

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059428.D
 Acq On : 26 Jun 2018 17:20
 Operator : VA/AP
 Sample : J3667-01
 Misc : 5.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-PAINT-CHIP

Quant Time: Jun 27 07:06:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	138491	50.00	µg/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	224488	50.00	µg/l	-0.02
63) Chlorobenzene-d5	10.68	117	69165	50.00	µg/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	12389	50.00	µg/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	149042	105.23	µg/l	-0.02
Spiked Amount				50.000		
			Recovery	=	210.46%	
35) Dibromofluoromethane	5.54	113	85151	46.57	µg/l	-0.02
Spiked Amount				50.000		
			Recovery	=	93.14%	
50) Toluene-d8	8.69	98	80206	18.76	µg/l	-0.03
Spiked Amount				50.000		
			Recovery	=	37.52%	
62) 4-Bromofluorobenzene	11.92	95	15584	8.76	µg/l	-0.02
Spiked Amount				50.000		
			Recovery	=	17.52%	

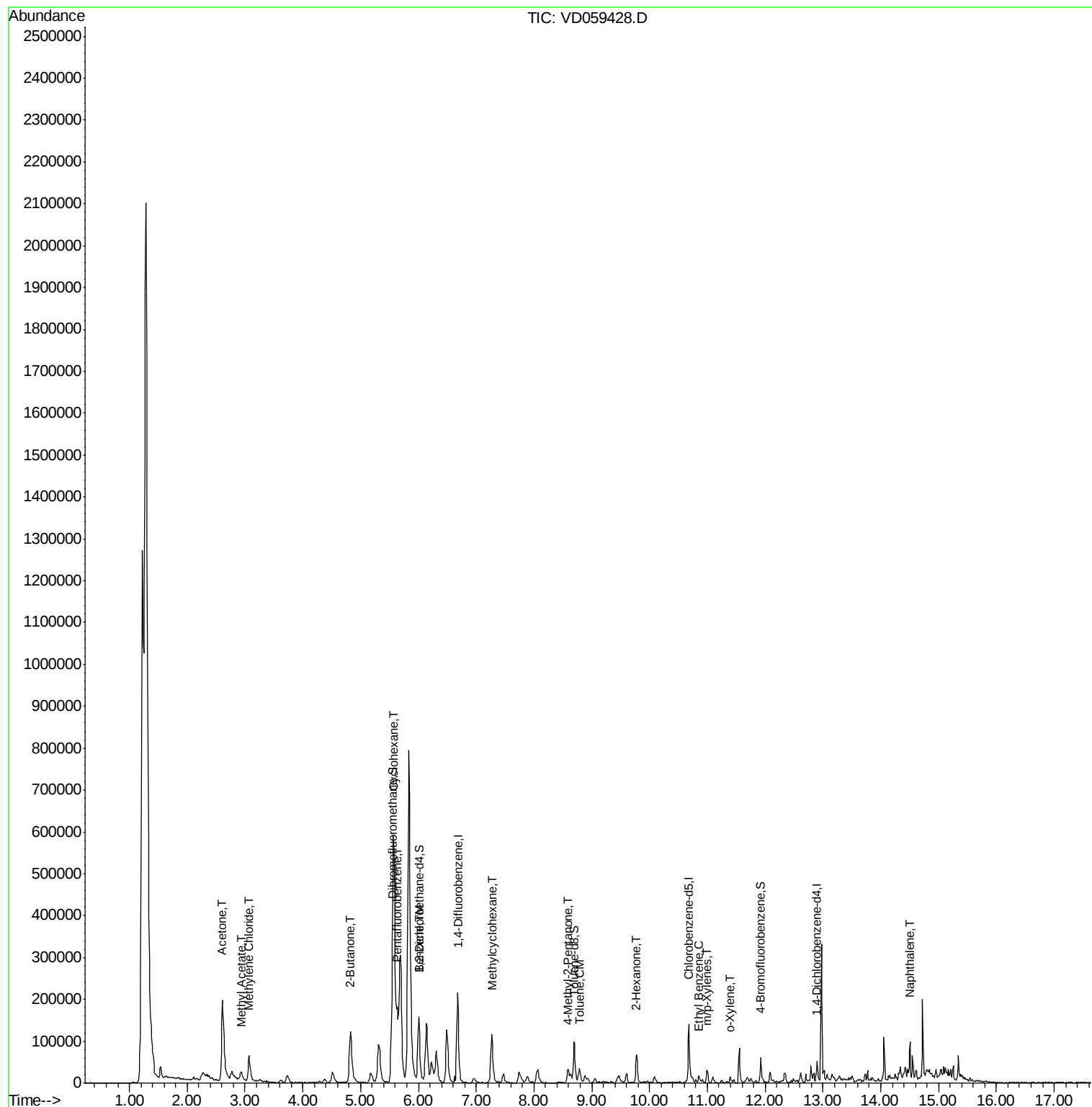
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	429150	2400.90	µg/l	96
18) Methyl Acetate	2.93	43	41150	100.58	µg/l	94
20) Methylene Chloride	3.07	84	33866	69.28	µg/l	91
25) 2-Butanone	4.82	43	249351	665.94	µg/l	98
31) Cyclohexane	5.57	56	128844	89.94	µg/l #	42
39) Methylcyclohexane	7.26	83	15386	7.97	µg/l	94
40) Benzene	6.00	78	18328	3.75	µg/l #	90
51) 4-Methyl-2-Pentanone	8.59	43	37238	35.88	µg/l	97
52) Toluene	8.79	92	13776	4.72	µg/l	76
59) 2-Hexanone	9.77	43	60333	81.80	µg/l	95
67) Ethyl Benzene	10.85	91	9904	4.64	µg/l #	89
68) m/p-Xylenes	11.00	106	8658	12.23	µg/l	91
69) o-Xylene	11.40	106	3963	5.66	µg/l	88
95) Naphthalene	14.51	128	42831	108.30	µg/l	99

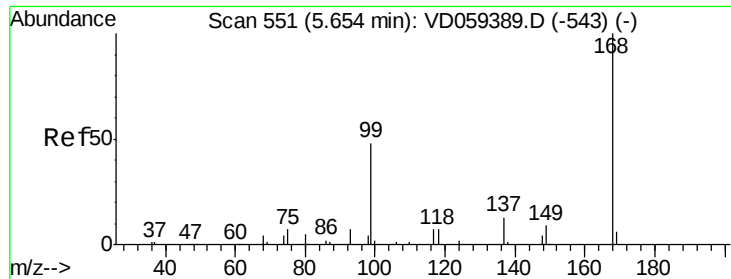
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
Data File : VD059428.D
Acq On : 26 Jun 2018 17:20
Operator : VA/AP
Sample : J3667-01
Misc : 5.05g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CS-PAINT-CHIP

Quant Time: Jun 27 07:06:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

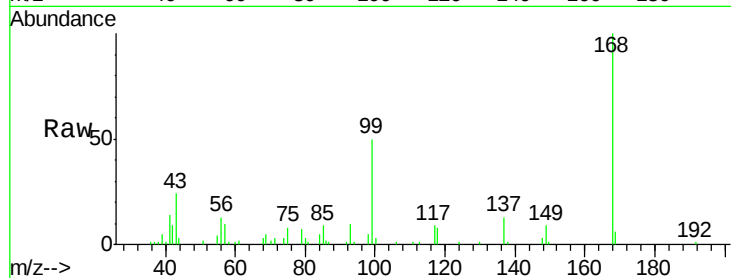
CS-PAINT-CHIP

Tot Ion:168 Resp: 138491

Ion Ratio Lower Upper

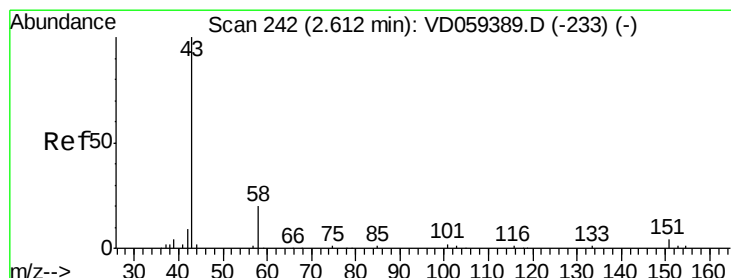
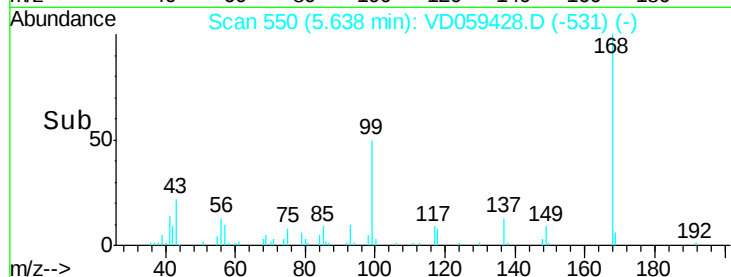
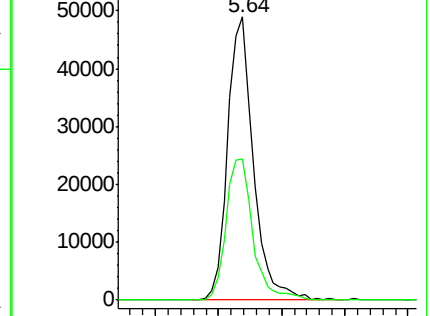
168 100

99 50.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 2400.90 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059428.D

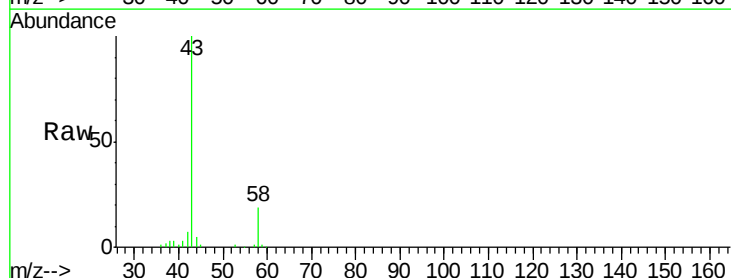
Acq: 26 Jun 2018 17:20

Tgt Ion: 43 Resp: 429150

Ion Ratio Lower Upper

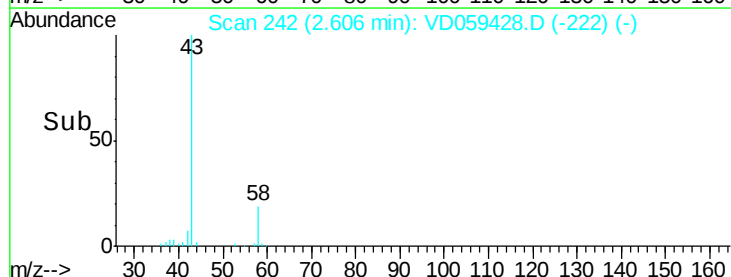
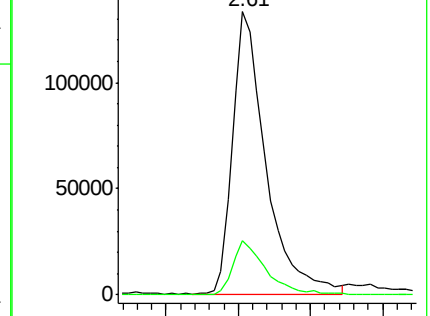
43 100

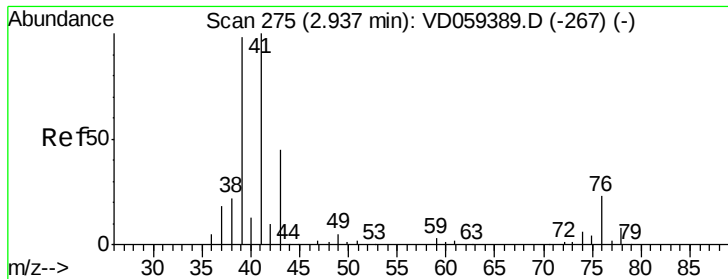
58 19.1 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

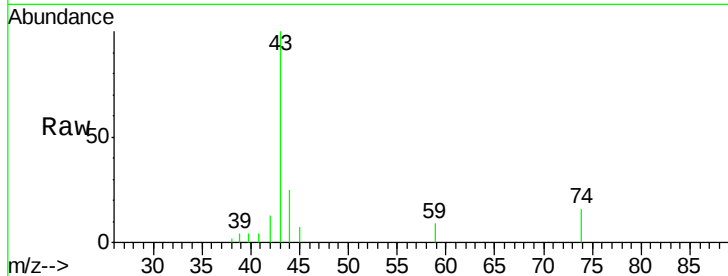




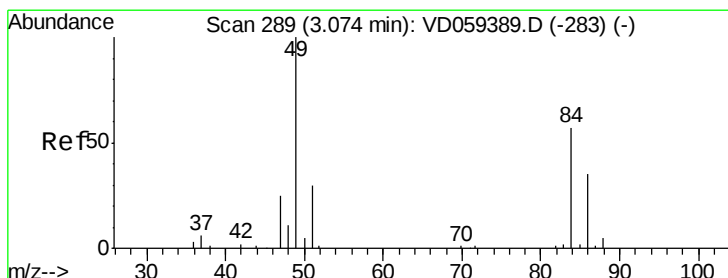
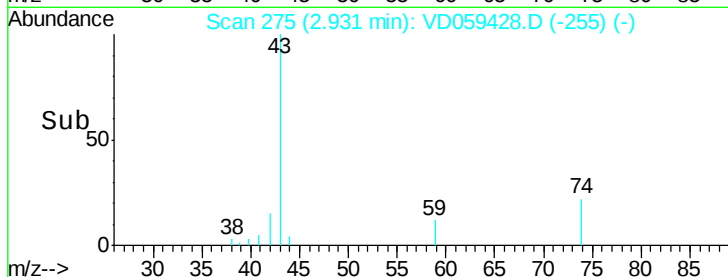
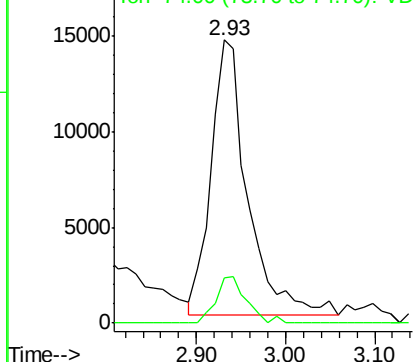
#18
Methyl Acetate
Concen: 100.58 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampleId :
CS-PAINT-CHIP

Tot Ion: 43 Resp: 41150
Ion Ratio Lower Upper
43 100
74 15.9 11.0 16.4

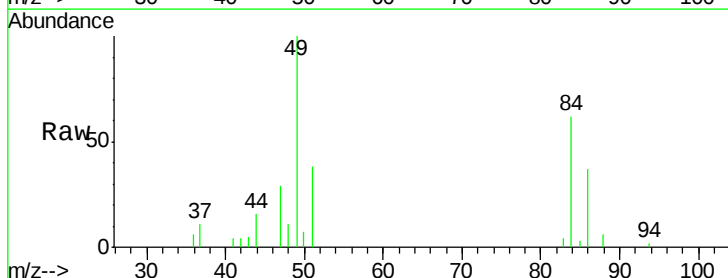


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

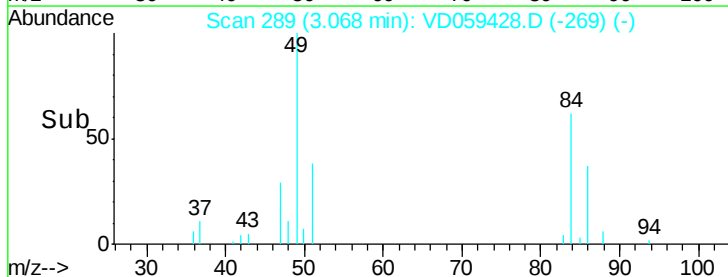
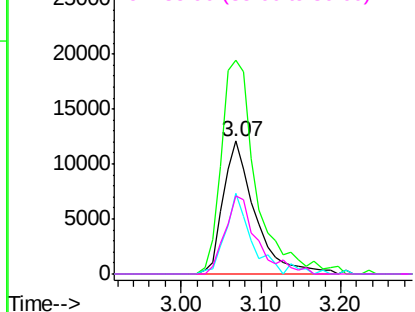


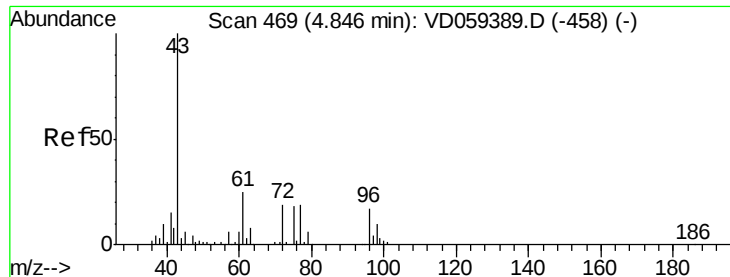
#20
Methylene Chloride
Concen: 69.28 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion: 84 Resp: 33866
Ion Ratio Lower Upper
84 100
49 161.0 140.3 210.5
51 60.8 41.6 62.4
86 59.4 49.4 74.2



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 665.94 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

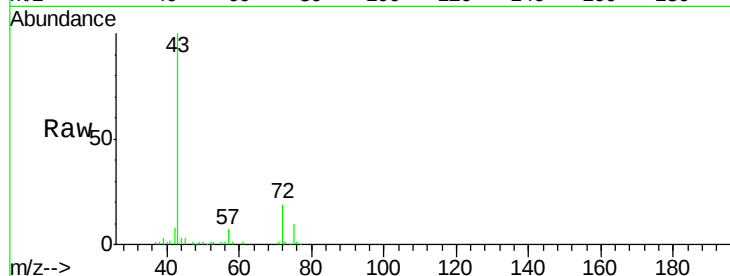
CS-PAINT-CHIP

Tot Ion: 43 Resp: 249351

Ion Ratio Lower Upper

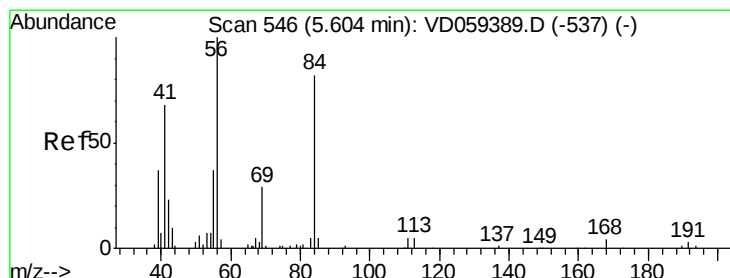
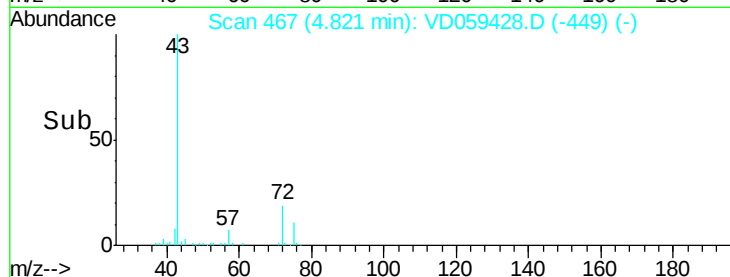
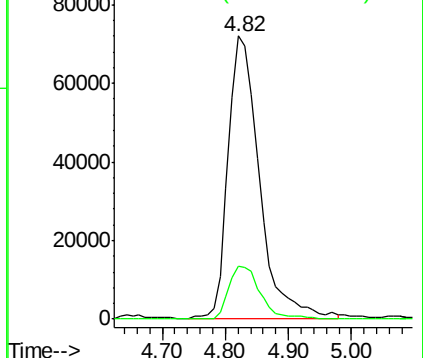
43 100

72 18.6 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 89.94 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.04 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

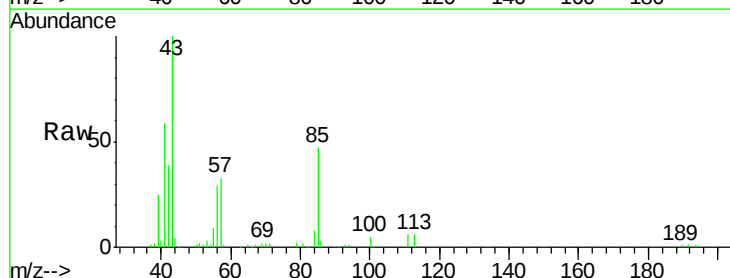
Tgt Ion: 56 Resp: 128844

Ion Ratio Lower Upper

56 100

69 6.6 22.9 34.3#

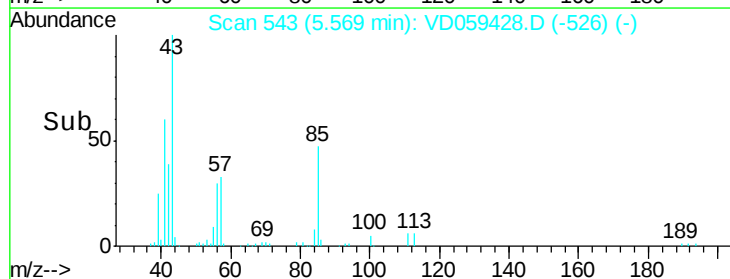
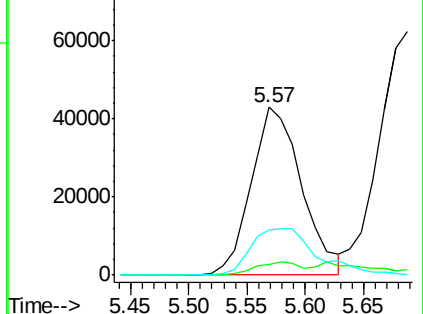
84 26.8 67.3 100.9#

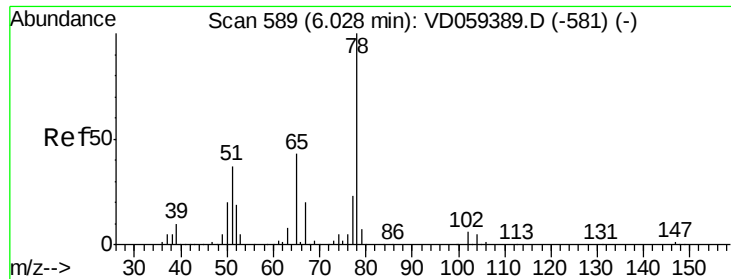


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

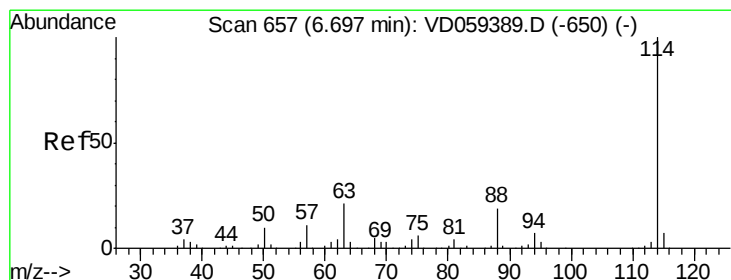
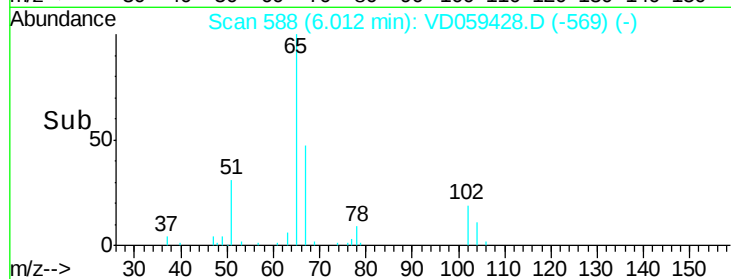
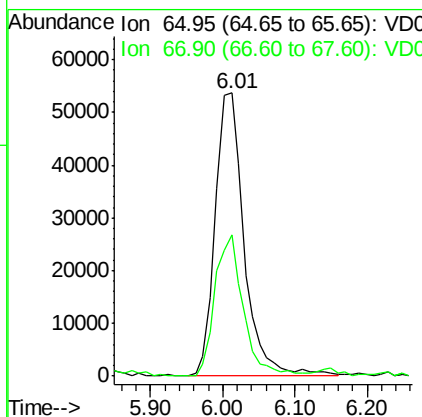
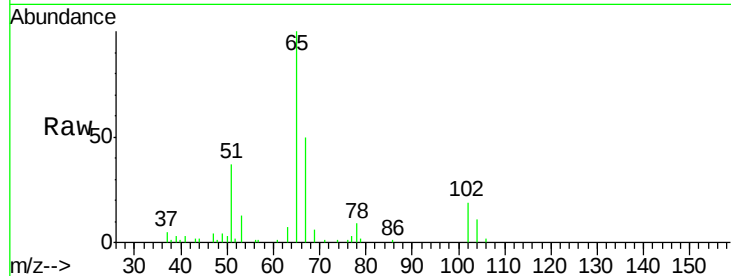




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.02 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

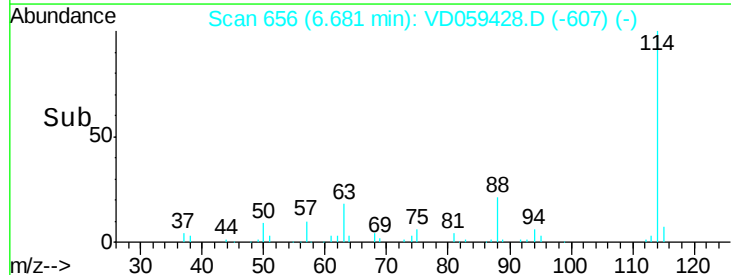
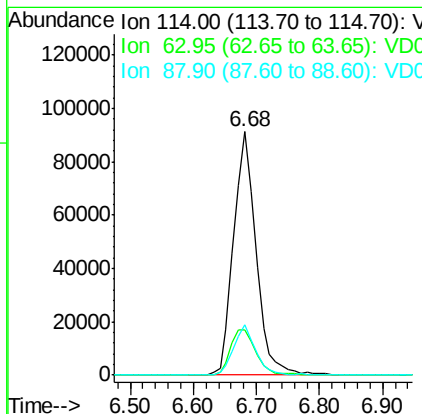
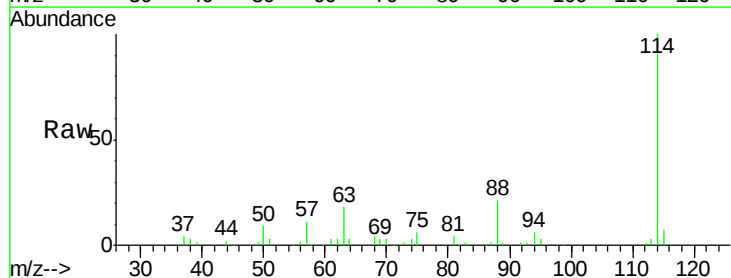
Instrument :
 MSVOA_D
 ClientSampleId :
 CS-PAINT-CHIP

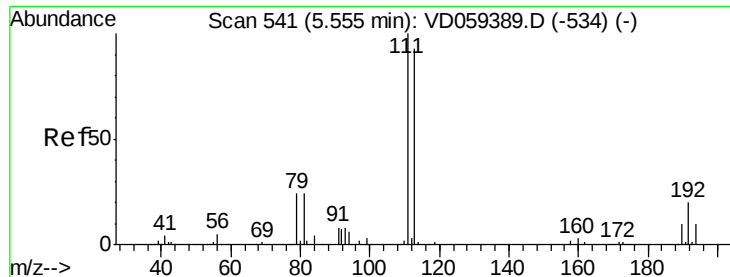
Tot Ion: 65 Resp: 149042
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

Tgt Ion: 114 Resp: 224488
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 42.4
 88 20.7 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

CS-PAINT-CHIP

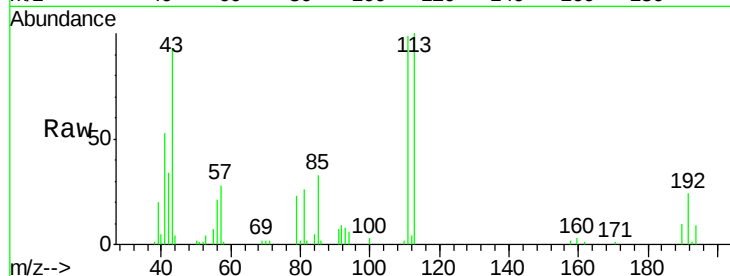
Tot Ion:113 Resp: 85151

Ion Ratio Lower Upper

113 100

111 99.3 85.7 128.5

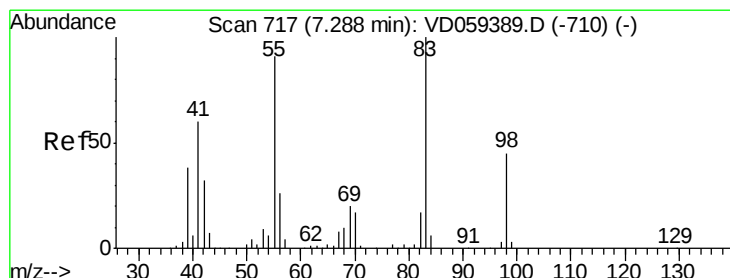
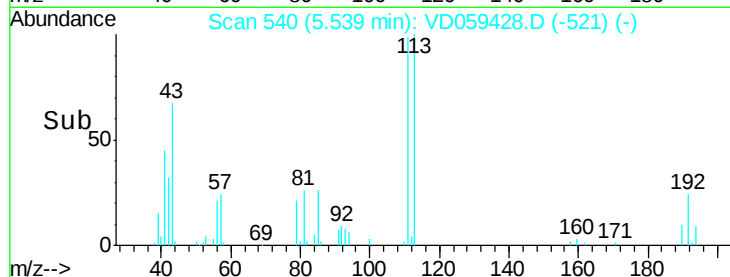
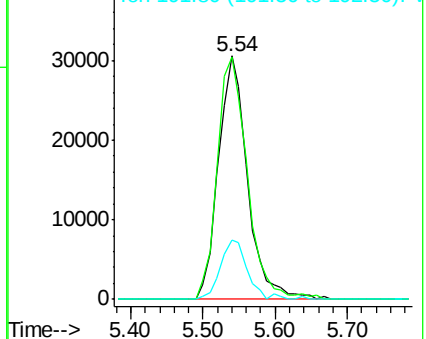
192 24.5 16.9 25.3



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



#39

Methylcyclohexane

Concen: 7.97 ug/l

RT: 7.26 min Scan# 715

Delta R.T. -0.03 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

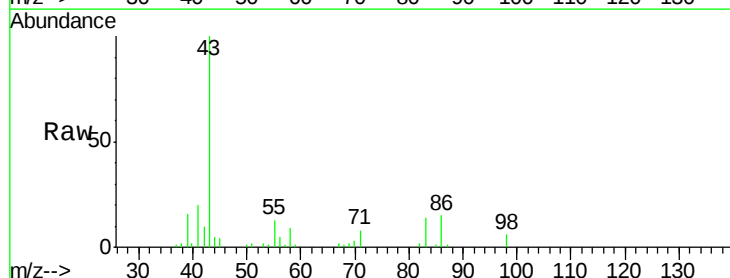
Tgt Ion: 83 Resp: 15386

Ion Ratio Lower Upper

83 100

55 97.4 72.6 109.0

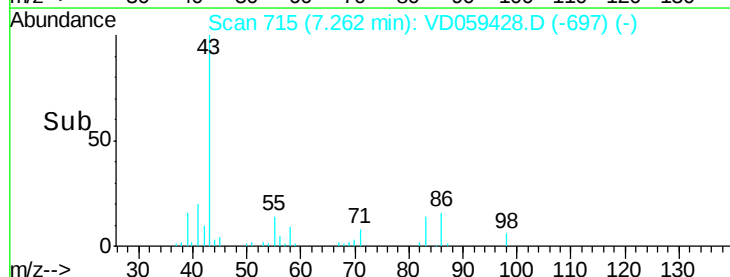
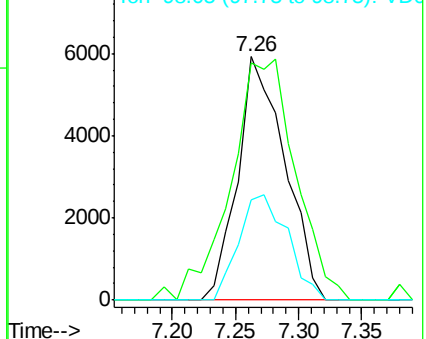
98 41.1 35.8 53.6

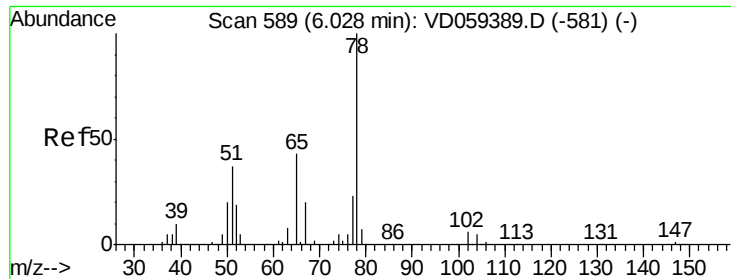


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 3.75 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

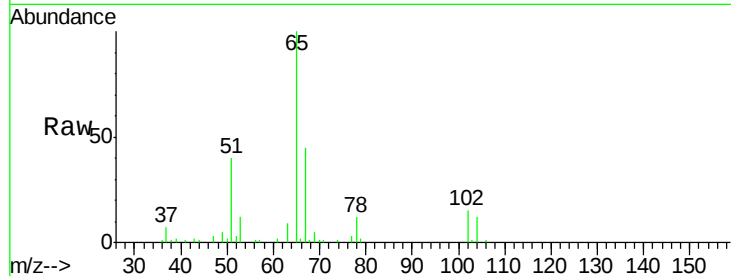
CS-PAINT-CHIP

Tot Ion: 78 Resp: 18328

Ion Ratio Lower Upper

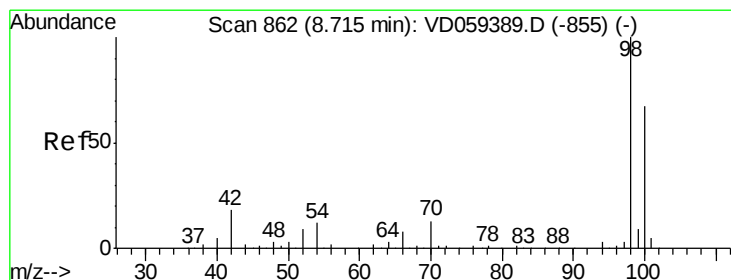
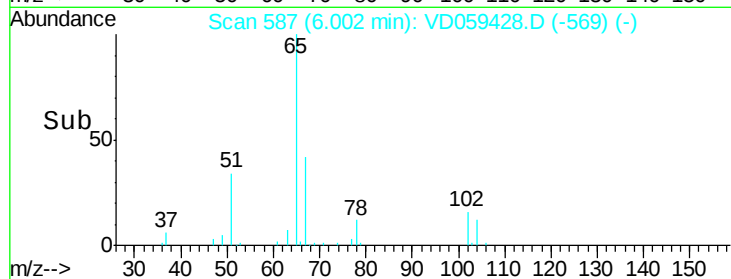
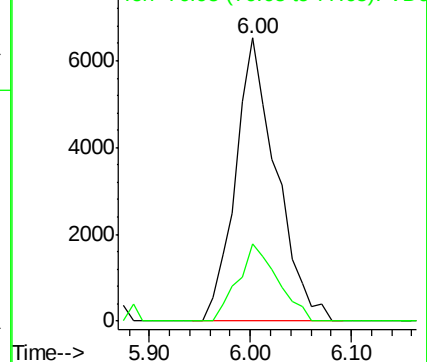
78 100

77 27.4 18.1 27.1#



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.03 min

Lab File: VD059428.D

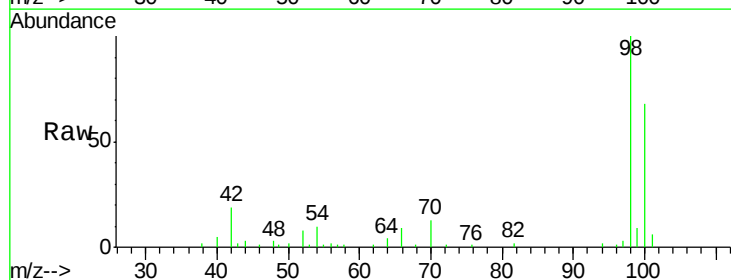
Acq: 26 Jun 2018 17:20

Tgt Ion: 98 Resp: 80206

Ion Ratio Lower Upper

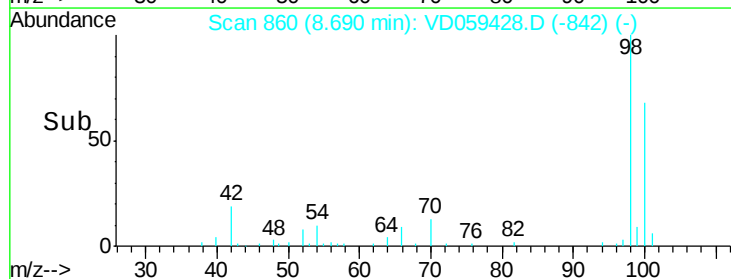
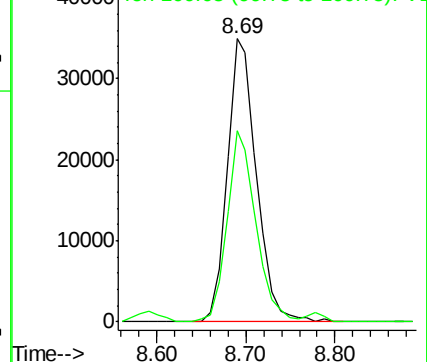
98 100

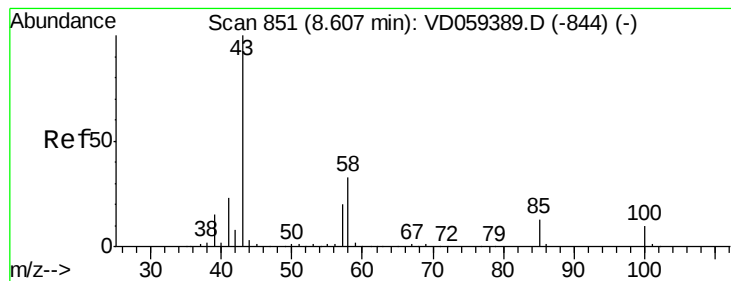
100 67.5 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 35.88 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

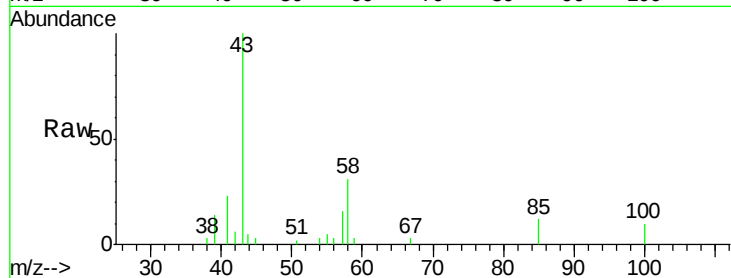
CS-PAINT-CHIP

Tot Ion: 43 Resp: 37238

Ion Ratio Lower Upper

43 100

58 31.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

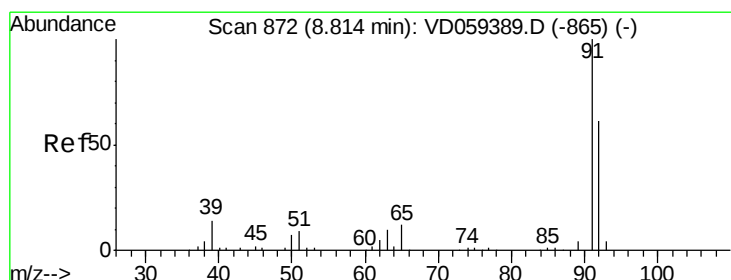
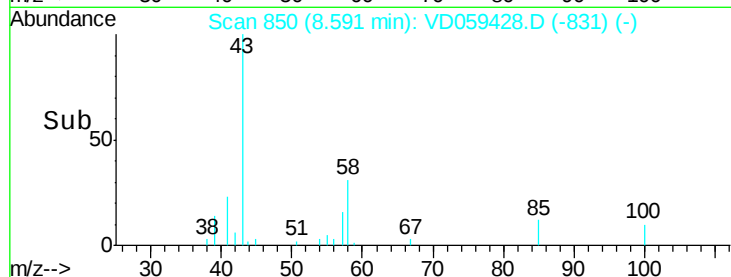
15000

10000

5000

0

Time-->



#52

Toluene

Concen: 4.72 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD059428.D

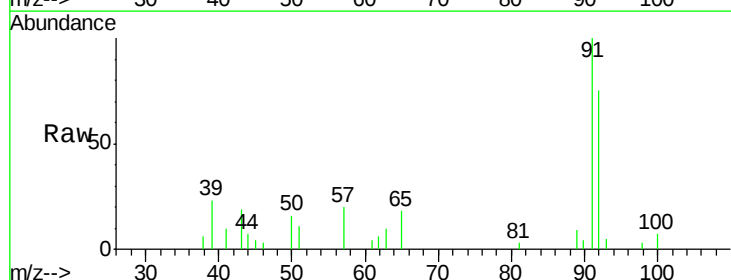
Acq: 26 Jun 2018 17:20

Tgt Ion: 92 Resp: 13776

Ion Ratio Lower Upper

92 100

91 132.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.79

10000

8000

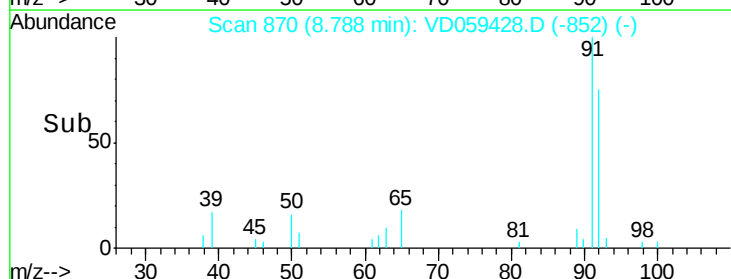
6000

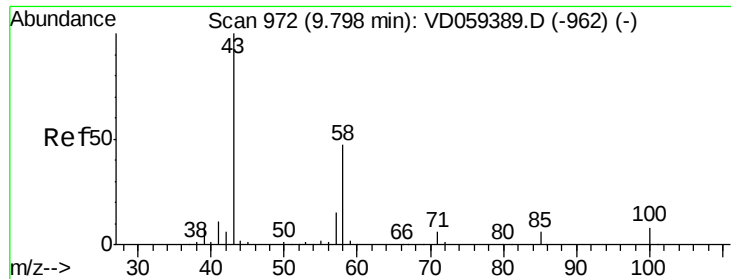
4000

2000

0

Time-->

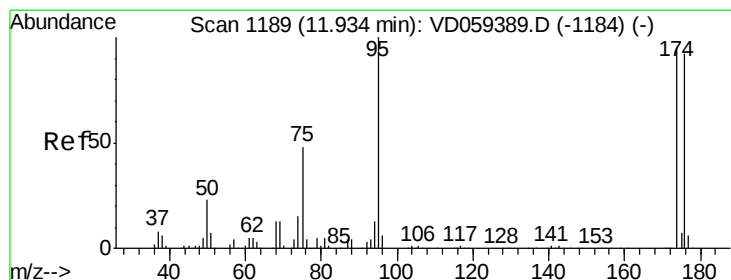
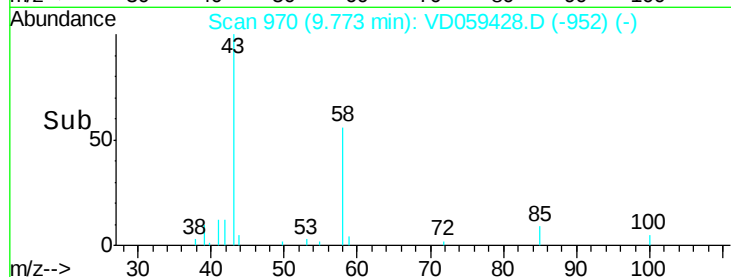
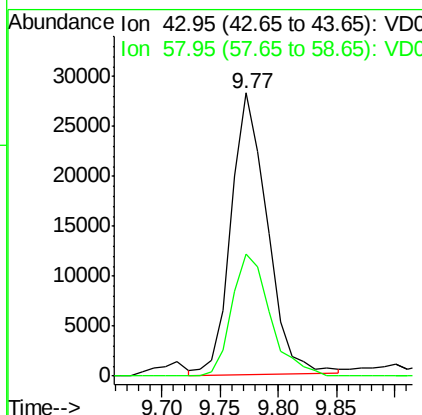
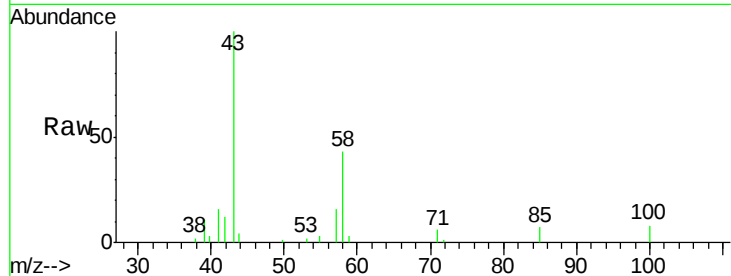




#59
2-Hexanone
Concen: 81.80 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.03 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

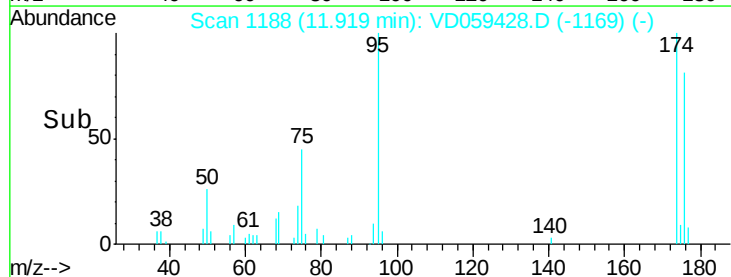
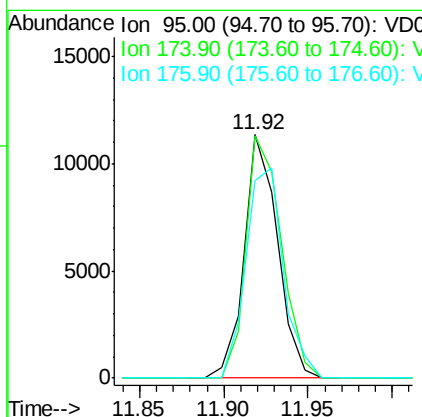
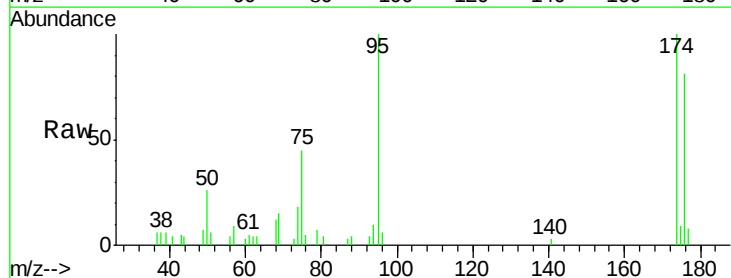
Instrument :
MSVOA_D
ClientSampleId :
CS-PAINT-CHIP

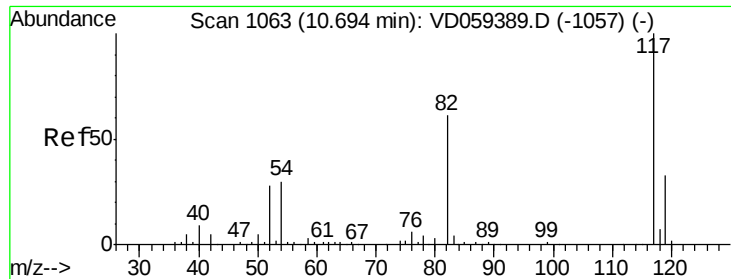
Tot Ion: 43 Resp: 60333
Ion Ratio Lower Upper
43 100
58 43.2 23.3 69.9



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion: 95 Resp: 15584
Ion Ratio Lower Upper
95 100
174 99.5 0.0 190.4
176 81.0 0.0 183.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

CS-PAINT-CHIP

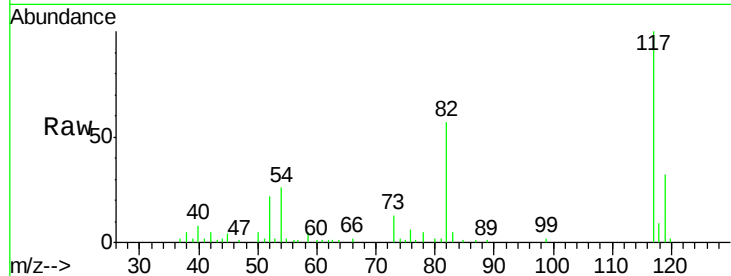
Tot Ion:117 Resp: 69165

Ion Ratio Lower Upper

117 100

82 56.9 49.0 73.6

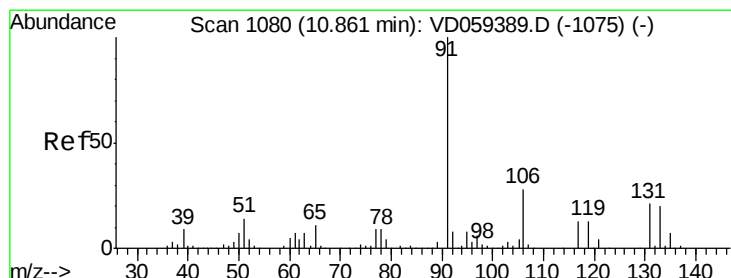
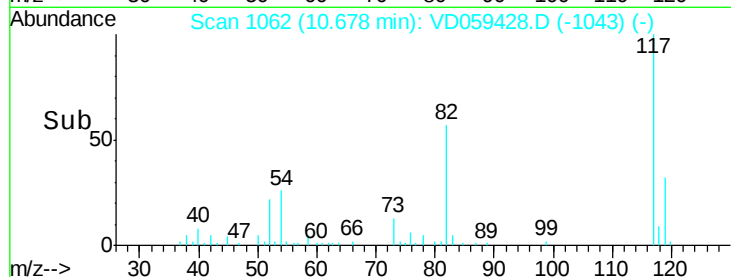
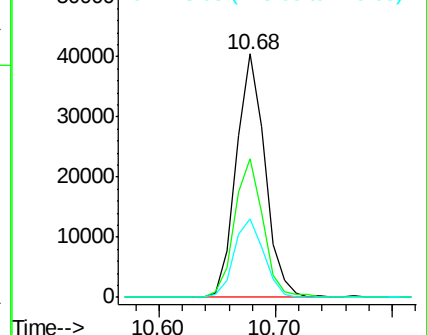
119 32.0 26.2 39.4



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



#67

Ethyl Benzene

Concen: 4.64 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VD059428.D

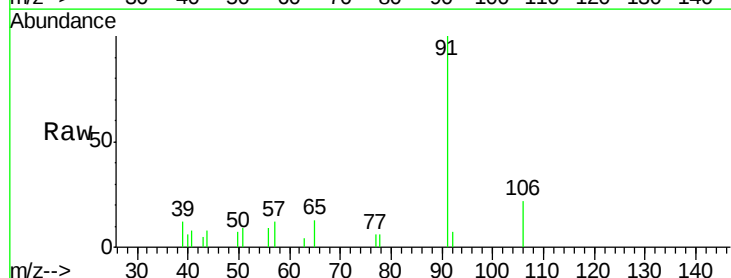
Acq: 26 Jun 2018 17:20

Tgt Ion: 91 Resp: 9904

Ion Ratio Lower Upper

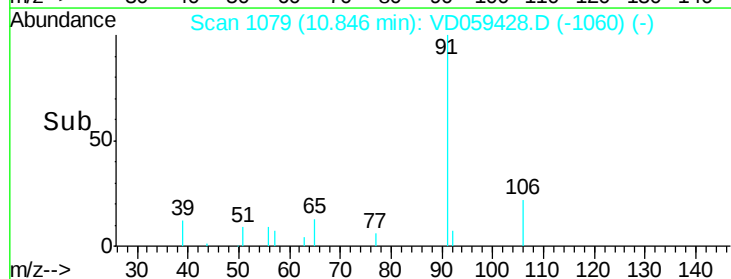
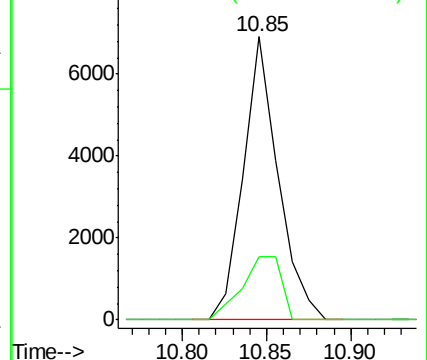
91 100

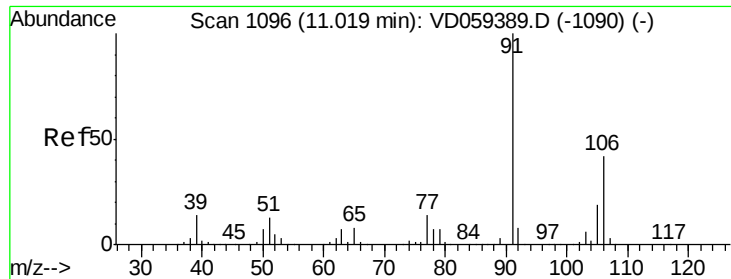
106 22.2 22.3 33.5#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

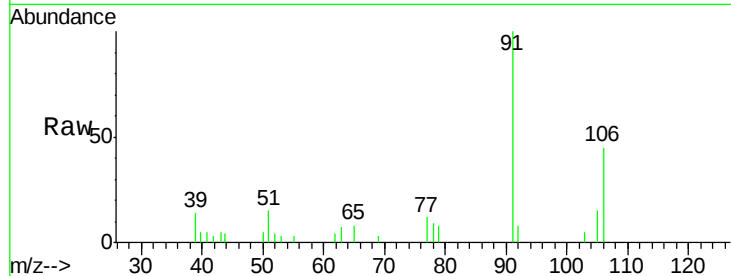




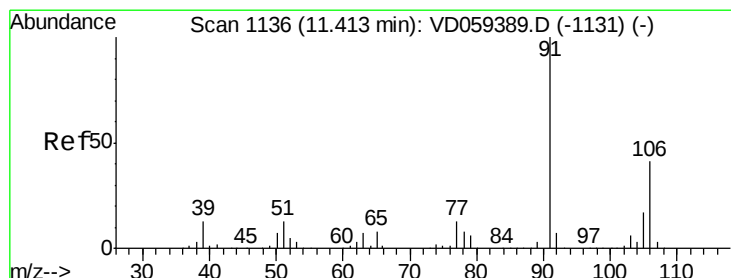
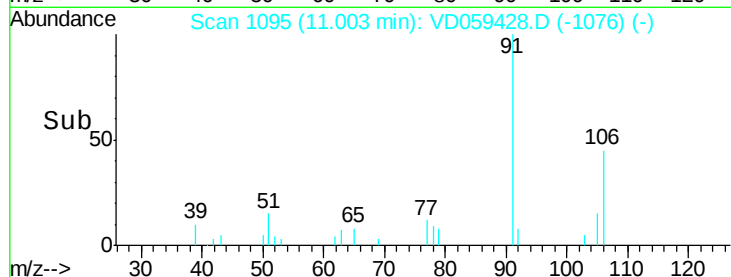
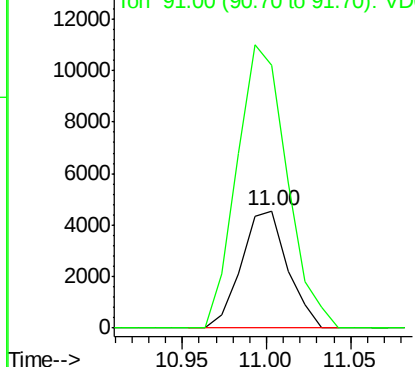
#68
m/p-Xylenes
Concen: 12.23 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampleId :
CS-PAINT-CHIP

Tot Ion:106 Resp: 8658
Ion Ratio Lower Upper
106 100
91 224.3 191.0 286.6

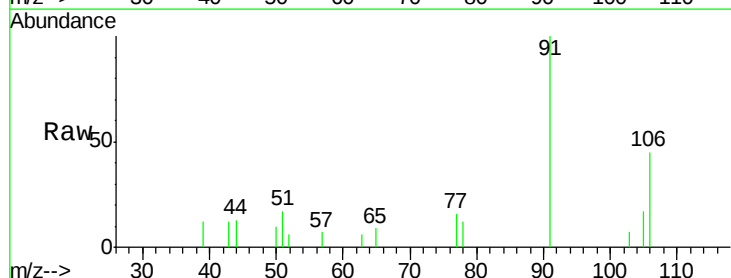


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

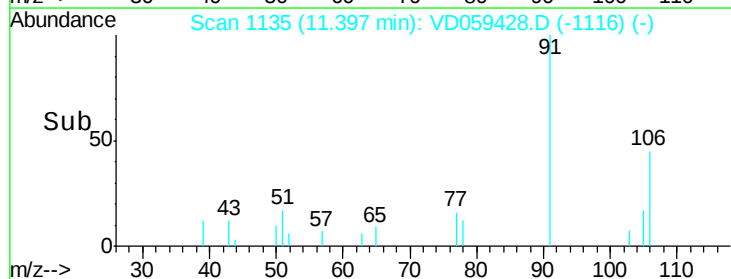
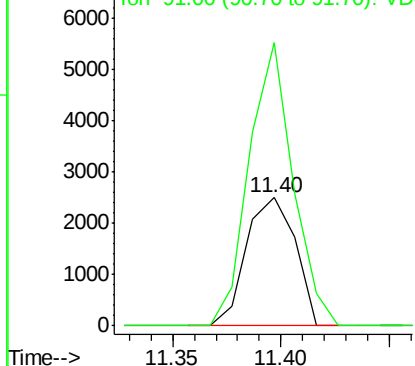


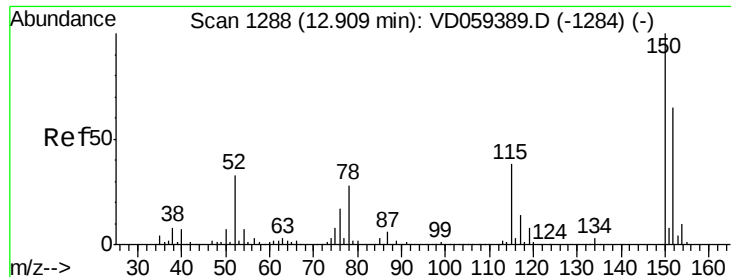
#69
o-Xylene
Concen: 5.66 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion:106 Resp: 3963
Ion Ratio Lower Upper
106 100
91 220.6 121.0 362.8



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

CS-PAINT-CHIP

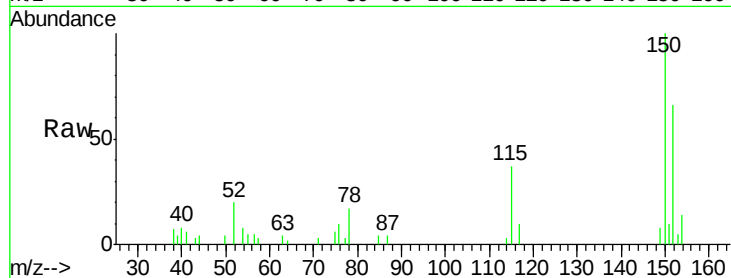
Tot Ion:152 Resp: 12389

Ion Ratio Lower Upper

152 100

115 55.0 29.4 88.3

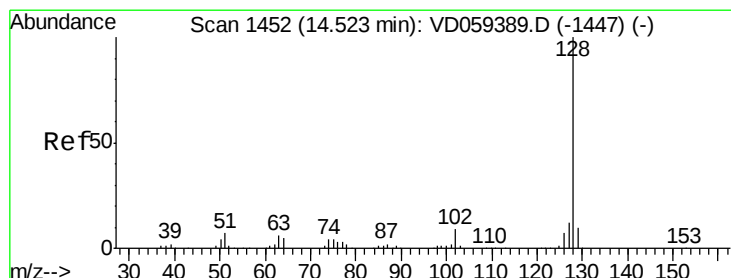
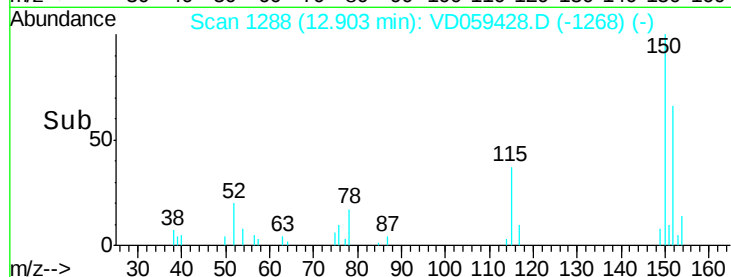
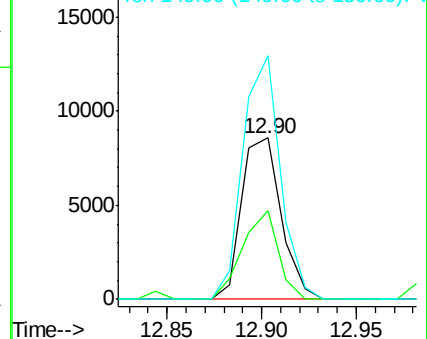
150 150.8 0.0 308.2



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



#95

Naphthalene

Concen: 108.30 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

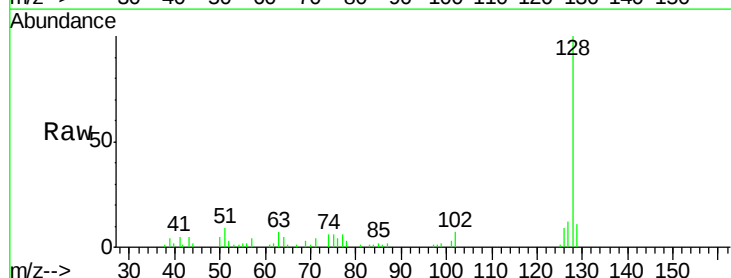
Tgt Ion:128 Resp: 42831

Ion Ratio Lower Upper

128 100

127 11.8 9.6 14.4

129 11.0 8.2 12.2



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

