

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060007.D
 Acq On : 14 Sep 2018 13:50
 Operator : JC/SY
 Sample : J4771-01RE
 Misc : 6.19g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-091218RE

Quant Time: Sep 14 15:15:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1215204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1758694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1313873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	501542	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	475507	50.18	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	100.36%	
35) Dibromofluoromethane	6.30	113	396161	28.83	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	57.66%	
50) Toluene-d8	9.44	98	1470132	38.61	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	77.22%	
62) 4-Bromofluorobenzene	12.42	95	482512	33.17	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	66.34%	

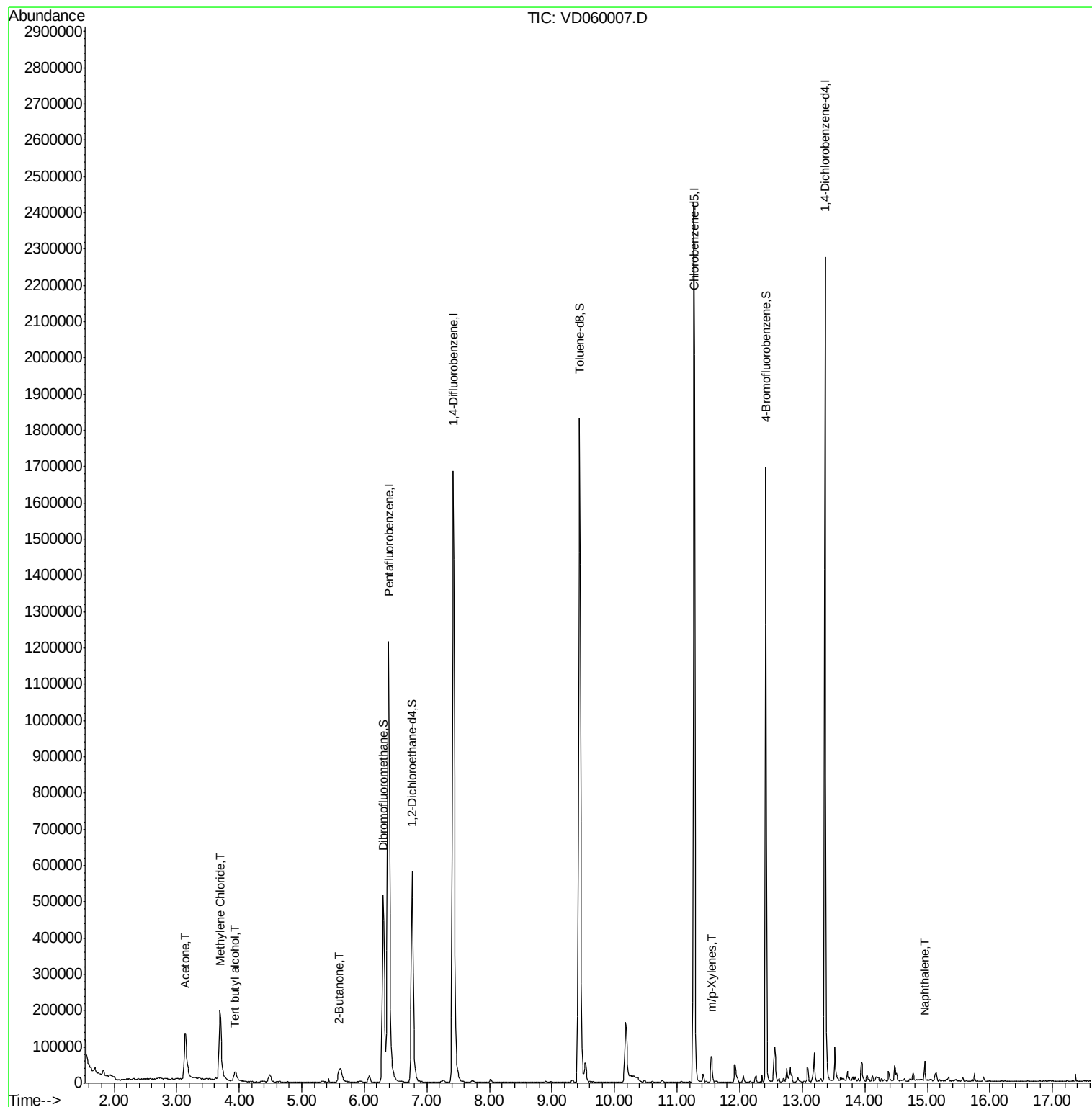
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.94	59	54028	70.66	ug/l	96
16) Acetone	3.14	43	258592	141.33	ug/l	98
20) Methylene Chloride	3.69	84	119722	2.32	ug/l	97
25) 2-Butanone	5.59	43	61658	12.49	ug/l	92
68) m/p-Xylenes	11.55	106	21528	1.28	ug/l	86
95) Naphthalene	14.96	128	33445	1.84	ug/l	98

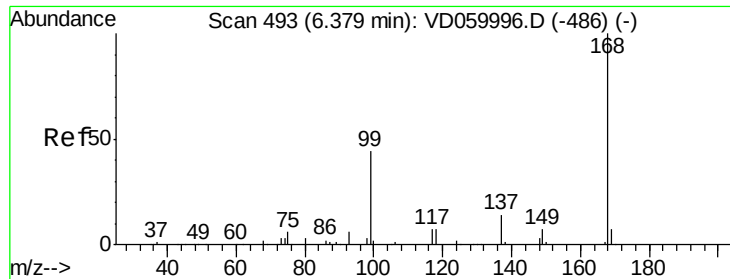
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

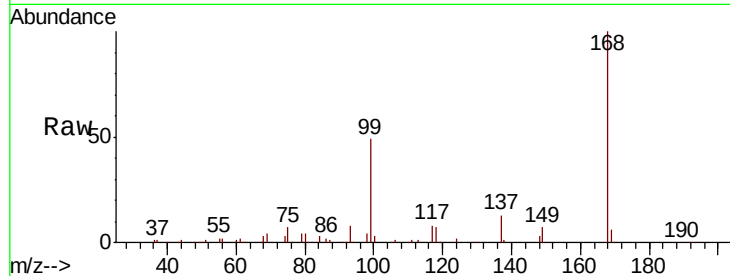
NB-08-091218RE

Tot Ion:168 Resp: 1215204

Ion Ratio Lower Upper

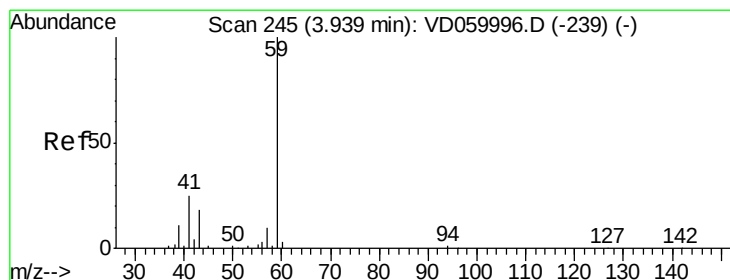
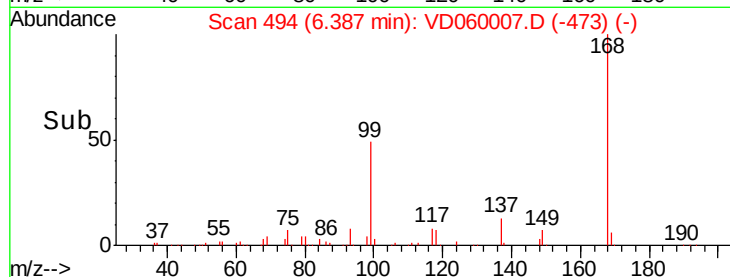
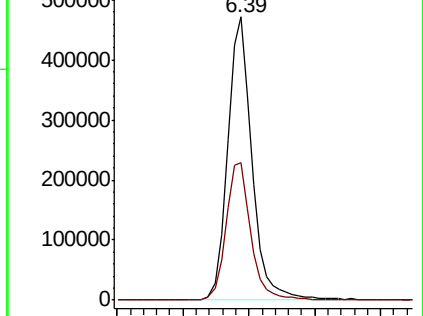
168 100

99 48.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 70.66 ug/l

RT: 3.94 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD060007.D

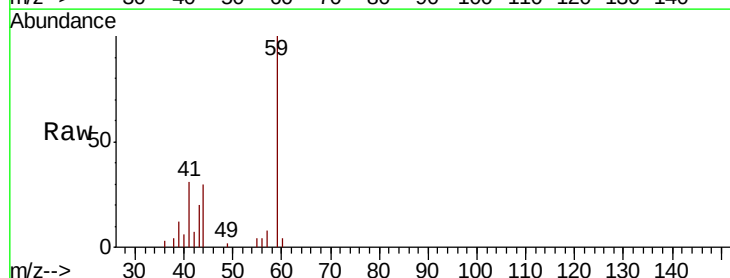
Acq: 14 Sep 2018 13:50

Tgt Ion: 59 Resp: 54028

Ion Ratio Lower Upper

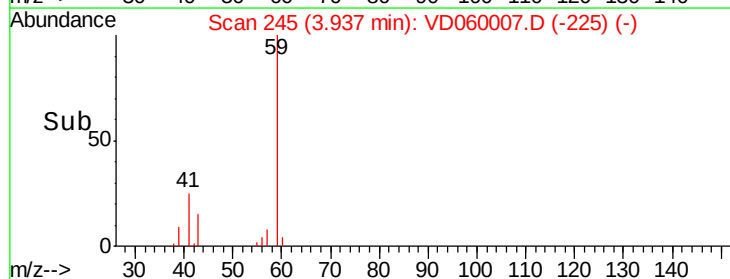
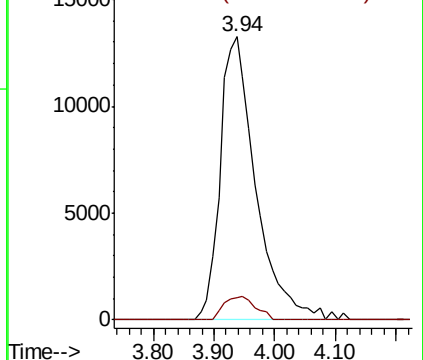
59 100

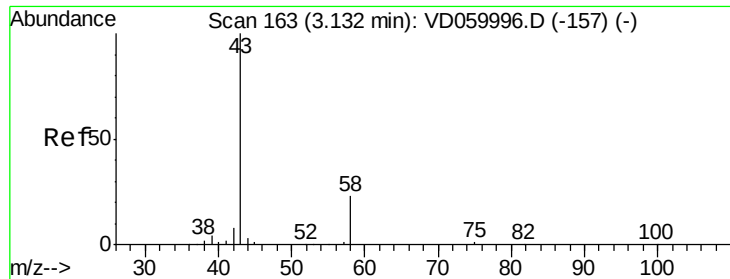
57 7.9 7.4 11.2



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 141.33 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

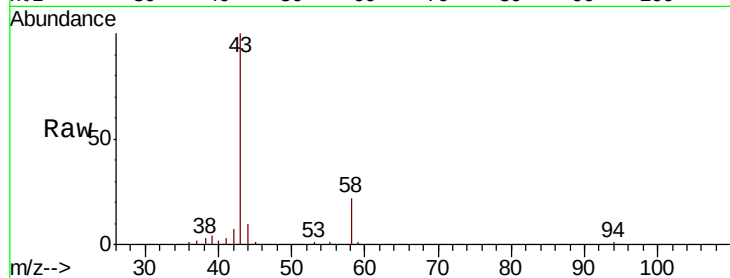
NB-08-091218RE

Tot Ion: 43 Resp: 258592

Ion Ratio Lower Upper

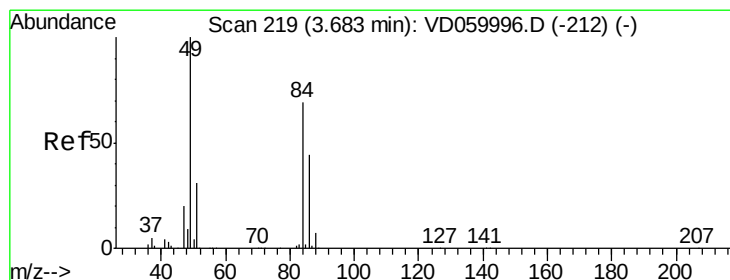
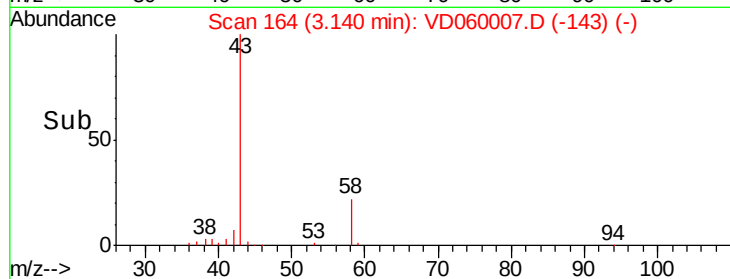
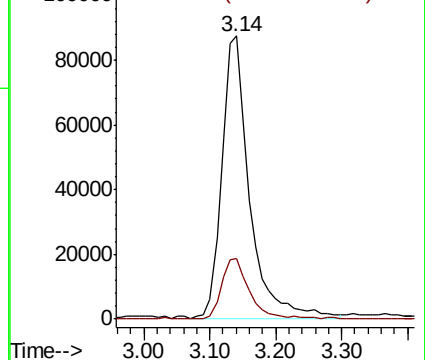
43 100

58 21.5 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.32 ug/l

RT: 3.69 min Scan# 220

Delta R.T. 0.01 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Tgt Ion: 84 Resp: 119722

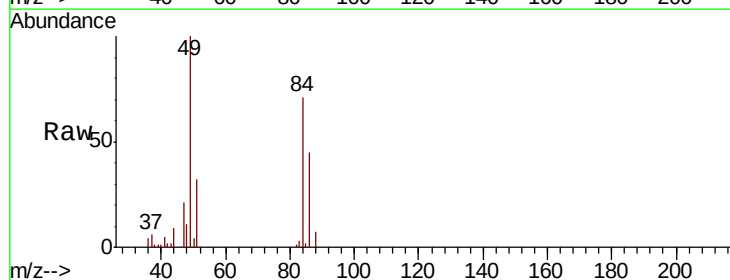
Ion Ratio Lower Upper

84 100

49 140.6 116.6 175.0

51 45.2 35.9 53.9

86 63.0 51.8 77.6

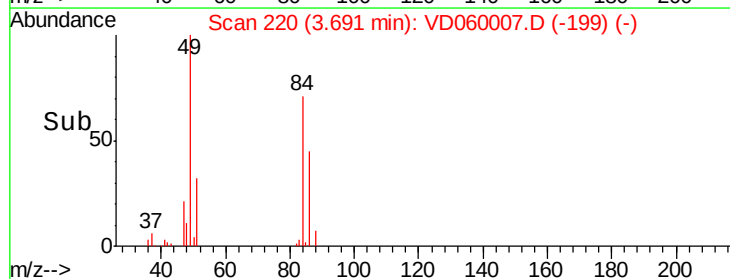
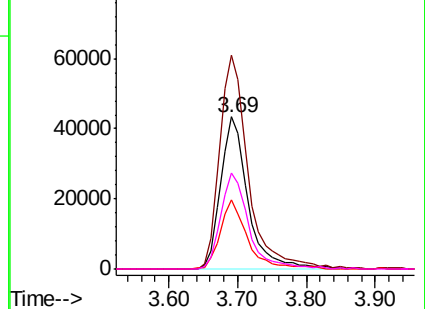


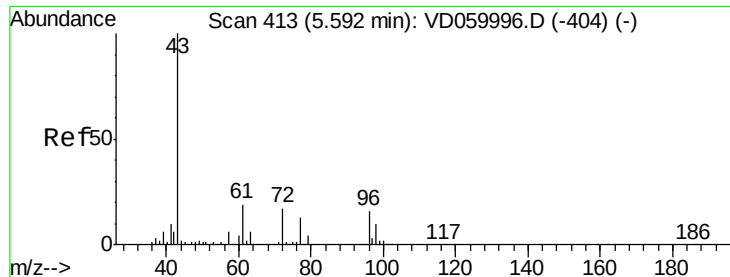
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 12.49 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

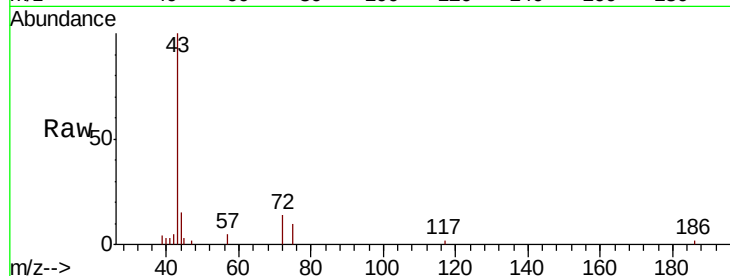
NB-08-091218RE

Tot Ion: 43 Resp: 61658

Ion Ratio Lower Upper

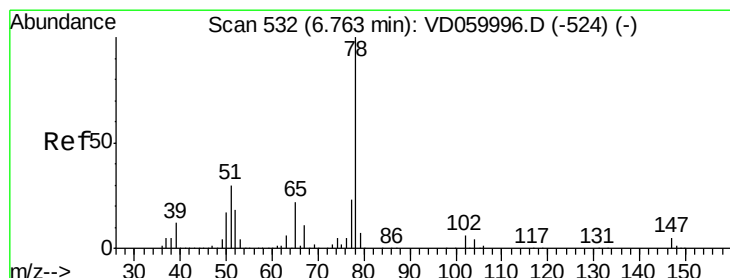
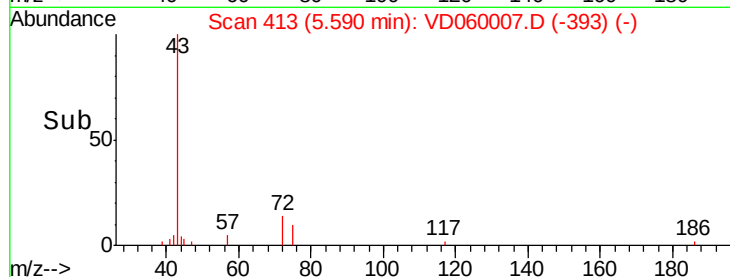
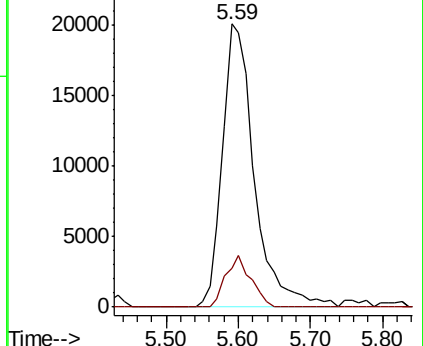
43 100

72 13.6 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060007.D

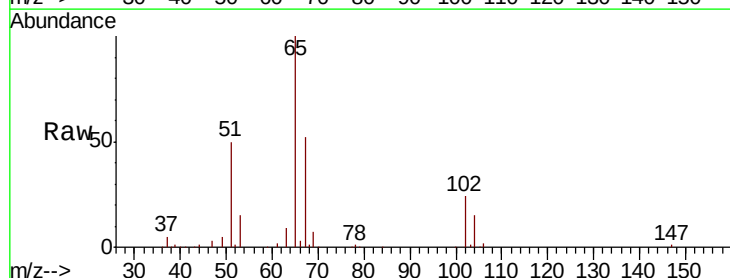
Acq: 14 Sep 2018 13:50

Tgt Ion: 65 Resp: 475507

Ion Ratio Lower Upper

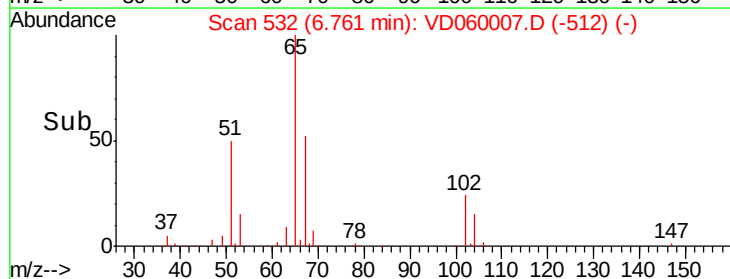
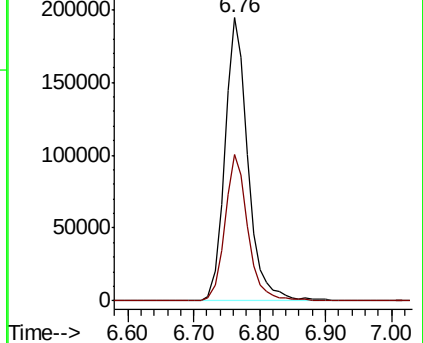
65 100

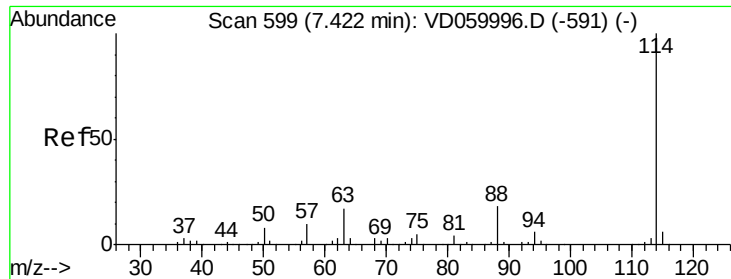
67 51.6 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

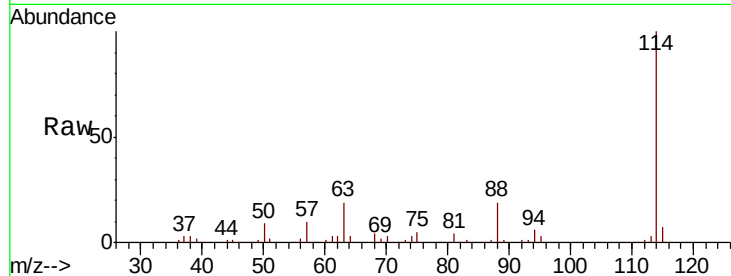




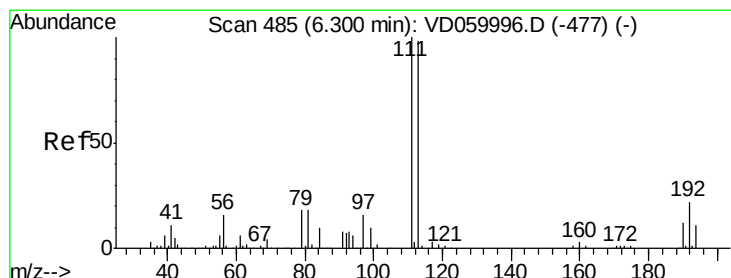
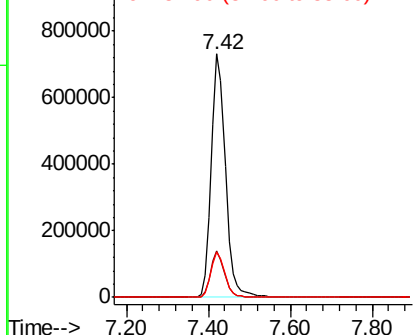
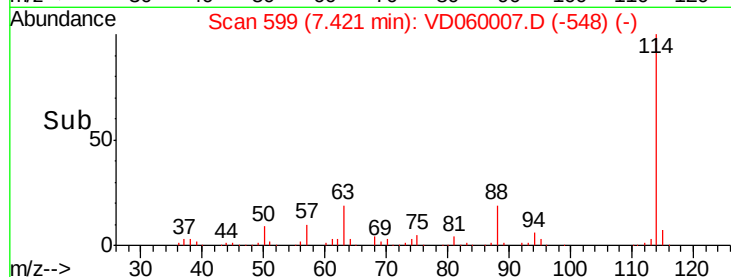
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060007.D
 Acq: 14 Sep 2018 13:50

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-091218RE

Tot Ion:114 Resp: 1758694
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 34.4
 88 18.8 0.0 35.8

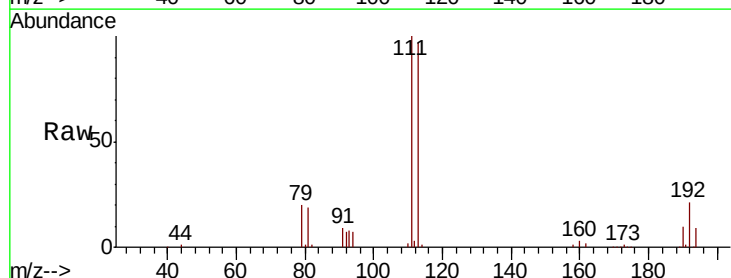


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

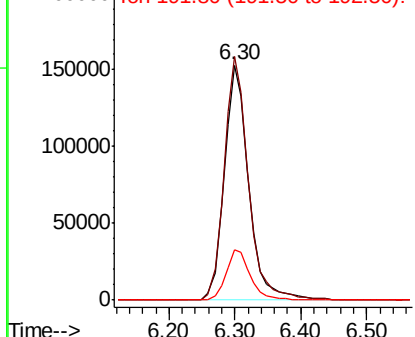
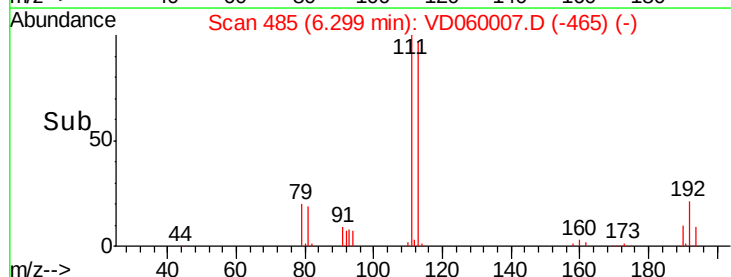


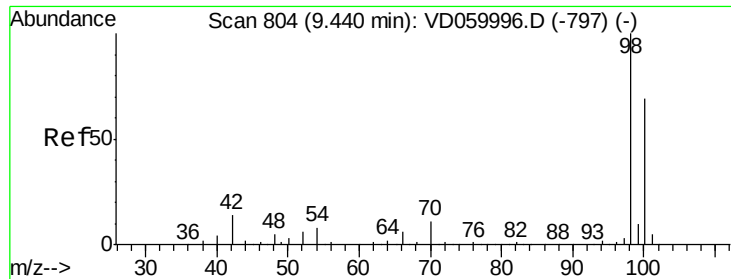
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060007.D
 Acq: 14 Sep 2018 13:50

Tgt Ion:113 Resp: 396161
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.3 121.9
 192 21.3 18.1 27.1



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

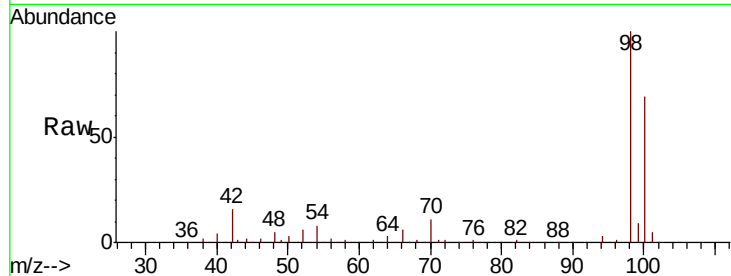




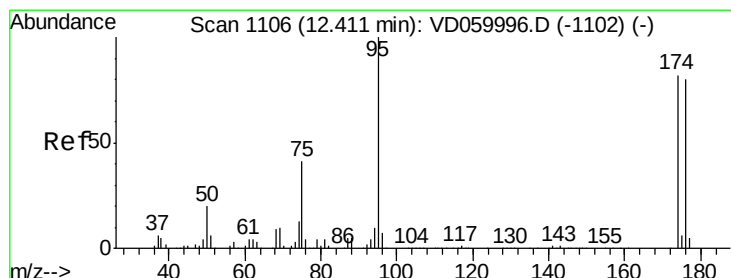
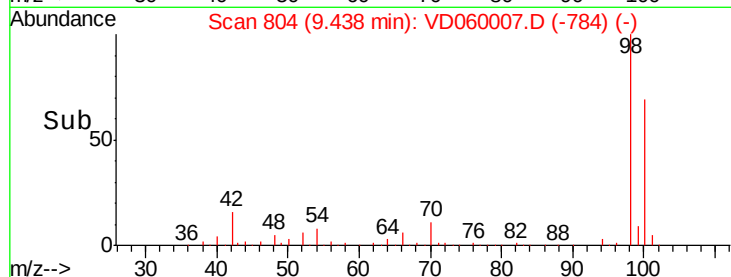
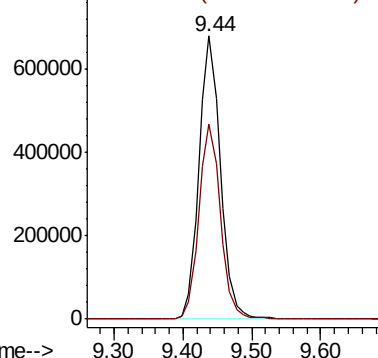
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060007.D
Acq: 14 Sep 2018 13:50

Instrument :
MSVOA_D
ClientSampleId :
NB-08-091218RE

Tot Ion: 98 Resp: 1470132
Ion Ratio Lower Upper
98 100
100 68.9 55.8 83.6

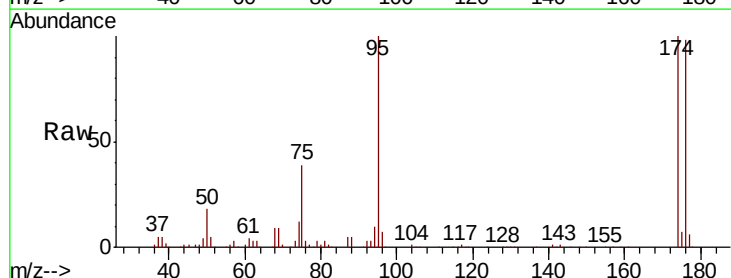


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

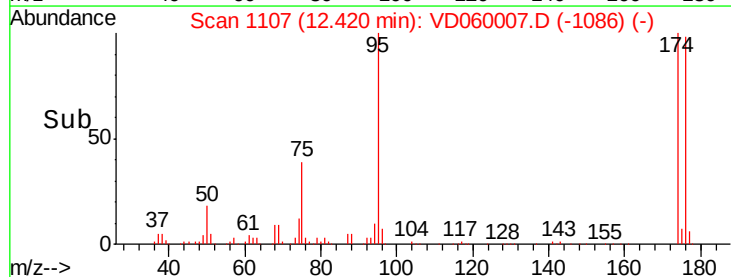
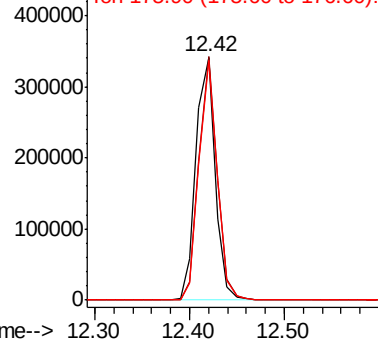


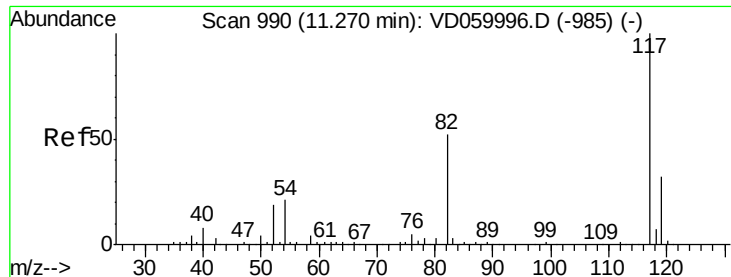
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD060007.D
Acq: 14 Sep 2018 13:50

Tgt Ion: 95 Resp: 482512
Ion Ratio Lower Upper
95 100
174 100.5 0.0 165.0
176 98.9 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

NB-08-091218RE

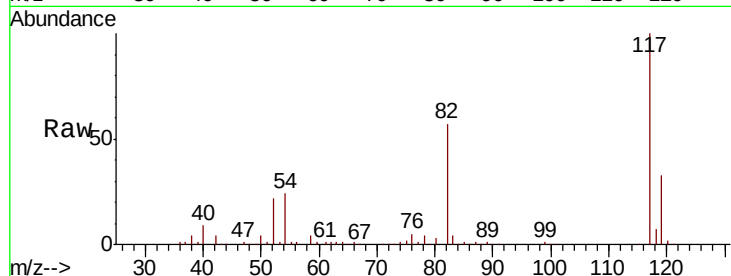
Tot Ion:117 Resp: 1313873

Ion Ratio Lower Upper

117 100

82 56.7 41.7 62.5

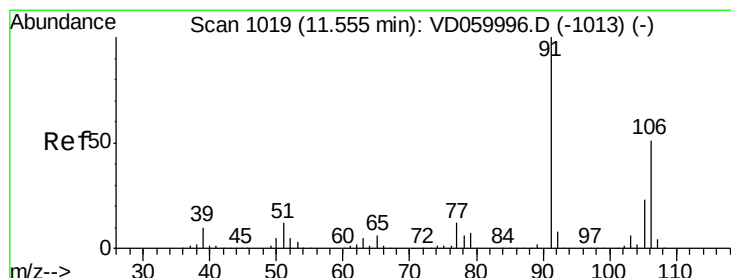
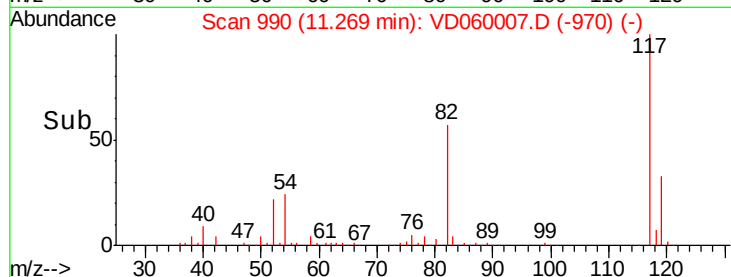
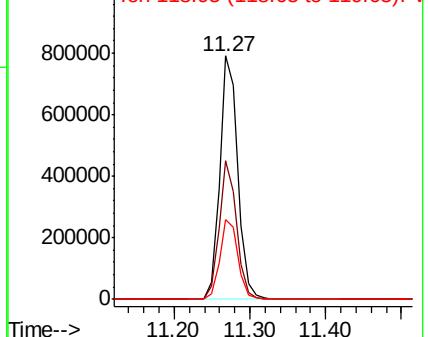
119 32.7 26.0 39.0



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



#68

m/p-Xylenes

Concen: 1.28 ug/l

RT: 11.55 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD060007.D

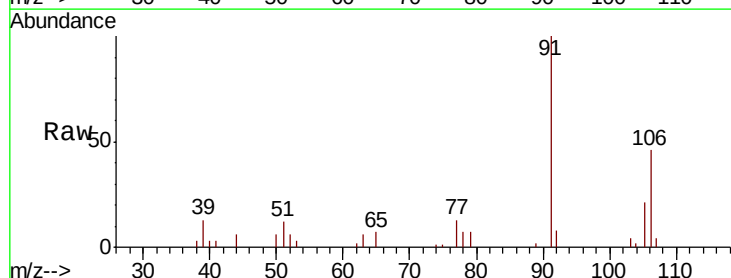
Acq: 14 Sep 2018 13:50

Tgt Ion:106 Resp: 21528

Ion Ratio Lower Upper

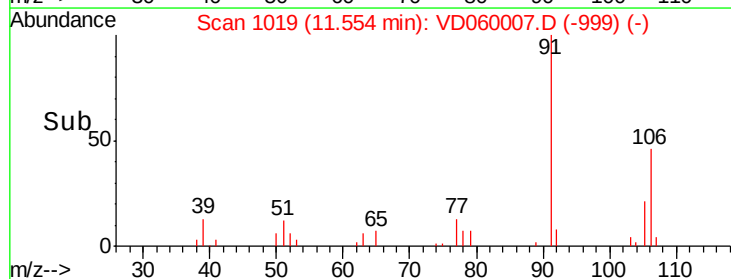
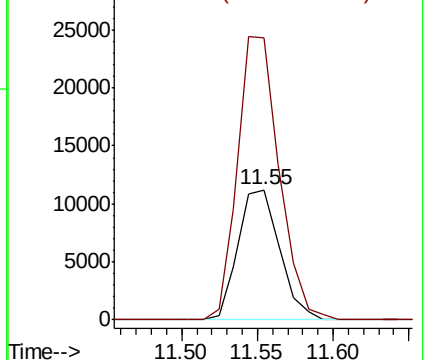
106 100

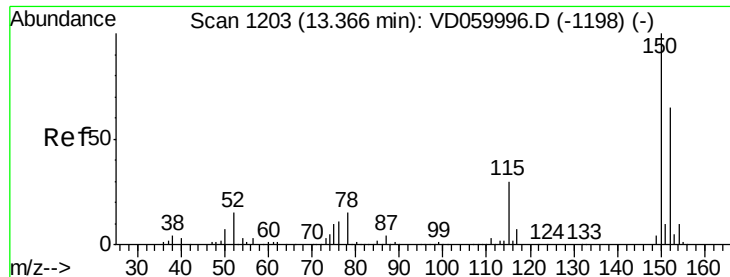
91 216.7 157.0 235.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

NB-08-091218RE

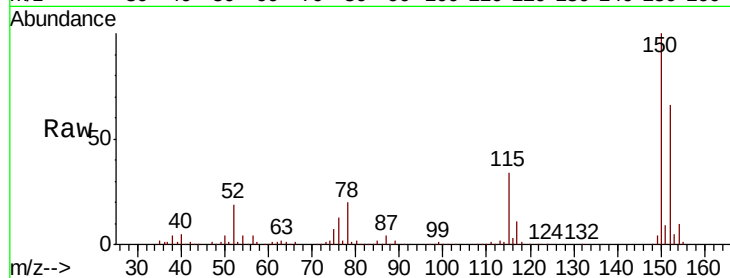
Tot Ion:152 Resp: 501542

Ion Ratio Lower Upper

152 100

115 51.0 24.6 73.8

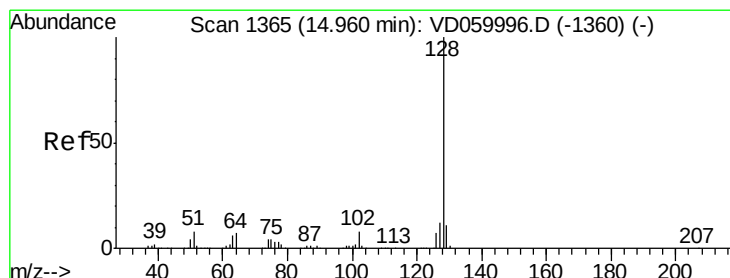
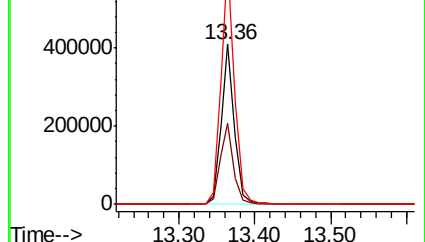
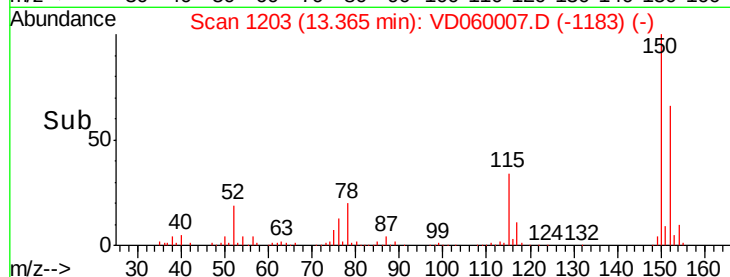
150 152.0 0.0 313.4



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: 1.84 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

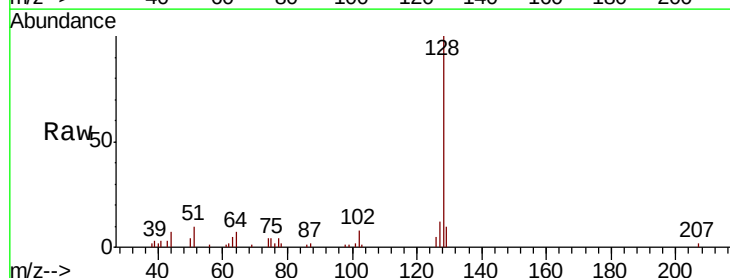
Tgt Ion:128 Resp: 33445

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

129 10.0 8.9 13.3



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

