

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060728.D
 Acq On : 27 Dec 2018 16:03
 Operator : VA/AP
 Sample : J6446-12RE
 Misc : 3.24g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-0006-01RE

Quant Time: Dec 28 02:02:17 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

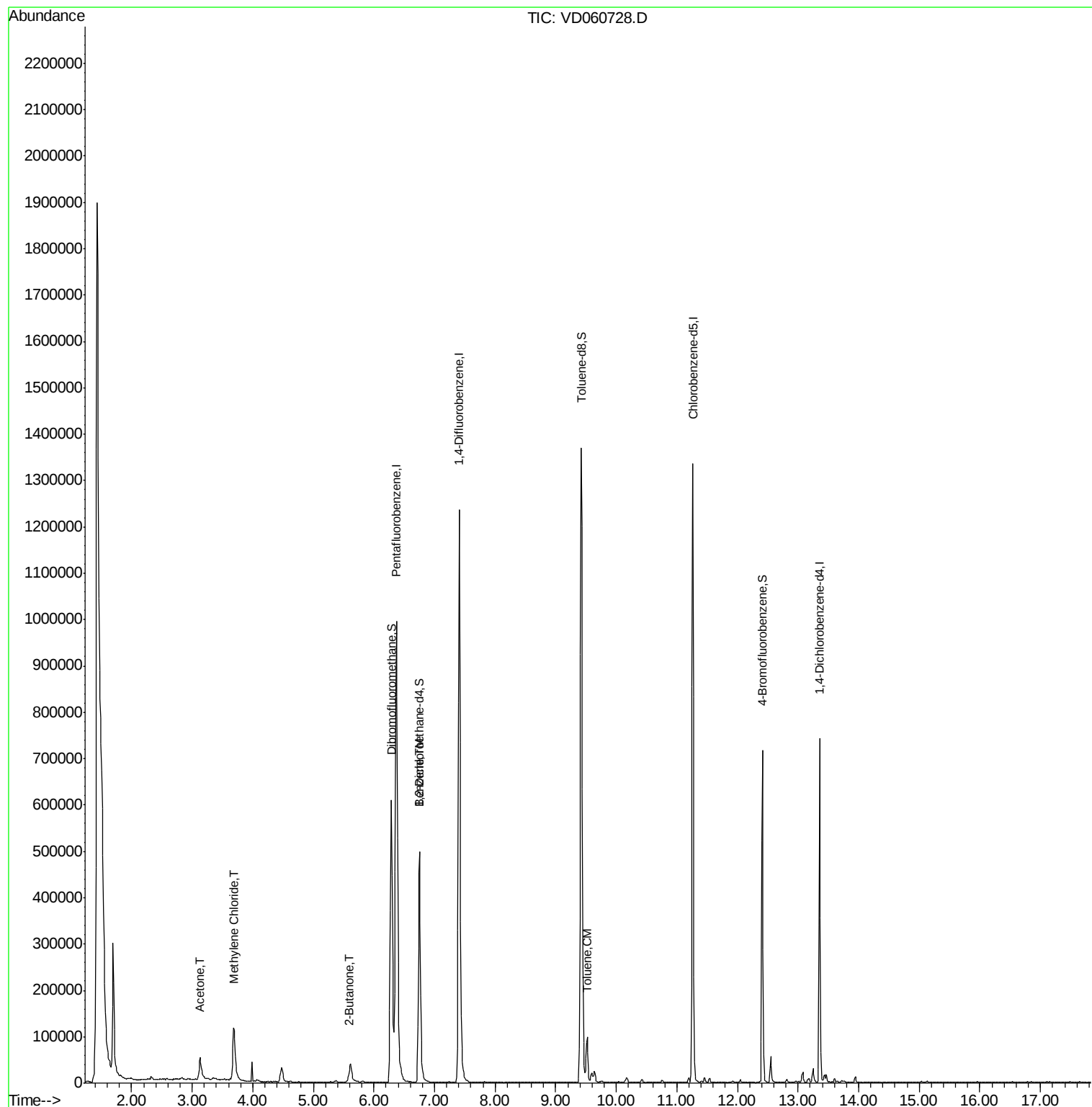
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	994215	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.40	114	1338816	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.26	117	707472	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	159630	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.75	65	361648	52.64	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	105.28%	
35) Dibromofluoromethane	6.29	113	501270	51.15	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.30%	
50) Toluene-d8	9.42	98	1087493	37.19	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	74.38%	
62) 4-Bromofluorobenzene	12.41	95	193327	18.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.76%	
Target Compounds						
16) Acetone	3.13	43	98684	82.245	ug/l	99
20) Methylene Chloride	3.68	84	76242	6.118	ug/l	98
25) 2-Butanone	5.58	43	12259	5.339	ug/l	98
40) Benzene	6.75	78	80817	2.269	ug/l	99
52) Toluene	9.52	92	49024	2.196	ug/l	89

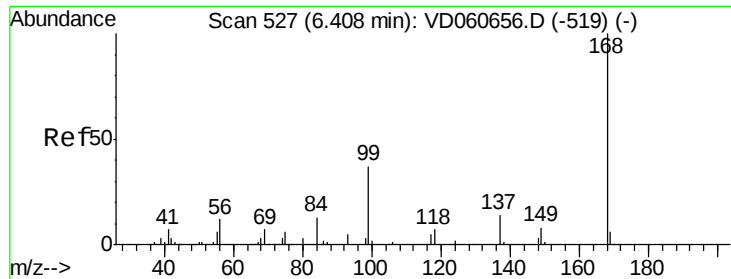
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122718\
Data File : VD060728.D
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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: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

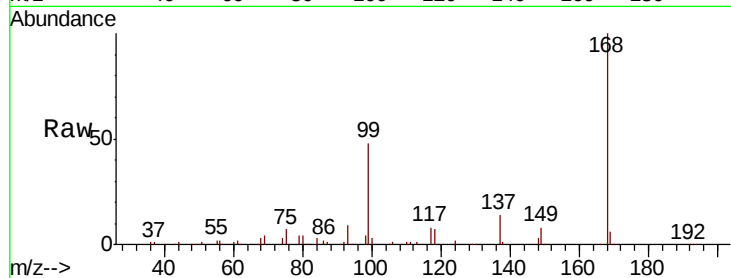
P001-SS022-0006-01RE

Tot Ion:168 Resp: 994215

Ion Ratio Lower Upper

168 100

99 47.6 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

400000

300000

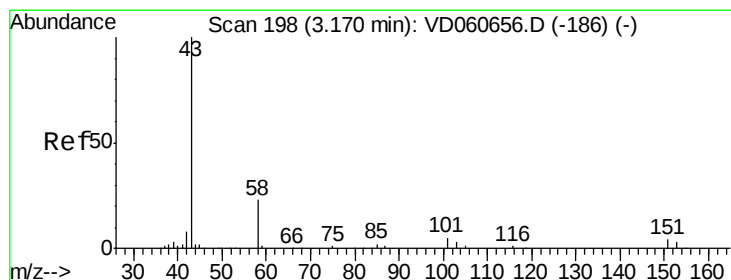
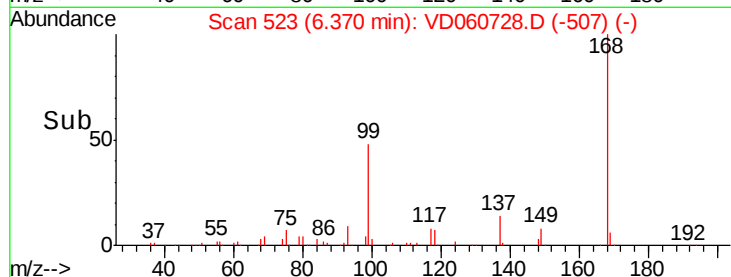
200000

100000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#16

Acetone

Concen: 82.245 ug/l

RT: 3.13 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD060728.D

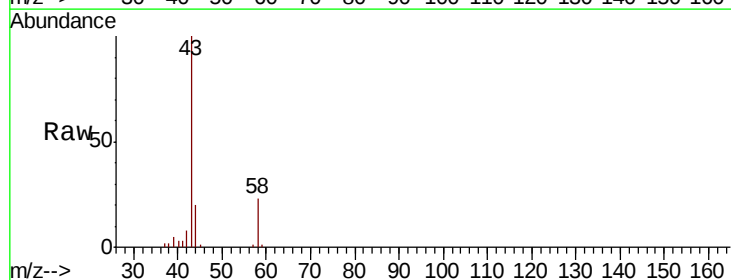
Acq: 27 Dec 2018 16:03

Tgt Ion: 43 Resp: 98684

Ion Ratio Lower Upper

43 100

58 23.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

40000

30000

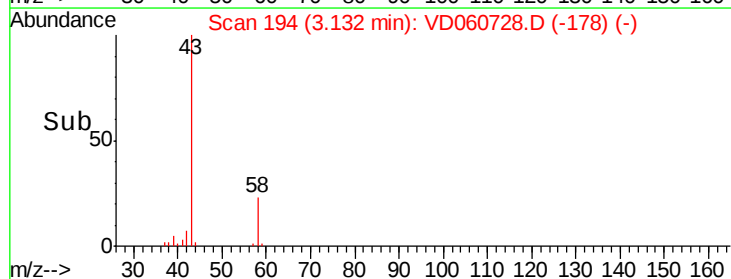
20000

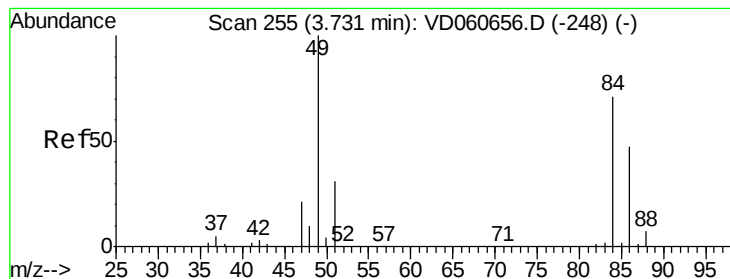
10000

0

Time-->

3.00 3.10 3.20 3.30





#20

Methvlene Chloride

Concen: 6.118 ug/l

RT: 3.68 min Scan# 250

Delta R.T. -0.05 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

Tot Ion: 84 Resp: 76242

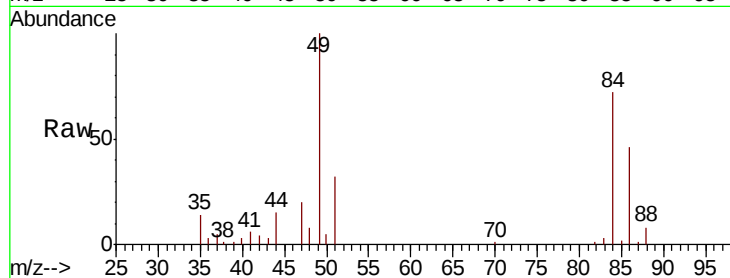
Ion Ratio Lower Upper

84 100

49 139.3 113.6 170.4

51 44.4 34.7 52.1

86 64.6 52.8 79.2

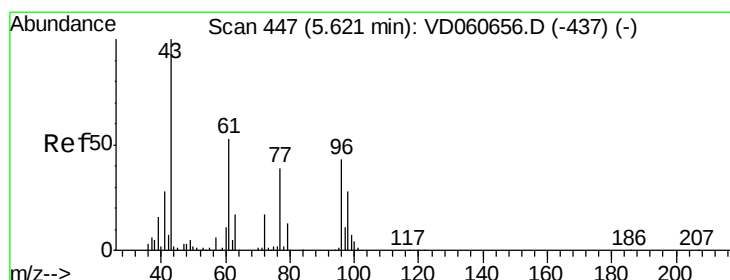
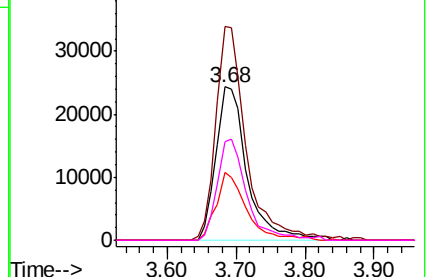
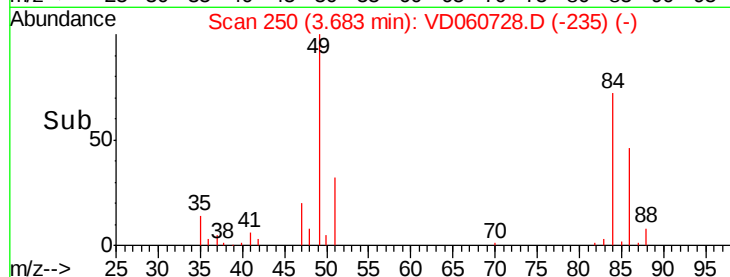


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 5.339 ug/l

RT: 5.58 min Scan# 443

Delta R.T. -0.04 min

Lab File: VD060728.D

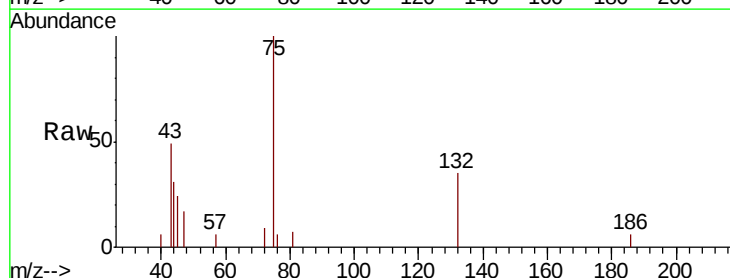
Acq: 27 Dec 2018 16:03

Tgt Ion: 43 Resp: 12259

Ion Ratio Lower Upper

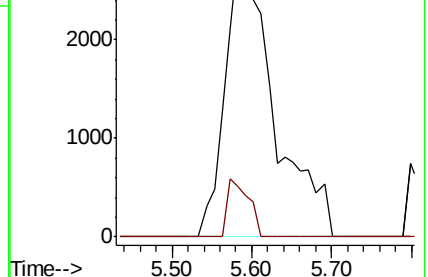
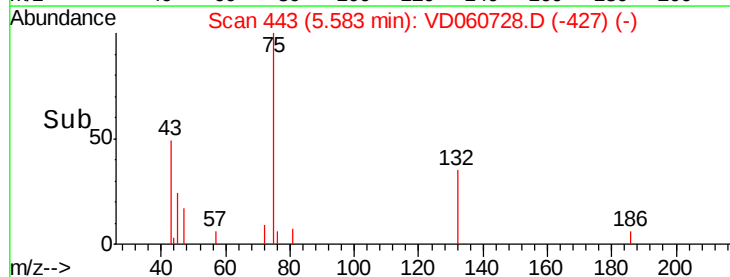
43 100

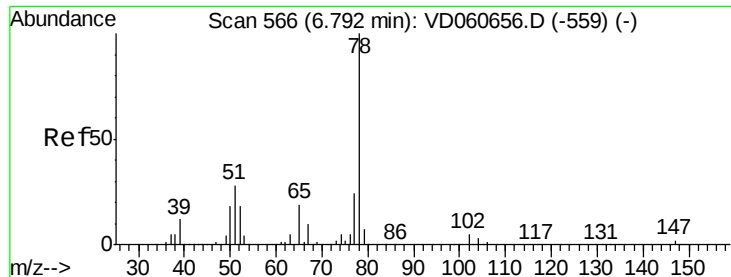
72 17.9 13.7 20.5



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: 6.75 min Scan# 562

Delta R.T. -0.04 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

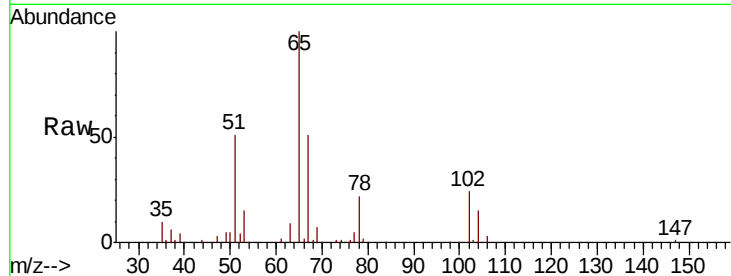
P001-SS022-0006-01RE

Tot Ion: 65 Resp: 361648

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.75

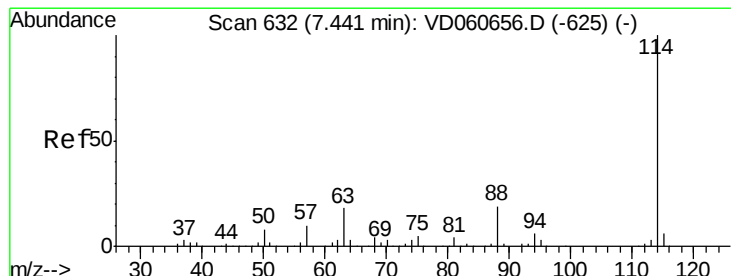
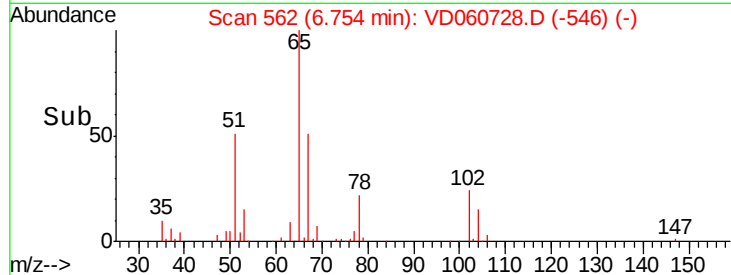
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 628

Delta R.T. -0.04 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

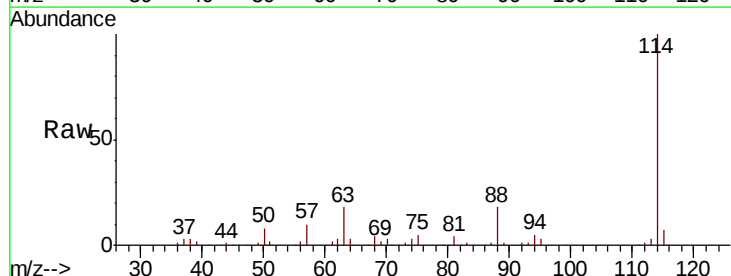
Tgt Ion: 114 Resp: 1338816

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): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.40

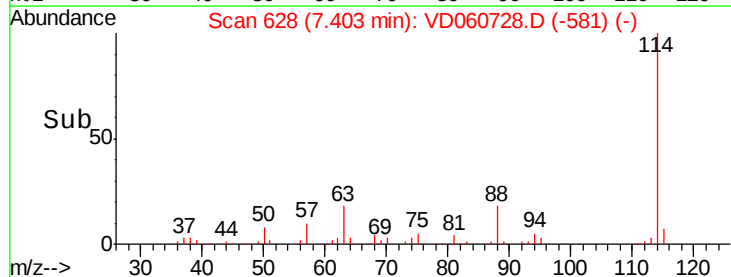
600000

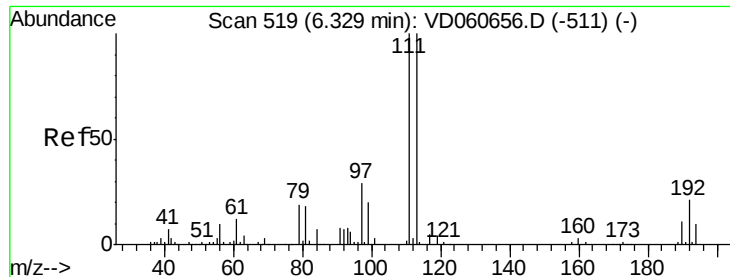
400000

200000

0

Time--> 7.20 7.40 7.60





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 515

Delta R.T. -0.04 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

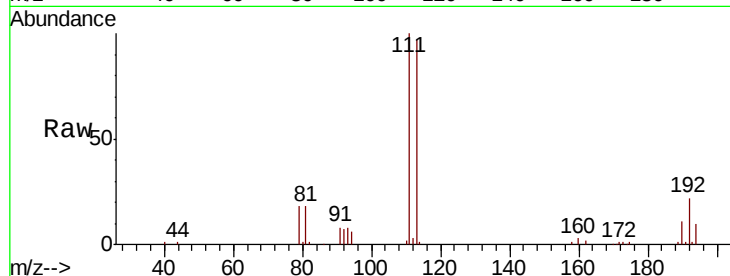
Tot Ion:113 Resp: 501270

Ion Ratio Lower Upper

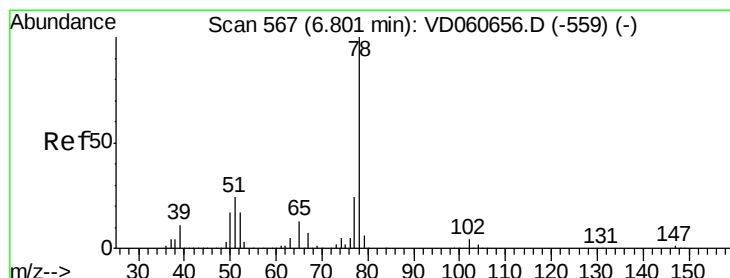
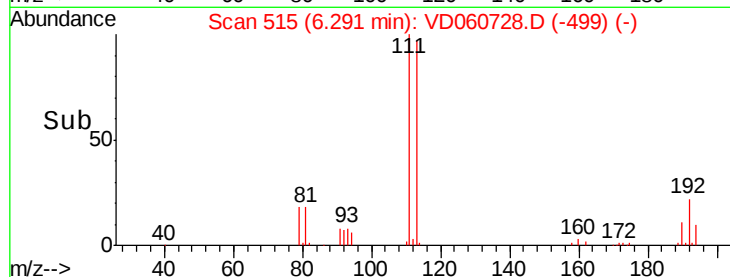
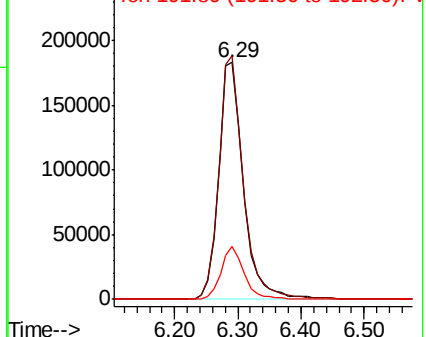
113 100

111 102.9 80.0 120.0

192 22.1 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



#40

Benzene

Concen: 2.269 ug/l

RT: 6.75 min Scan# 562

Delta R.T. -0.05 min

Lab File: VD060728.D

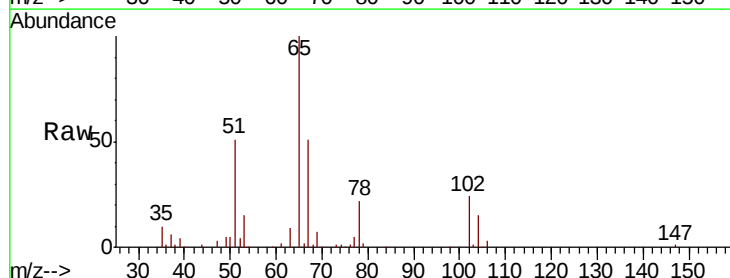
Acq: 27 Dec 2018 16:03

Tgt Ion: 78 Resp: 80817

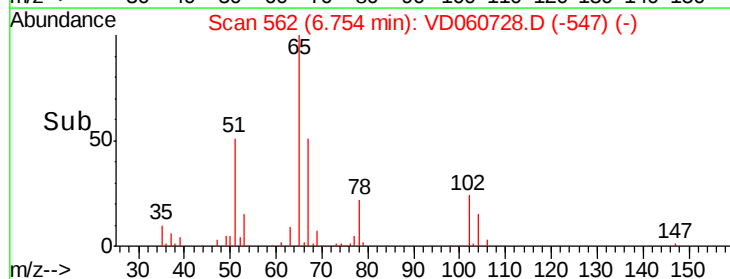
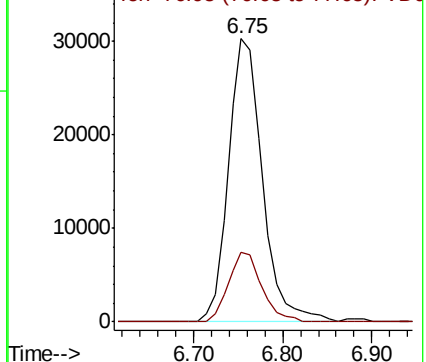
Ion Ratio Lower Upper

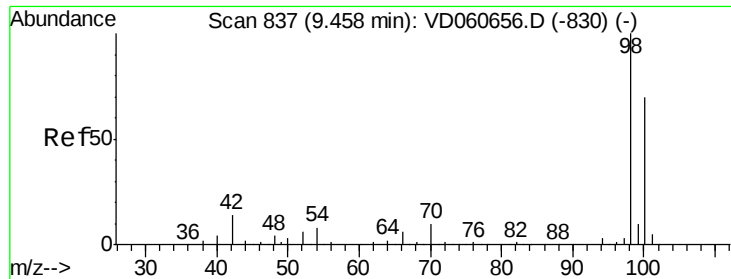
78 100

77 24.6 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): V
Ion 76.95 (76.65 to 77.65): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.42 min Scan# 833

Delta R.T. -0.04 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

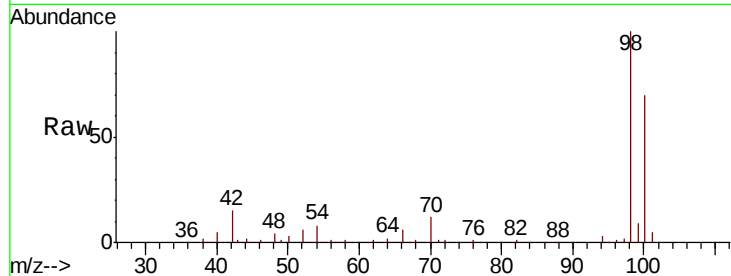
P001-SS022-0006-01RE

Tot Ion: 98 Resp: 1087493

Ion Ratio Lower Upper

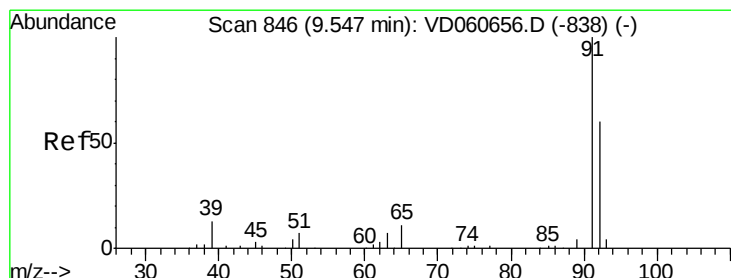
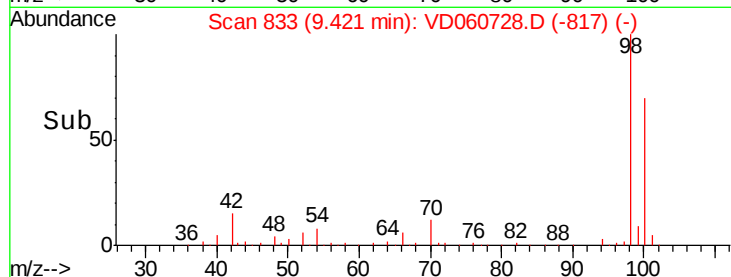
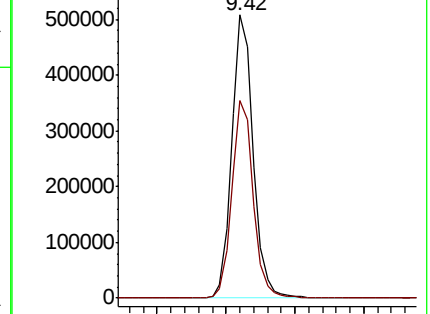
98 100

100 69.7 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 2.196 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.03 min

Lab File: VD060728.D

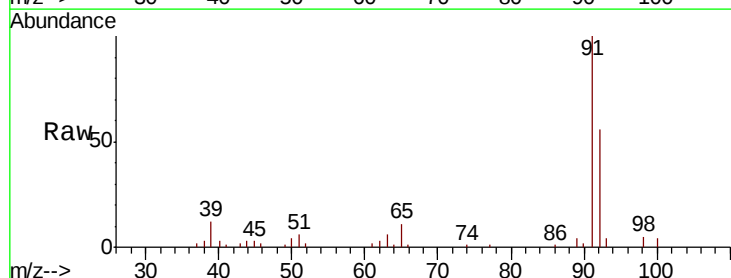
Acq: 27 Dec 2018 16:03

Tgt Ion: 92 Resp: 49024

Ion Ratio Lower Upper

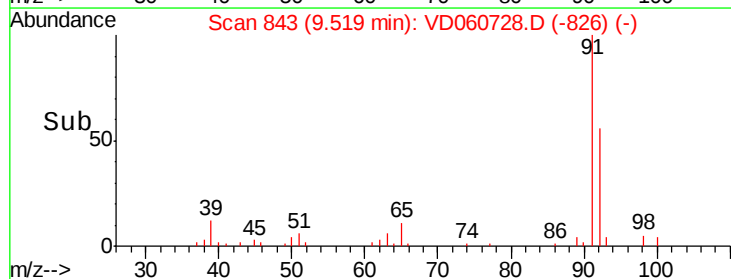
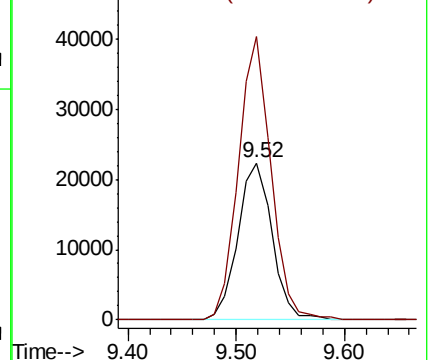
92 100

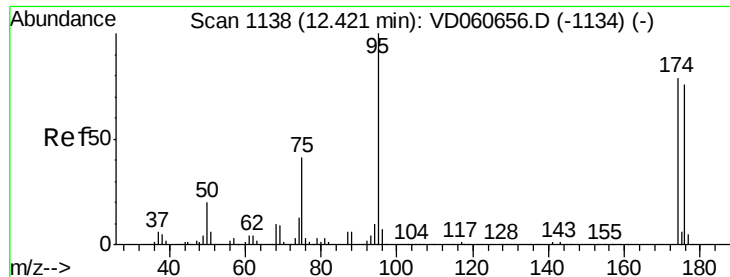
91 180.1 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

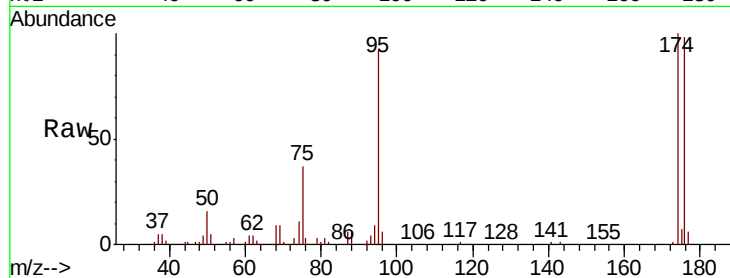
Tot Ion: 95 Resp: 193327

Ion Ratio Lower Upper

95 100

174 109.0 0.0 158.2

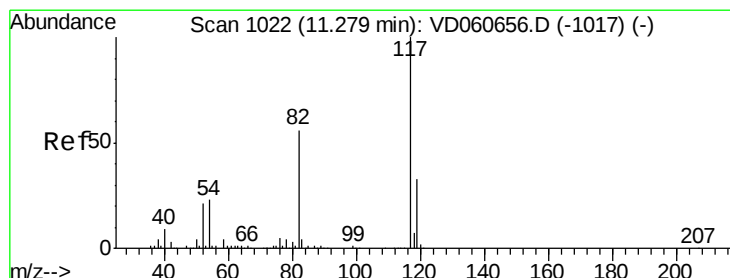
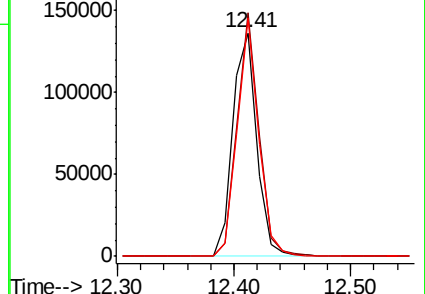
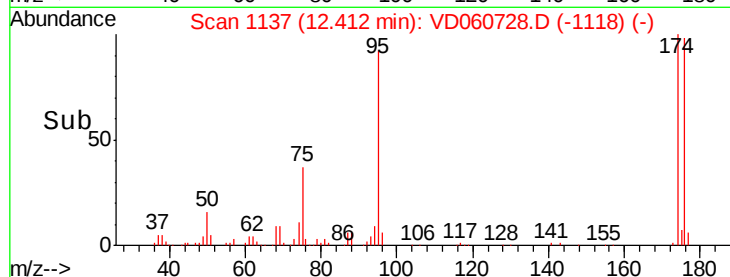
176 106.9 0.0 152.4



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: 11.26 min Scan# 1020

Delta R.T. -0.02 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

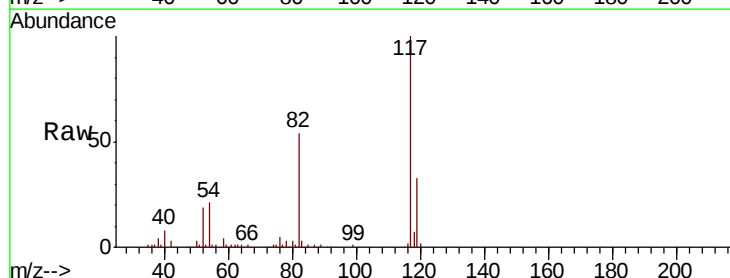
Tgt Ion: 117 Resp: 707472

Ion Ratio Lower Upper

117 100

82 54.5 44.5 66.7

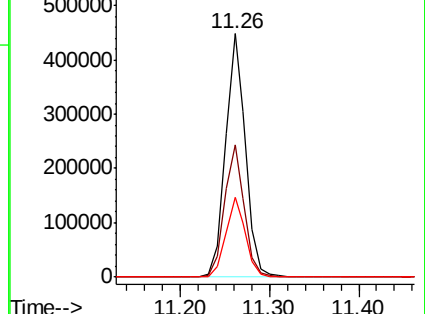
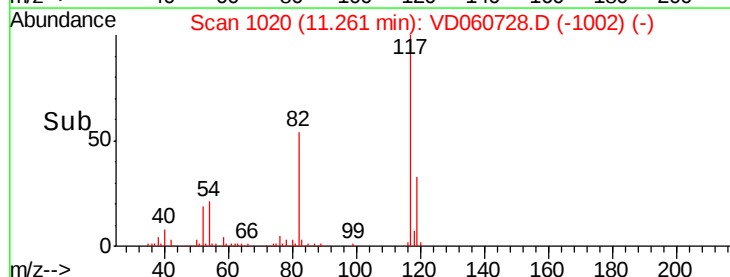
119 32.8 26.3 39.5

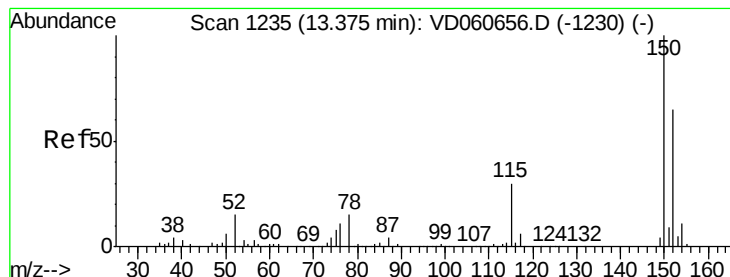


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.36 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

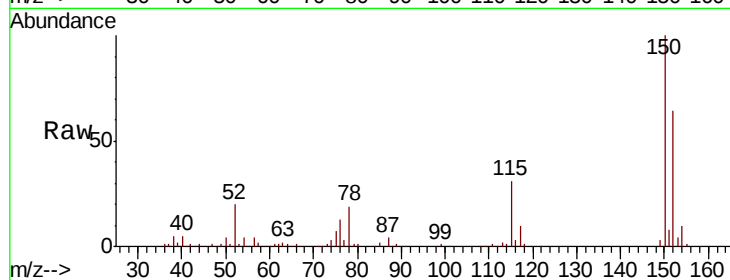
Tot Ion:152 Resp: 159630

Ion Ratio Lower Upper

152 100

115 48.4 24.1 72.3

150 156.8 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

