

Data File : VV013430.D
Acq On : 30 Oct 2019 13:50
Operator : SY/MD
Sample : K5597-21DL 20X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQF0DL

Quant Time: Oct 31 02:45:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	350826	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	380217	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	191419	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	136608	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.58	69	119199	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.13	63	175825	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	3.96	46	405242	53.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.78%
24) Chloroform-d	4.40	84	299074	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.08	65	160169	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.10	84	602030	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.12	67	192134	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.36	98	511704	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.66	79	66135	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.14	63	243215	49.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	131209	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	200324	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

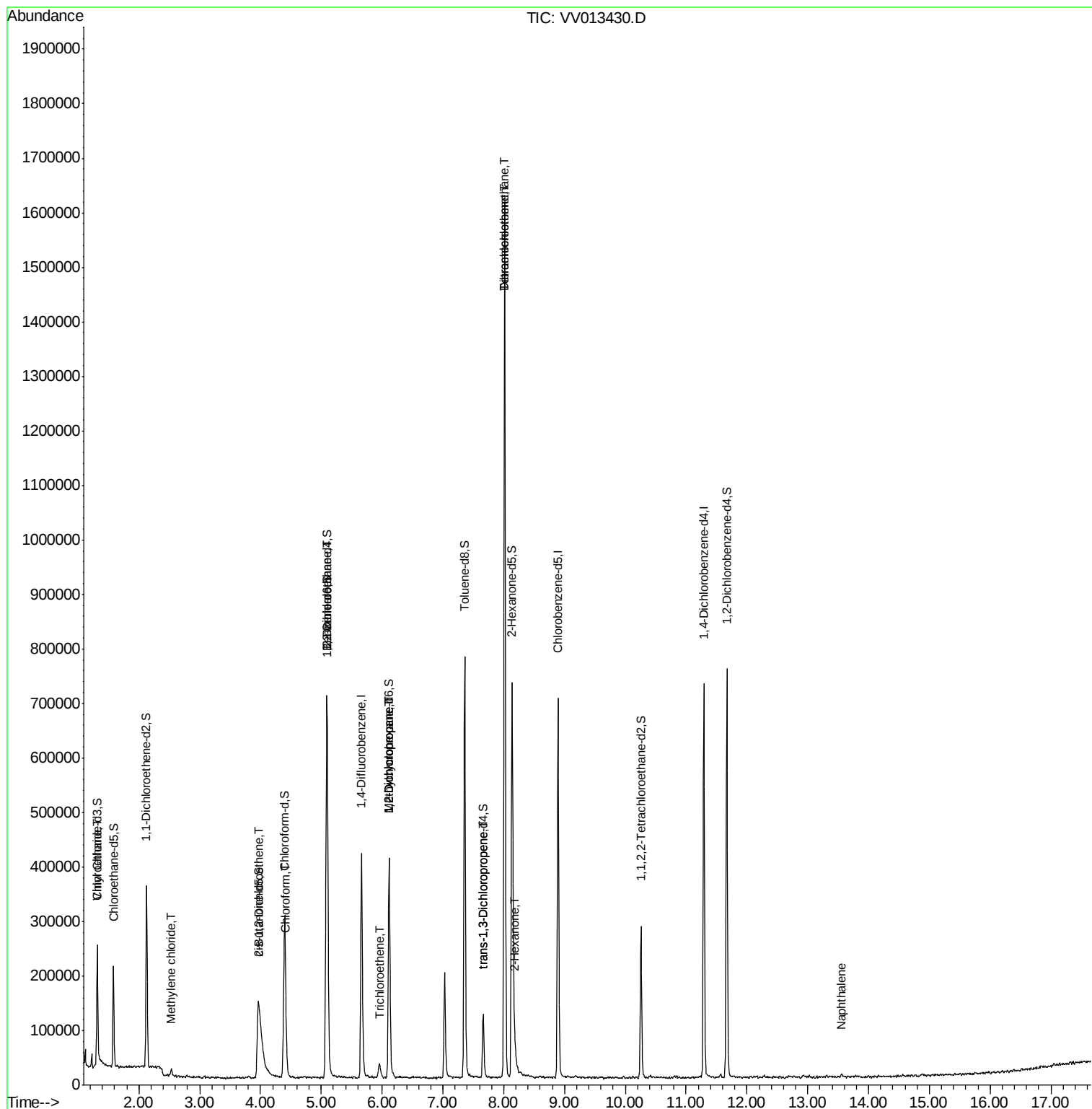
					Qvalue
8) Chloroethane	1.32	64	2634	0.120 ug/L	95
16) Methylene chloride	2.54	84	5289	0.136 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	4181	0.116 ug/L #	96
25) Chloroform	4.42	83	14478	0.208 ug/L	93
27) 1,2-Dichloroethane	5.10	62	3207	0.084 ug/L	97
34) Trichloroethene	5.96	95	7123	0.183 ug/L	95
35) Methylcyclohexane	6.12	83	45714	0.786 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	21616	0.602 ug/L #	89
44) trans-1,3-Dichloropropene	7.67	75	3128	0.082 ug/L	89
47) Tetrachloroethene	8.02	164	374307	11.327 ug/L	98
48) 2-Hexanone	8.18	43	21123	1.477 ug/L #	79
49) Dibromochloromethane	8.02	129	318950	10.782 ug/L #	11
69) Naphthalene	13.55	128	5064	0.092 ug/L #	81

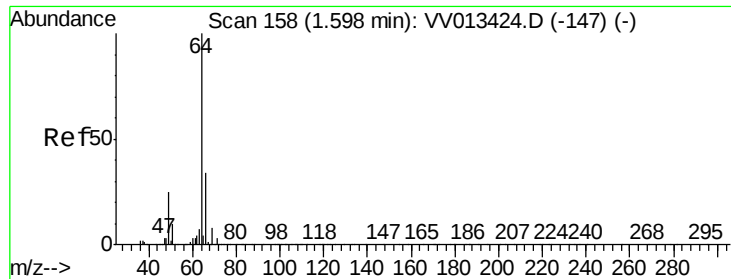
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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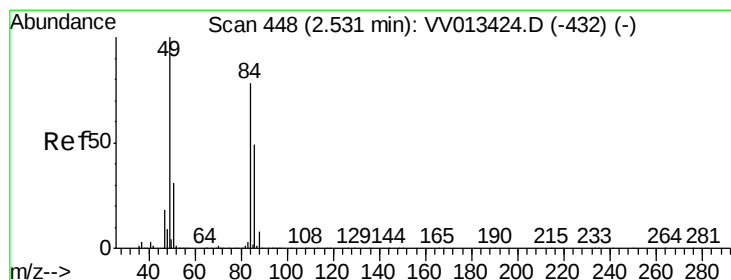
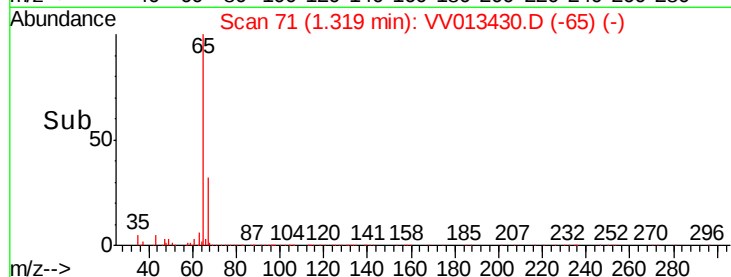
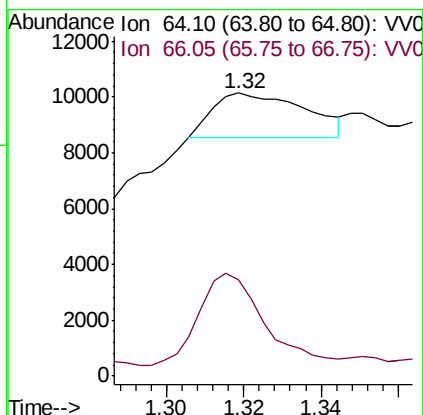
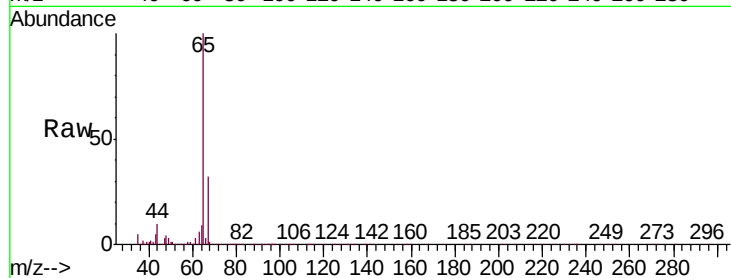




#8
Chloroethane
Concen: 0.120 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.28 min
Lab File: VV013430.D
Acq: 30 Oct 2019 13:50

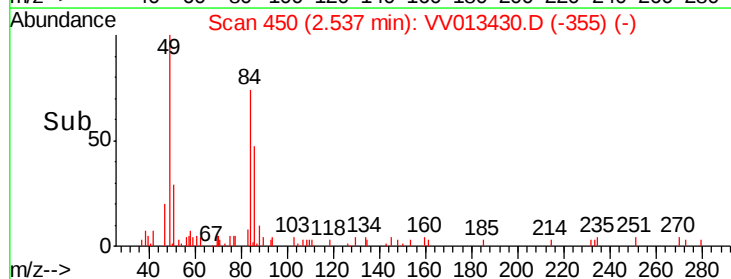
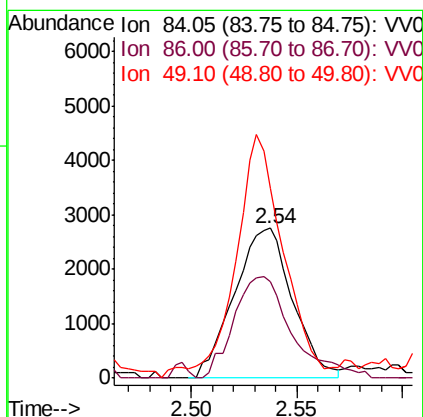
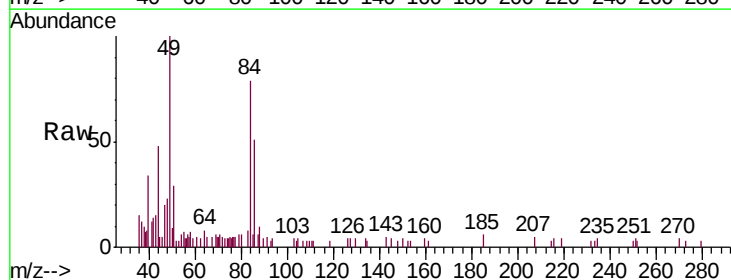
Instrument :
MSVOA_V
ClientSampleId :
GAQF0DL

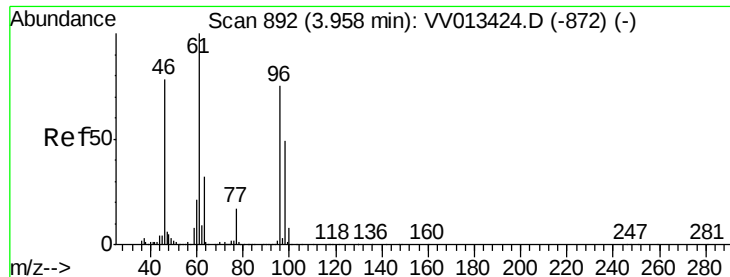
Tgt Ion: 64 Resp: 2634
Ion Ratio Lower Upper
64 100
66 34.1 22.0 41.0



#16
Methylene chloride
Concen: 0.136 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV013430.D
Acq: 30 Oct 2019 13:50

Tgt Ion: 84 Resp: 5289
Ion Ratio Lower Upper
84 100
86 64.3 43.8 81.4
49 126.6 90.4 168.0





#22

cis-1,2-Dichloroethene

Concen: 0.116 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV013430.D

Acq: 30 Oct 2019 13:50

Instrument :

MSVOA_V

ClientSampleId :

GAQF0DL

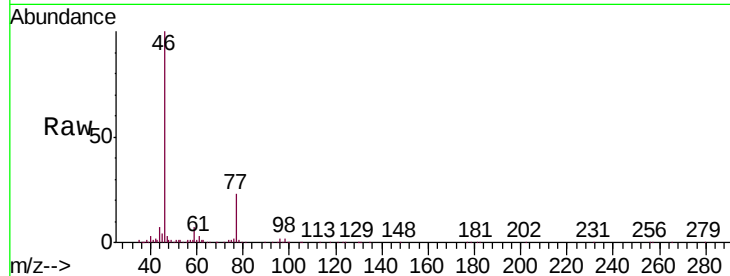
Tgt Ion: 96 Resp: 4181

Ion Ratio Lower Upper

96 100

61 124.2 89.9 167.0

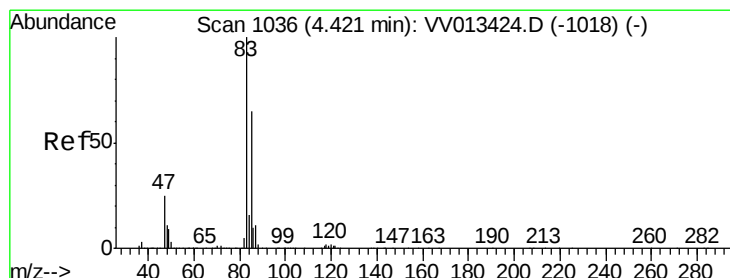
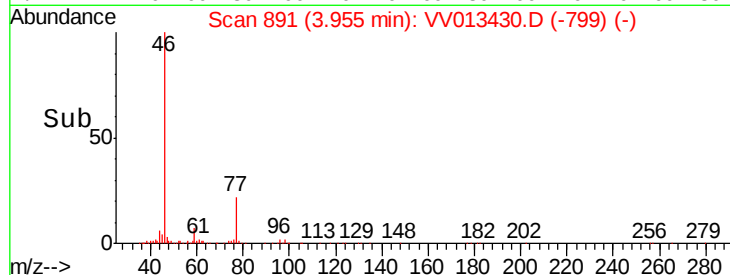
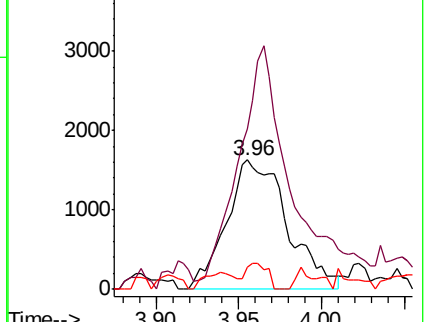
68 17.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV013430.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV013430.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV013430.D (-799) (-)



#25

Chloroform

Concen: 0.208 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013430.D

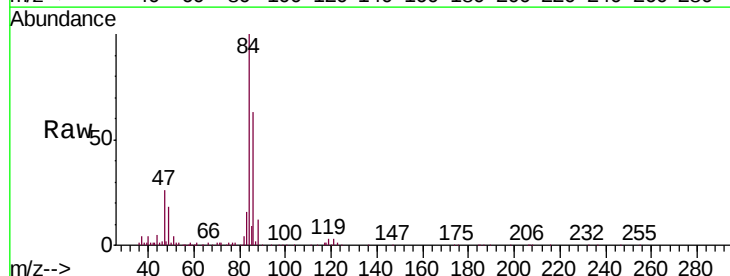
Acq: 30 Oct 2019 13:50

Tgt Ion: 83 Resp: 14478

Ion Ratio Lower Upper

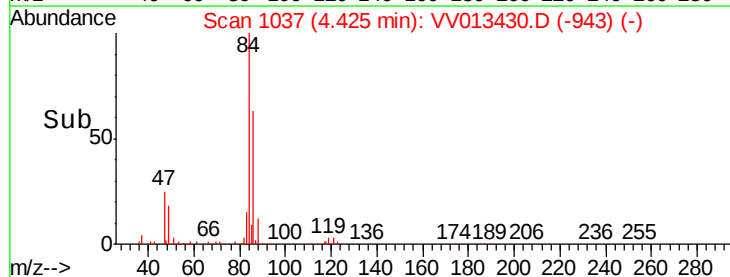
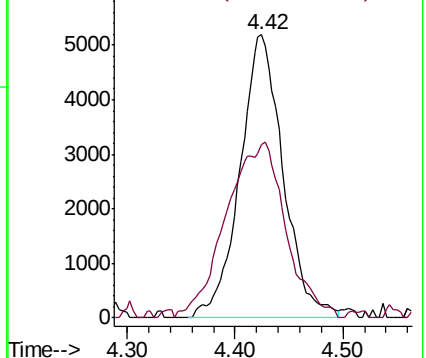
83 100

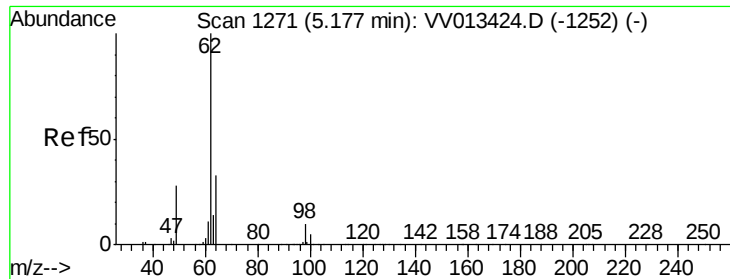
85 61.1 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VV013430.D (-943) (-)

Ion 85.00 (84.70 to 85.70): VV013430.D (-943) (-)





#27

1,2-Dichloroethane

Concen: 0.084 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV013430.D

Acq: 30 Oct 2019 13:50

Instrument :

MSVOA_V

ClientSampleId :

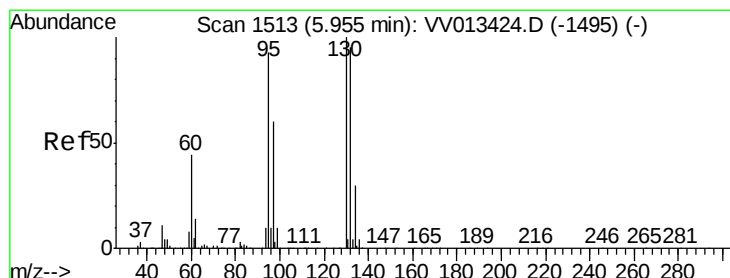
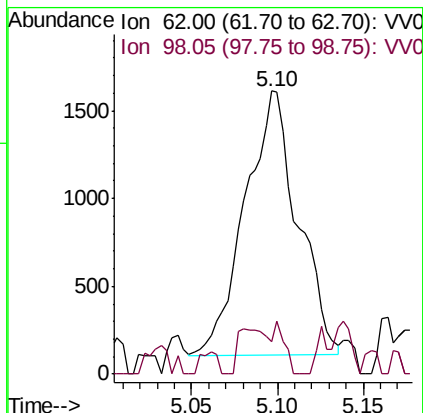
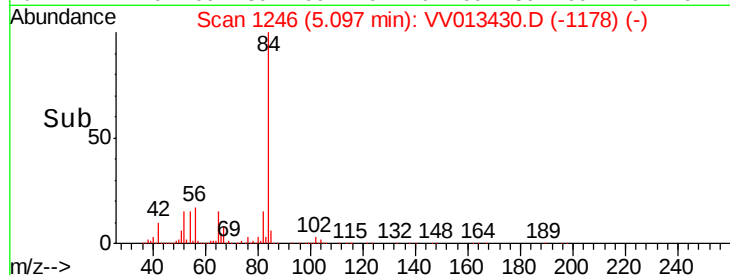
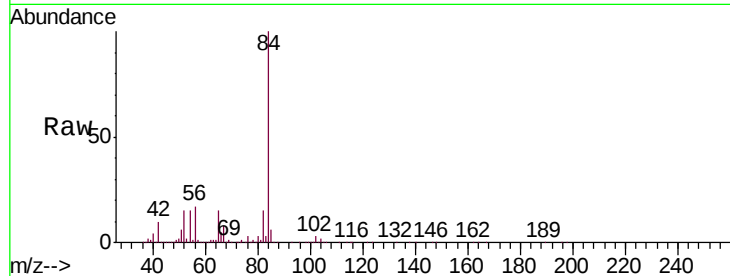
GAQF0DL

Tgt Ion: 62 Resp: 3207

Ion Ratio Lower Upper

62 100

98 11.7 8.6 12.8



#34

Trichloroethene

Concen: 0.183 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV013430.D

Acq: 30 Oct 2019 13:50

Tgt Ion: 95 Resp: 7123

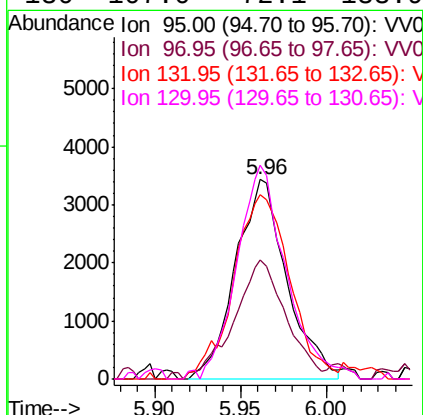
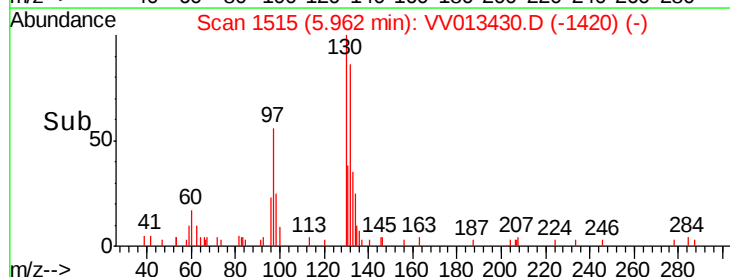
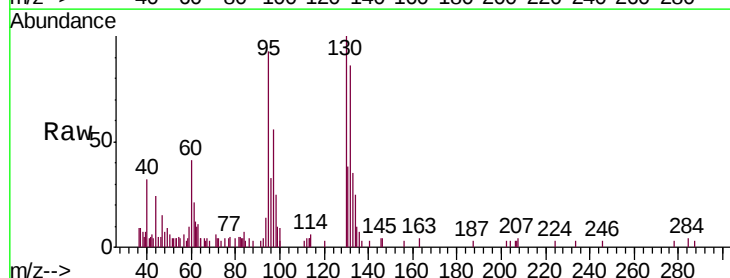
Ion Ratio Lower Upper

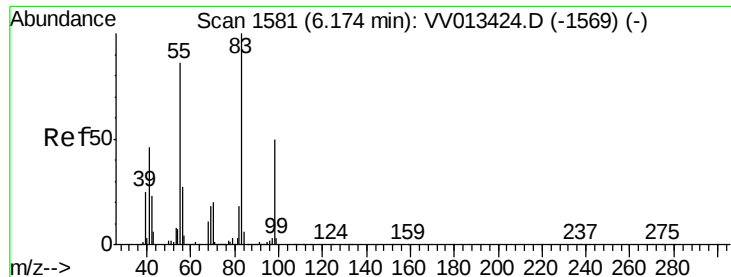
95 100

97 59.5 43.9 81.5

132 92.1 68.7 127.7

130 107.0 72.1 133.9





#35

Methylcyclohexane

Concen: 0.786 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013430.D

Acq: 30 Oct 2019 13:50

Instrument :

MSVOA_V

ClientSampleId :

GAQF0DL

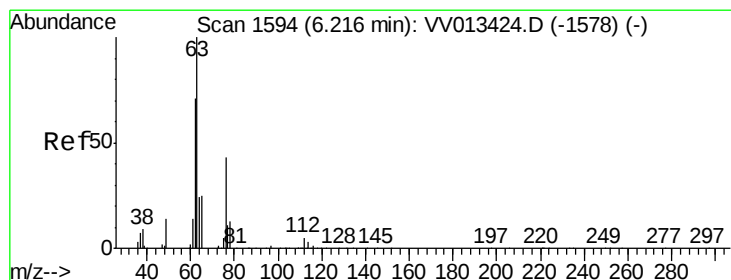
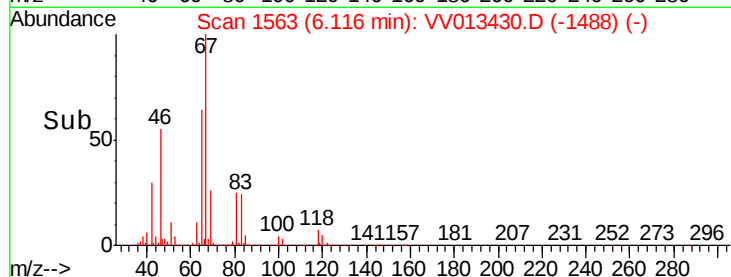
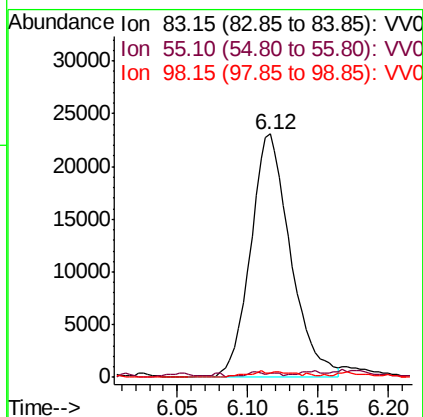
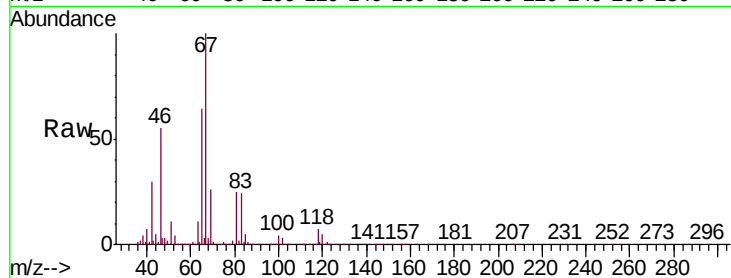
Tgt Ion: 83 Resp: 45714

Ion Ratio Lower Upper

83 100

55 0.3 66.0 99.0#

98 1.4 38.2 57.4#



#37

1,2-Dichloropropane

Concen: 0.602 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013430.D

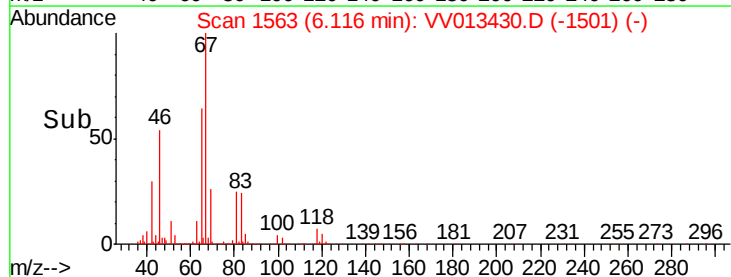
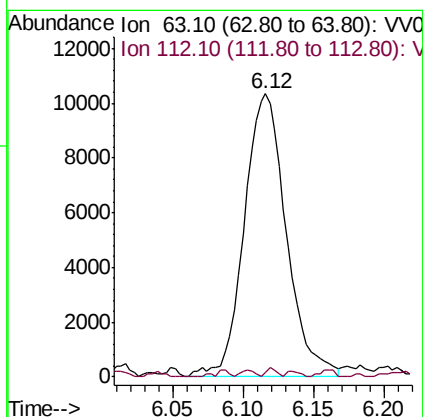
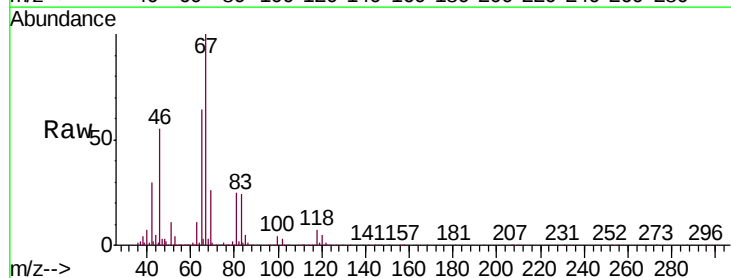
Acq: 30 Oct 2019 13:50

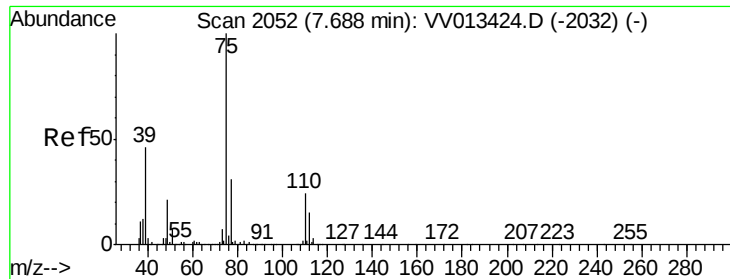
Tgt Ion: 63 Resp: 21616

Ion Ratio Lower Upper

63 100

112 0.7 3.6 5.4#





#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.02 min

Lab File: VV013430.D

Acq: 30 Oct 2019 13:50

Instrument :

MSVOA_V

ClientSampleId :

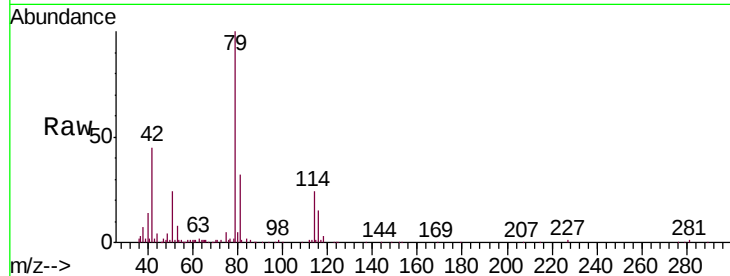
GAQF0DL

Tgt Ion: 75 Resp: 3128

Ion Ratio Lower Upper

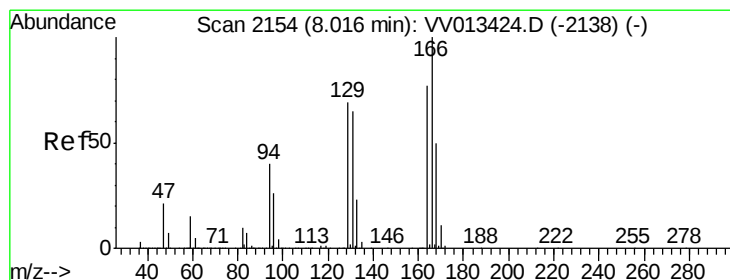
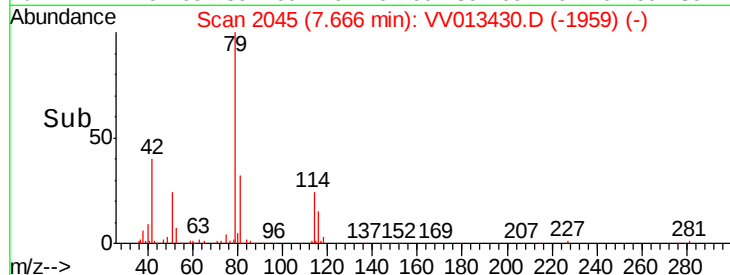
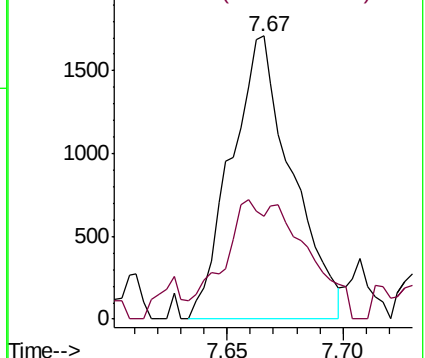
75 100

77 36.5 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 11.327 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013430.D

Acq: 30 Oct 2019 13:50

Tgt Ion: 164 Resp: 374307

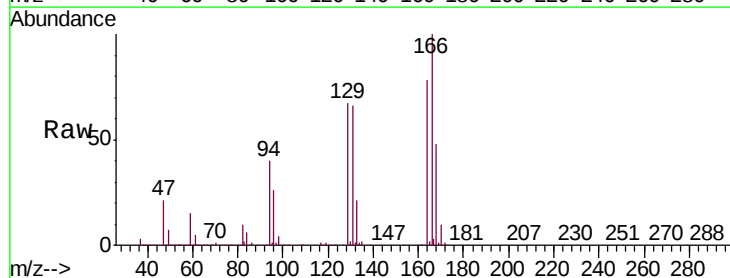
Ion Ratio Lower Upper

164 100

129 86.5 63.4 117.8

131 84.4 60.3 112.1

166 128.2 90.8 168.6

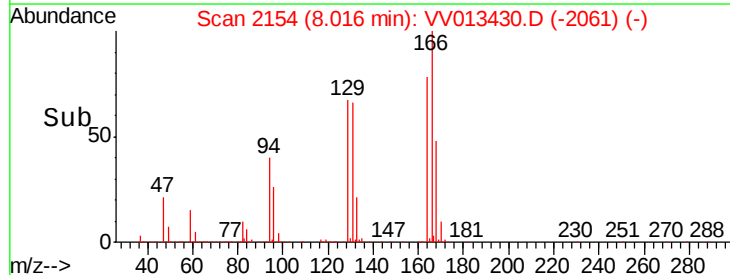
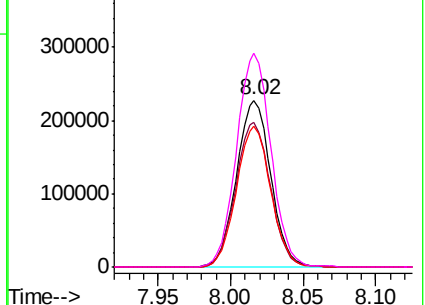


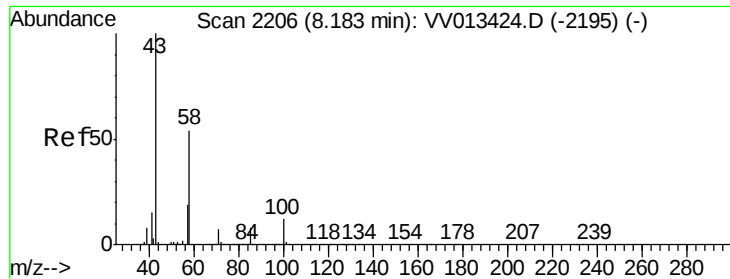
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

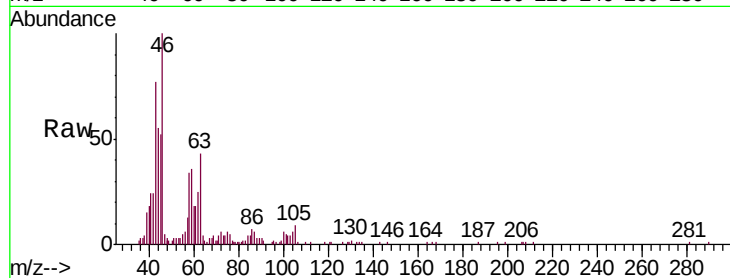




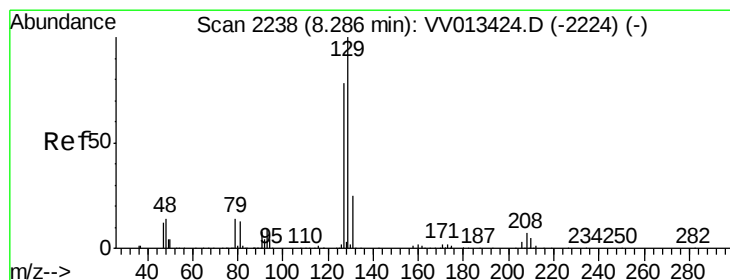
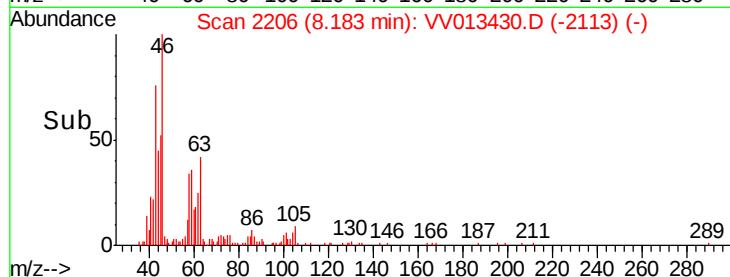
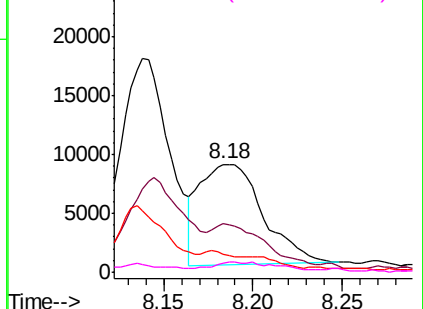
#48
2-Hexanone
Concen: 1.477 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013430.D
Acq: 30 Oct 2019 13:50

Instrument :
MSVOA_V
ClientSampleId :
GAQF0DL

Tgt Ion: 43 Resp: 21123
Ion Ratio Lower Upper
43 100
58 33.9 43.5 65.3#
57 14.0 14.3 21.5#
100 10.7 9.3 13.9

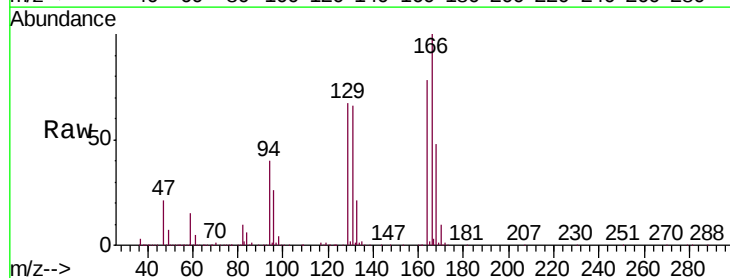


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

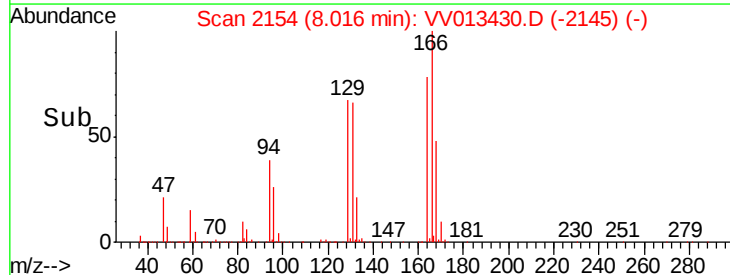
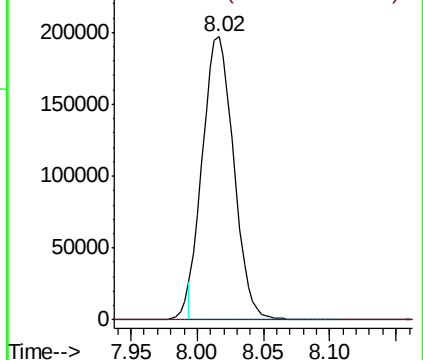


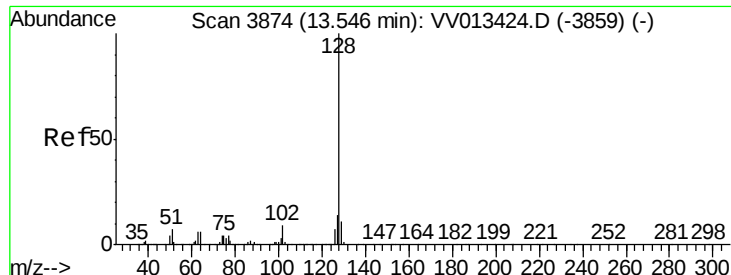
#49
Dibromochloromethane
Concen: 10.782 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013430.D
Acq: 30 Oct 2019 13:50

Tgt Ion: 129 Resp: 318950
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#69

Naphthalene

Concen: 0.092 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013430.D

Acq: 30 Oct 2019 13:50

Instrument :

MSVOA_V

ClientSampleId :

GAQF0DL

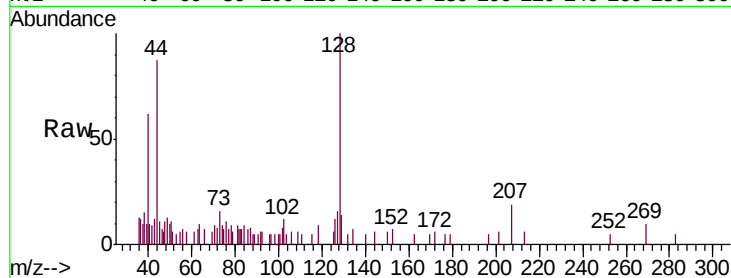
Tgt Ion:128 Resp: 5064

Ion Ratio Lower Upper

128 100

129 5.9 8.7 13.1#

127 3.8 10.6 16.0#



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

