

Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ6

Quant Time: Sep 26 07:03:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	435672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	409109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	189567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	185168	41.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.04%
7) Chloroethane-d5	1.67	69	164848	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.64%
11) 1,1-Dichloroethene-d2	2.26	63	255207	33.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.58%
21) 2-Butanone-d5	4.15	46	418620	122.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.46%
24) Chloroform-d	4.62	84	328397	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.30%
26) 1,2-Dichloroethane-d4	5.29	65	224997	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.40%
32) Benzene-d6	5.32	84	673686	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
36) 1,2-Dichloropropane-d6	6.31	67	245728	55.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.88%
41) Toluene-d8	7.54	98	660330	54.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.48%
43) trans-1,3-Dichloropropene-	7.83	79	104866	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.80%
47) 2-Hexanone-d5	8.29	63	290058	130.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.30%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	335343	54.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.06%
64) 1,2-Dichlorobenzene-d4	11.84	152	234920	59.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.20%

Target Compounds

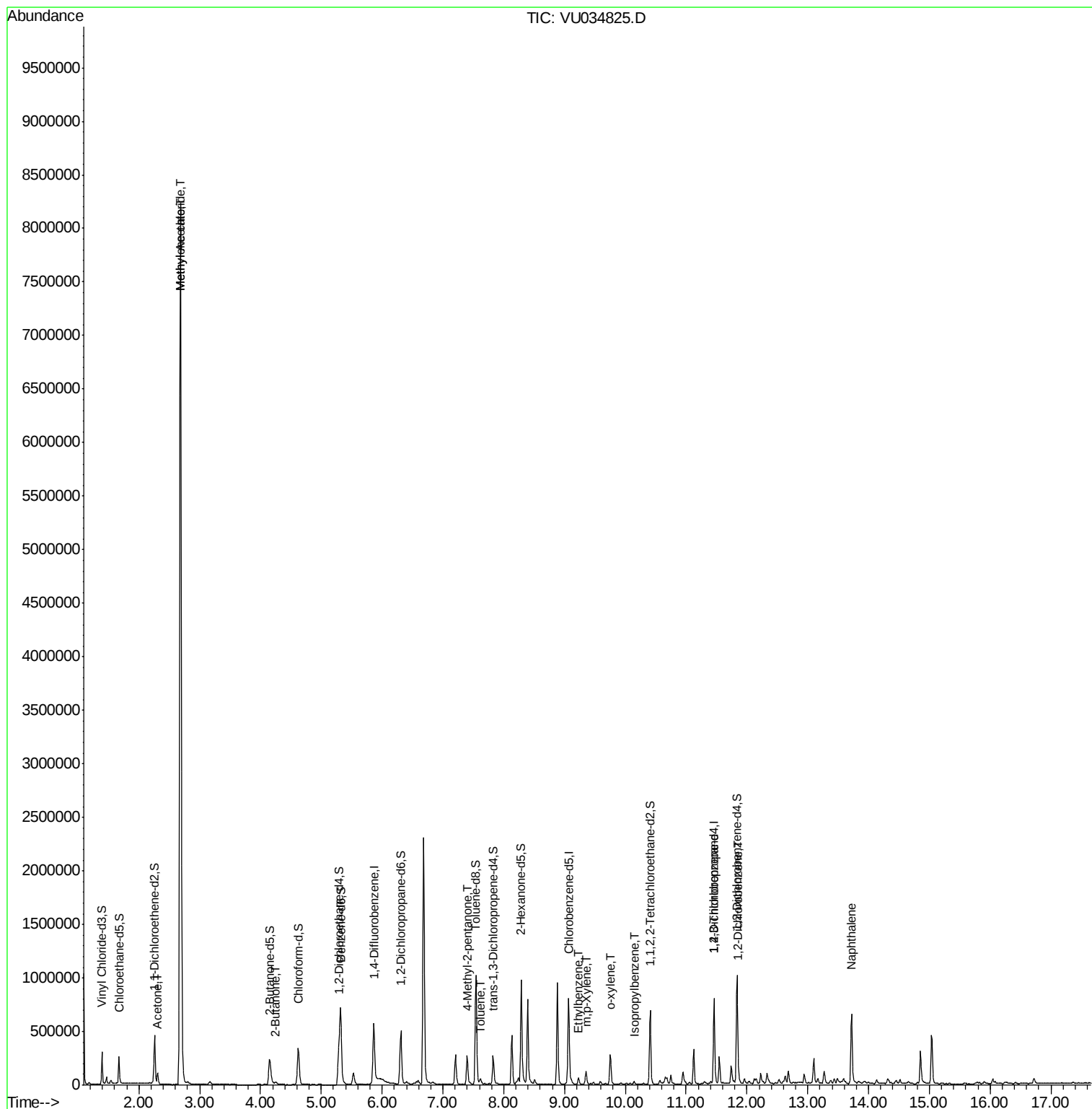
					Qvalue
13) Acetone	2.31	43	108259	27.226 ug/L	95
15) Methyl Acetate	2.68	43	17518	3.298 ug/L	97
16) Methylene chloride	2.68	84	3286724	910.273 ug/L	96
22) 2-Butanone	4.25	43	36532	7.723 ug/L	91
40) 4-Methyl-2-pentanone	7.40	43	112310	13.924 ug/L #	59
42) Toluene	7.62	91	37051	2.416 ug/L	94
52) Ethylbenzene	9.23	91	43098	2.496 ug/L	94
53) m,p-Xylene	9.35	106	32264	5.275 ug/L	93
54) o-xylene	9.76	106	51325	8.484 ug/L	98
56) Isopropylbenzene	10.14	105	17983	1.102 ug/L	95
59) 1,2,3-Trichloropropane	11.46	75	30718	5.821 ug/L	94
65) 1,2-Dichlorobenzene	11.86	146	21274	3.207 ug/L	98
69) Naphthalene	13.72	128	506165	42.271 ug/L	99

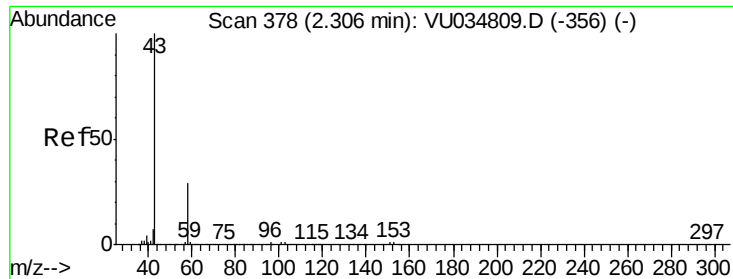
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ6

Quant Time: Sep 26 07:03:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration





#13

Acetone

Concen: 27.226 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034825.D

Acq: 26 Sep 2019 00:15

Instrument :

MSVOA_U

ClientSampleId :

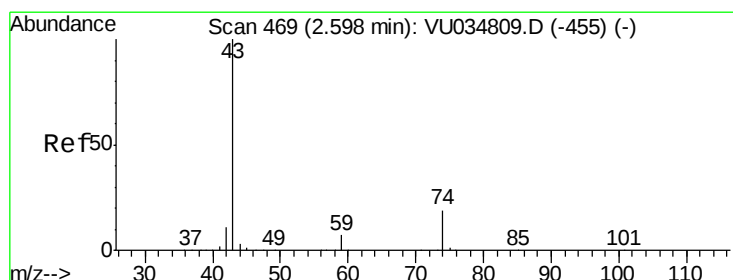
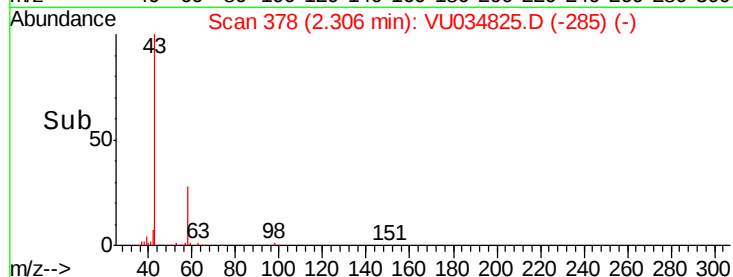
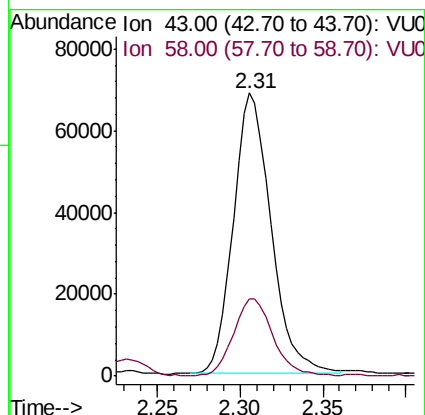
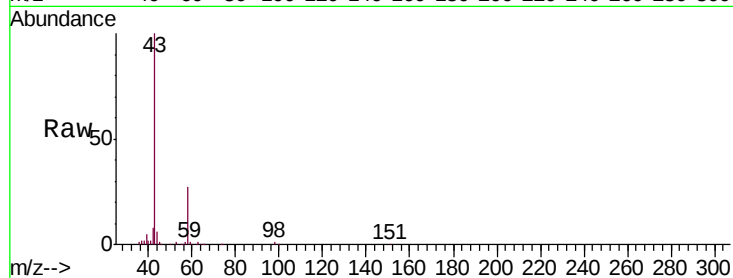
BFDJ6

Tgt Ion: 43 Resp: 108259

Ion Ratio Lower Upper

43 100

58 29.3 0.0 53.4



#15

Methyl Acetate

Concen: 3.298 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.08 min

Lab File: VU034825.D

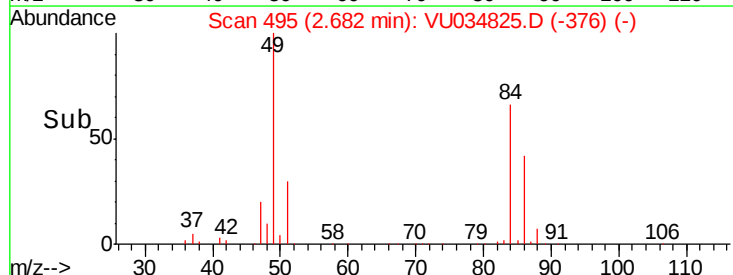
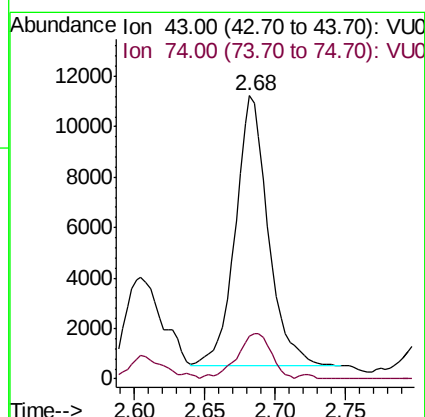
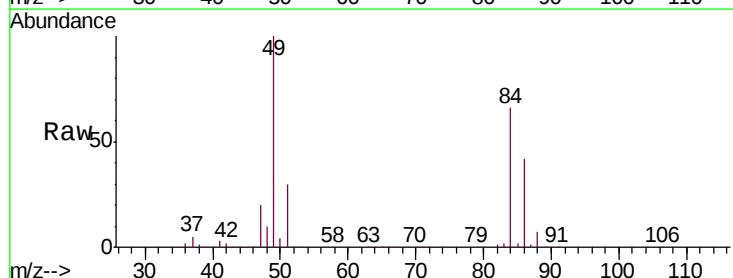
Acq: 26 Sep 2019 00:15

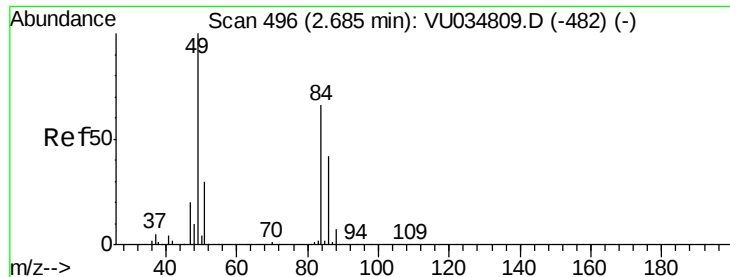
Tgt Ion: 43 Resp: 17518

Ion Ratio Lower Upper

43 100

74 16.9 14.4 21.6

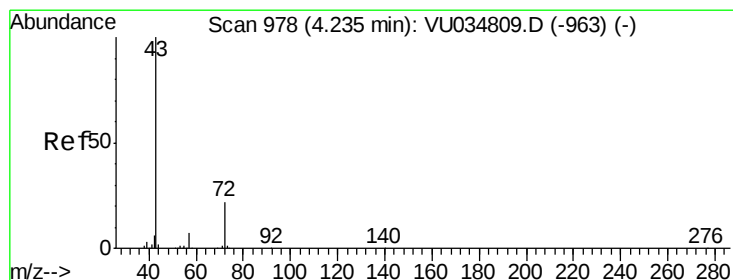
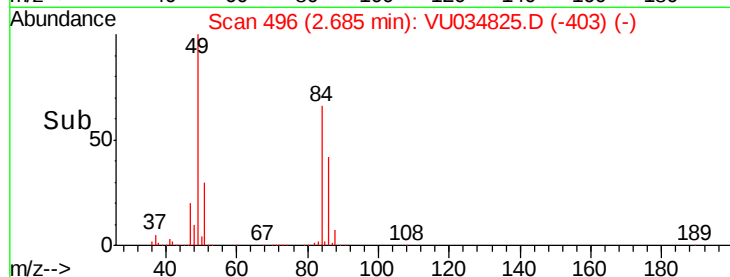
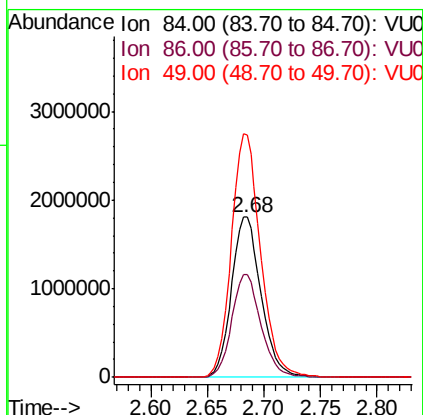
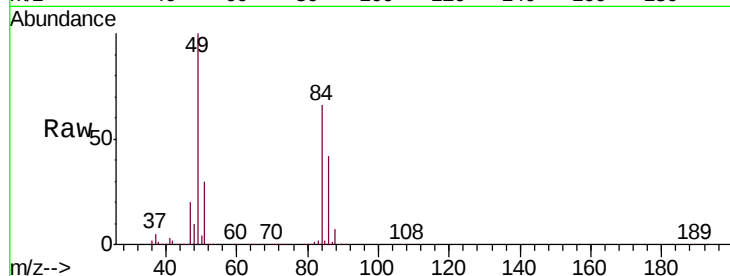




#16
Methylene chloride
Concen: 910.273 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034825.D
Acq: 26 Sep 2019 00:15

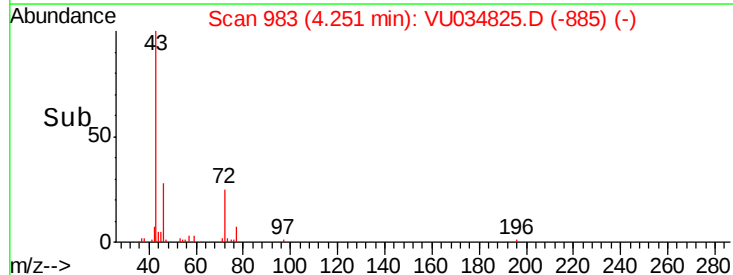
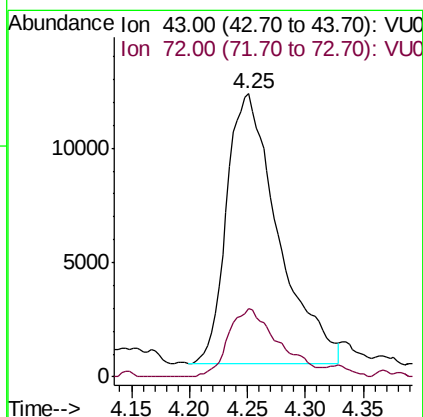
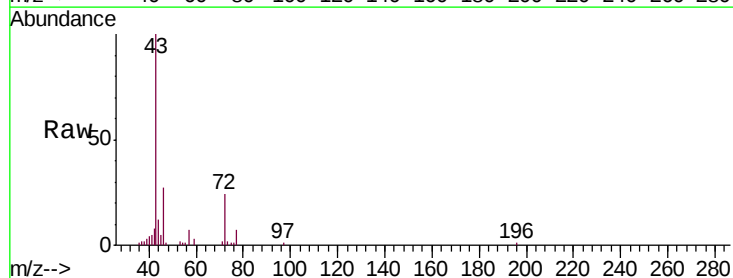
Instrument :
MSVOA_U
ClientSampled :
BFDJ6

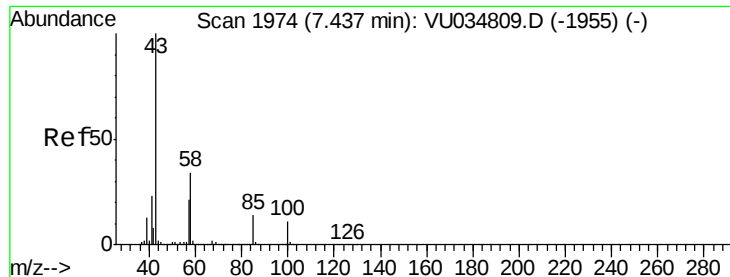
Tgt Ion: 84 Resp: 3286724
Ion Ratio Lower Upper
84 100
86 64.2 43.0 80.0
49 151.3 109.7 203.7



#22
2-Butanone
Concen: 7.723 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.02 min
Lab File: VU034825.D
Acq: 26 Sep 2019 00:15

Tgt Ion: 43 Resp: 36532
Ion Ratio Lower Upper
43 100
72 24.7 10.2 30.6

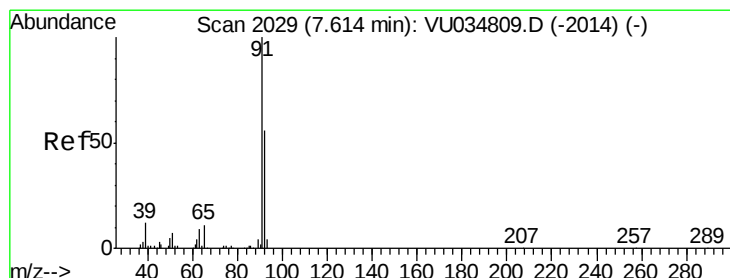
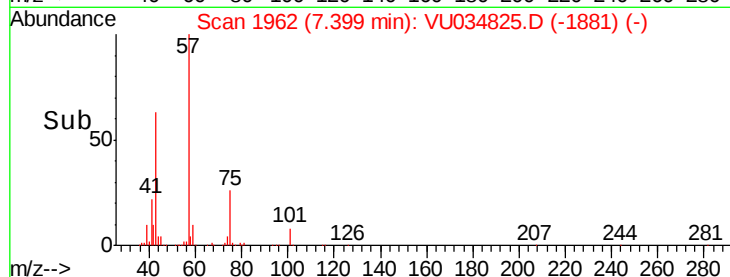
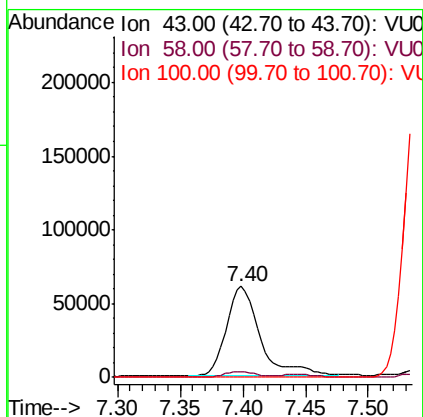
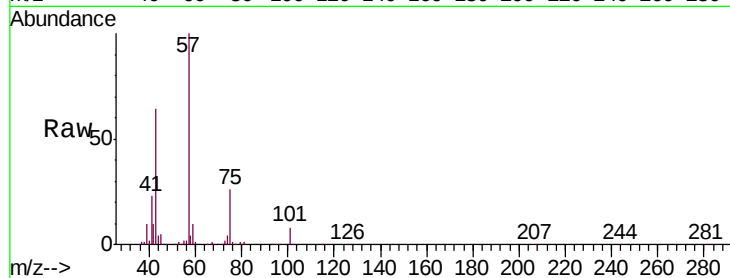




#40
 4-Methyl-2-pentanone
 Concen: 13.924 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034825.D
 Acq: 26 Sep 2019 00:15

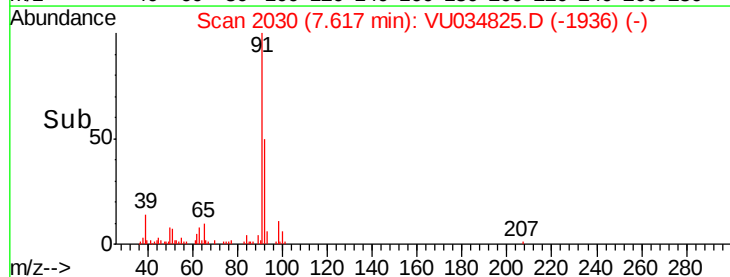
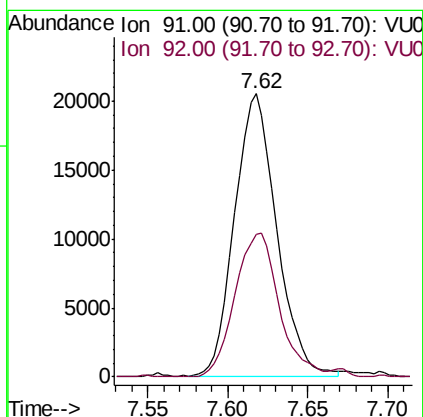
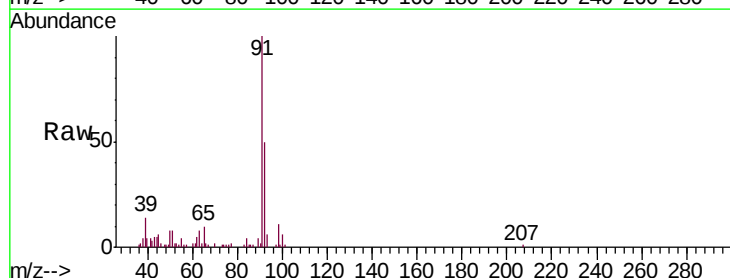
Instrument :
 MSVOA_U
 ClientSampled :
 BFDJ6

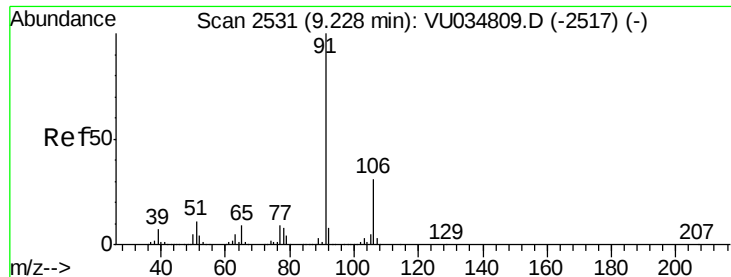
Tgt Ion: 43 Resp: 112310
 Ion Ratio Lower Upper
 43 100
 58 6.0 25.2 37.8#
 100 0.0 7.7 11.5#



#42
 Toluene
 Concen: 2.416 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034825.D
 Acq: 26 Sep 2019 00:15

Tgt Ion: 91 Resp: 37051
 Ion Ratio Lower Upper
 91 100
 92 50.4 38.2 71.0





#52

Ethylbenzene

Concen: 2.496 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034825.D

Acq: 26 Sep 2019 00:15

Instrument :

MSVOA_U

ClientSampleId :

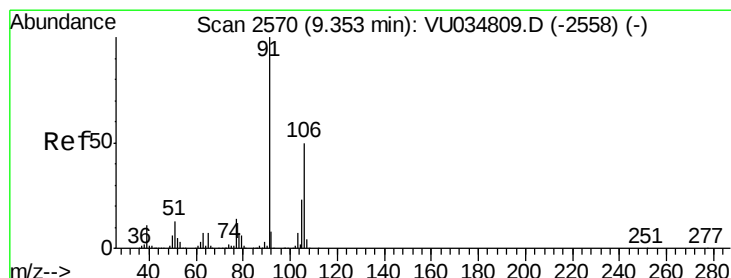
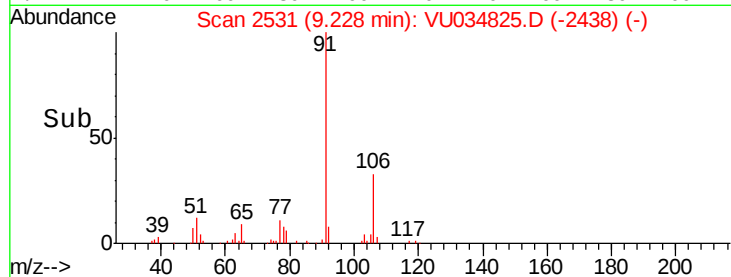
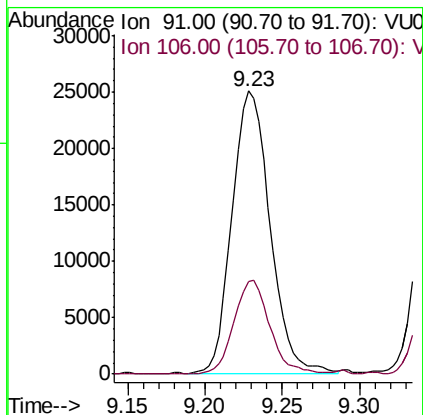
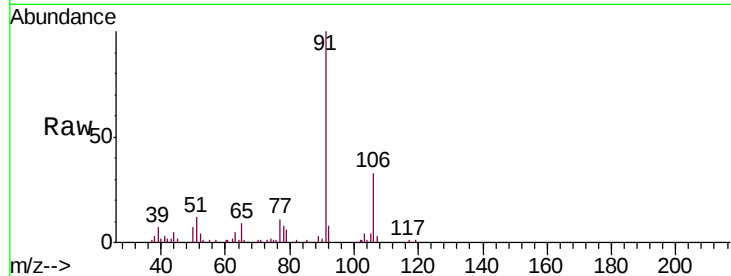
BFDJ6

Tgt Ion: 91 Resp: 43098

Ion Ratio Lower Upper

91 100

106 32.7 20.6 38.4



#53

m,p-Xylene

Concen: 5.275 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034825.D

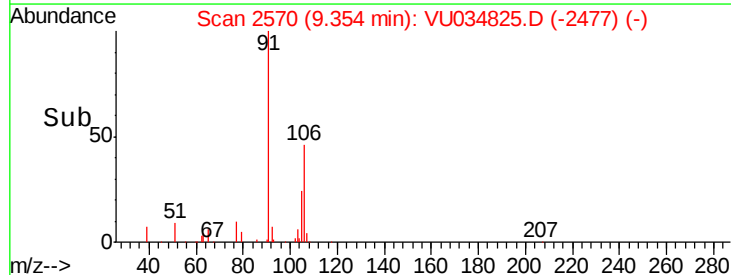
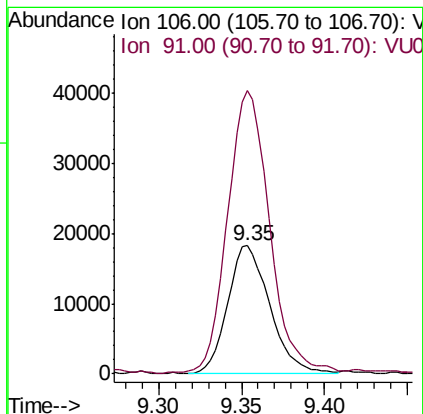
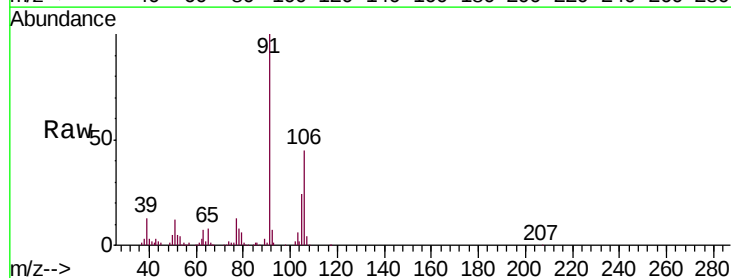
Acq: 26 Sep 2019 00:15

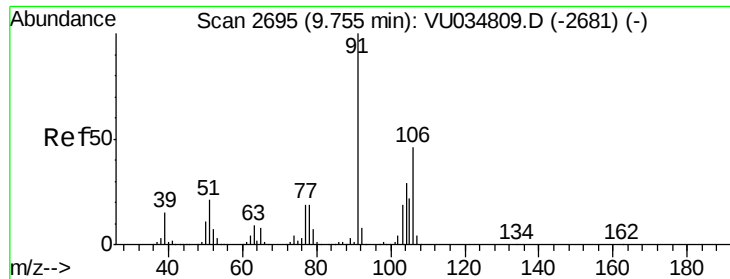
Tgt Ion: 106 Resp: 32264

Ion Ratio Lower Upper

106 100

91 220.7 146.9 272.7





#54

o-xylene

Concen: 8.484 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034825.D

Acq: 26 Sep 2019 00:15

Instrument :

MSVOA_U

ClientSampleId :

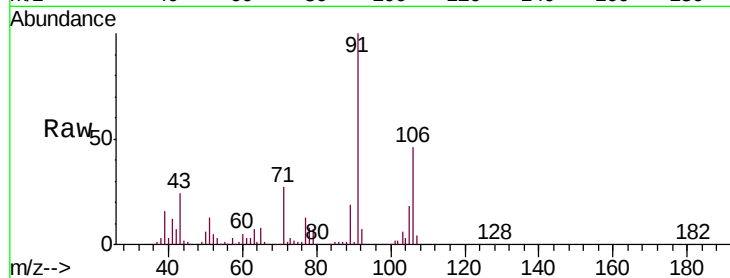
BFDJ6

Tgt Ion:106 Resp: 51325

Ion Ratio Lower Upper

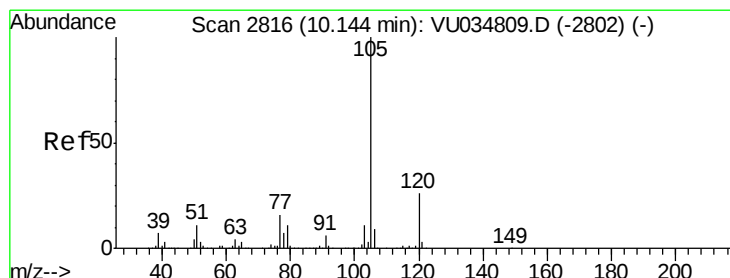
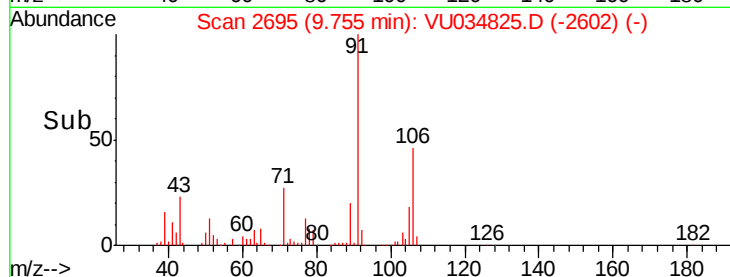
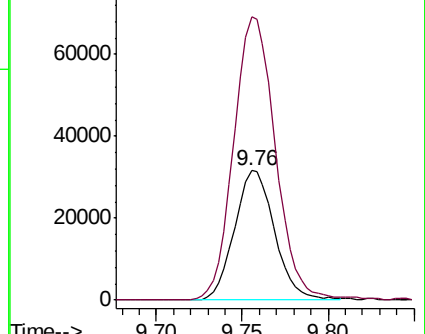
106 100

91 218.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.102 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034825.D

Acq: 26 Sep 2019 00:15

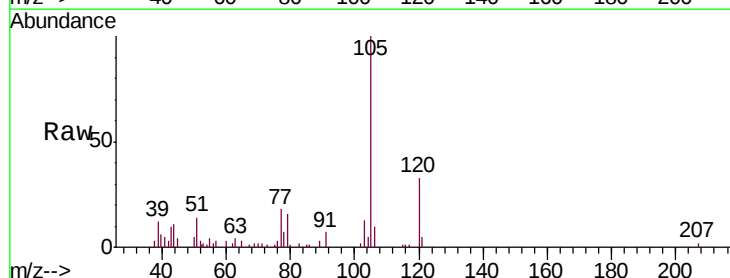
Tgt Ion:105 Resp: 17983

Ion Ratio Lower Upper

105 100

120 29.6 20.4 30.6

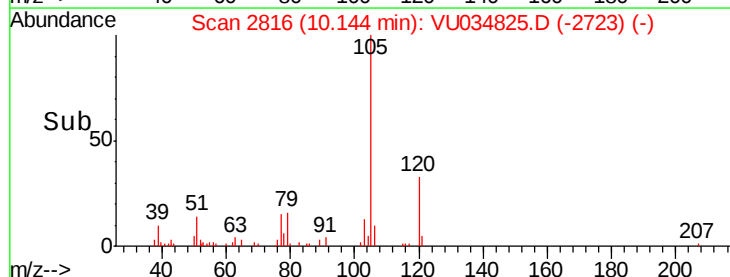
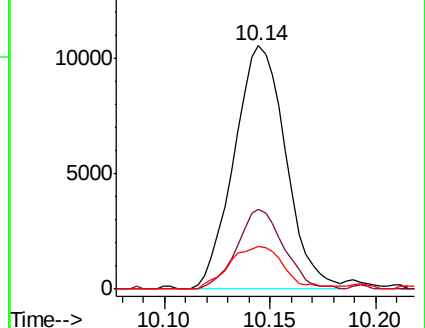
77 17.8 14.2 21.4

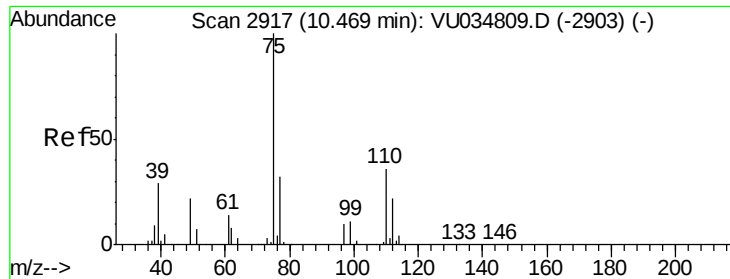


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

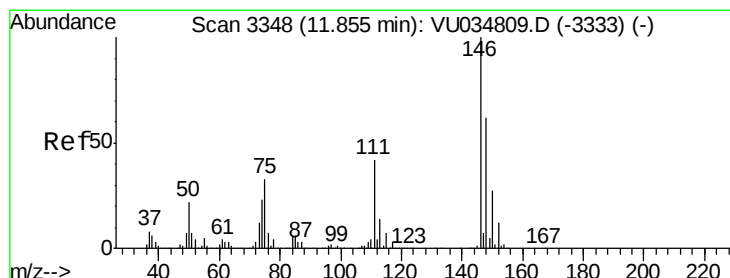
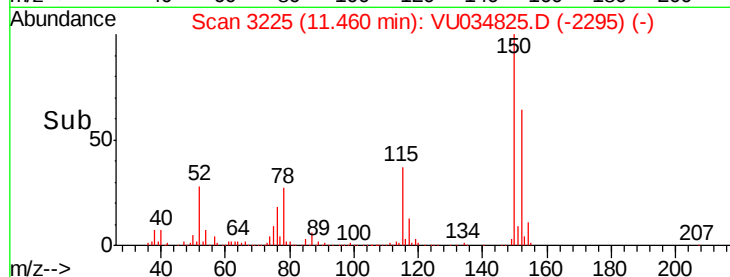
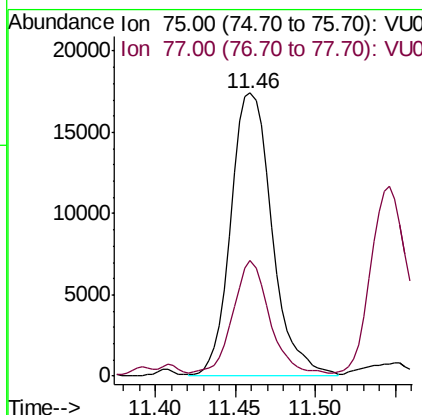
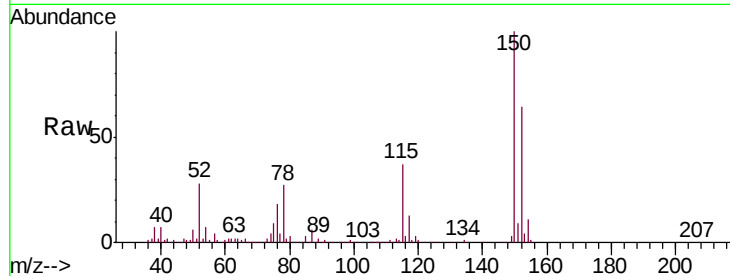




#59
 1,2,3-Trichloropropane
 Concen: 5.821 ug/L
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.99 min
 Lab File: VU034825.D
 Acq: 26 Sep 2019 00:15

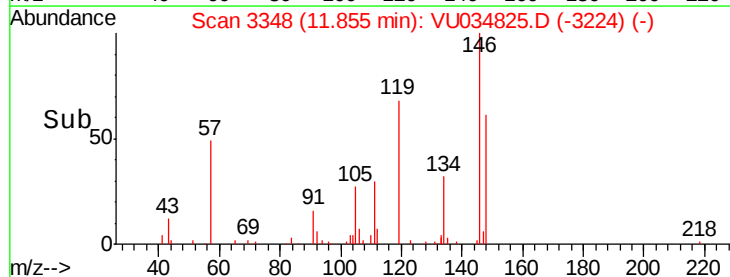
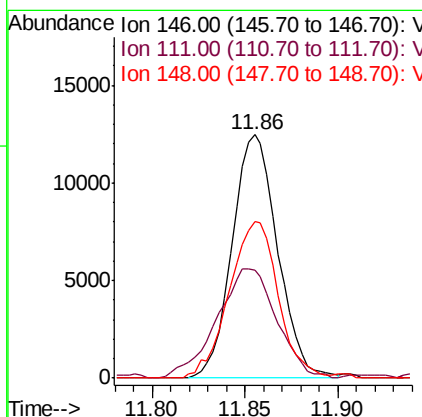
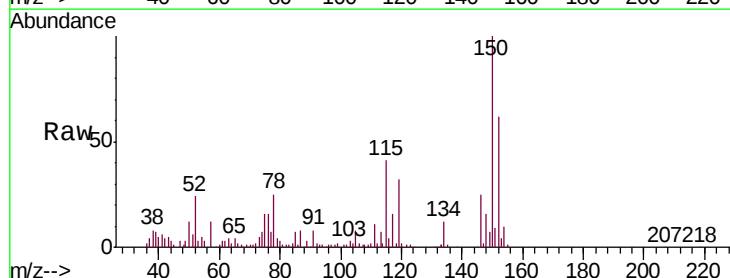
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ6

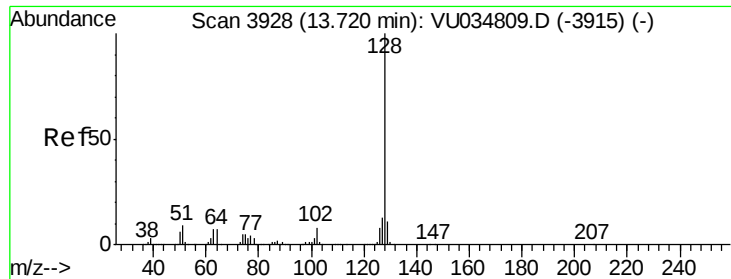
Tgt Ion: 75 Resp: 30718
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.6 37.0



#65
 1,2-Dichlorobenzene
 Concen: 3.207 ug/L
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034825.D
 Acq: 26 Sep 2019 00:15

Tgt Ion: 146 Resp: 21274
 Ion Ratio Lower Upper
 146 100
 111 44.4 35.2 52.8
 148 64.0 53.0 79.6





#69

Naphthalene

Concen: 42.271 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034825.D

Acq: 26 Sep 2019 00:15

Instrument :

MSVOA_U

ClientSampleId :

BFDJ6

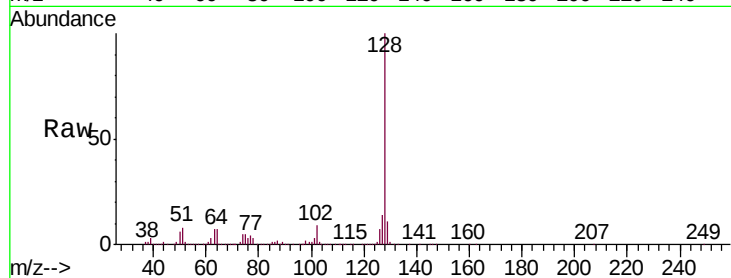
Tgt Ion:128 Resp: 506165

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 11.3 8.6 12.8



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

