

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\
 Data File : VD060668.D
 Acq On : 20 Dec 2018 19:48
 Operator : VA/AP
 Sample : J6465-02
 Misc : 4.77g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 03:40:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

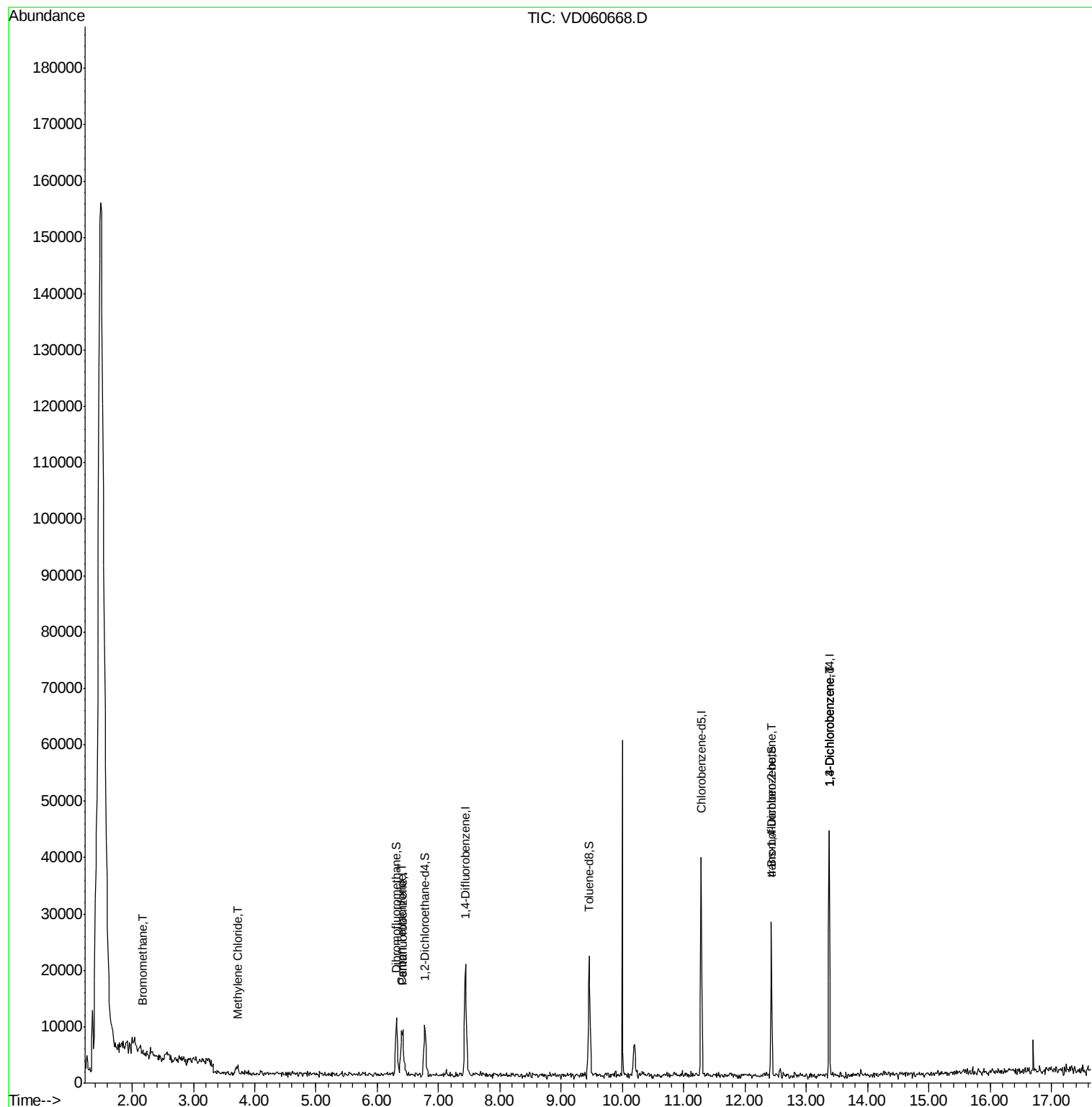
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	14783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	25646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	23816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	10316	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	8901	87.13	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	174.26%	
35) Dibromofluoromethane	6.31	113	9206	49.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	9.46	98	21269	37.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.96%	
62) 4-Bromofluorobenzene	12.43	95	7852	40.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.06%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.18	94	188	6.081	ug/l #	2
20) Methylene Chloride	3.73	84	593	3.201	ug/l #	39
38) Carbon Tetrachloride	6.40	117	452	1.940	ug/l #	12
81) trans-1,4-Dichloro-2-buten	12.43	75	3461	106.646	ug/l #	13
87) 1,3-Dichlorobenzene	13.39	146	409	1.149	ug/l #	26
88) 1,4-Dichlorobenzene	13.39	146	409	1.166	ug/l #	26

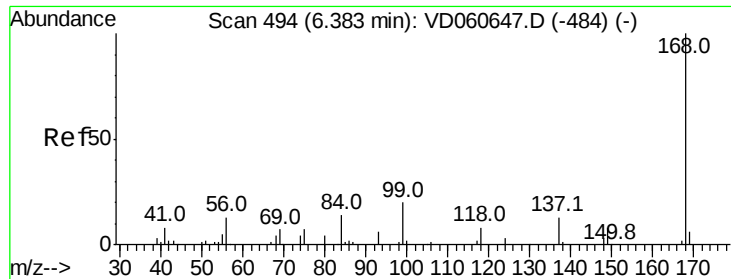
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122018\
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MSVOA_D
ClientSampleId :

Quant Time: Dec 21 03:40:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060668.D

Acq: 20 Dec 2018 19:48

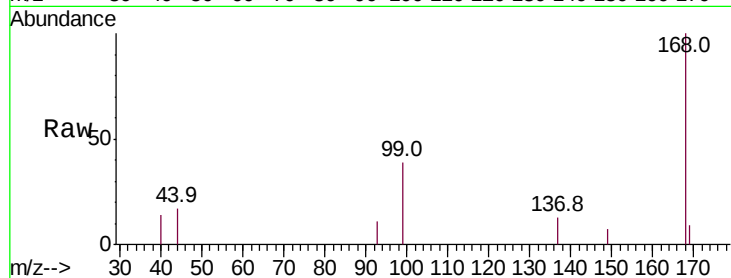
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 14783

Ion Ratio Lower Upper

168 100

99 39.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

4000

3000

2000

1000

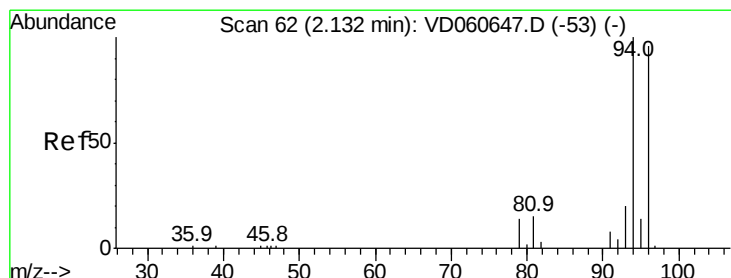
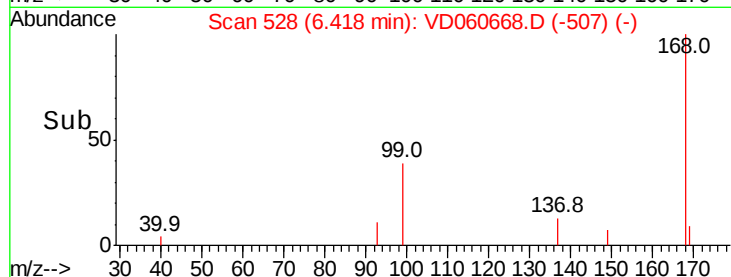
0

6.30

6.40

6.50

Time-->



#5

Bromomethane

Concen: 6.081 ug/l

RT: 2.18 min Scan# 97

Delta R.T. 0.01 min

Lab File: VD060668.D

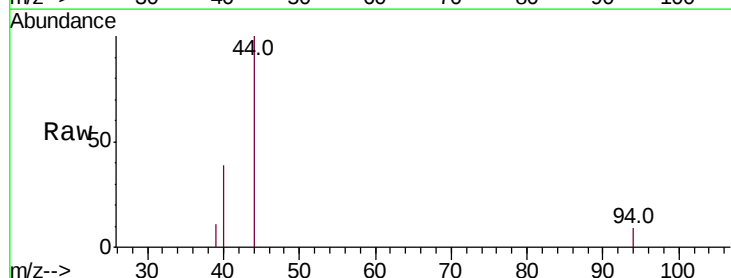
Acq: 20 Dec 2018 19:48

Tgt Ion: 94 Resp: 188

Ion Ratio Lower Upper

94 100

96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.18

300

200

100

0

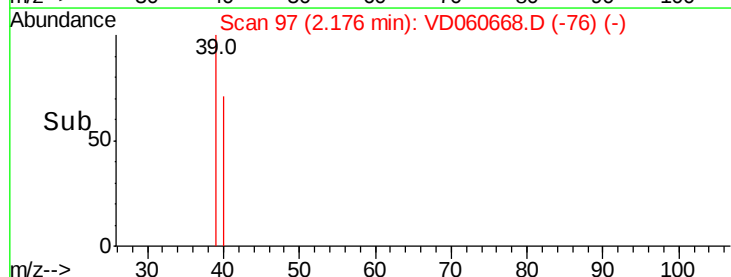
2.14

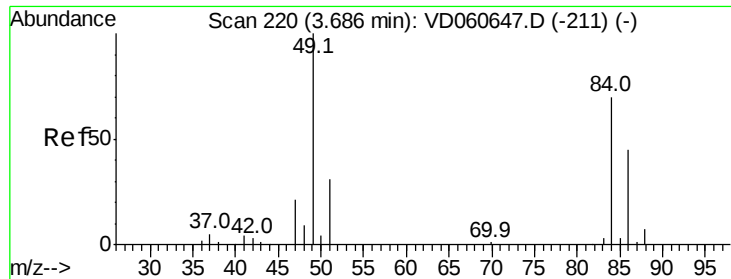
2.16

2.18

2.20

Time-->

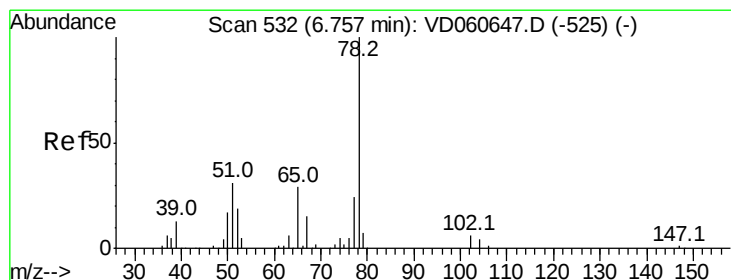
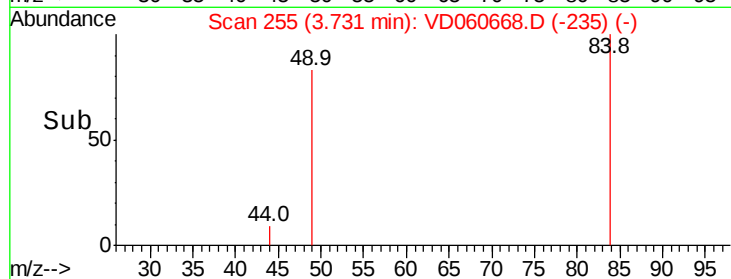
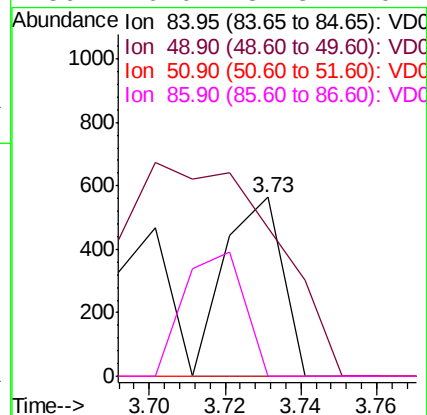
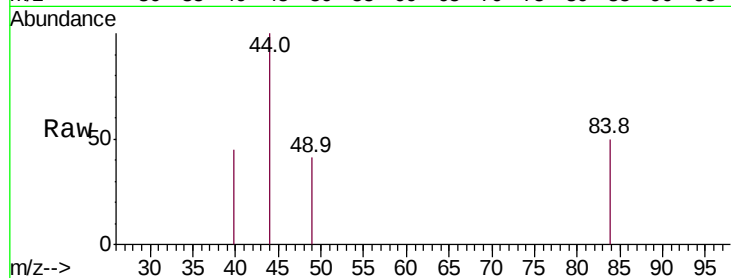




#20
Methvlene Chloride
Concen: 3.201 ug/l
RT: 3.73 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD060668.D
Acq: 20 Dec 2018 19:48

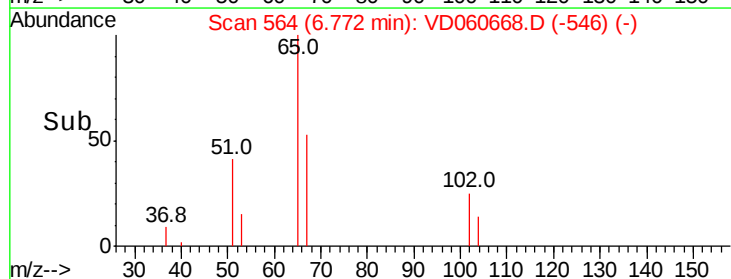
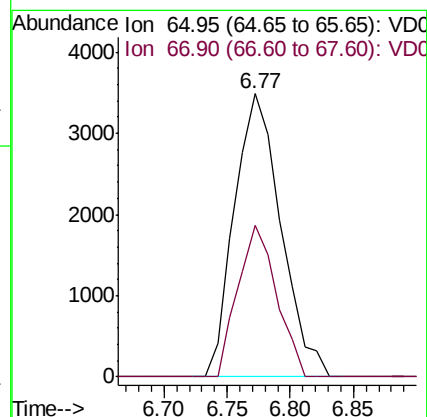
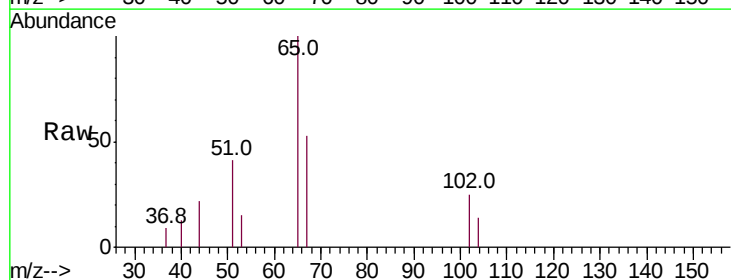
Instrument :
MSVOA_D
ClientSampleId :

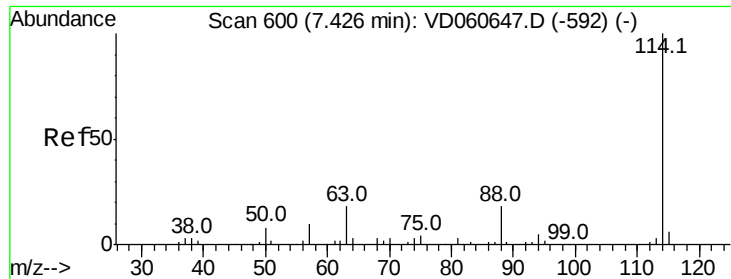
Tot Ion: 84 Resp: 593
Ion Ratio Lower Upper
84 100
49 82.9 113.6 170.4#
51 0.0 34.7 52.1#
86 0.0 52.8 79.2#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD060668.D
Acq: 20 Dec 2018 19:48

Tgt Ion: 65 Resp: 8901
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4

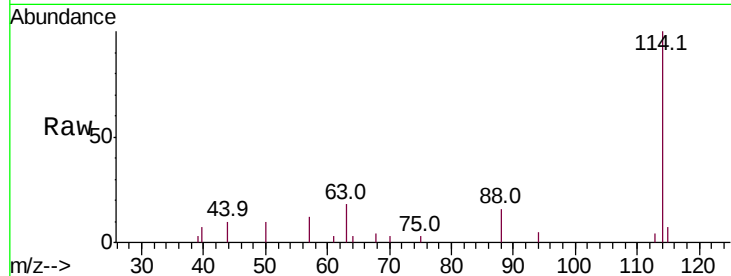




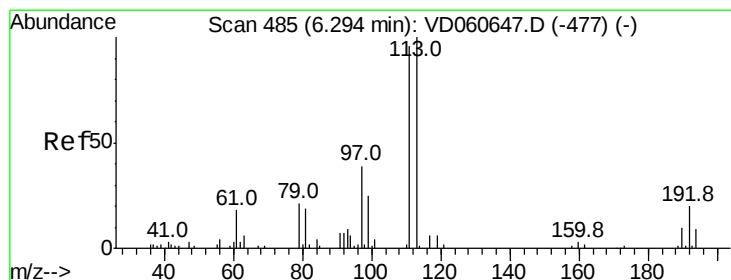
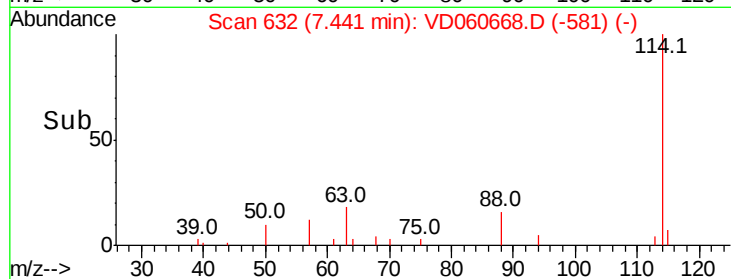
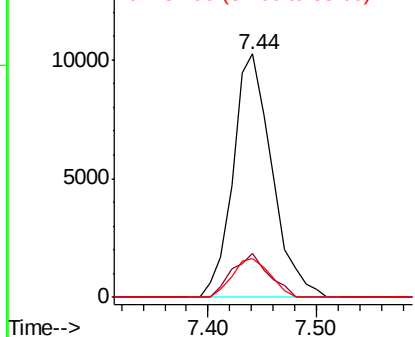
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VD060668.D
 Acq: 20 Dec 2018 19:48

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 25646
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.2
 88 15.7 0.0 37.0

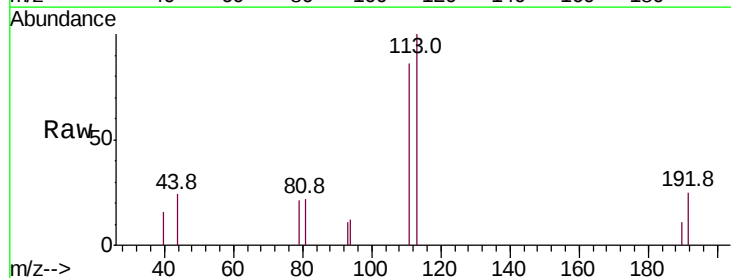


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

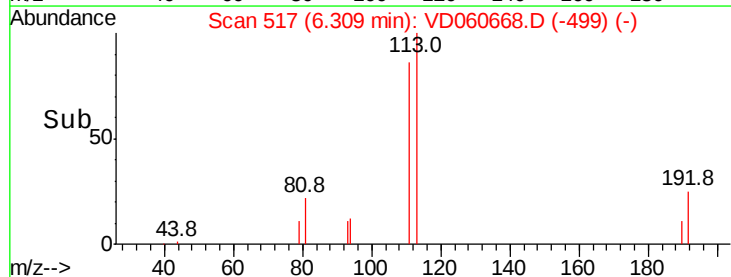
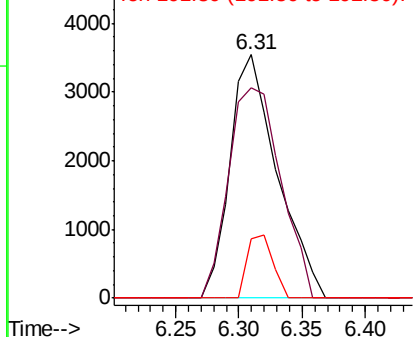


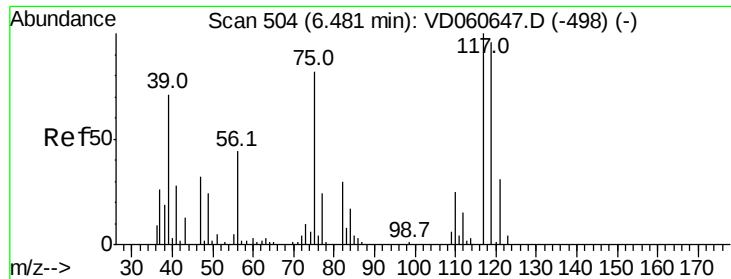
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 517
 Delta R.T. -0.02 min
 Lab File: VD060668.D
 Acq: 20 Dec 2018 19:48

Tgt Ion:113 Resp: 9206
 Ion Ratio Lower Upper
 113 100
 111 86.4 80.0 120.0
 192 24.6 16.6 25.0



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





#38

Carbon Tetrachloride

Concen: 1.940 ug/l

RT: 6.40 min Scan# 526

Delta R.T. -0.10 min

Lab File: VD060668.D

Acq: 20 Dec 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

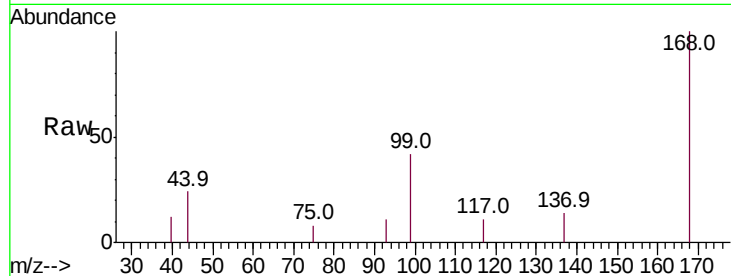
Tot Ion:117 Resp: 452

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

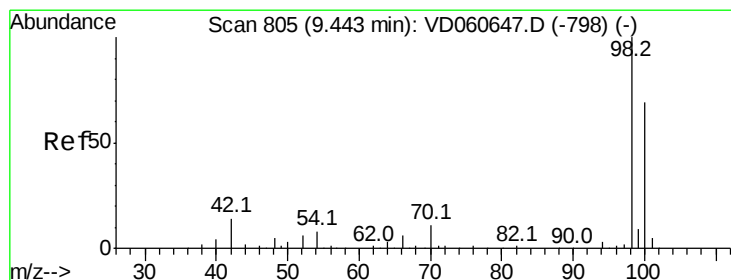
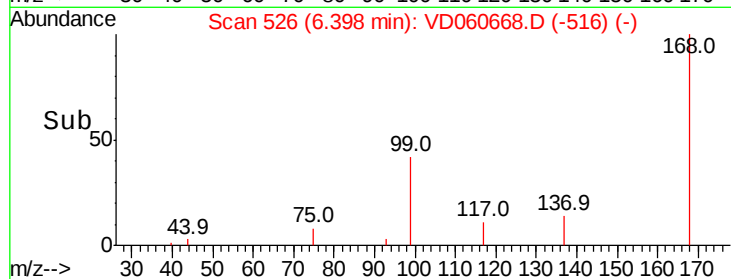
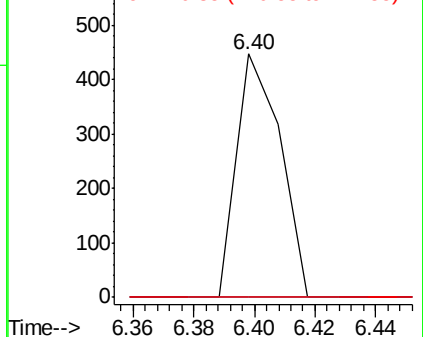
121 0.0 24.7 37.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 837

Delta R.T. 0.00 min

Lab File: VD060668.D

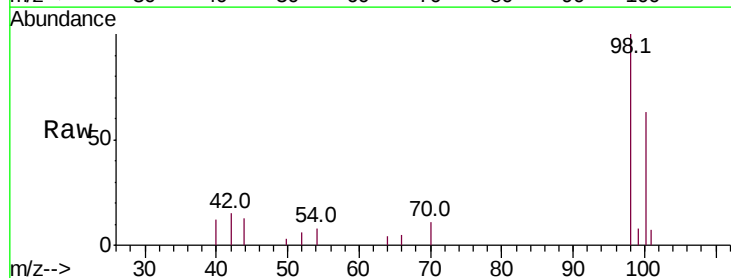
Acq: 20 Dec 2018 19:48

Tgt Ion: 98 Resp: 21269

Ion Ratio Lower Upper

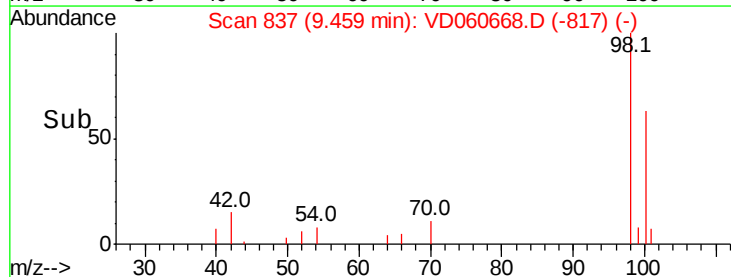
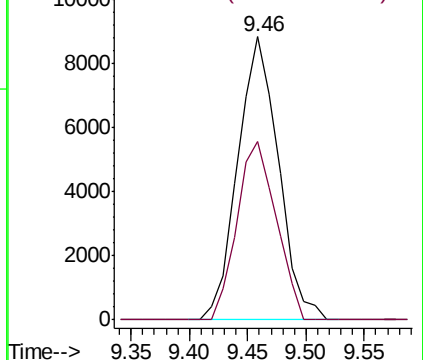
98 100

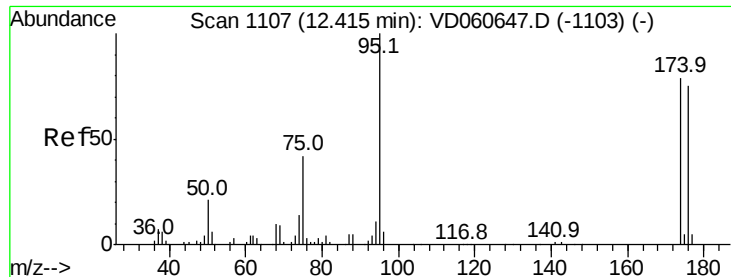
100 62.9 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD060668.D

Acq: 20 Dec 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

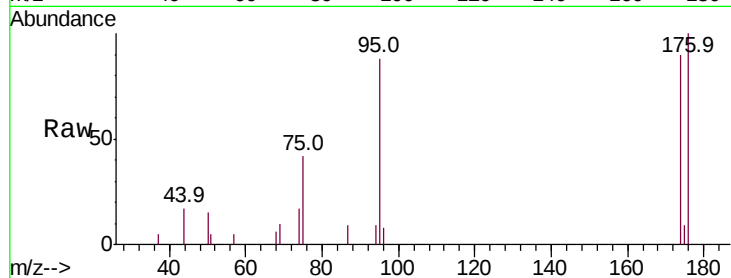
Tot Ion: 95 Resp: 7852

Ion Ratio Lower Upper

95 100

174 102.2 0.0 158.2

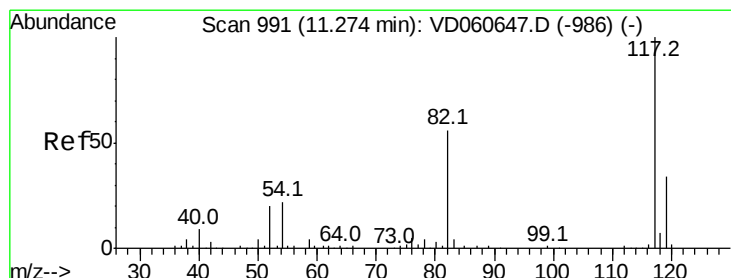
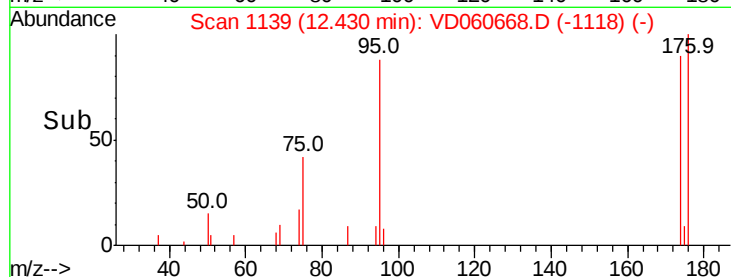
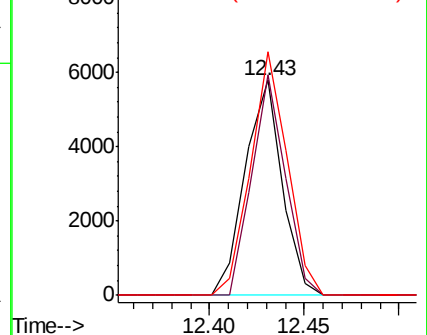
176 113.1 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.29 min Scan# 1023

Delta R.T. 0.01 min

Lab File: VD060668.D

Acq: 20 Dec 2018 19:48

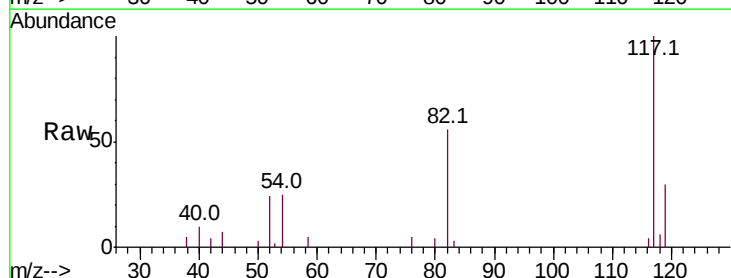
Tgt Ion: 117 Resp: 23816

Ion Ratio Lower Upper

117 100

82 56.0 44.5 66.7

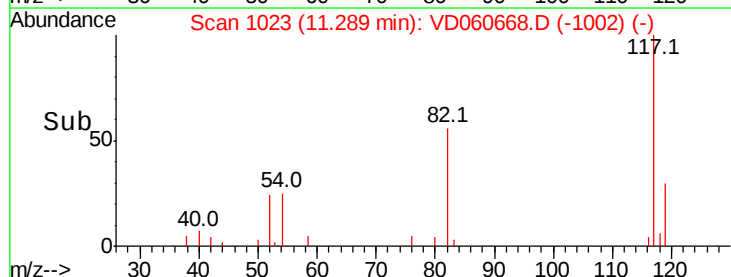
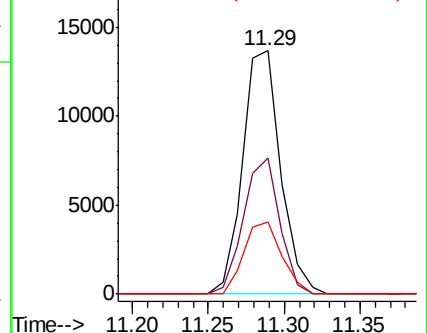
119 29.6 26.3 39.5

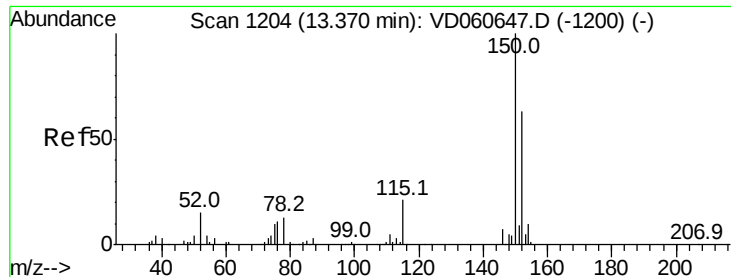


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD060668.D

Acq: 20 Dec 2018 19:48

Instrument :

MSVOA_D

ClientSampled :

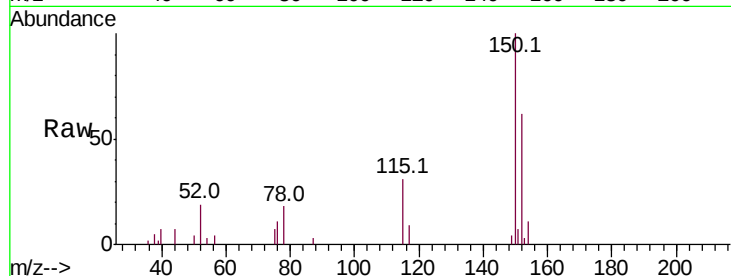
Tot Ion:152 Resp: 10316

Ion Ratio Lower Upper

152 100

115 49.8 24.1 72.3

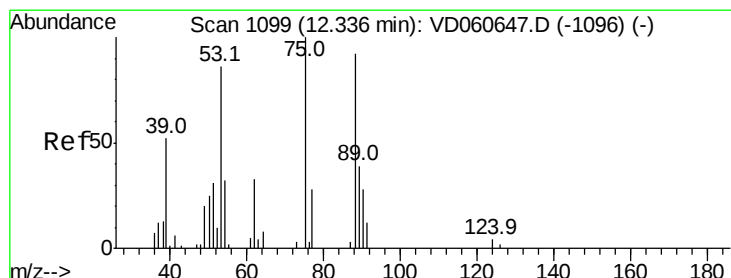
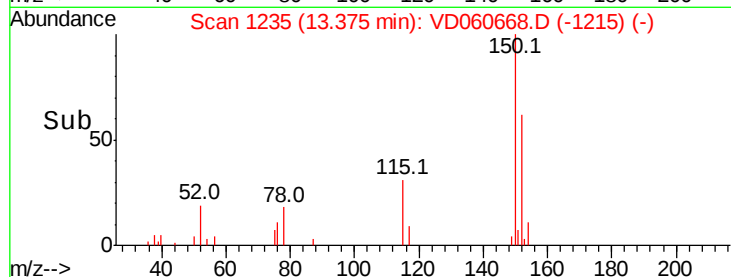
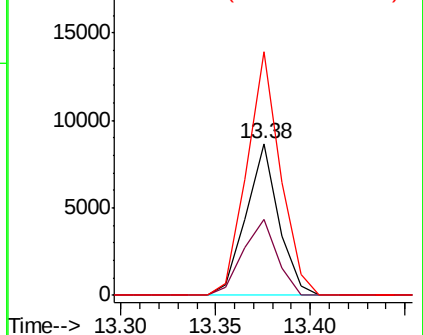
150 160.2 0.0 315.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 106.646 ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.09 min

Lab File: VD060668.D

Acq: 20 Dec 2018 19:48

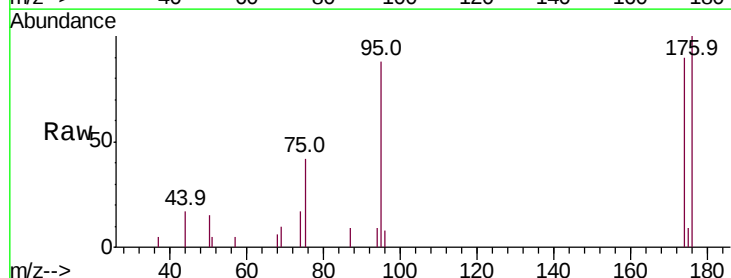
Tgt Ion: 75 Resp: 3461

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

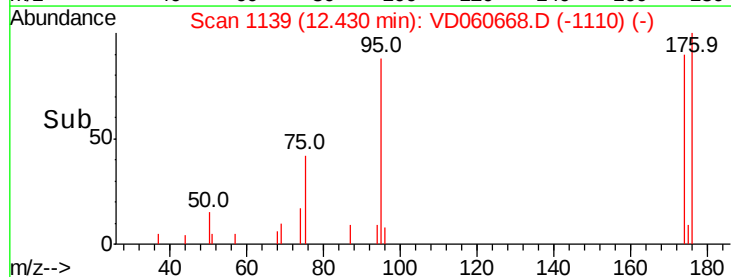
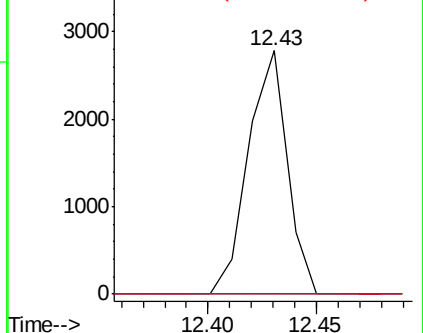
89 0.0 35.1 52.7#

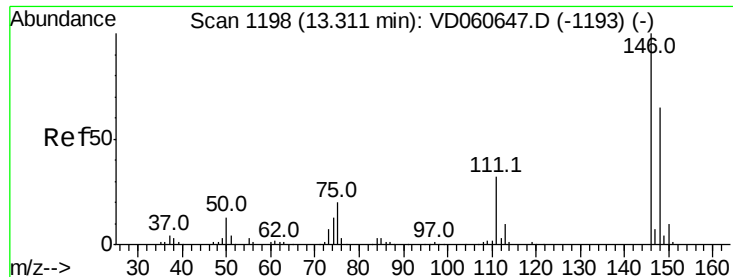


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#87

1,3-Dichlorobenzene

Concen: 1.149 ug/l

RT: 13.39 min Scan# 1236

Delta R.T. 0.07 min

Lab File: VD060668.D

Acq: 20 Dec 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

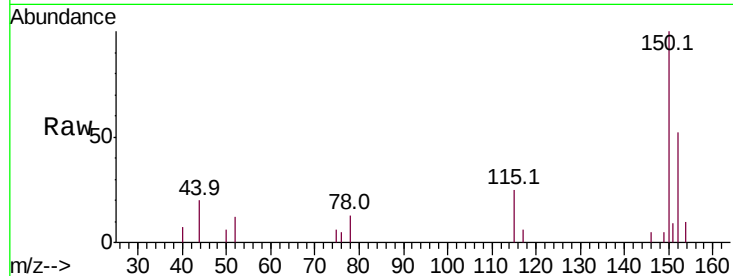
Tot Ion:146 Resp: 409

Ion Ratio Lower Upper

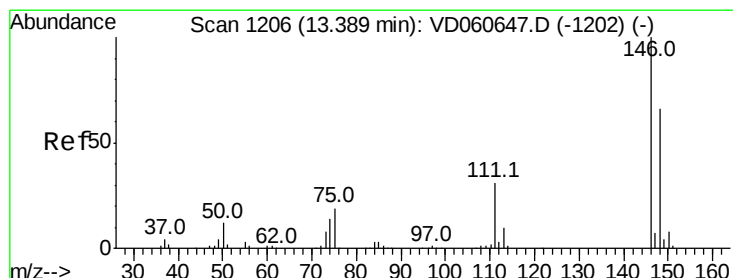
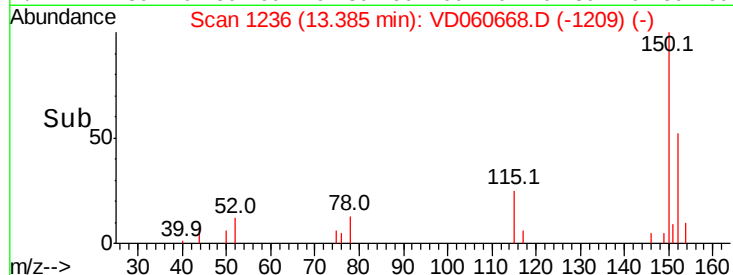
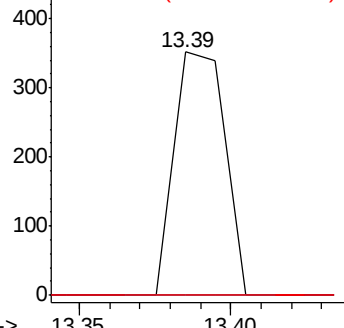
146 100

111 0.0 16.6 49.8#

148 0.0 32.6 97.8#



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.166 ug/l

RT: 13.39 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VD060668.D

Acq: 20 Dec 2018 19:48

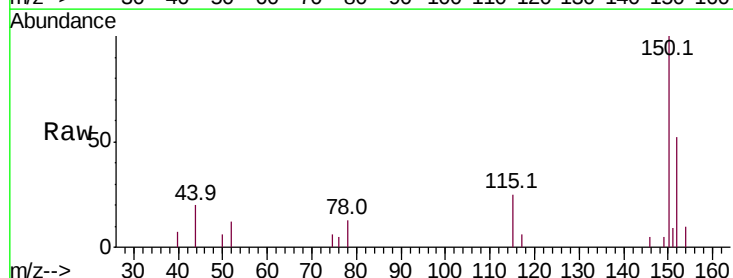
Tgt Ion:146 Resp: 409

Ion Ratio Lower Upper

146 100

111 0.0 16.2 48.5#

148 0.0 32.7 98.1#



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

