

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122118\
 Data File : VD060686.D
 Acq On : 21 Dec 2018 16:18
 Operator : VA/AP
 Sample : J6482-01
 Misc : 5.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R20-OS

Quant Time: Dec 21 22:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

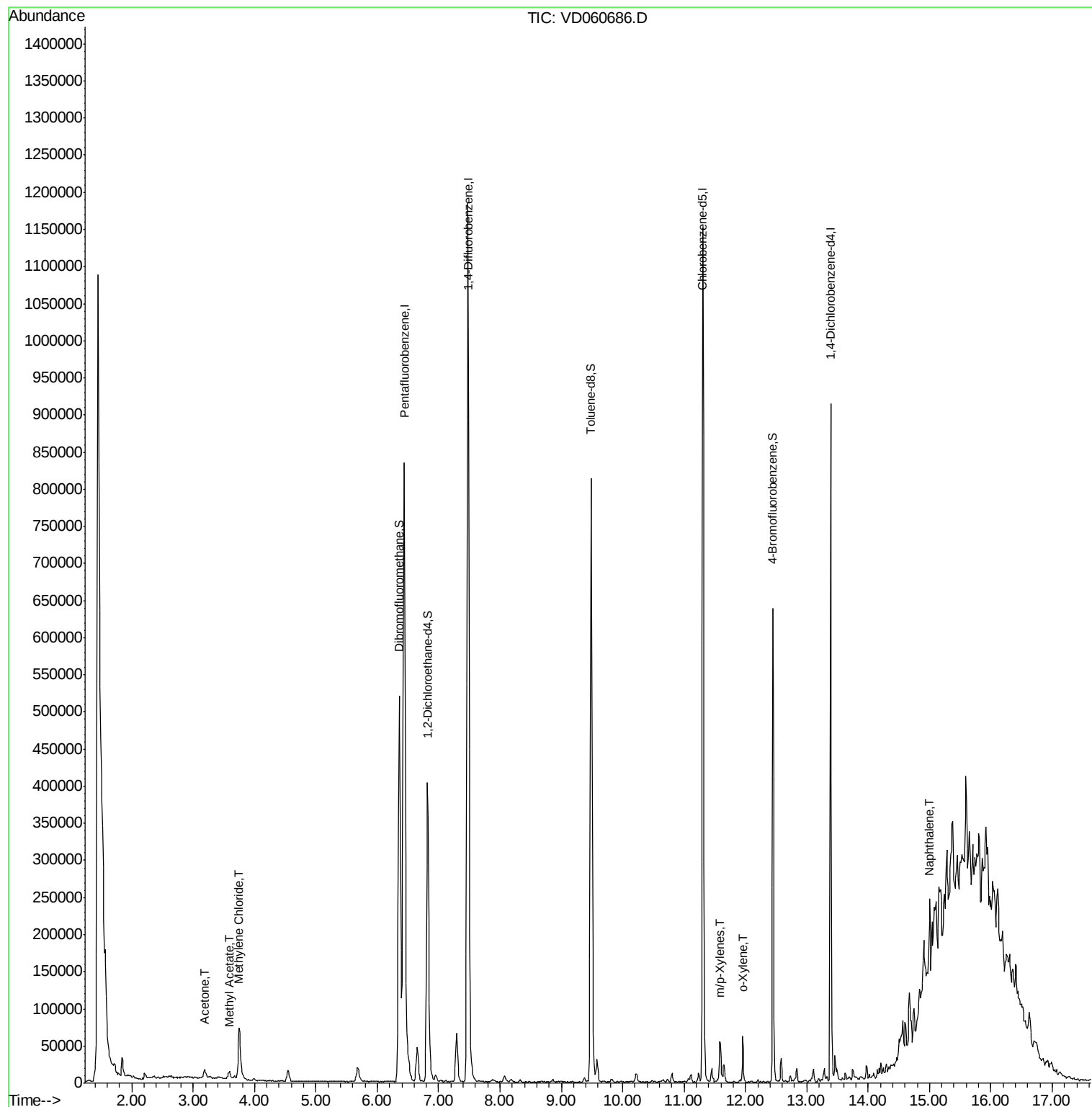
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	835092	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.48	114	1230157	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.30	117	622211	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	191964	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.82	65	323754	56.10	ug/l	0.03
Spiked Amount 50.000			Recovery	=	112.20%	
35) Dibromofluoromethane	6.35	113	406647	45.16	ug/l	0.03
Spiked Amount 50.000			Recovery	=	90.32%	
50) Toluene-d8	9.48	98	656972	24.45	ug/l	0.03
Spiked Amount 50.000			Recovery	=	48.90%	
62) 4-Bromofluorobenzene	12.45	95	168318	17.89	ug/l	0.03
Spiked Amount 50.000			Recovery	=	35.78%	
Target Compounds						
16) Acetone	3.19	43	20861	20.699	ug/l	99
18) Methyl Acetate	3.59	43	20225	8.097	ug/l #	89
20) Methylene Chloride	3.76	84	44489	4.251	ug/l	89
68) m/p-Xylenes	11.59	106	17774	2.066	ug/l	92
69) o-Xylene	11.95	106	14850	1.819	ug/l	95
95) Naphthalene	14.99	128	6440	1.282	ug/l	97

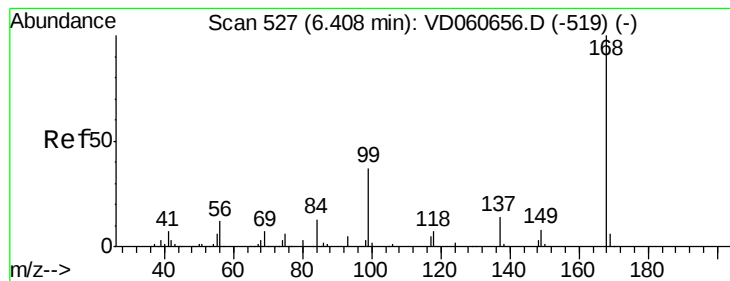
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122118\
Data File : VD060686.D
Acq On : 21 Dec 2018 16:18
Operator : VA/AP
Sample : J6482-01
Misc : 5.10g/5ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
R20-OS

Quant Time: Dec 21 22:40:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.04 min

Lab File: VD060686.D

Acq: 21 Dec 2018 16:18

Instrument :

MSVOA_D

ClientSampleId :

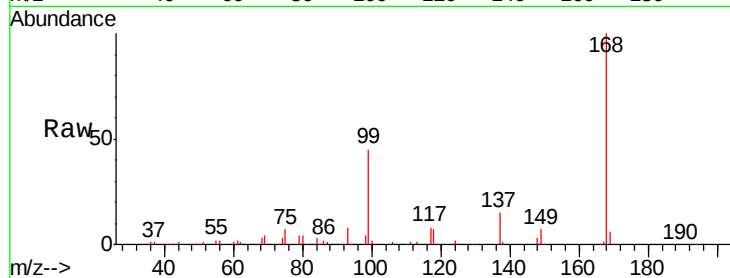
R20-OS

Tgt Ion:168 Resp: 835092

Ion Ratio Lower Upper

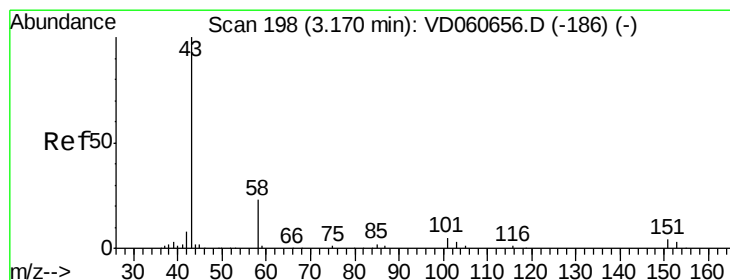
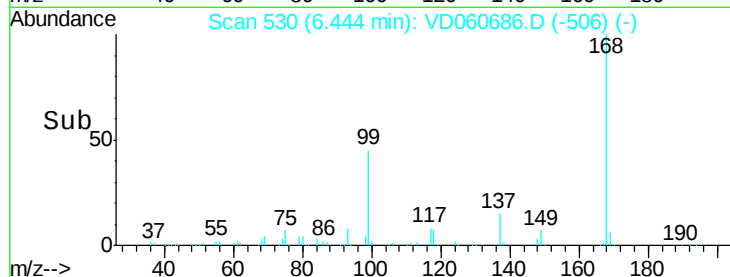
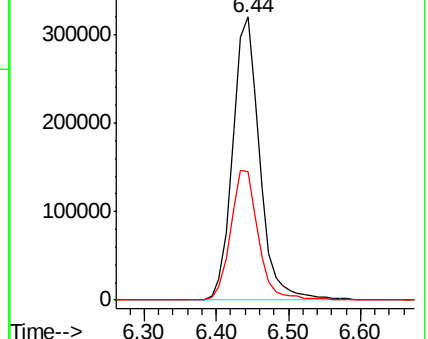
168 100

99 45.4 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 20.699 ug/l

RT: 3.19 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD060686.D

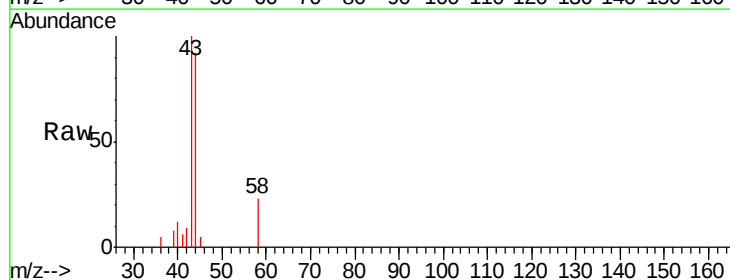
Acq: 21 Dec 2018 16:18

Tgt Ion: 43 Resp: 20861

Ion Ratio Lower Upper

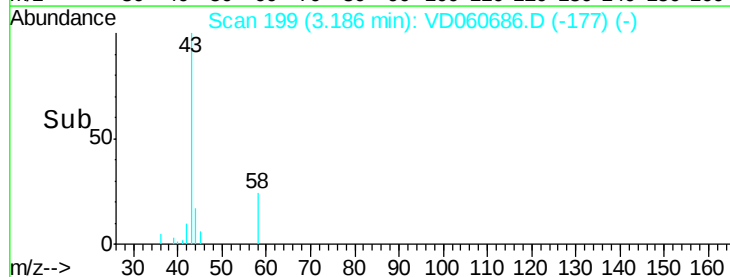
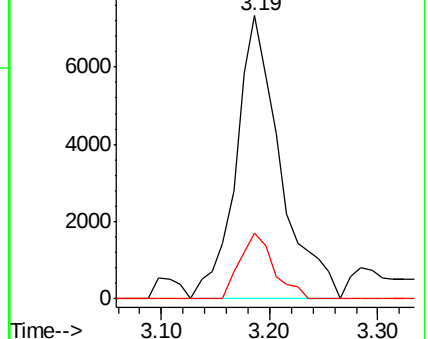
43 100

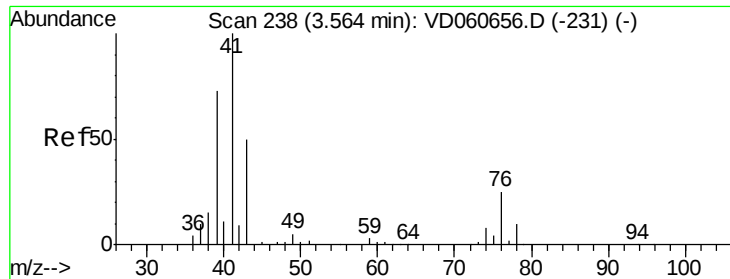
58 23.3 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

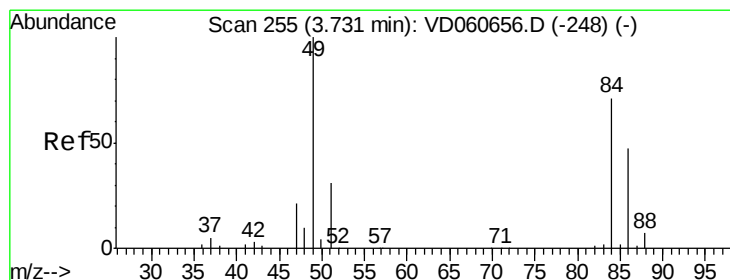
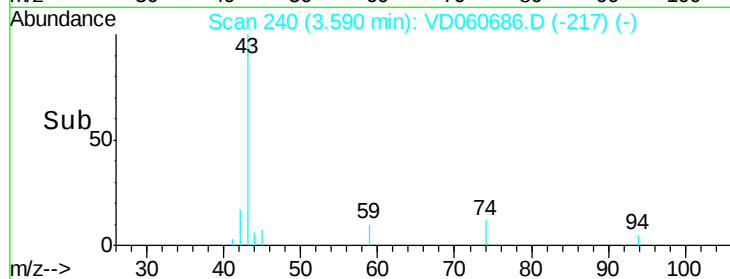
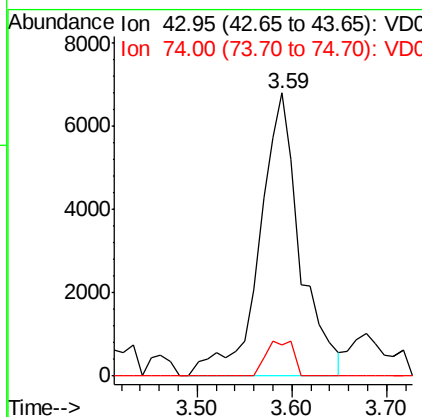
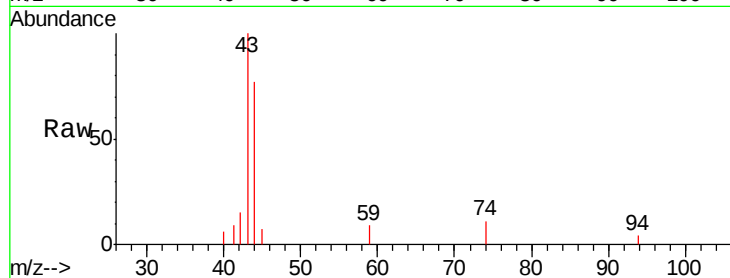




#18
Methyl Acetate
Concen: 8.097 ug/l
RT: 3.59 min Scan# 240
Delta R.T. 0.03 min
Lab File: VD060686.D
Acq: 21 Dec 2018 16:18

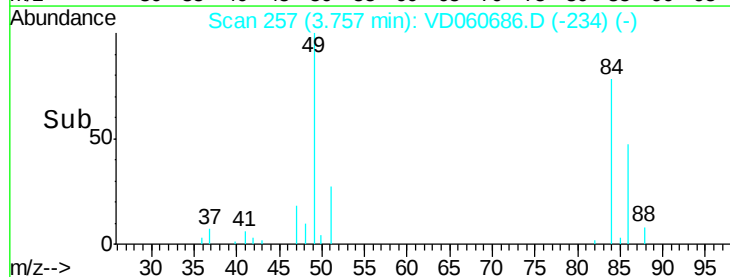
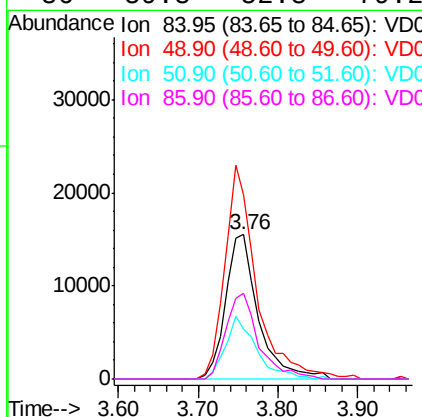
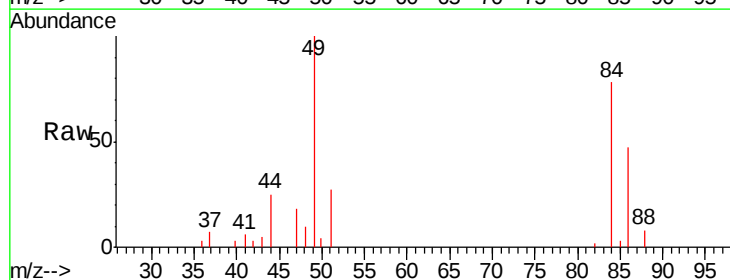
Instrument :
MSVOA_D
ClientSampleId :
R20-OS

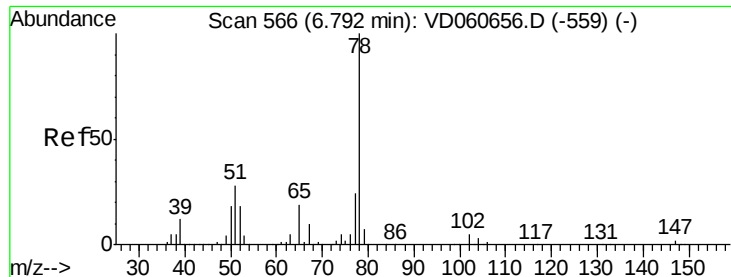
Tgt Ion: 43 Resp: 20225
Ion Ratio Lower Upper
43 100
74 10.8 12.4 18.6#



#20
Methylene Chloride
Concen: 4.251 ug/l
RT: 3.76 min Scan# 257
Delta R.T. 0.03 min
Lab File: VD060686.D
Acq: 21 Dec 2018 16:18

Tgt Ion: 84 Resp: 44489
Ion Ratio Lower Upper
84 100
49 127.9 113.6 170.4
51 34.9 34.7 52.1
86 59.8 52.8 79.2





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.82 min Scan# 568

Delta R.T. 0.03 min

Lab File: VD060686.D

Acq: 21 Dec 2018 16:18

Instrument :

MSVOA_D

ClientSampleId :

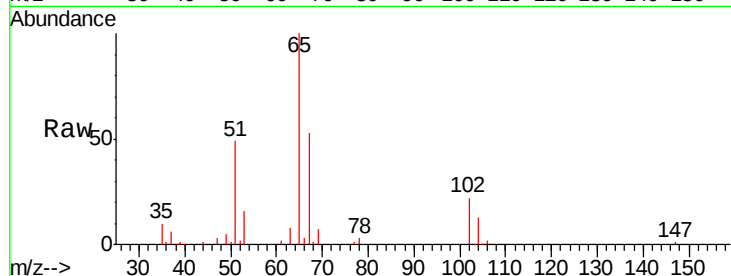
R20-OS

Tgt Ion: 65 Resp: 323754

Ion Ratio Lower Upper

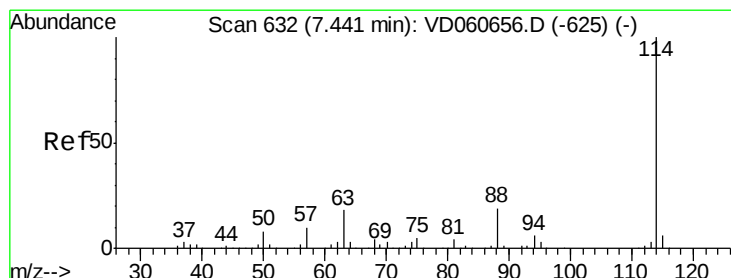
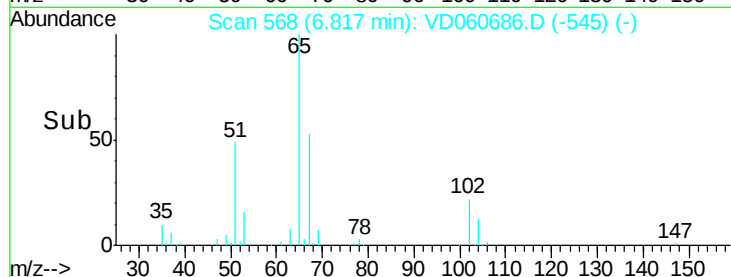
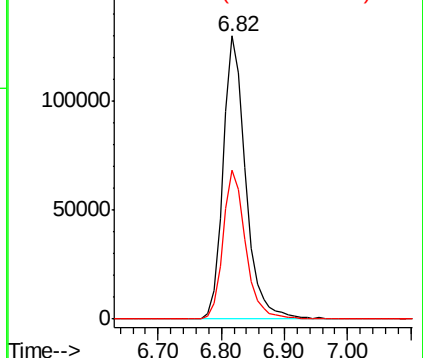
65 100

67 52.6 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.48 min Scan# 635

Delta R.T. 0.04 min

Lab File: VD060686.D

Acq: 21 Dec 2018 16:18

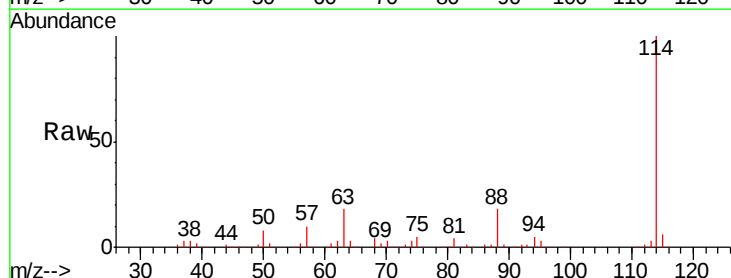
Tgt Ion: 114 Resp: 1230157

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

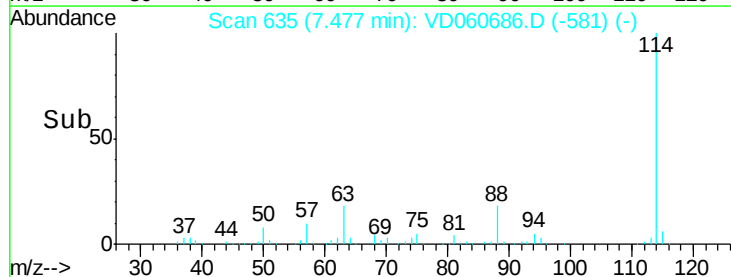
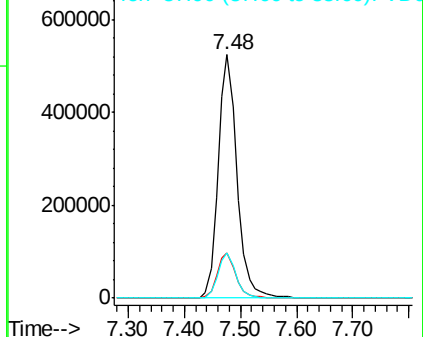
88 18.3 0.0 37.0

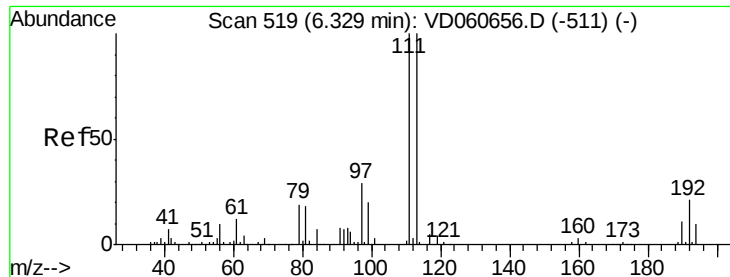


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 521

Delta R.T. 0.03 min

Lab File: VD060686.D

Acq: 21 Dec 2018 16:18

Instrument :

MSVOA_D

ClientSampleId :

R20-OS

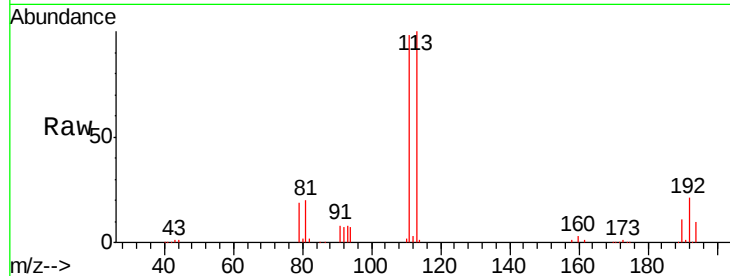
Tgt Ion:113 Resp: 406647

Ion Ratio Lower Upper

113 100

111 98.4 80.0 120.0

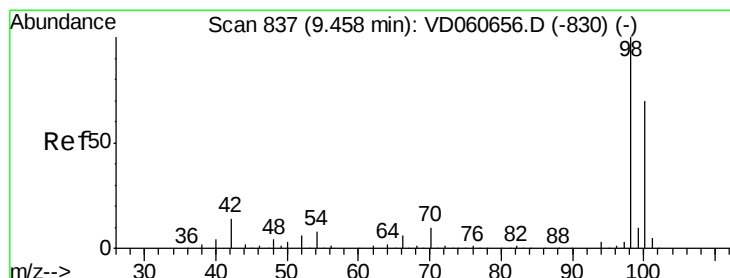
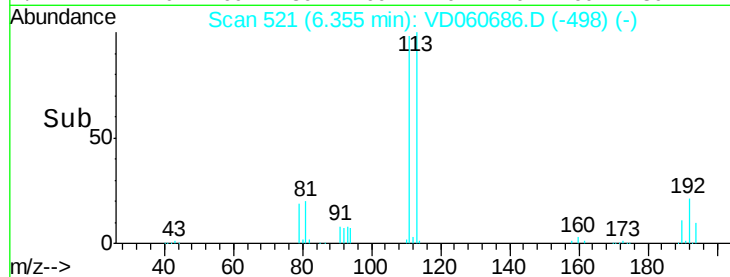
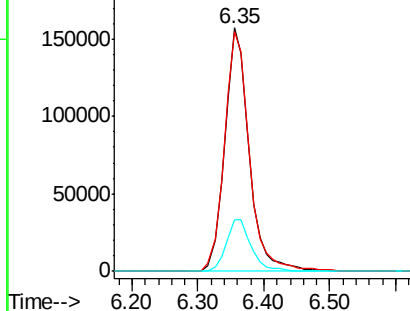
192 21.1 16.6 25.0



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.48 min Scan# 839

Delta R.T. 0.03 min

Lab File: VD060686.D

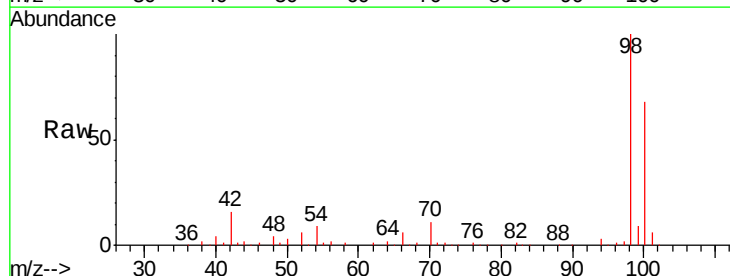
Acq: 21 Dec 2018 16:18

Tgt Ion: 98 Resp: 656972

Ion Ratio Lower Upper

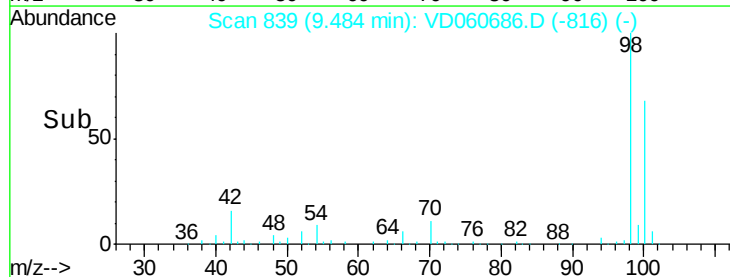
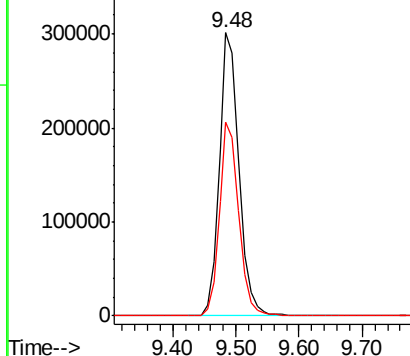
98 100

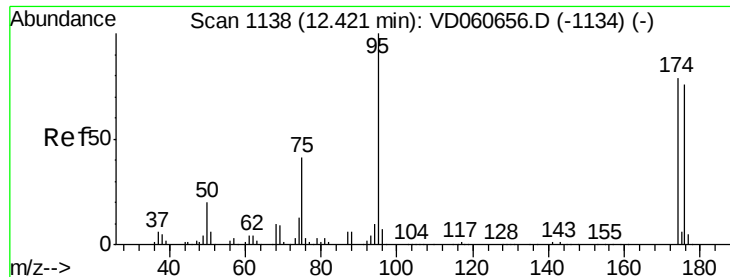
100 68.3 55.8 83.8



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: 12.45 min Scan# 1140

Delta R.T. 0.03 min

Lab File: VD060686.D

Acq: 21 Dec 2018 16:18

Instrument :

MSVOA_D

ClientSampleId :

R20-OS

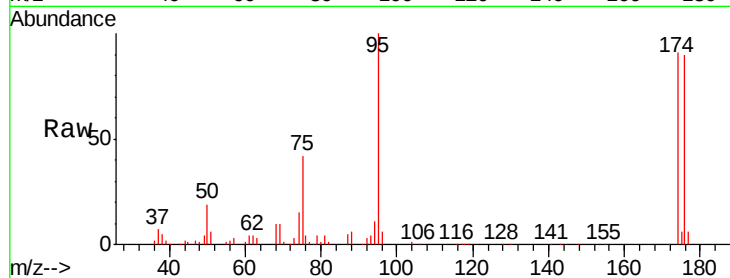
Tgt Ion: 95 Resp: 168318

Ion Ratio Lower Upper

95 100

174 90.7 0.0 158.2

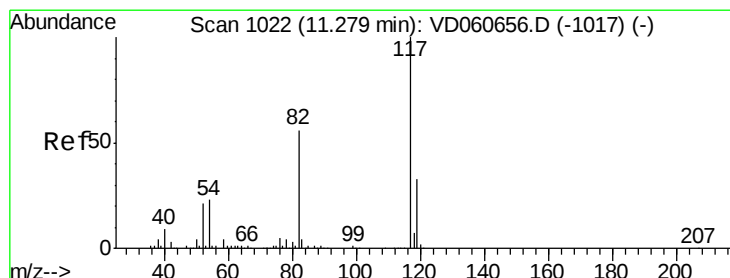
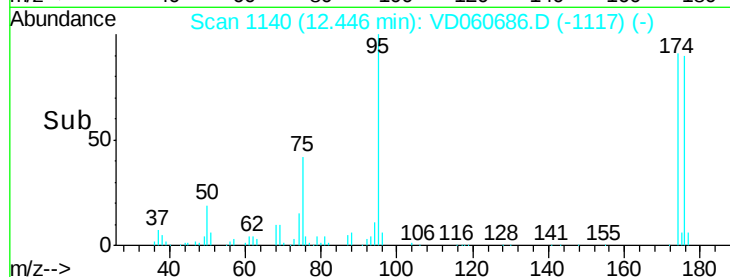
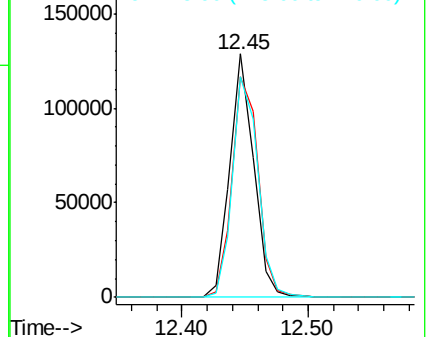
176 90.4 0.0 152.4



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: 11.30 min Scan# 1024

Delta R.T. 0.03 min

Lab File: VD060686.D

Acq: 21 Dec 2018 16:18

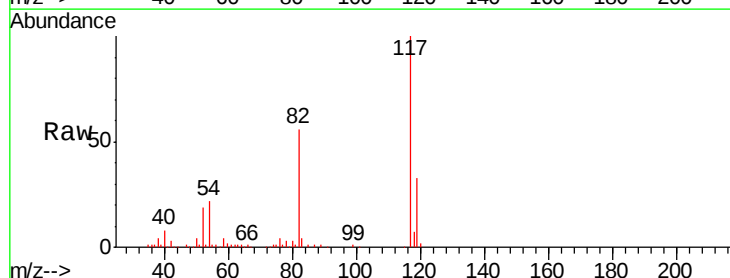
Tgt Ion: 117 Resp: 622211

Ion Ratio Lower Upper

117 100

82 55.6 44.5 66.7

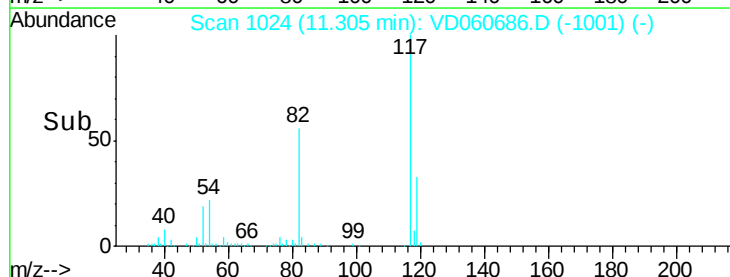
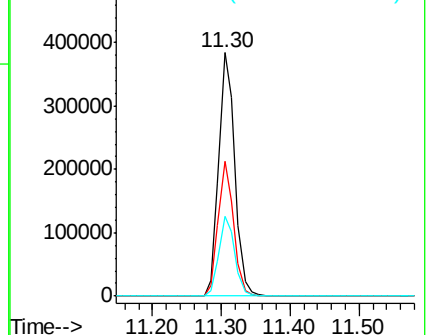
119 32.7 26.3 39.5

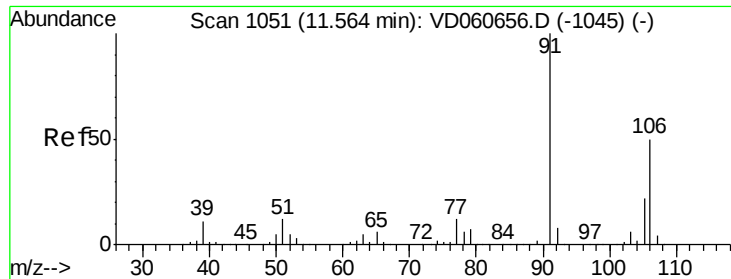


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

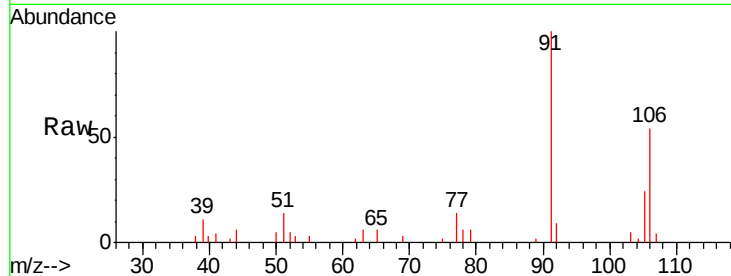




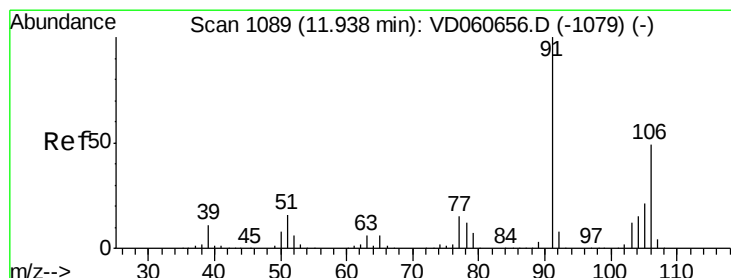
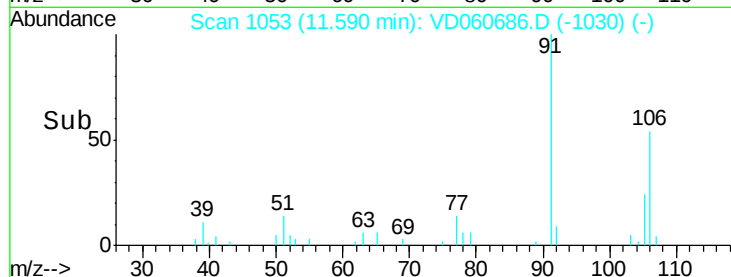
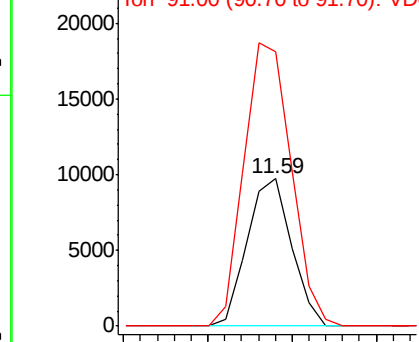
#68
m/p-Xylenes
Concen: 2.066 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.03 min
Lab File: VD060686.D
Acq: 21 Dec 2018 16:18

Instrument :
MSVOA_D
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R20-OS

Tgt Ion:106 Resp: 17774
Ion Ratio Lower Upper
106 100
91 186.4 158.9 238.3

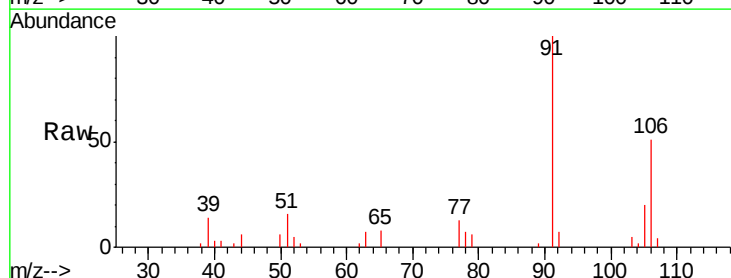


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

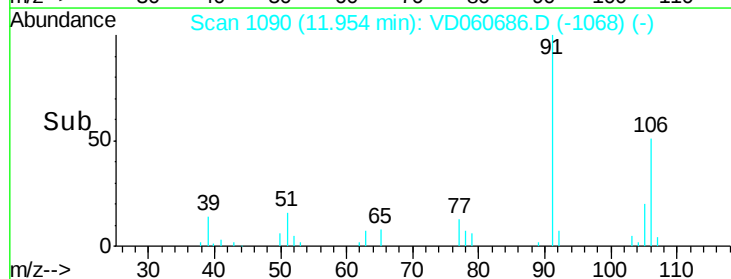
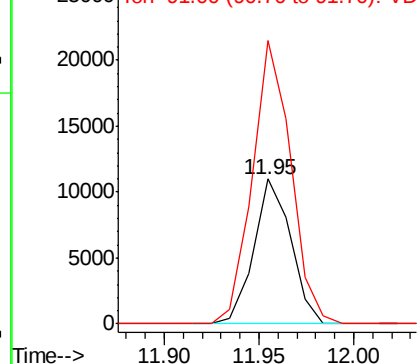


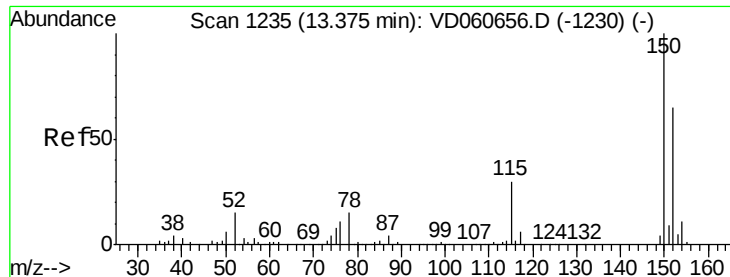
#69
o-Xylene
Concen: 1.819 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VD060686.D
Acq: 21 Dec 2018 16:18

Tgt Ion:106 Resp: 14850
Ion Ratio Lower Upper
106 100
91 195.8 101.5 304.5



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: 50.000 ug/l

RT: 13.39 min Scan# 1236

Delta R.T. 0.02 min

Lab File: VD060686.D

Acq: 21 Dec 2018 16:18

Instrument :

MSVOA_D

ClientSampleId :

R20-OS

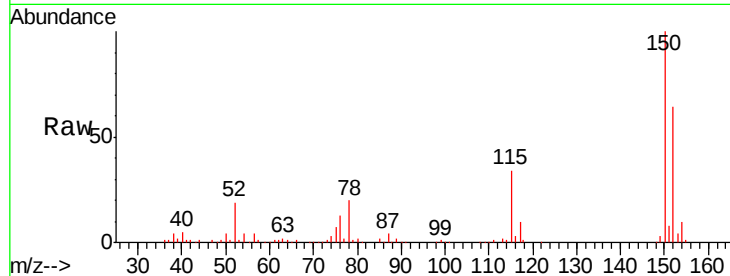
Tgt Ion:152 Resp: 191964

Ion Ratio Lower Upper

152 100

115 52.4 24.1 72.3

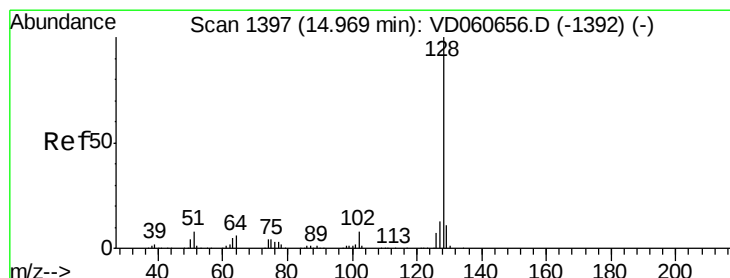
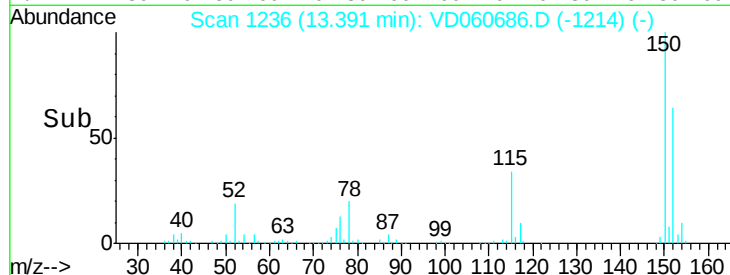
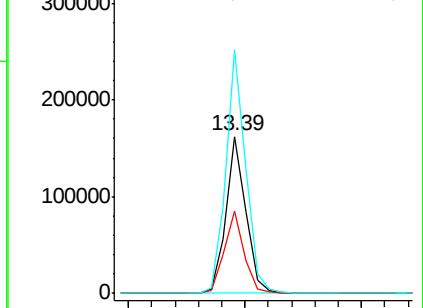
150 155.5 0.0 315.0



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



#95

Naphthalene

Concen: 1.282 ug/l

RT: 14.99 min Scan# 1398

Delta R.T. 0.02 min

Lab File: VD060686.D

Acq: 21 Dec 2018 16:18

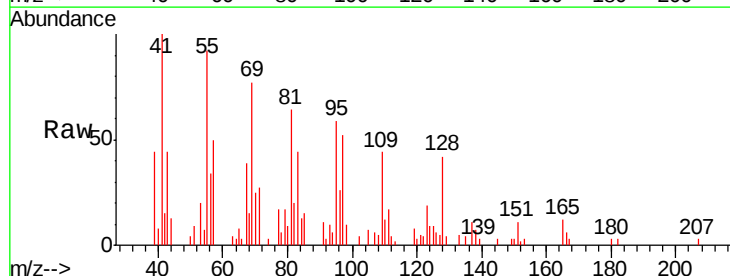
Tgt Ion:128 Resp: 6440

Ion Ratio Lower Upper

128 100

127 11.8 10.1 15.1

129 9.3 8.6 13.0



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

