

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046815.D
 Acq On : 21 Sep 2015 18:52
 Operator : FY/SY
 Sample : G3748-05
 Misc : 12.43qm/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP205-17-19

Quant Time: Sep 22 03:22:42 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

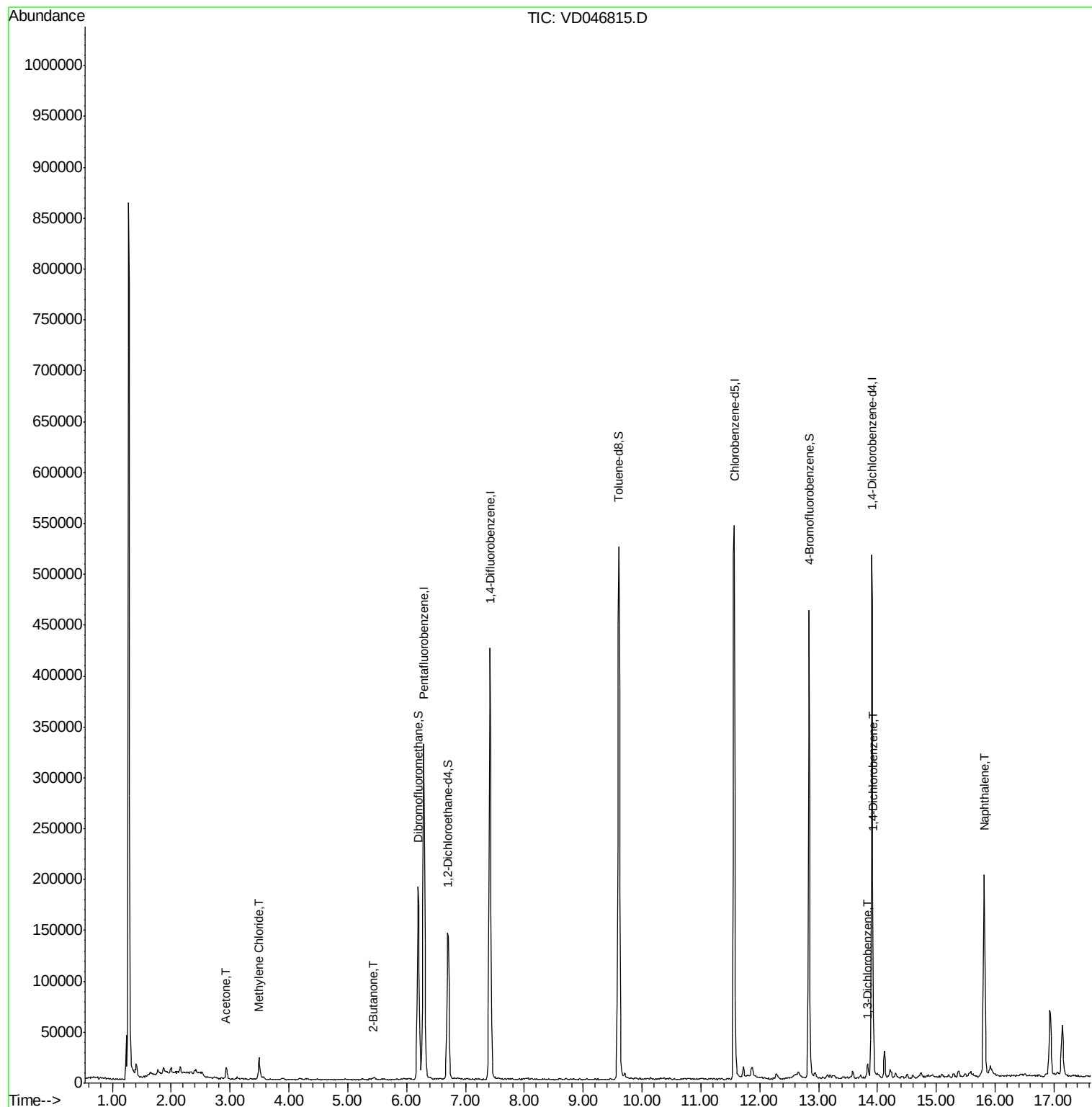
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	279005	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	370911	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	284197	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	136700	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.70	65	118574	40.88	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	81.76%	
35) Dibromofluoromethane	6.19	113	136929	47.18	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	9.60	98	405922	44.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.68%	
62) 4-Bromofluorobenzene	12.84	95	144832	39.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	78.58%	
Target Compounds						
17) Acetone	2.93	43	14461	29.50	ug/l	93
21) Methylene Chloride	3.49	84	8466	3.18	ug/l #	84
26) 2-Butanone	5.44	43	3579	6.50	ug/l #	88
87) 1,3-Dichlorobenzene	13.83	146	5609	1.24	ug/l	93
88) 1,4-Dichlorobenzene	13.93	146	9878	2.20	ug/l	93
95) Naphthalene	15.81	128	187907	64.20	ug/l	98

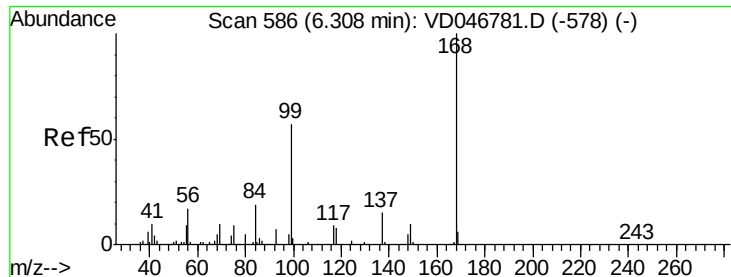
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046815.D

Acq: 21 Sep 2015 18:52

Instrument :

MSVOA_D

ClientSampleId :

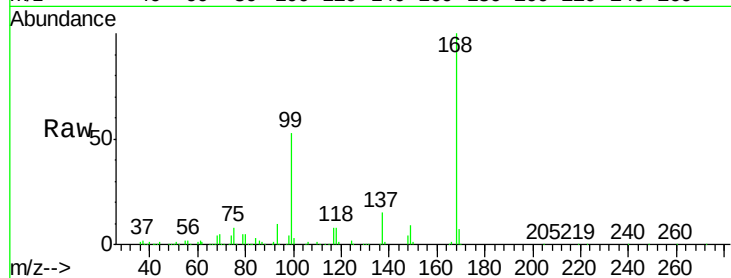
MGP205-17-19

Tot Ion:168 Resp: 279005

Ion Ratio Lower Upper

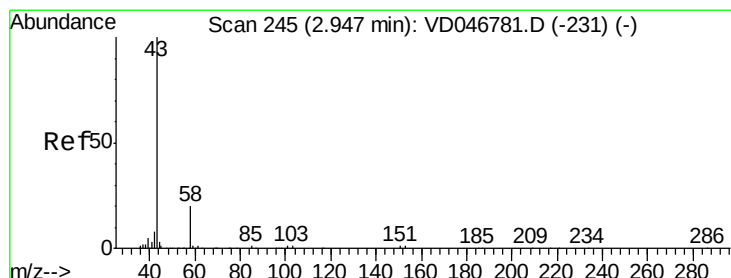
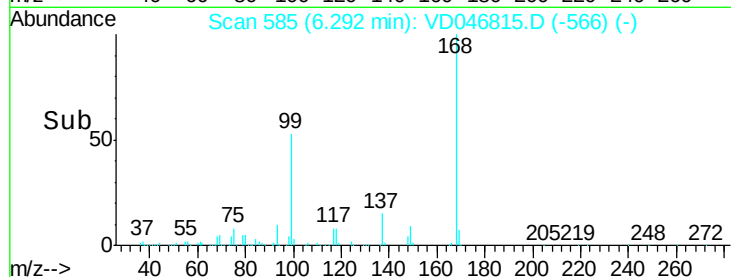
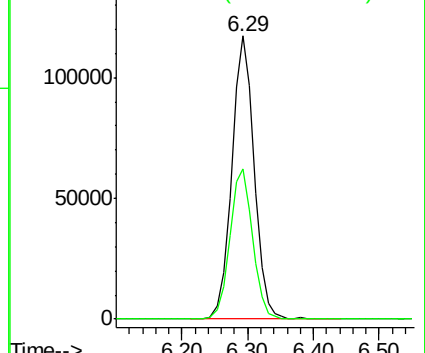
168 100

99 53.2 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#17

Acetone

Concen: 29.50 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046815.D

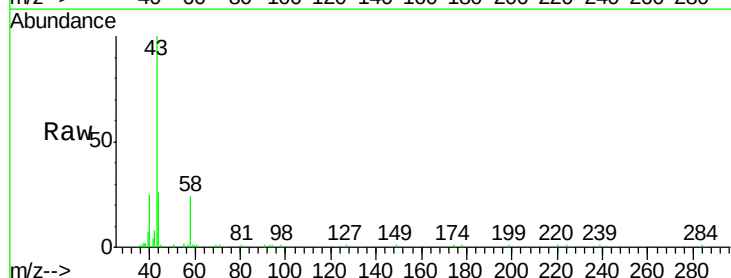
Acq: 21 Sep 2015 18:52

Tgt Ion: 43 Resp: 14461

Ion Ratio Lower Upper

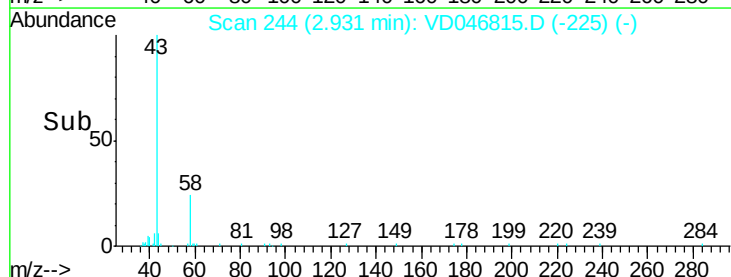
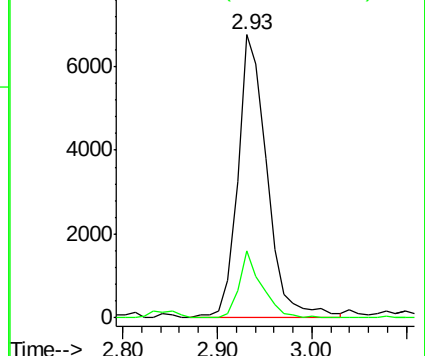
43 100

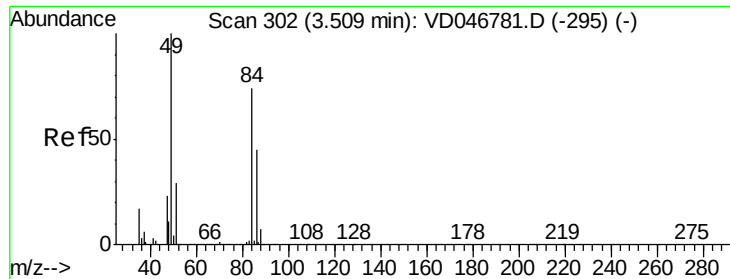
58 23.9 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

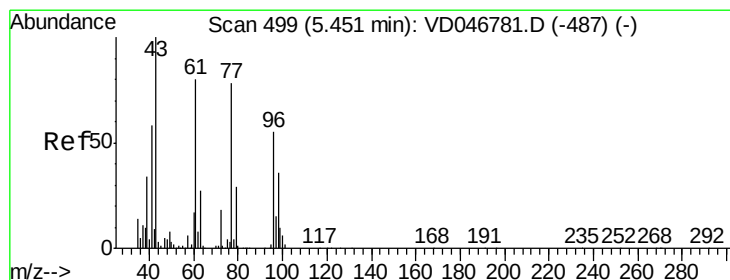
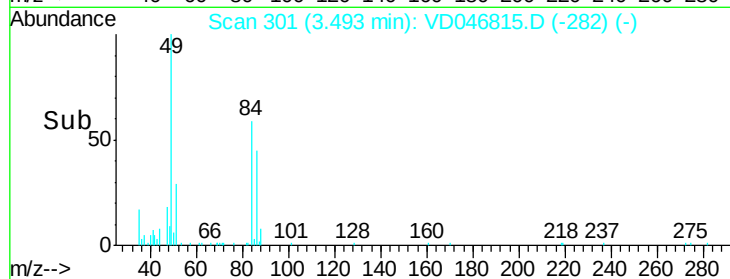
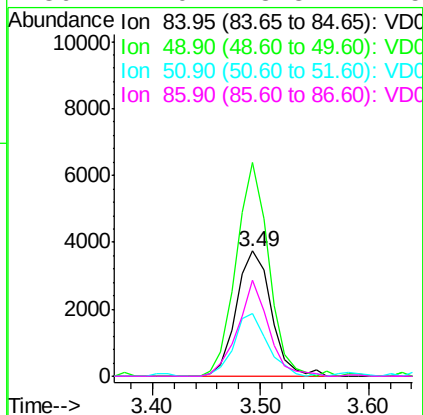
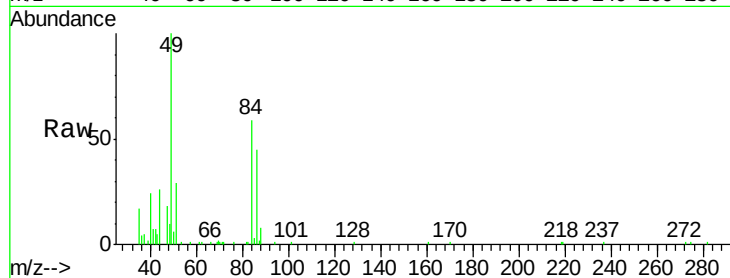




#21
Methvlene Chloride
Concen: 3.18 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046815.D
Acq: 21 Sep 2015 18:52

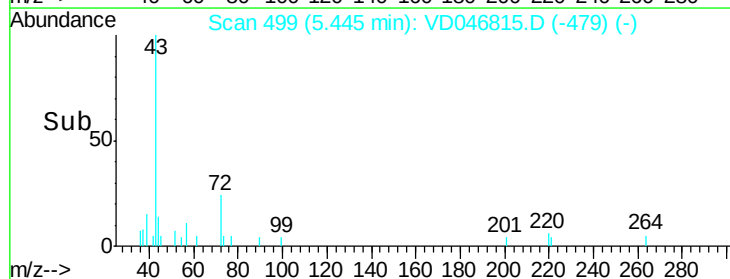
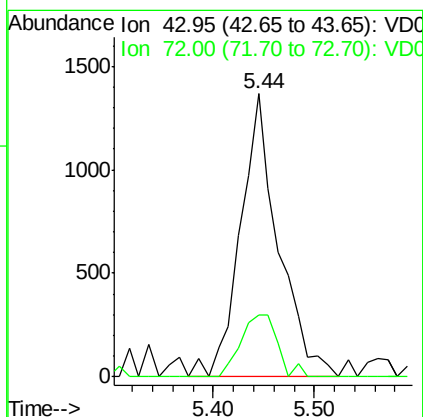
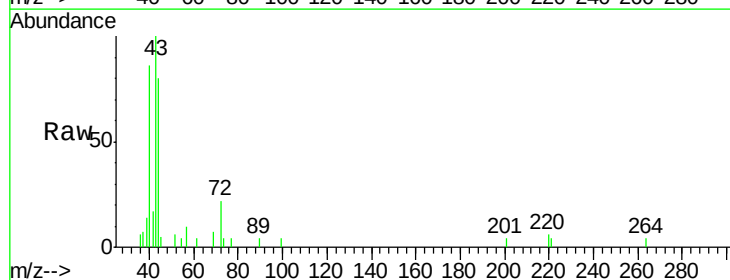
Instrument :
MSVOA_D
ClientSampleId :
MGP205-17-19

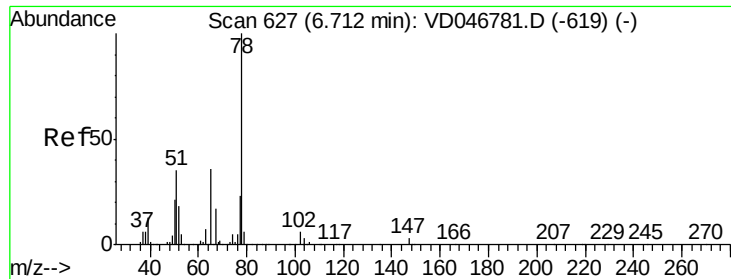
Tot Ion: 84 Resp: 8466
Ion Ratio Lower Upper
84 100
49 170.9 122.1 183.1
51 50.3 33.6 50.4
86 77.0 48.3 72.5#



#26
2-Butanone
Concen: 6.50 ug/l
RT: 5.44 min Scan# 499
Delta R.T. -0.01 min
Lab File: VD046815.D
Acq: 21 Sep 2015 18:52

Tgt Ion: 43 Resp: 3579
Ion Ratio Lower Upper
43 100
72 21.9 13.4 20.0#

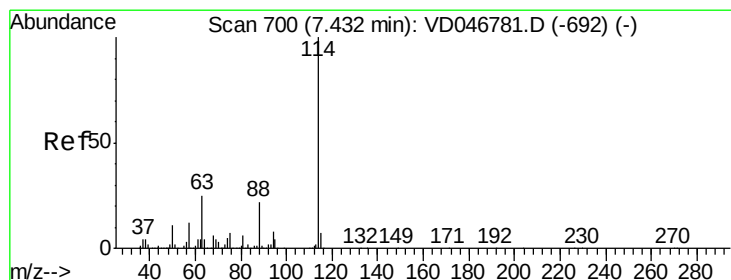
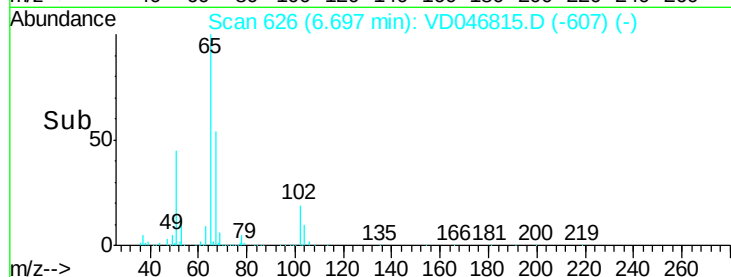
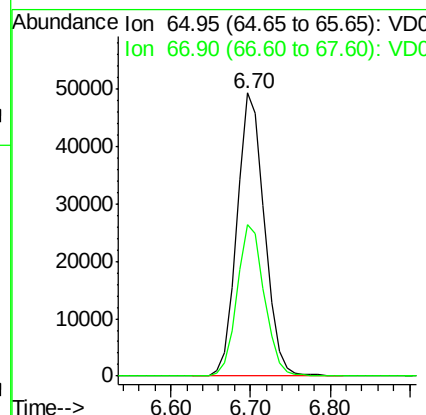
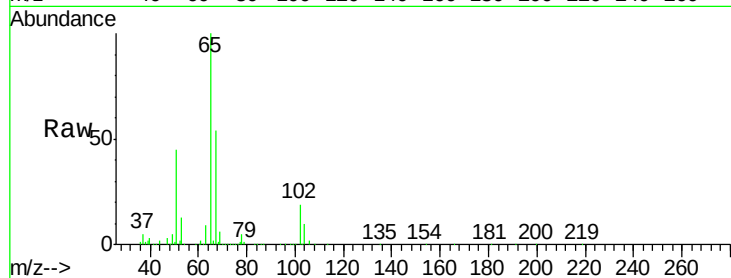




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: VD046815.D
 Acq: 21 Sep 2015 18:52

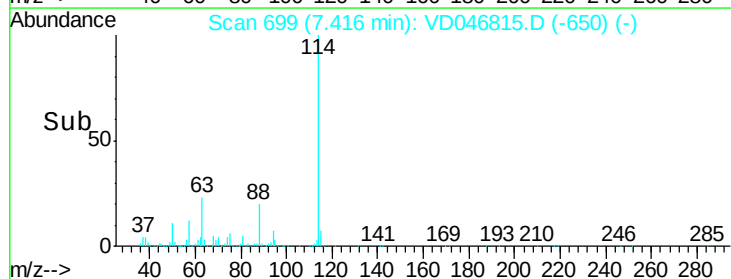
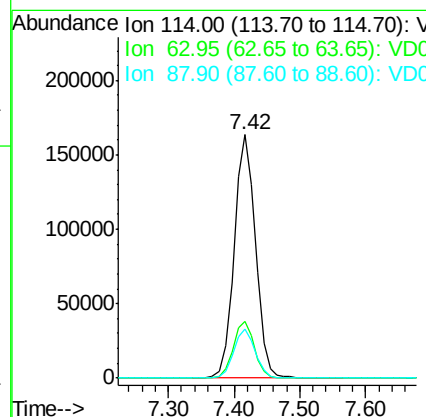
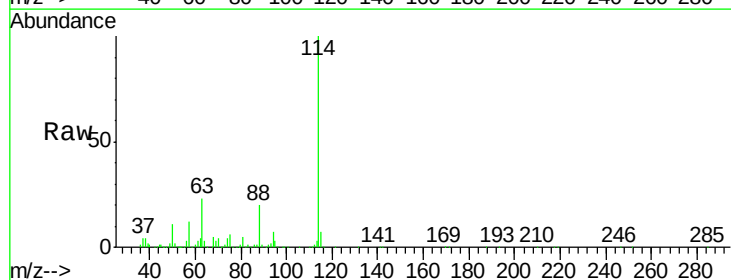
Instrument :
 MSVOA_D
 ClientSampleId :
 MGP205-17-19

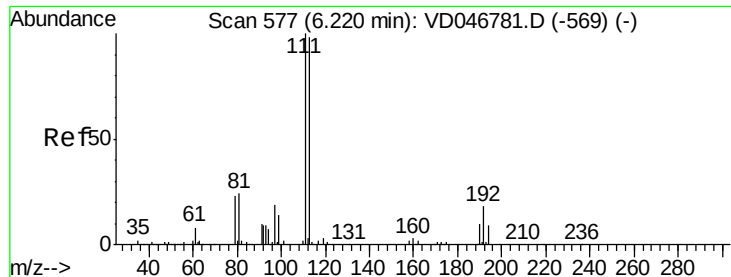
Tot Ion: 65 Resp: 118574
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VD046815.D
 Acq: 21 Sep 2015 18:52

Tgt Ion: 114 Resp: 370911
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 49.8
 88 20.2 0.0 43.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.19 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD046815.D

Acq: 21 Sep 2015 18:52

Instrument :

MSVOA_D

ClientSampleId :

MGP205-17-19

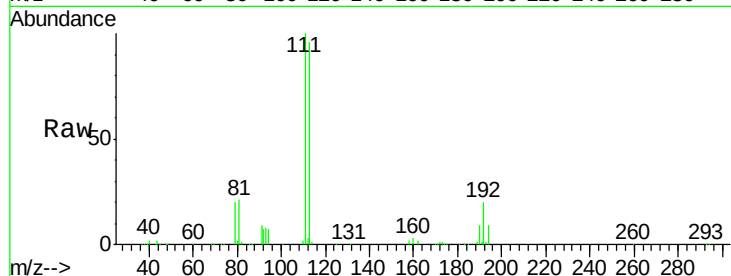
Tot Ion:113 Resp: 136929

Ion Ratio Lower Upper

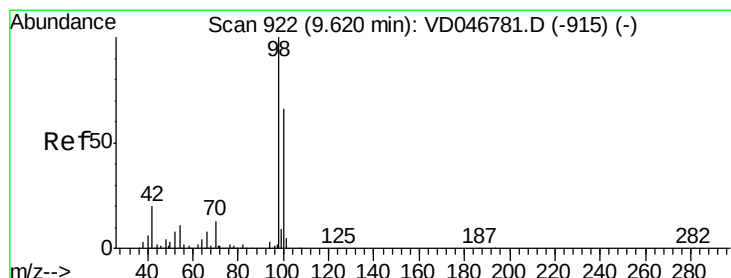
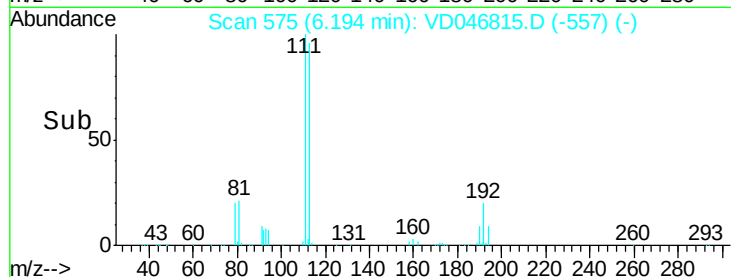
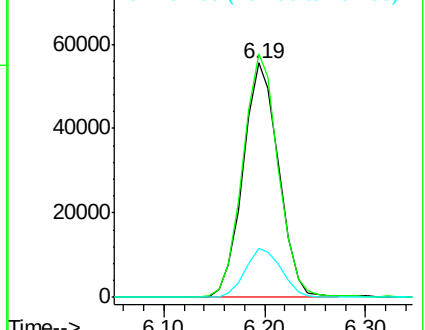
113 100

111 103.9 79.4 119.0

192 20.7 14.6 22.0



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.60 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD046815.D

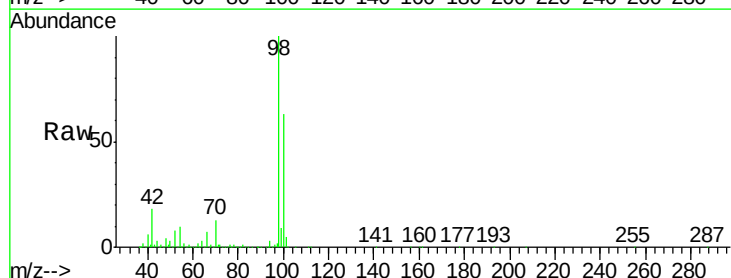
Acq: 21 Sep 2015 18:52

Tgt Ion: 98 Resp: 405922

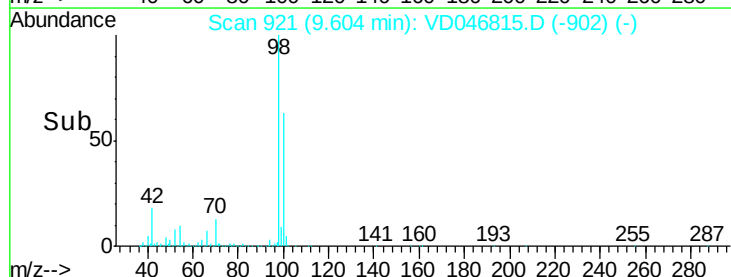
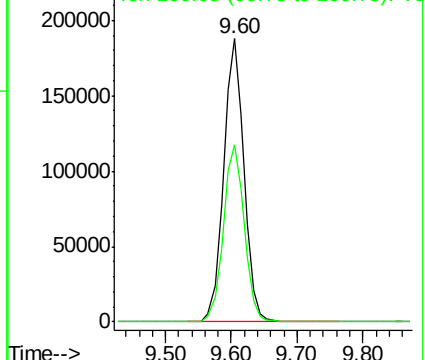
Ion Ratio Lower Upper

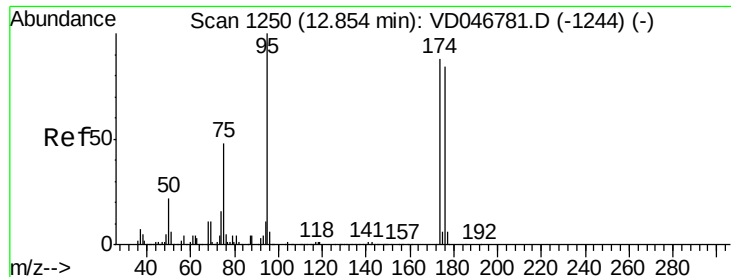
98 100

100 62.5 49.9 74.9



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

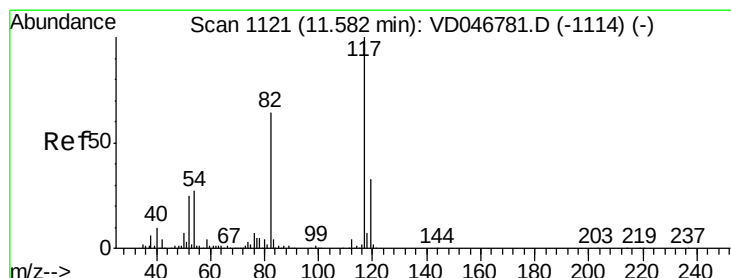
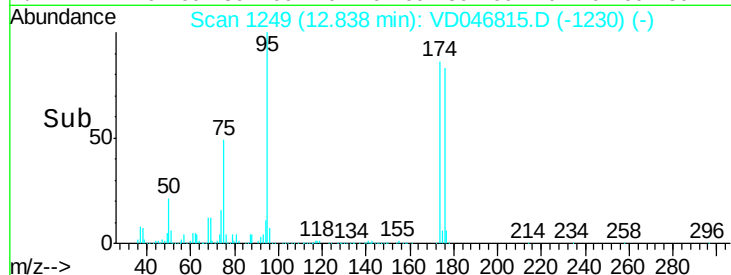
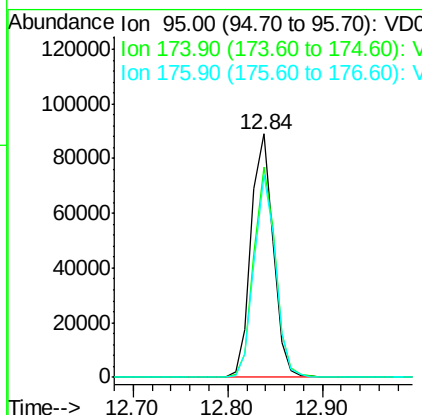
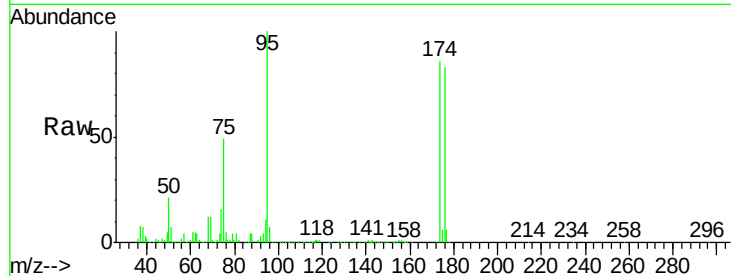




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.84 min Scan# 1249
Delta R.T. -0.02 min
Lab File: VD046815.D
Acq: 21 Sep 2015 18:52

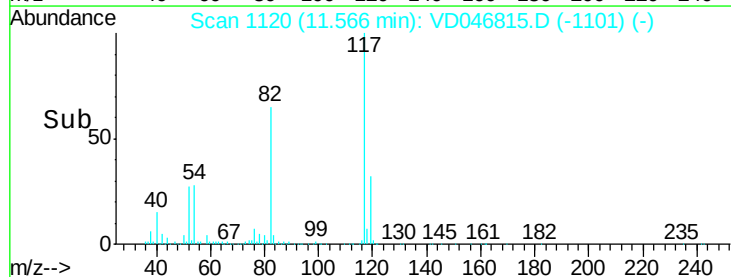
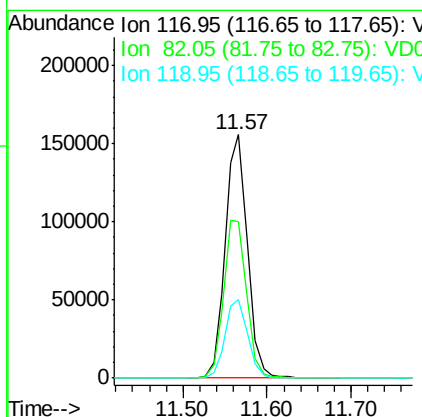
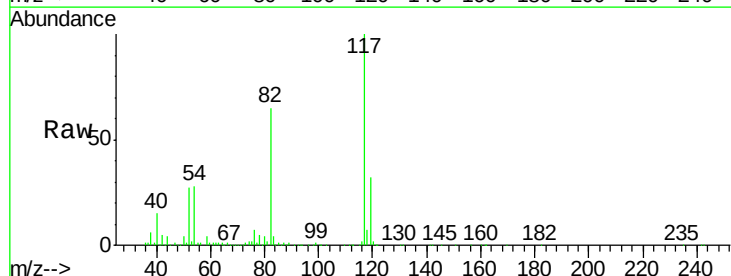
Instrument :
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ClientSampleId :
MGP205-17-19

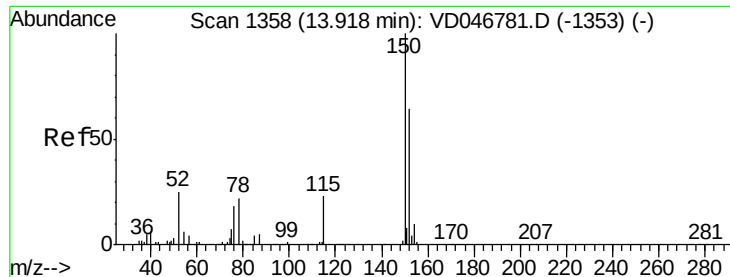
Tot Ion: 95 Resp: 144832
Ion Ratio Lower Upper
95 100
174 86.4 0.0 149.8
176 83.2 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046815.D
Acq: 21 Sep 2015 18:52

Tgt Ion: 117 Resp: 284197
Ion Ratio Lower Upper
117 100
82 64.5 50.6 75.8
119 32.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.91 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD046815.D

Acq: 21 Sep 2015 18:52

Instrument :

MSVOA_D

ClientSampleId :

MGP205-17-19

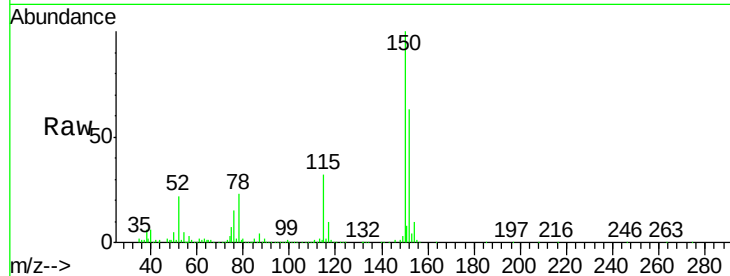
Tot Ion:152 Resp: 136700

Ion Ratio Lower Upper

152 100

115 50.4 26.2 78.6

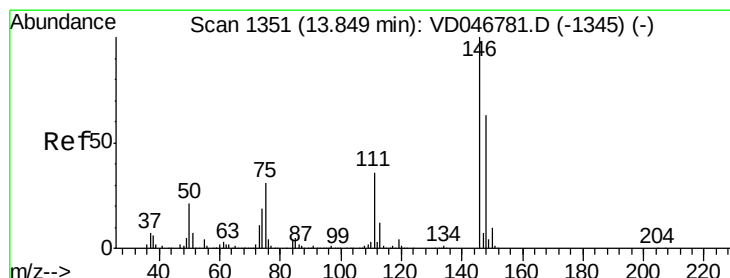
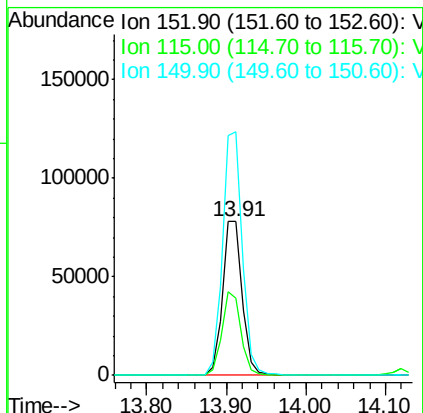
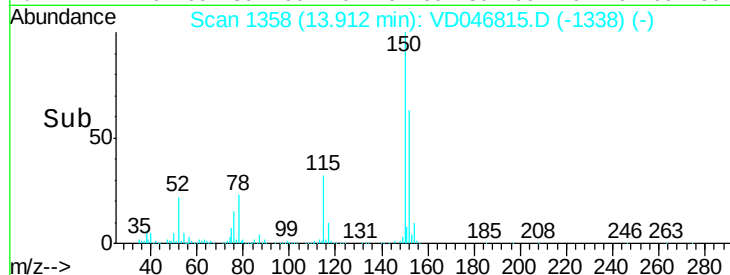
150 158.2 0.0 311.8



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



#87

1,3-Dichlorobenzene

Concen: 1.24 ug/l

RT: 13.83 min Scan# 1350

Delta R.T. -0.02 min

Lab File: VD046815.D

Acq: 21 Sep 2015 18:52

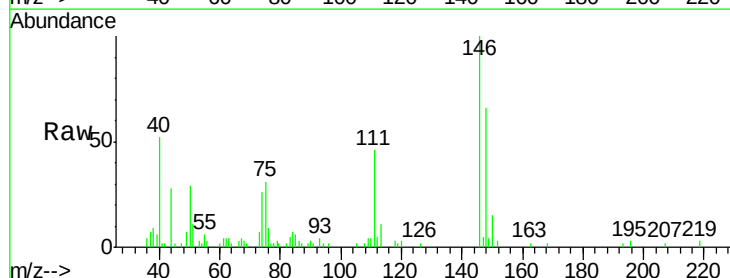
Tgt Ion:146 Resp: 5609

Ion Ratio Lower Upper

146 100

111 46.0 17.4 52.2

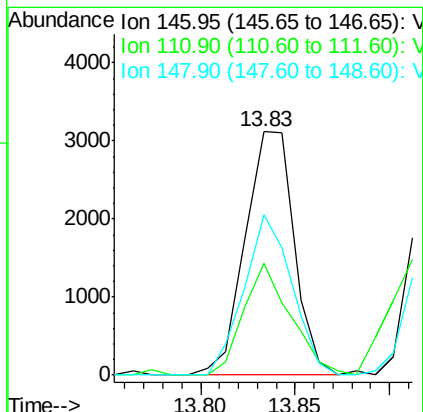
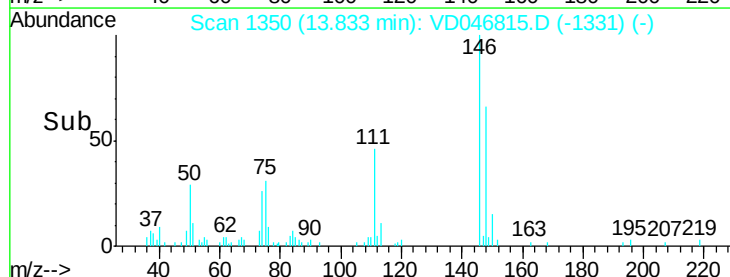
148 65.9 33.0 99.0

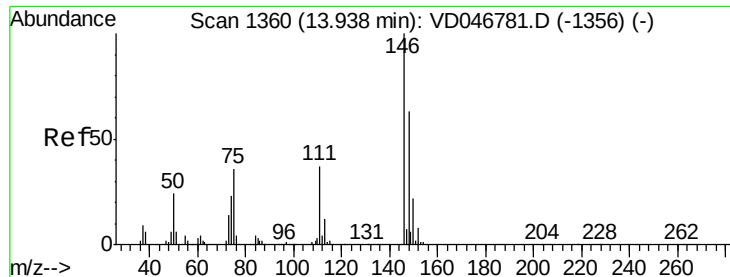


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.20 ug/l

RT: 13.93 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VD046815.D

Acq: 21 Sep 2015 18:52

Instrument :

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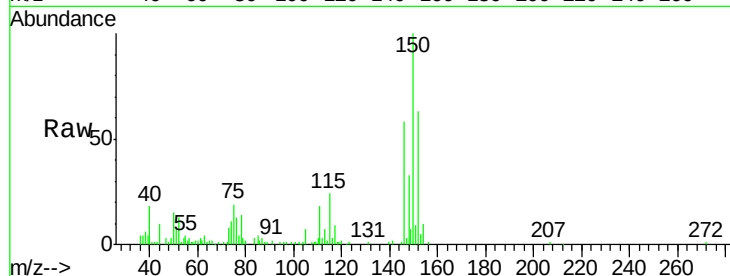
Tot Ion:146 Resp: 9878

Ion Ratio Lower Upper

146 100

111 31.9 17.0 51.0

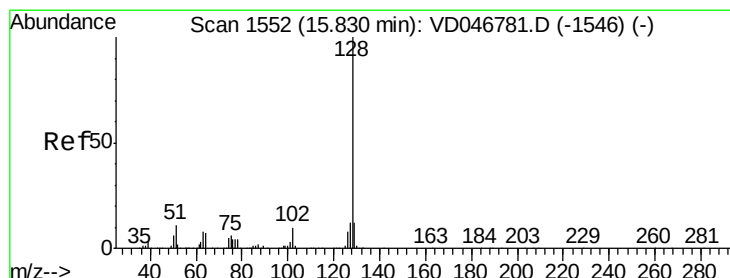
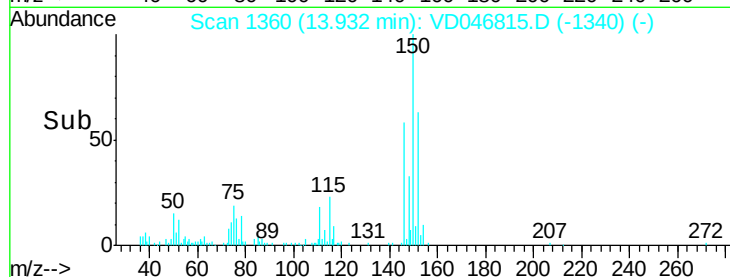
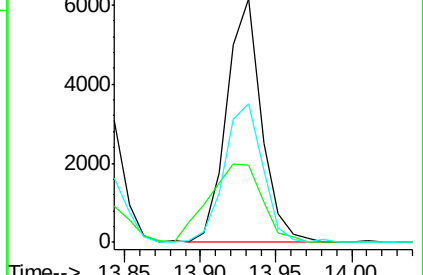
148 56.9 31.9 95.7



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



#95

Naphthalene

Concen: 64.20 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046815.D

Acq: 21 Sep 2015 18:52

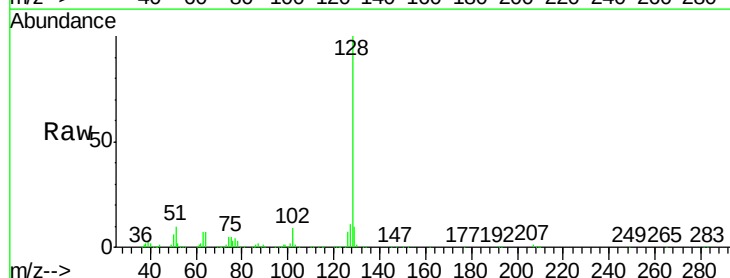
Tgt Ion:128 Resp: 187907

Ion Ratio Lower Upper

128 100

127 11.5 9.8 14.6

129 10.1 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

