

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061146.D
 Acq On : 18 Mar 2019 15:37
 Operator : VA/AP
 Sample : K1935-01
 Misc : 3.38g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:16:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

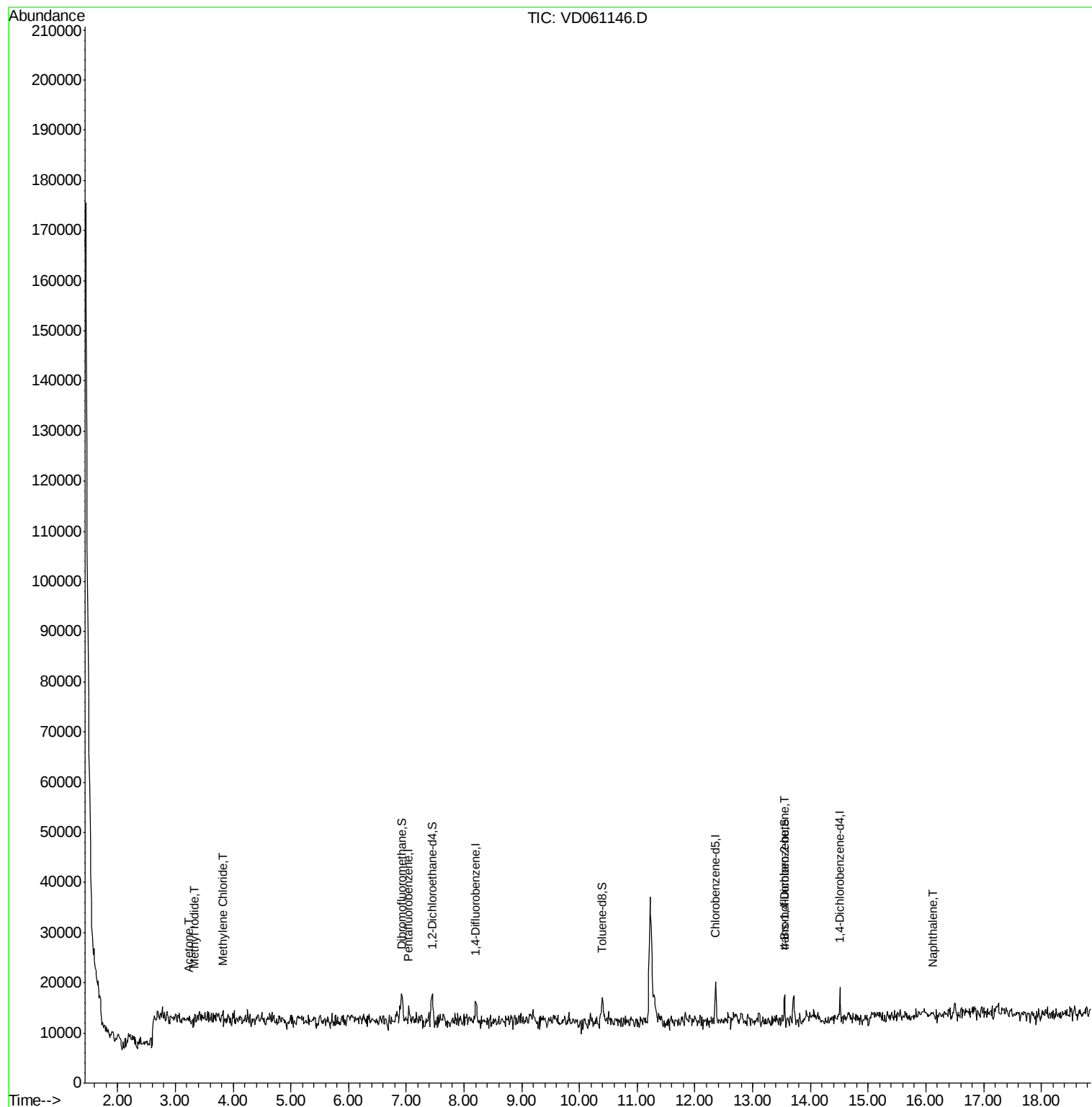
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	2586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	6713	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	6609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	1783	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	6447	299.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	599.02%	
35) Dibromofluoromethane	6.92	113	5553	111.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.92%	
50) Toluene-d8	10.39	98	5951	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
62) 4-Bromofluorobenzene	13.54	95	2210	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.20	94	1011	Below Cal	#	8
10) Methyl Iodide	3.34	142	546	14.719	ug/l #	39
16) Acetone	3.22	43	392	63.684	ug/l #	48
20) Methylene Chloride	3.83	84	1101	38.121	ug/l #	49
81) trans-1,4-Dichloro-2-buten	13.54	75	657	86.874	ug/l #	17
95) Naphthalene	16.12	128	201	5.839	ug/l #	70

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061146.D

Acq: 18 Mar 2019 15:37

Instrument :

MSVOA_D

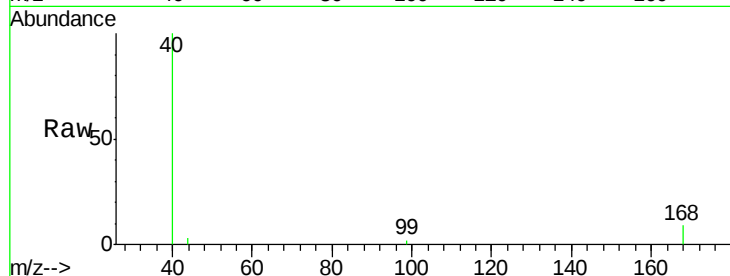
ClientSampleId :

Tot Ion:168 Resp: 2586

Ion Ratio Lower Upper

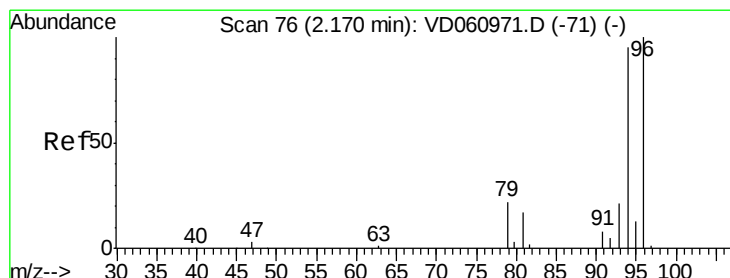
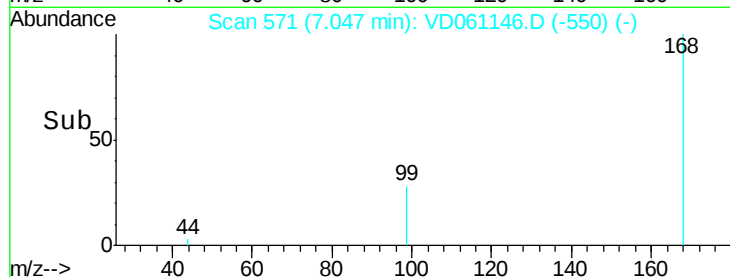
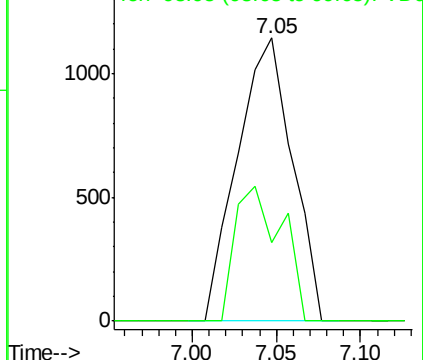
168 100

99 27.8 47.3 70.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.20 min Scan# 79

Delta R.T. 0.03 min

Lab File: VD061146.D

Acq: 18 Mar 2019 15:37

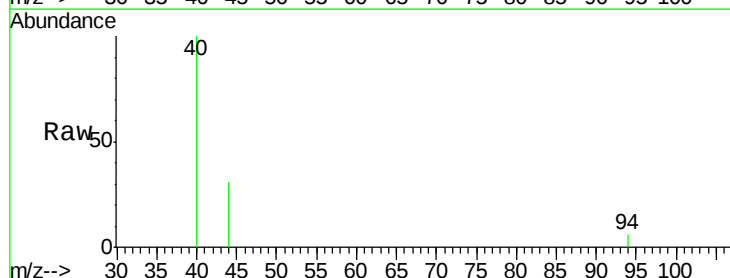
Tgt Ion: 94 Resp: 1011

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

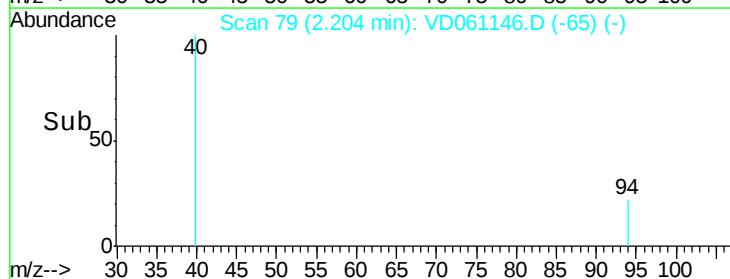
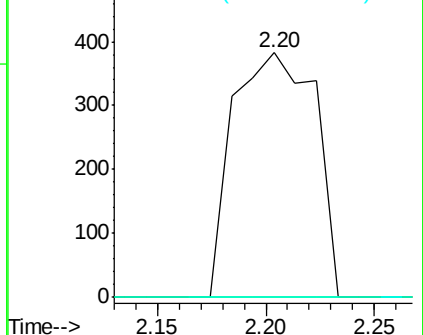
93 0.0 17.3 25.9#

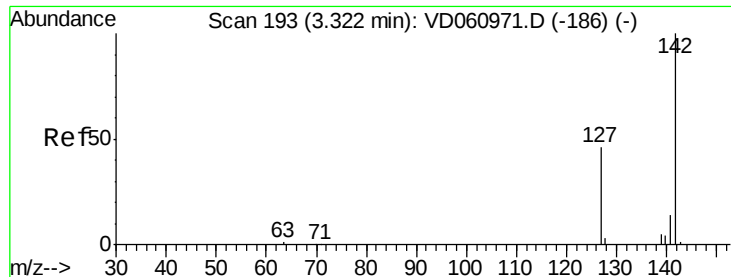


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

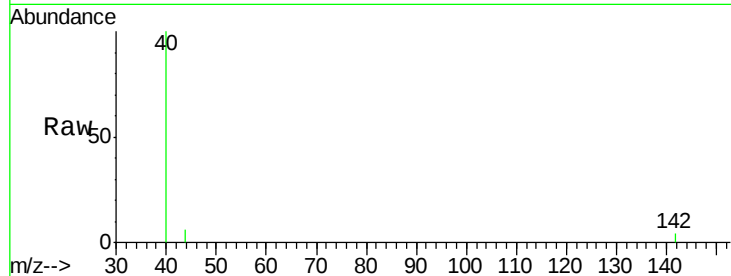




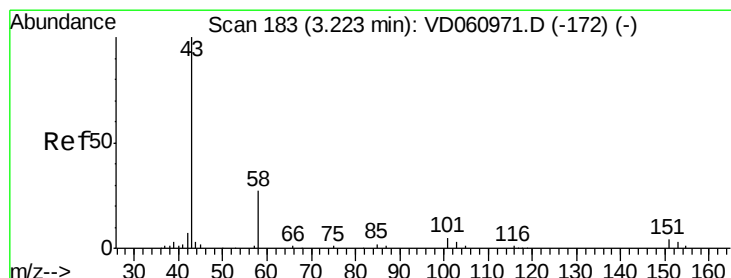
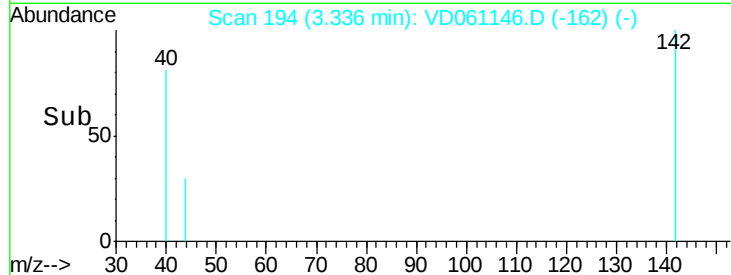
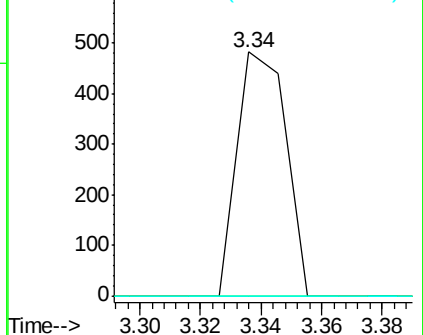
#10
Methvl Iodide
Concen: 14.719 ug/l
RT: 3.34 min Scan# 194
Delta R.T. 0.01 min
Lab File: VD061146.D
Acq: 18 Mar 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 546
Ion Ratio Lower Upper
142 100
127 0.0 36.8 55.2#
141 0.0 11.2 16.8#

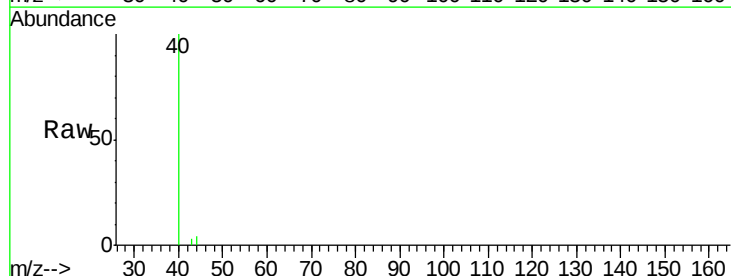


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

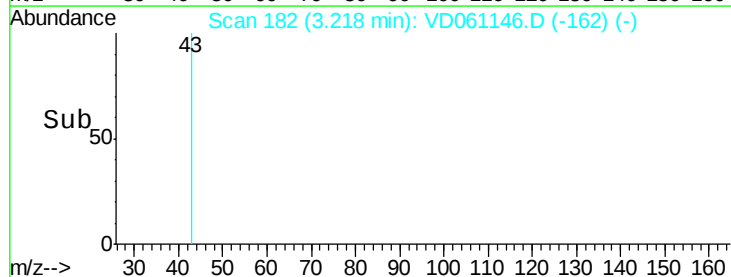
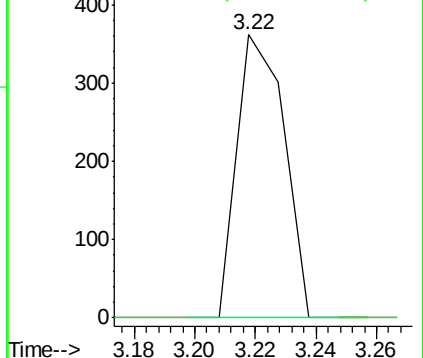


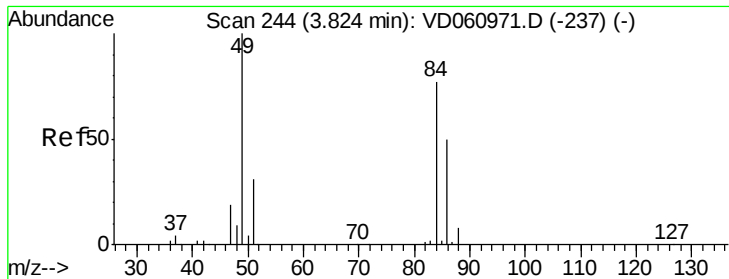
#16
Acetone
Concen: 63.684 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061146.D
Acq: 18 Mar 2019 15:37

Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

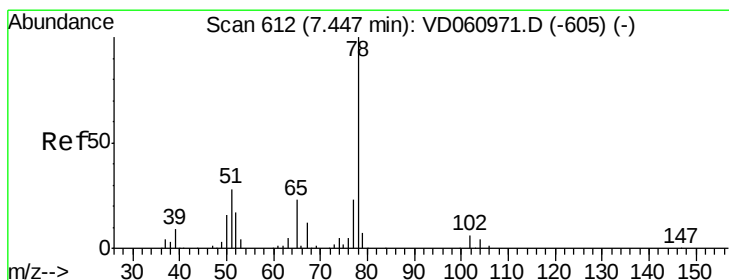
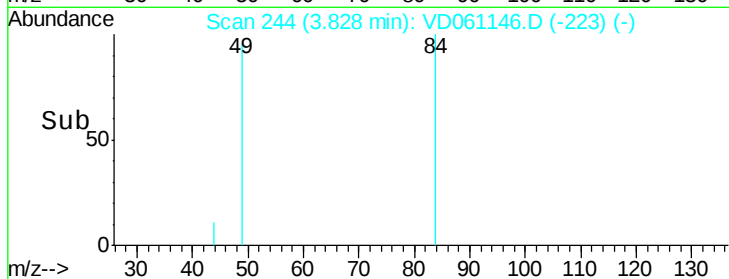
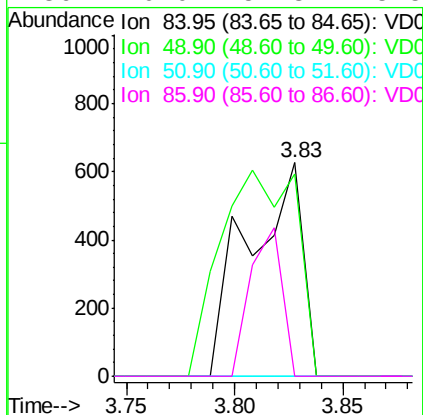
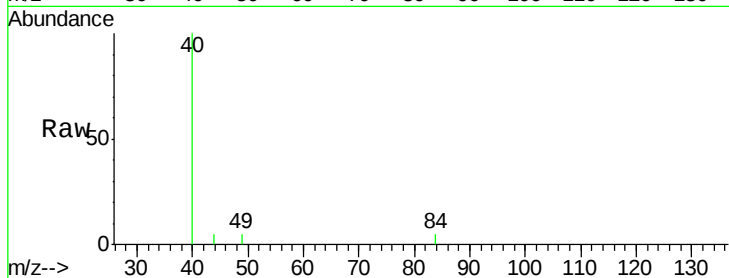




#20
Methvlene Chloride
Concen: 38.121 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061146.D
Acq: 18 Mar 2019 15:37

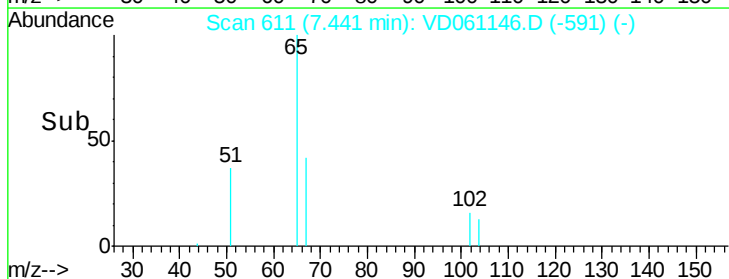
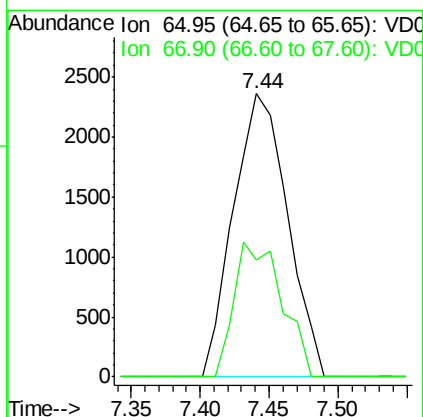
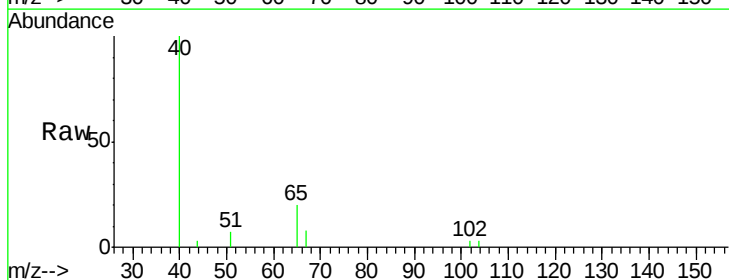
Instrument :
MSVOA_D
ClientSampleId :

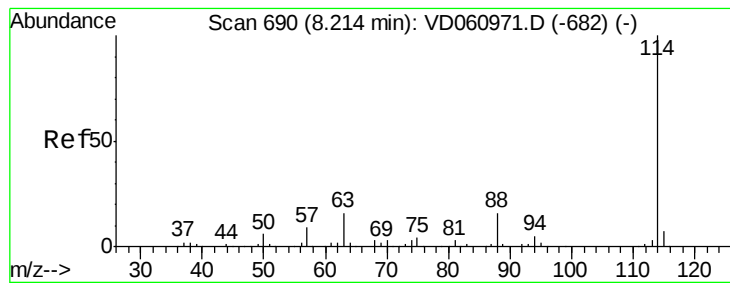
Tot Ion: 84 Resp: 1101
Ion Ratio Lower Upper
84 100
49 94.7 104.2 156.2#
51 0.0 32.3 48.5#
86 0.0 52.3 78.5#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061146.D
Acq: 18 Mar 2019 15:37

Tgt Ion: 65 Resp: 6447
Ion Ratio Lower Upper
65 100
67 41.5 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061146.D

Acq: 18 Mar 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

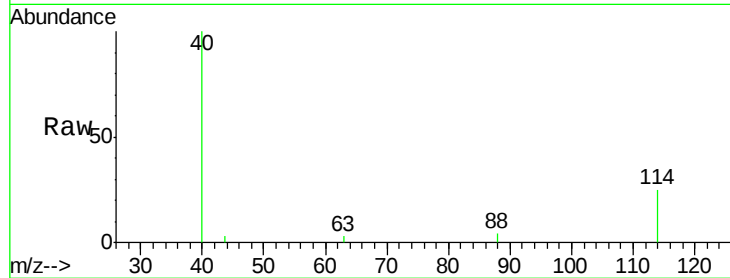
Tot Ion:114 Resp: 6713

Ion Ratio Lower Upper

114 100

63 11.4 0.0 31.4

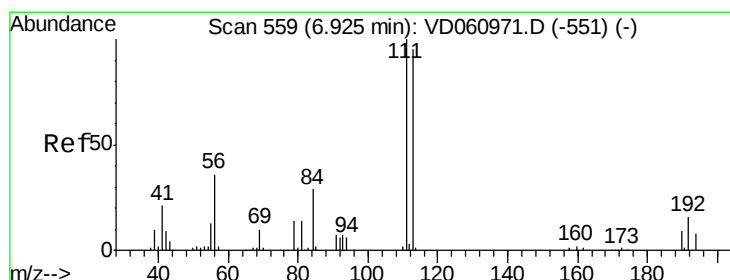
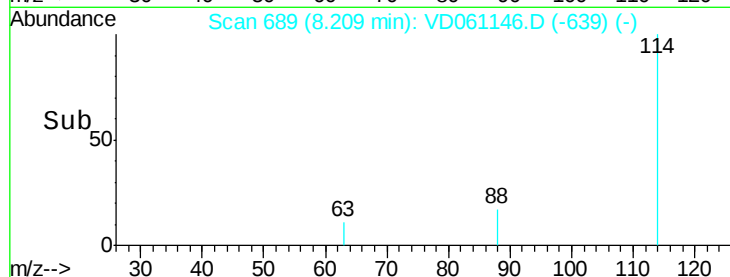
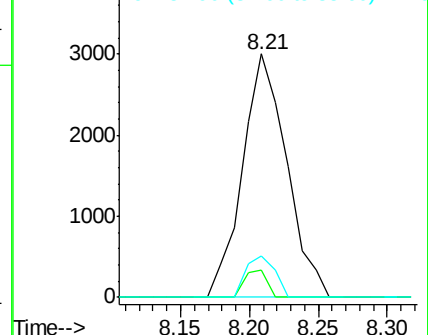
88 17.1 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061146.D

Acq: 18 Mar 2019 15:37

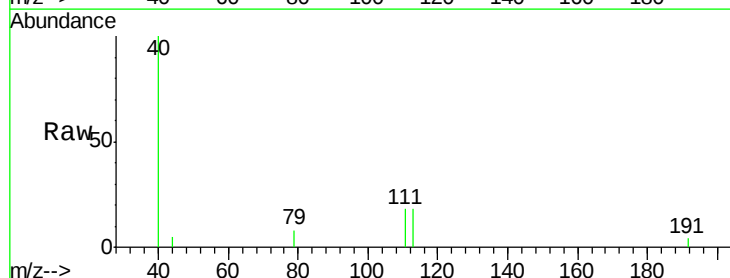
Tgt Ion:113 Resp: 5553

Ion Ratio Lower Upper

113 100

111 101.6 84.2 126.4

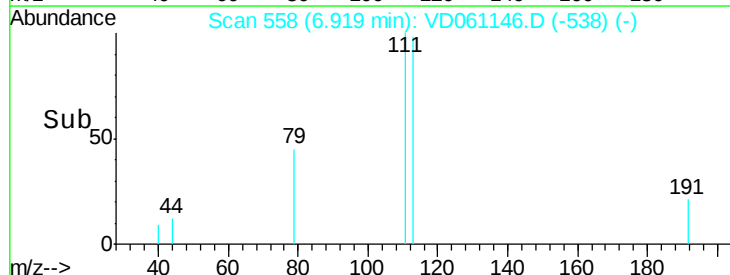
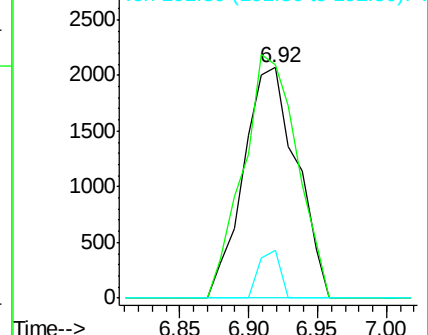
192 20.9 13.1 19.7#

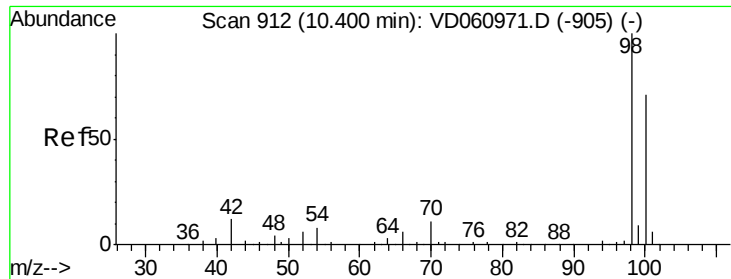


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD061146.D

Acq: 18 Mar 2019 15:37

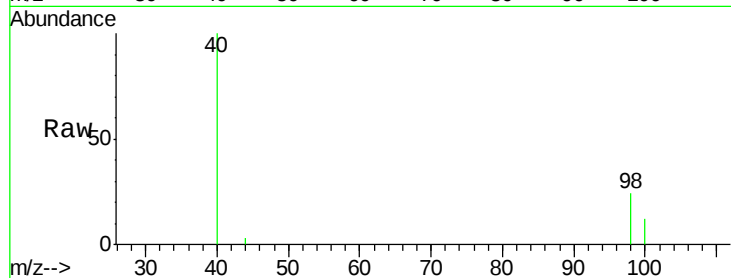
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 5951

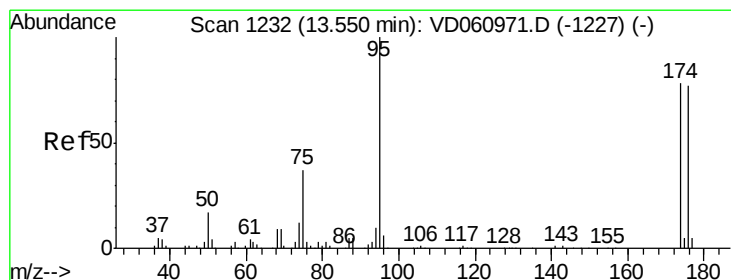
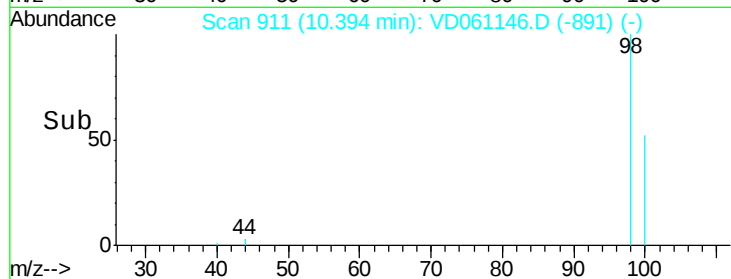
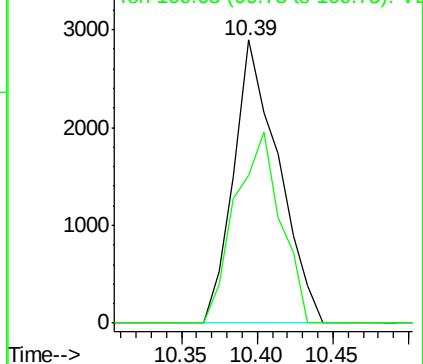
Ion Ratio Lower Upper

98 100

100 52.0 57.4 86.2#



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061146.D

Acq: 18 Mar 2019 15:37

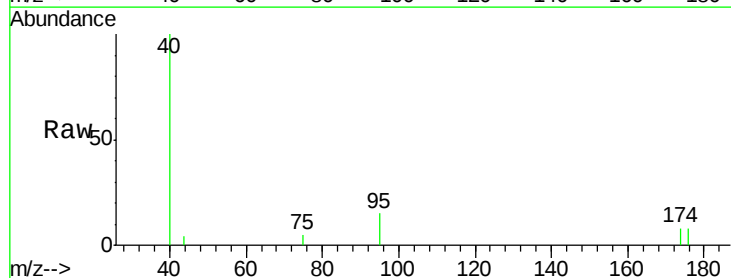
Tgt Ion: 95 Resp: 2210

Ion Ratio Lower Upper

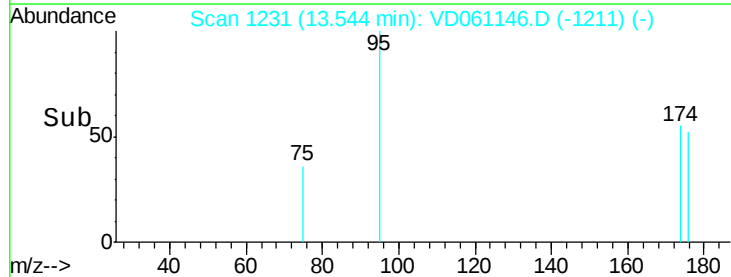
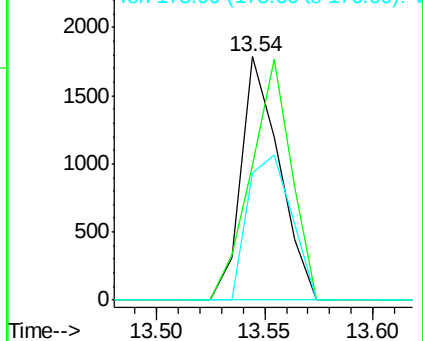
95 100

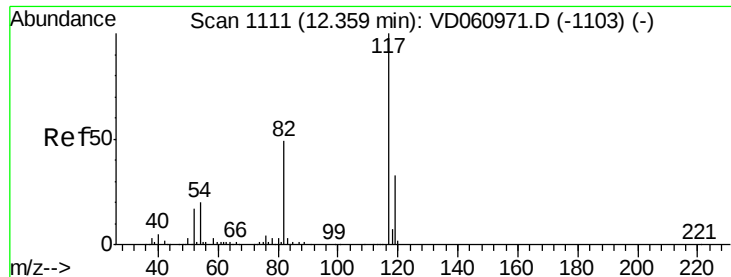
174 55.5 0.0 155.6

176 52.0 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

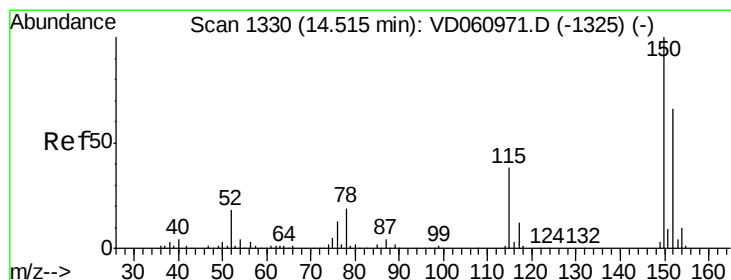
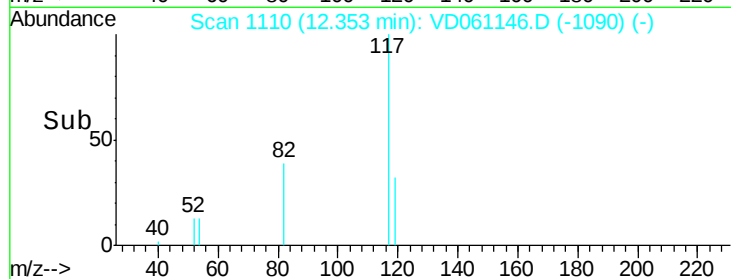
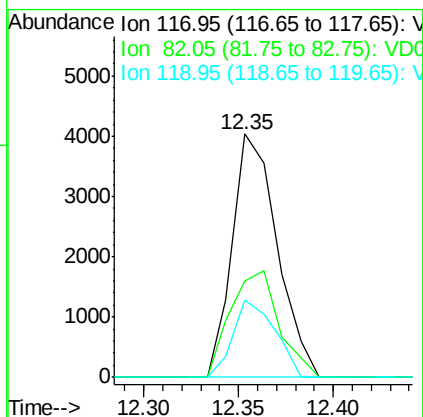
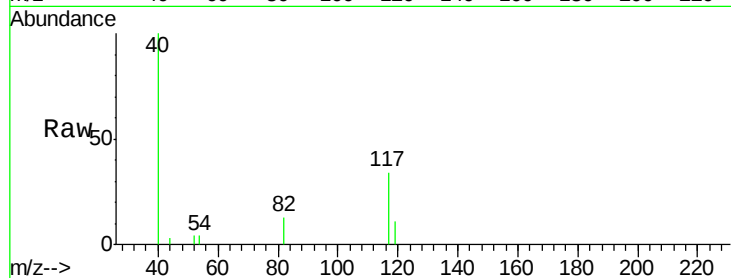




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061146.D
Acq: 18 Mar 2019 15:37

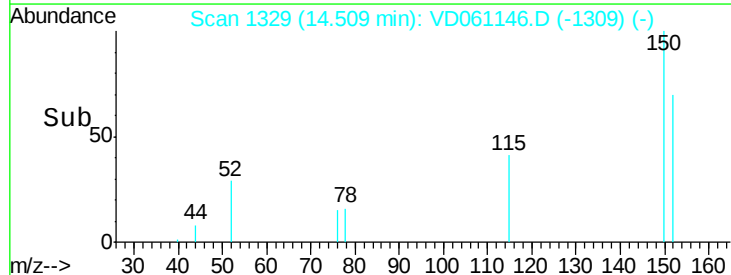
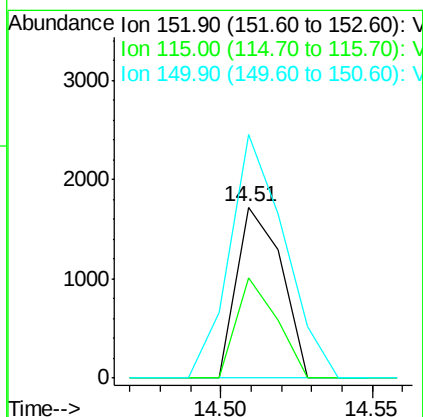
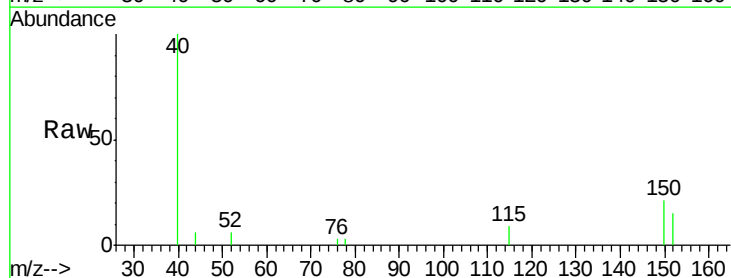
Instrument :
MSVOA_D
ClientSampleId :

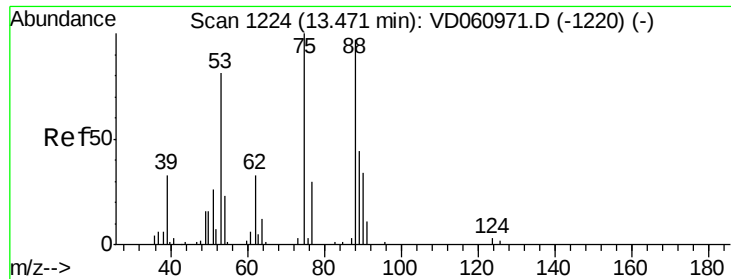
Tot Ion:117 Resp: 6609
Ion Ratio Lower Upper
117 100
82 39.5 38.9 58.3
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061146.D
Acq: 18 Mar 2019 15:37

Tgt Ion:152 Resp: 1783
Ion Ratio Lower Upper
152 100
115 59.1 28.6 85.9
150 142.7 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 86.874 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061146.D

Acq: 18 Mar 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

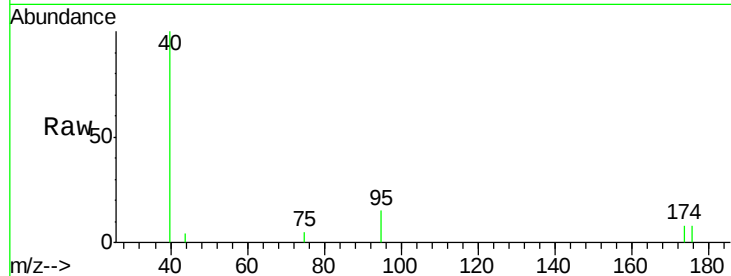
Tot Ion: 75 Resp: 657

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

13.54

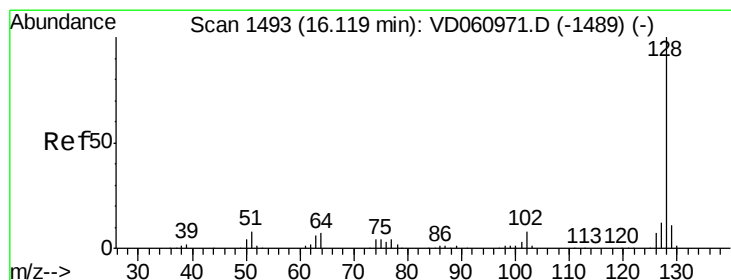
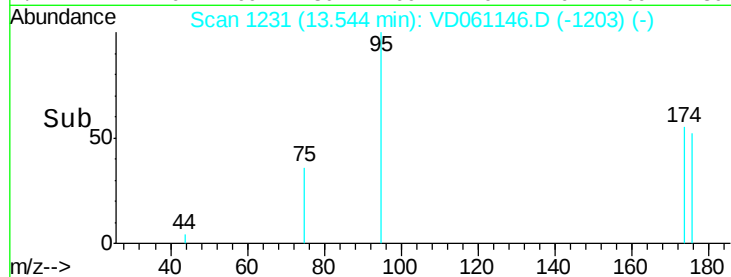
600

400

200

0

Time-->



#95

Naphthalene

Concen: 5.839 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061146.D

Acq: 18 Mar 2019 15:37

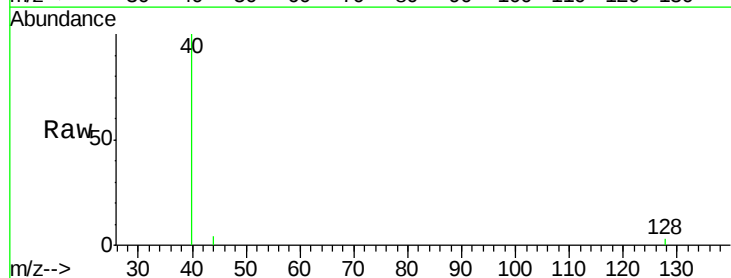
Tgt Ion: 128 Resp: 201

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.5 12.7#



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

16.12

400

300

200

100

0

Time-->

