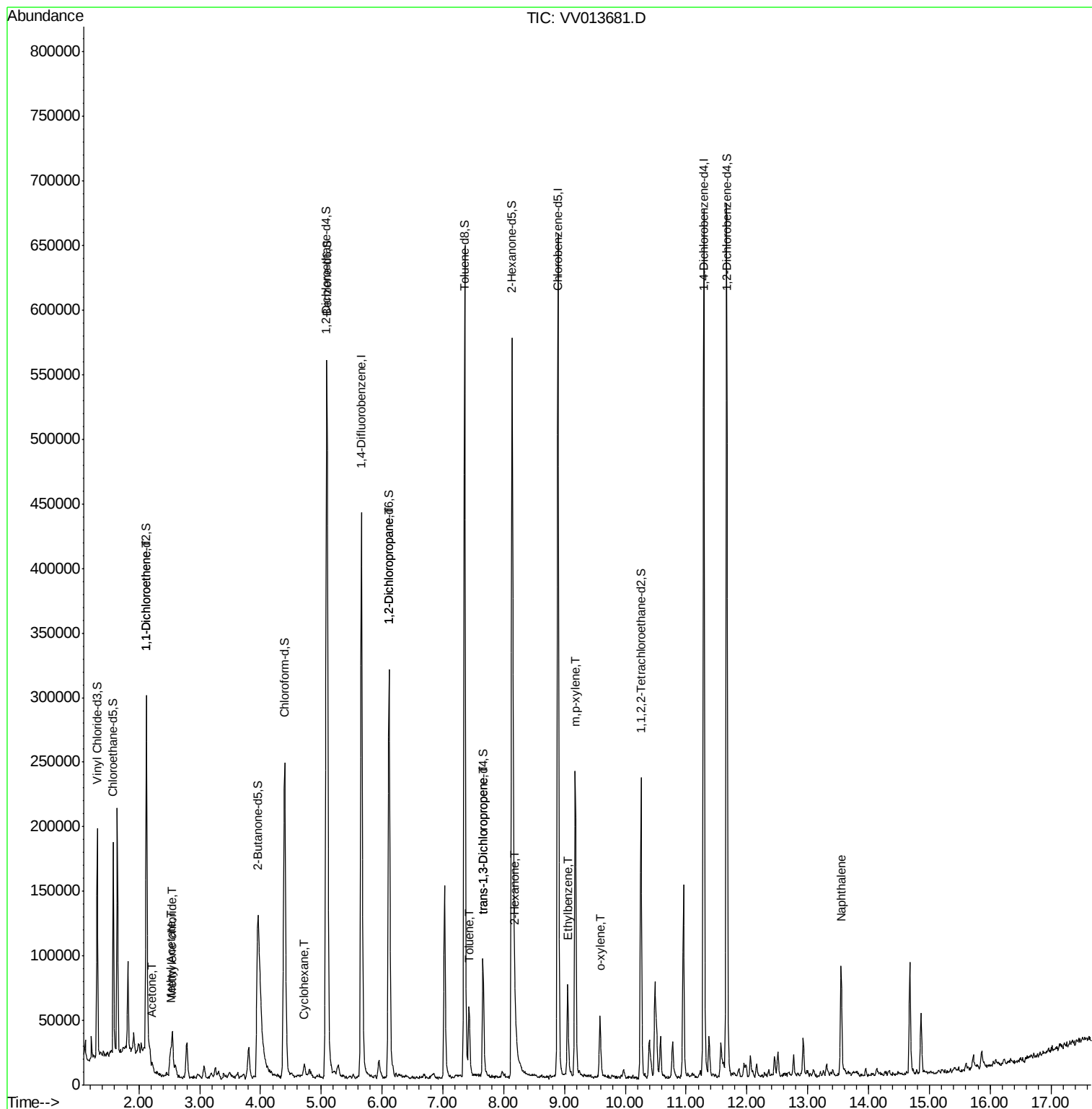
					Qvalue	
12) 1,1-Dichloroethene	2.13	96	1729	0.075	ug/L #	1
13) Acetone	2.22	43	4863	1.393	ug/L	92
15) Methyl Acetate	2.52	43	8365	0.846	ug/L #	54
16) Methylene chloride	2.53	84	3344	0.104	ug/L #	65
30) Cyclohexane	4.72	56	4546	0.102	ug/L #	63
37) 1,2-Dichloropropane	6.12	63	16405	0.613	ug/L #	88
42) Toluene	7.43	91	38316	0.321	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	2455	0.081	ug/L #	52
48) 2-Hexanone	8.19	43	16761	1.518	ug/L #	92
52) Ethylbenzene	9.05	91	50620	0.398	ug/L	99
53) m,p-xylene	9.18	106	68529	1.428	ug/L	98
54) o-xylene	9.59	106	13216	0.286	ug/L	90
69) Naphthalene	13.55	128	68374	1.191	ug/L	97

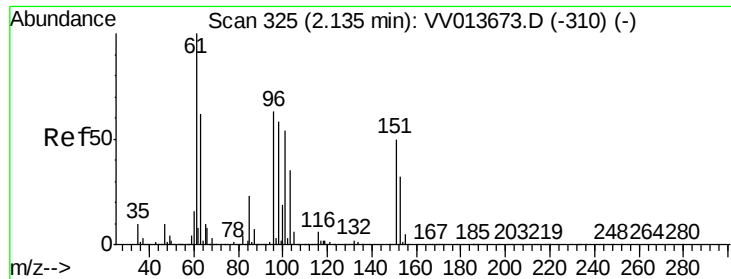
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013681.D

Acq: 19 Nov 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

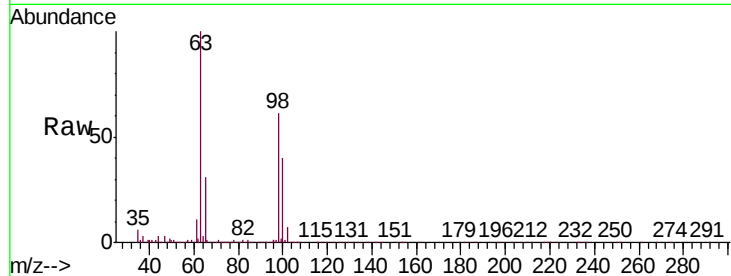
Tgt Ion: 96 Resp: 1729

Ion Ratio Lower Upper

96 100

61 672.6 112.5 208.9#

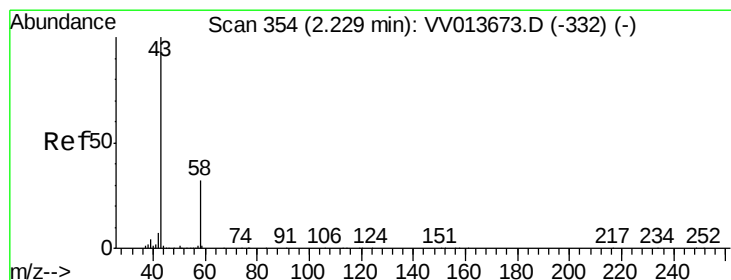
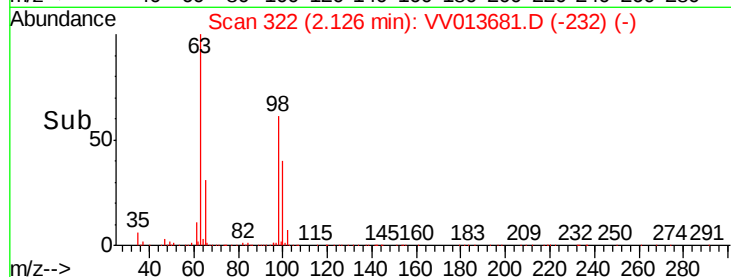
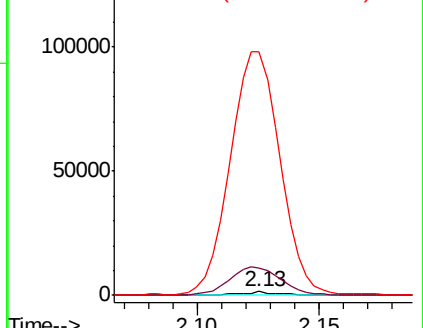
63 5863.6 76.9 142.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 1.393 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV013681.D

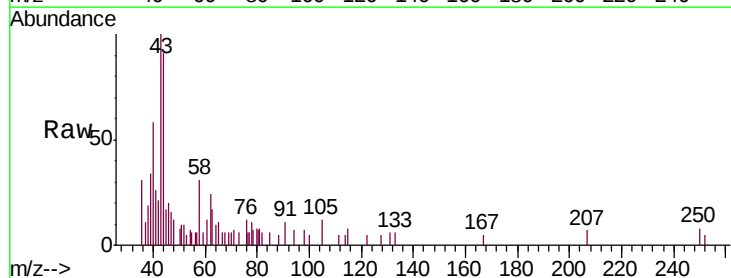
Acq: 19 Nov 2019 16:21

Tgt Ion: 43 Resp: 4863

Ion Ratio Lower Upper

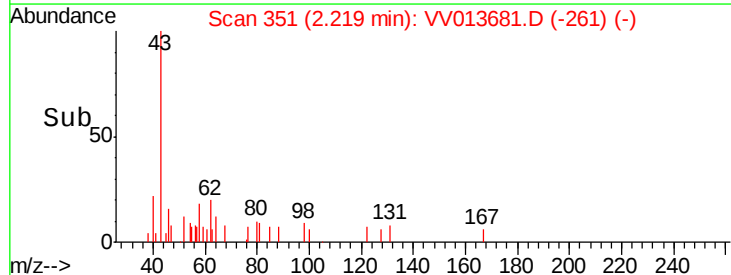
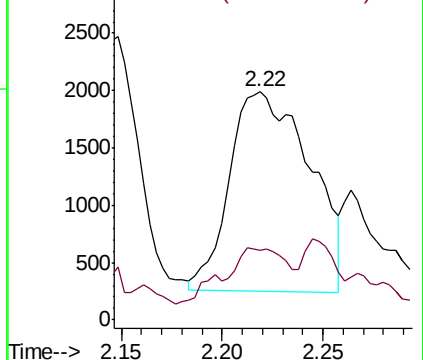
43 100

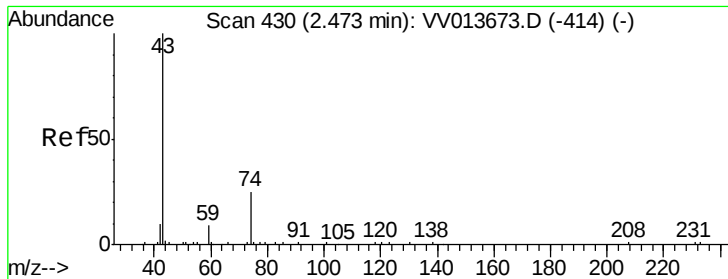
58 11.2 0.0 17.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

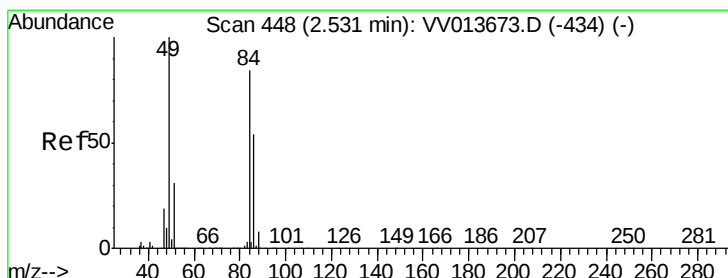
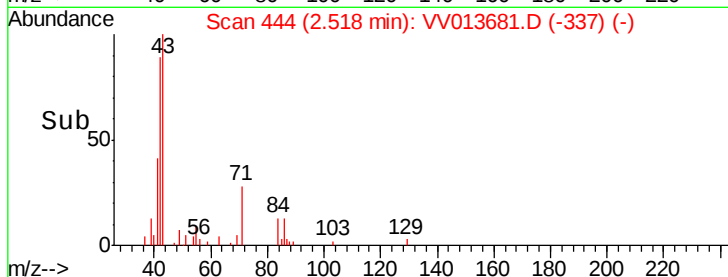
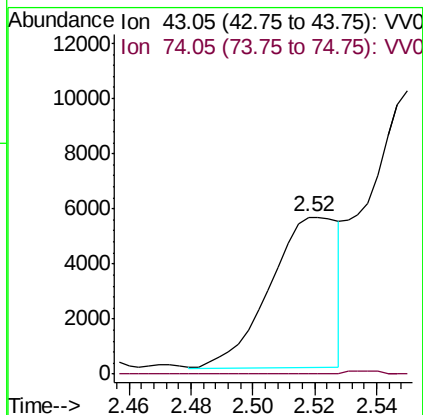
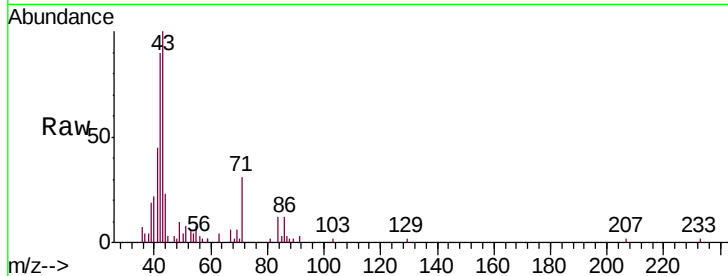




#15
Methyl Acetate
Concen: 0.846 ug/L
RT: 2.52 min Scan# 444
Delta R.T. 0.04 min
Lab File: VV013681.D
Acq: 19 Nov 2019 16:21

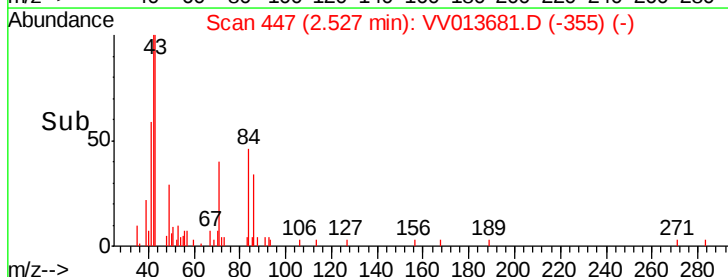
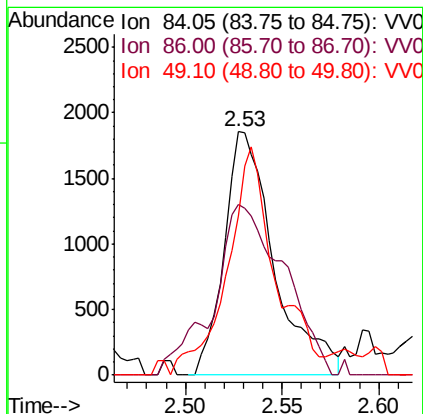
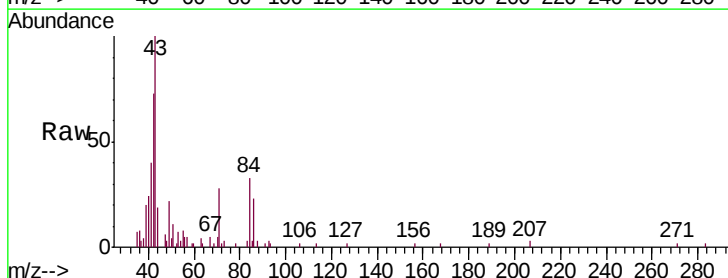
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

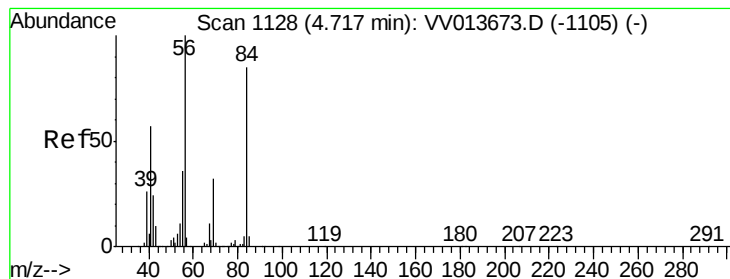
Tgt Ion: 43 Resp: 8365
Ion Ratio Lower Upper
43 100
74 1.1 18.9 28.3#



#16
Methylene chloride
Concen: 0.104 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV013681.D
Acq: 19 Nov 2019 16:21

Tgt Ion: 84 Resp: 3344
Ion Ratio Lower Upper
84 100
86 70.3 44.1 81.9
49 65.4 83.4 155.0#





#30

Cyclohexane

Concen: 0.102 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VV013681.D

Acq: 19 Nov 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

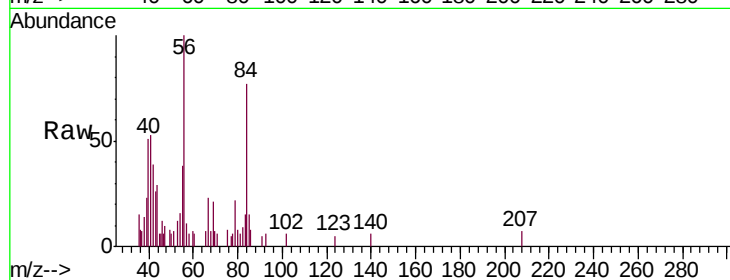
Tgt Ion: 56 Resp: 4546

Ion Ratio Lower Upper

56 100

69 24.8 23.8 35.8

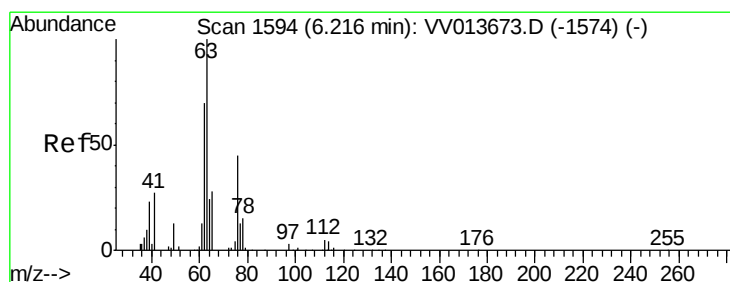
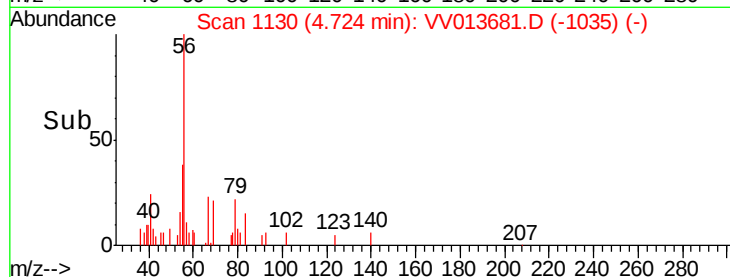
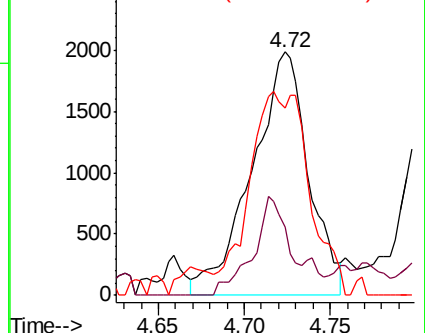
84 43.7 69.1 103.7#



Abundance Ion 56.10 (55.80 to 56.80): VV013673.D (-1105) (-)

Ion 69.15 (68.85 to 69.85): VV013673.D (-1105) (-)

Ion 84.15 (83.85 to 84.85): VV013673.D (-1105) (-)



#37

1,2-Dichloropropane

Concen: 0.613 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013681.D

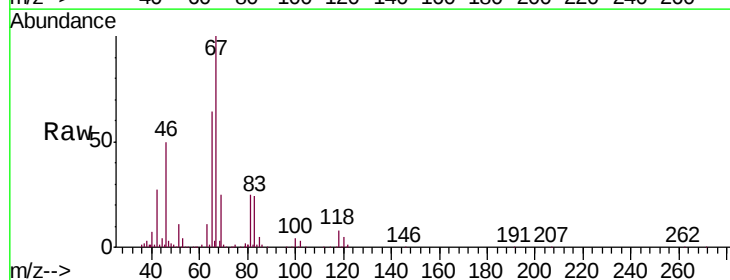
Acq: 19 Nov 2019 16:21

Tgt Ion: 63 Resp: 16405

Ion Ratio Lower Upper

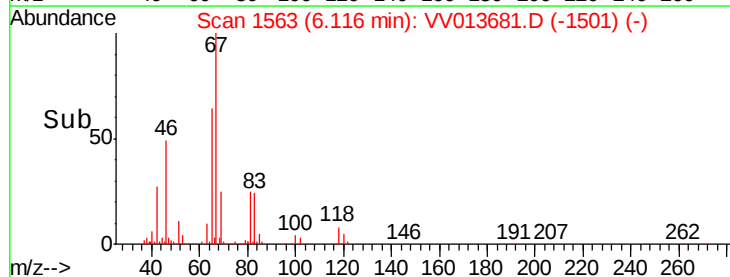
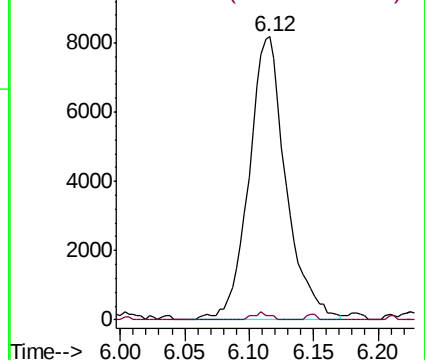
63 100

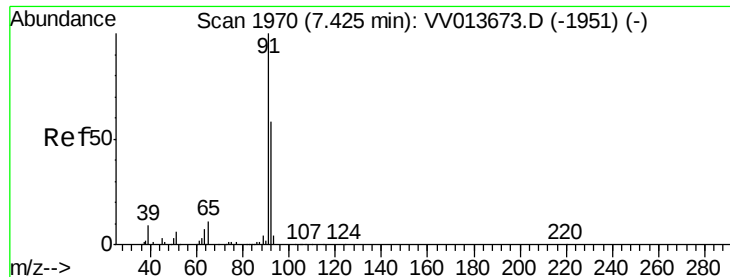
112 1.1 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV013673.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV013673.D (-1574) (-)





#42

Toluene

Concen: 0.321 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV013681.D

Acq: 19 Nov 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

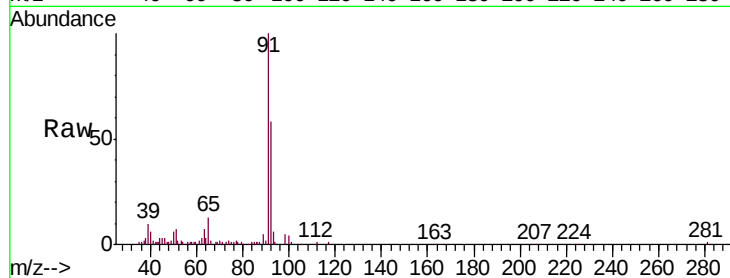
VIBLK

Tgt Ion: 91 Resp: 38316

Ion Ratio Lower Upper

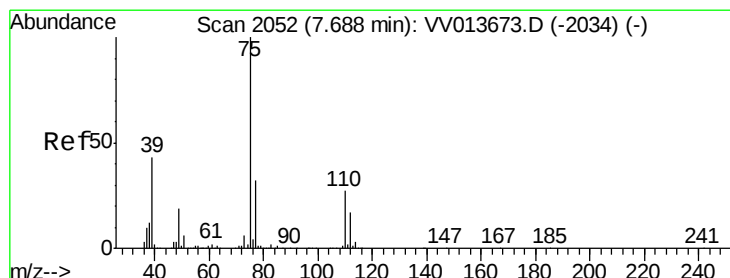
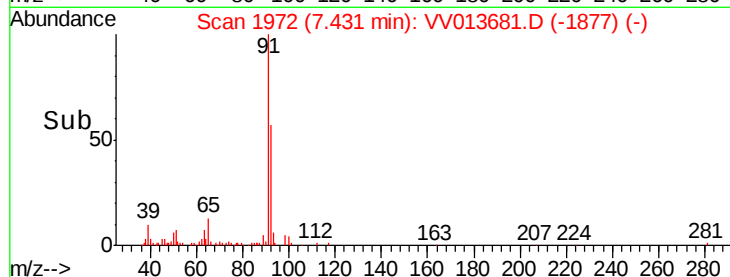
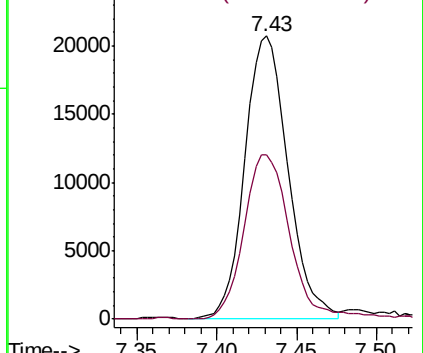
91 100

92 58.0 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013681.D

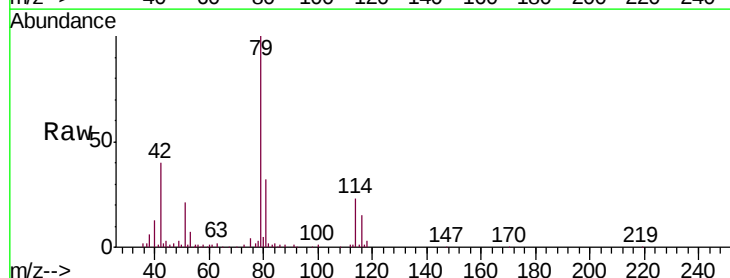
Acq: 19 Nov 2019 16:21

Tgt Ion: 75 Resp: 2455

Ion Ratio Lower Upper

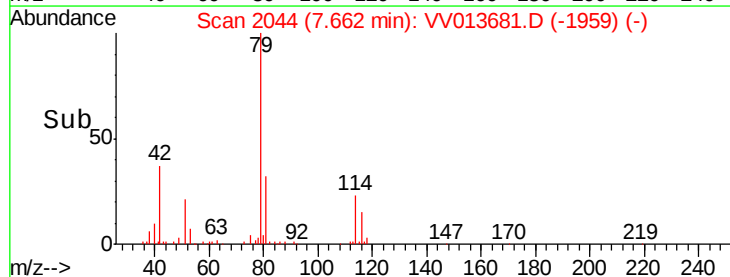
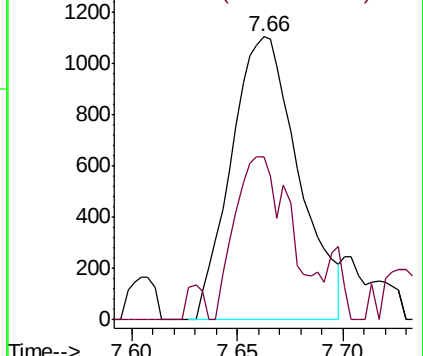
75 100

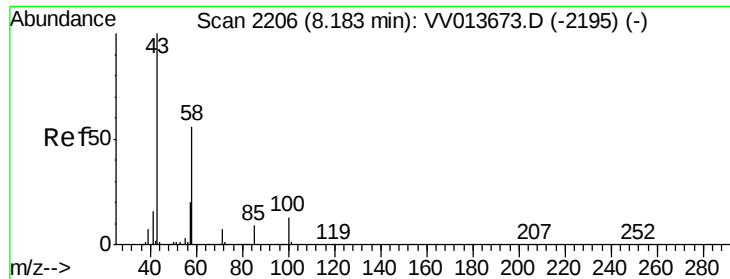
77 57.4 21.6 40.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

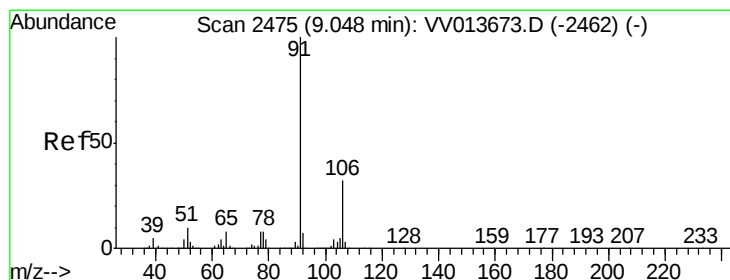
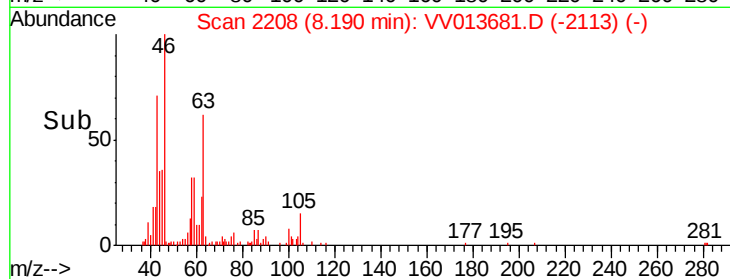
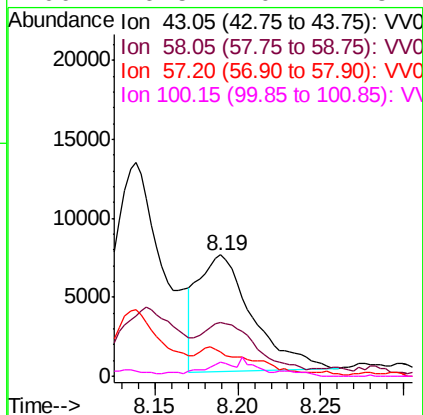
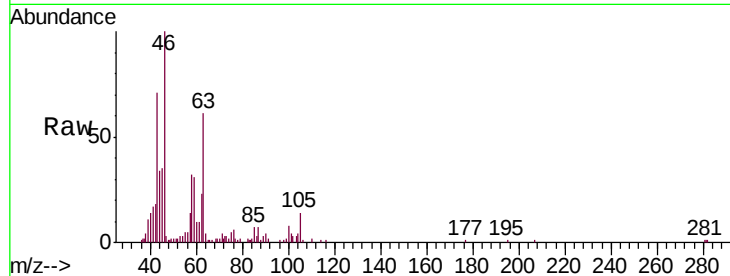




#48
2-Hexanone
Concen: 1.518 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013681.D
Acq: 19 Nov 2019 16:21

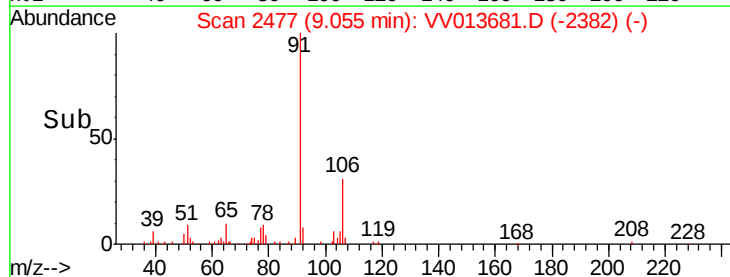
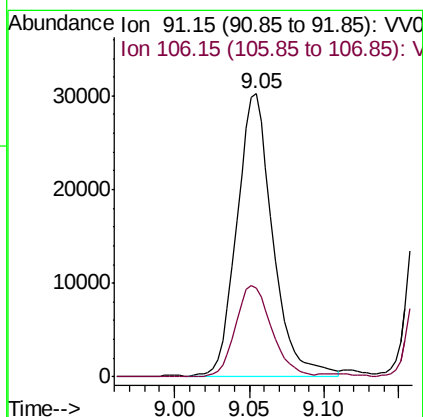
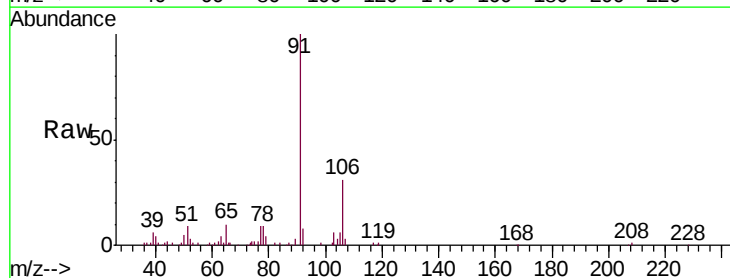
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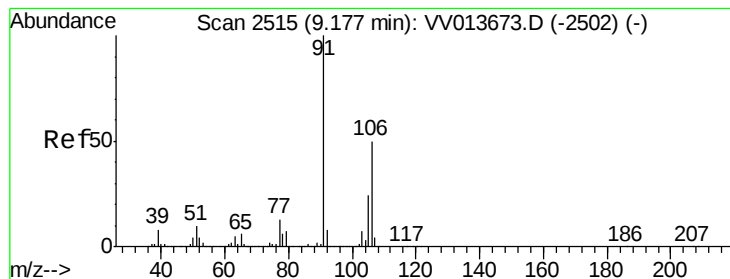
Tgt Ion:	43	Resp:	16761
Ion	Ratio	Lower	Upper
43	100		
58	47.1	43.0	64.6
57	19.6	15.4	23.2
100	6.5	10.1	15.1#



#52
Ethylbenzene
Concen: 0.398 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.01 min
Lab File: VV013681.D
Acq: 19 Nov 2019 16:21

Tgt Ion:	91	Resp:	50620
Ion	Ratio	Lower	Upper
91	100		
106	31.4	21.7	40.3





#53

m,p-xylene

Concen: 1.428 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013681.D

Acq: 19 Nov 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

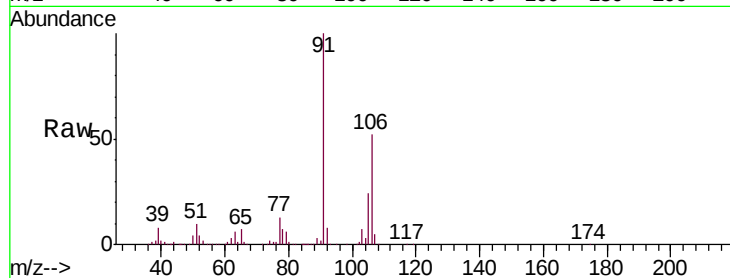
VIBLK

Tgt Ion:106 Resp: 68529

Ion Ratio Lower Upper

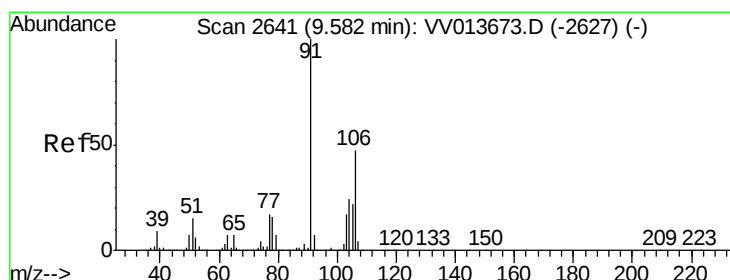
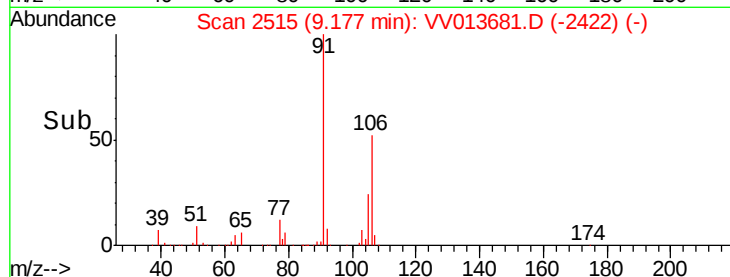
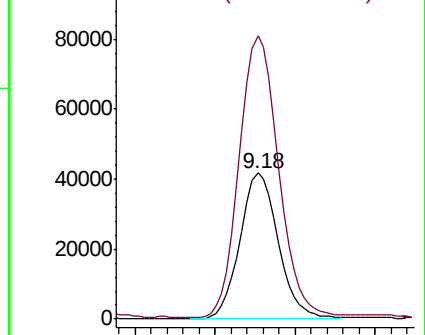
106 100

91 193.8 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.286 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013681.D

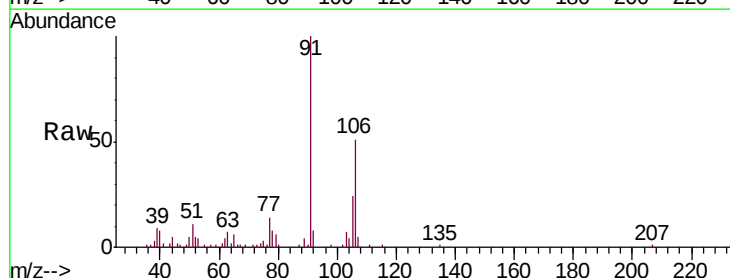
Acq: 19 Nov 2019 16:21

Tgt Ion:106 Resp: 13216

Ion Ratio Lower Upper

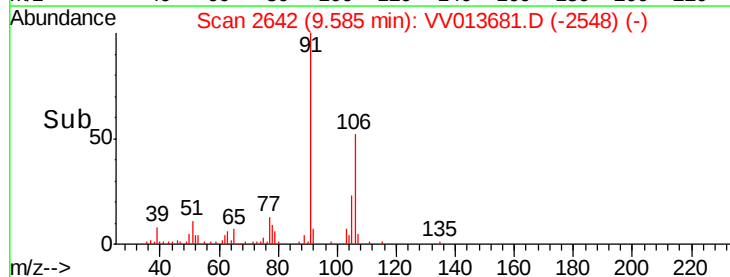
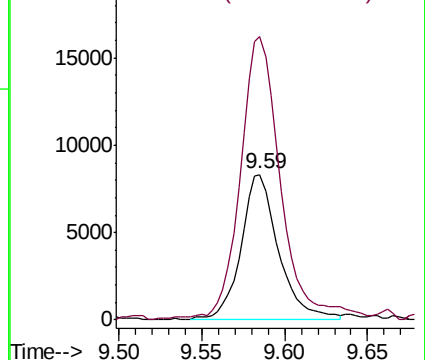
106 100

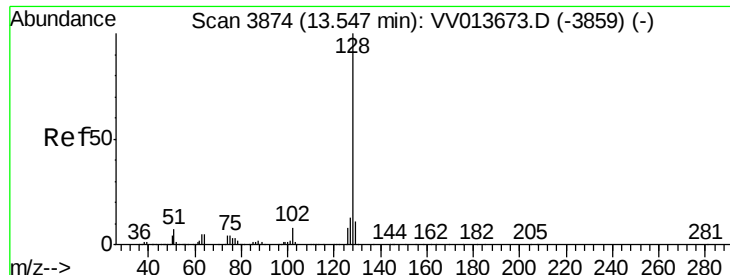
91 194.6 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#69

Naphthalene

Concen: 1.191 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

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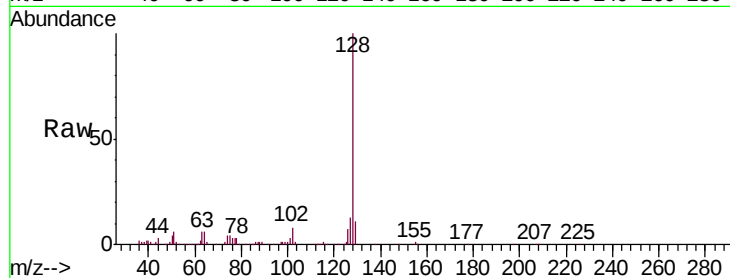
Tgt Ion:128 Resp: 68374

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

127 14.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

