

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081618\
 Data File : VD059813.D
 Acq On : 16 Aug 2018 16:22
 Operator : VA/AP
 Sample : J4460-03
 Misc : 5.02g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081018-SW-003

Quant Time: Aug 17 01:10:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	249397	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	302649	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.67	117	194149	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.91

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	159714	49.84	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.68%	
35) Dibromofluoromethane	5.53	113	141202	53.54	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	107.08%	
50) Toluene-d8	8.69	98	265311	42.47	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	84.94%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	

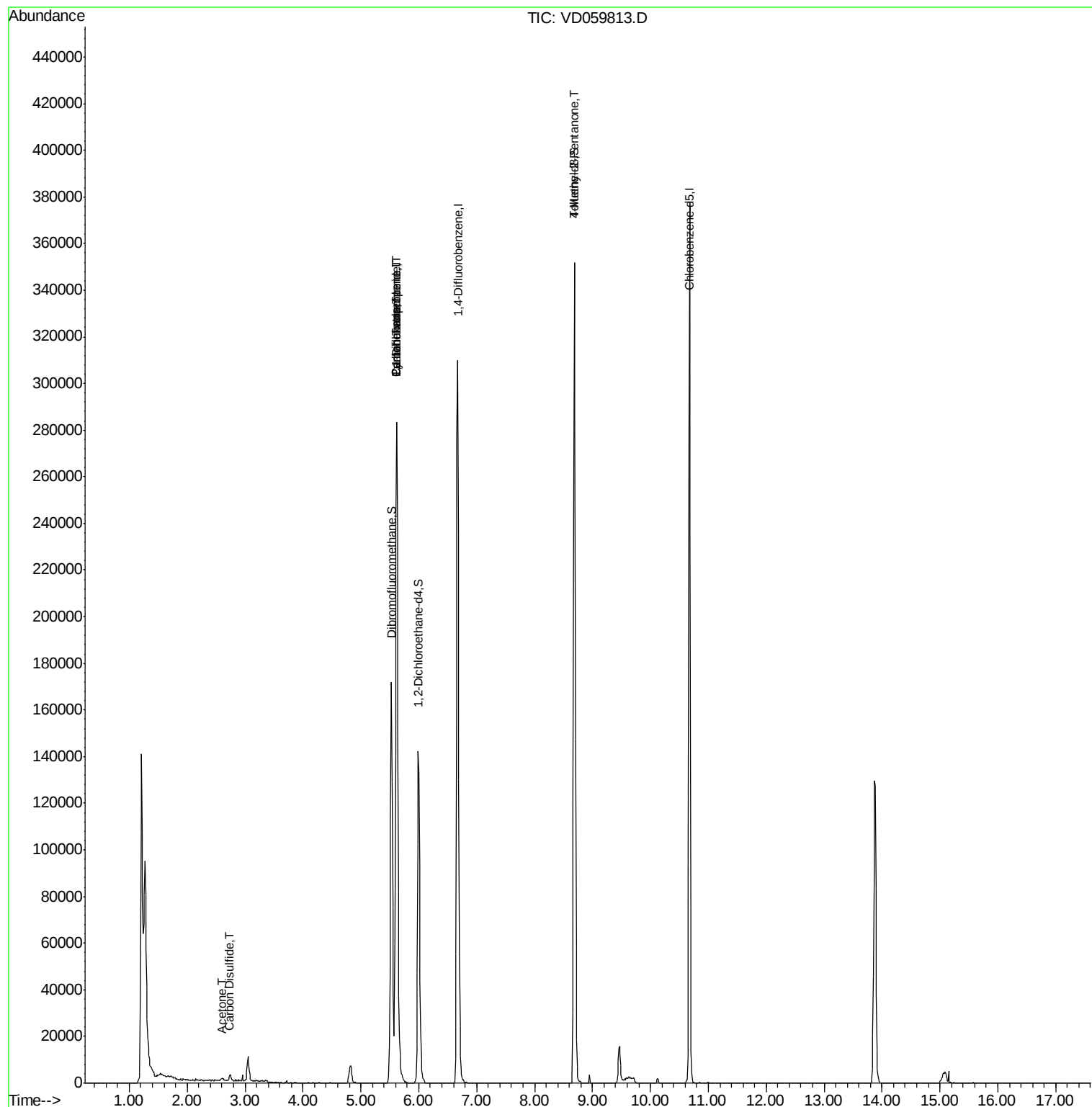
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	2107	4.167	ug/l #	57
17) Carbon Disulfide	2.74	76	4280	1.135	ug/l #	76
31) Cyclohexane	5.62	56	5944	1.826	ug/l #	5
36) 1,1-Dichloropropene	5.62	75	21761	7.008	ug/l #	50
38) Carbon Tetrachloride	5.62	117	24920	6.652	ug/l #	17
51) 4-Methyl-2-Pentanone	8.69	43	1632	1.101	ug/l #	1

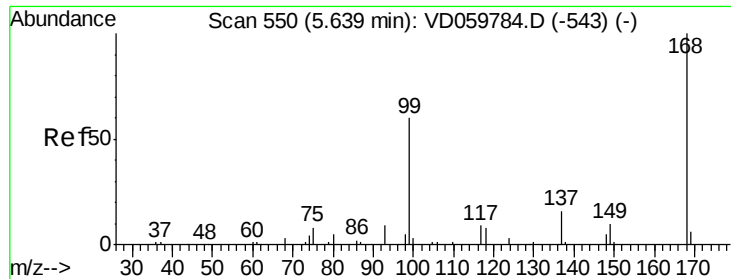
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081618\
Data File : VD059813.D
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RA-081018-SW-003

Quant Time: Aug 17 01:10:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.02 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

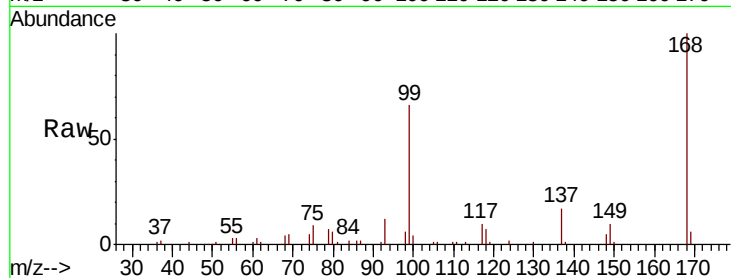
RA-081018-SW-003

Tgt Ion:168 Resp: 249397

Ion Ratio Lower Upper

168 100

99 66.3 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

100000

80000

60000

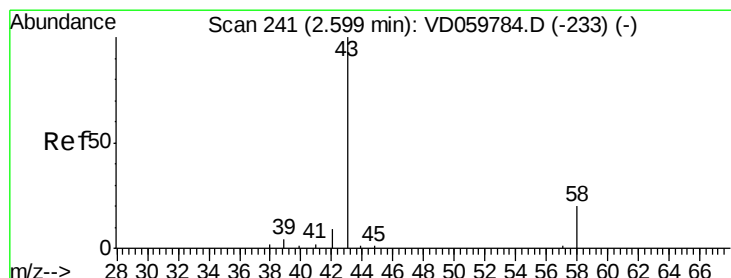
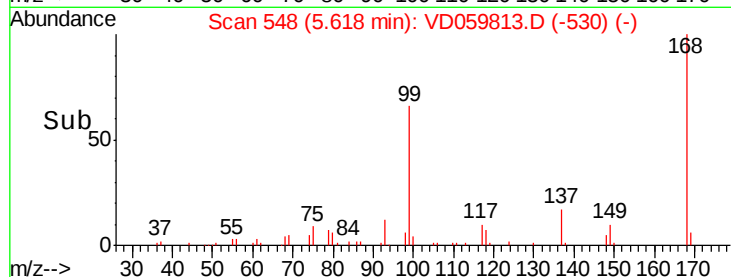
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.167 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059813.D

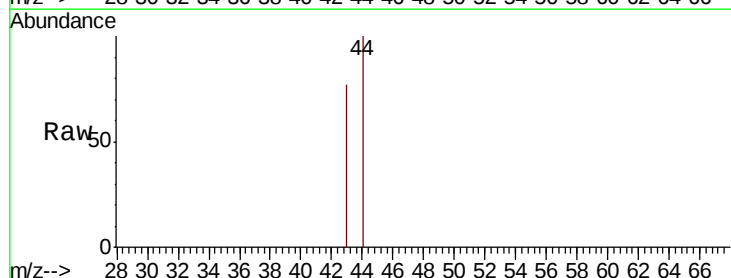
Acq: 16 Aug 2018 16:22

Tgt Ion: 43 Resp: 2107

Ion Ratio Lower Upper

43 100

58 0.0 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.60

1000

800

600

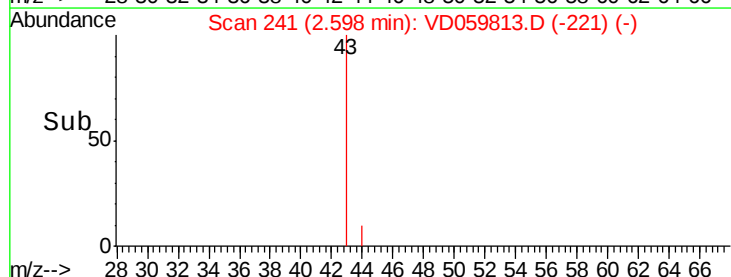
400

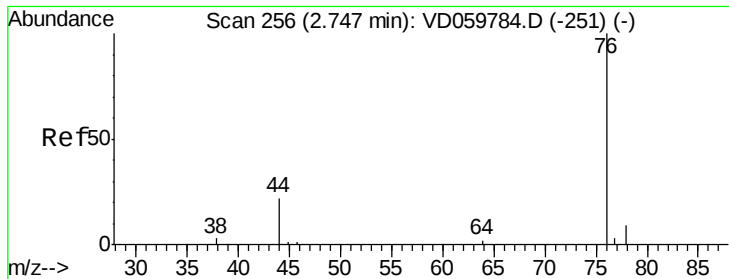
200

0

Time-->

2.55 2.60 2.65





#17

Carbon Disulfide

Concen: 1.135 ug/l

RT: 2.74 min Scan# 255

Delta R.T. -0.01 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

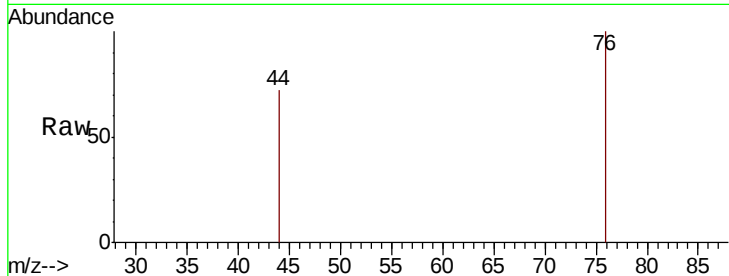
RA-081018-SW-003

Tgt Ion: 76 Resp: 4280

Ion Ratio Lower Upper

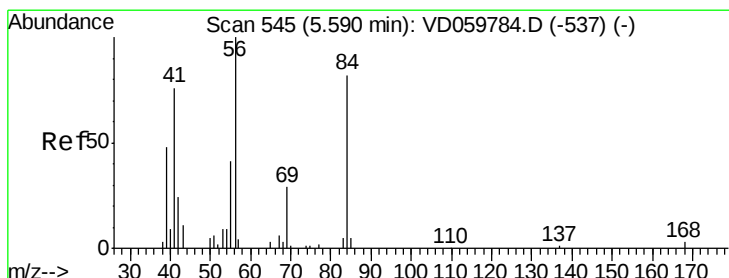
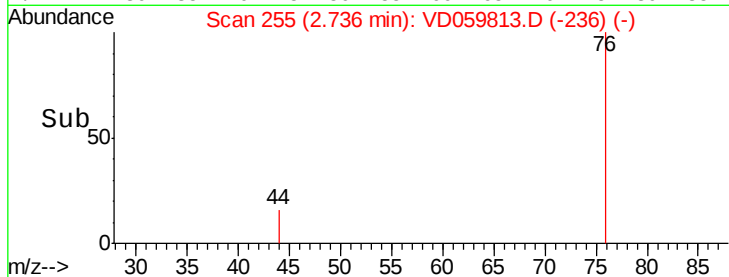
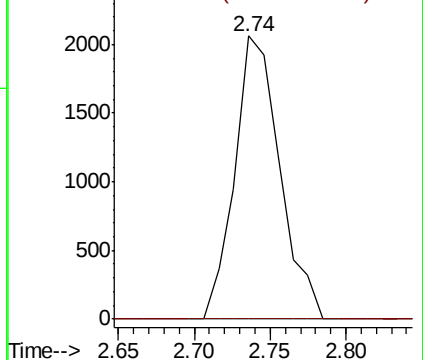
76 100

78 0.0 6.9 10.3#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#31

Cyclohexane

Concen: 1.826 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.03 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

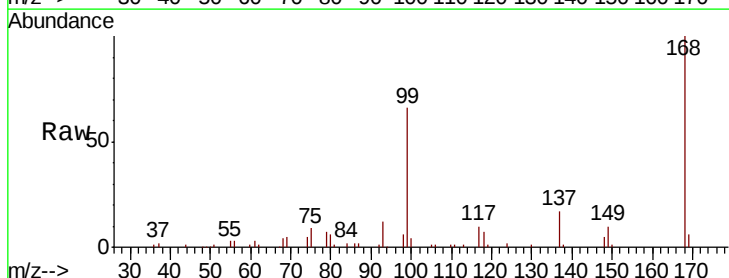
Tgt Ion: 56 Resp: 5944

Ion Ratio Lower Upper

56 100

69 209.6 23.4 35.2#

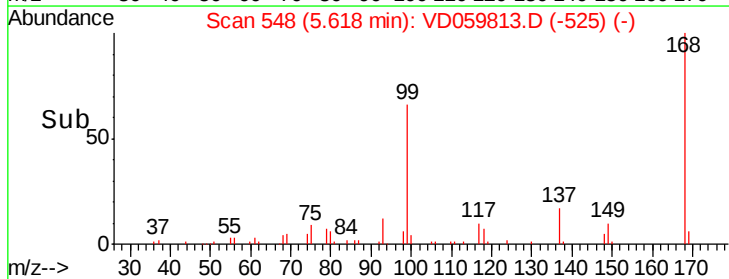
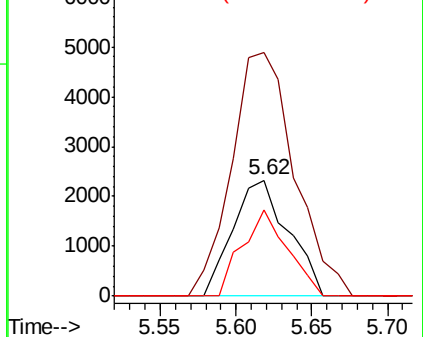
84 74.4 65.4 98.2

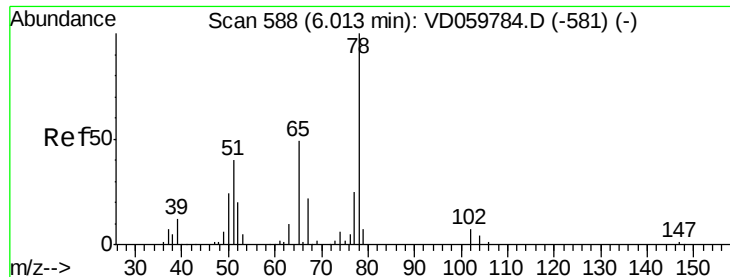


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 5.99 min Scan# 586

Delta R.T. -0.02 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

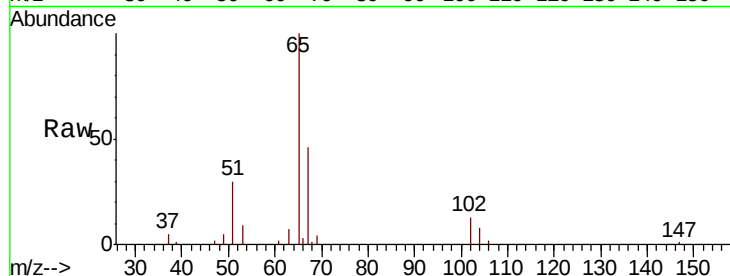
RA-081018-SW-003

Tgt Ion: 65 Resp: 159714

Ion Ratio Lower Upper

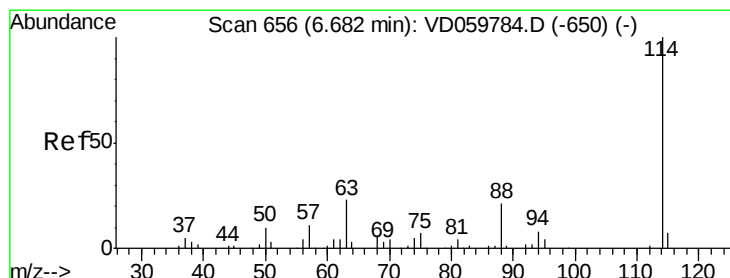
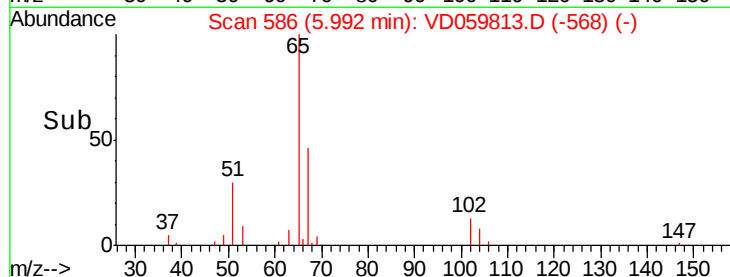
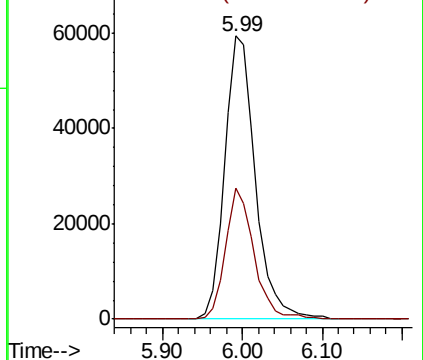
65 100

67 46.5 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.67 min Scan# 655

Delta R.T. -0.01 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

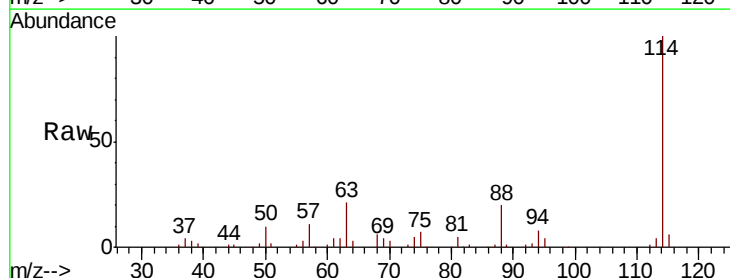
Tgt Ion: 114 Resp: 302649

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

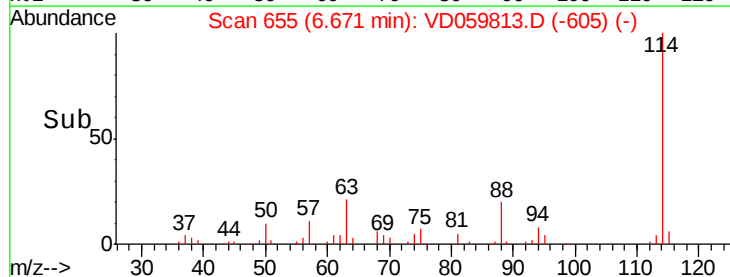
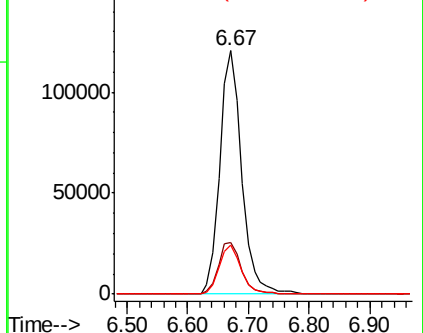
88 20.2 0.0 41.2

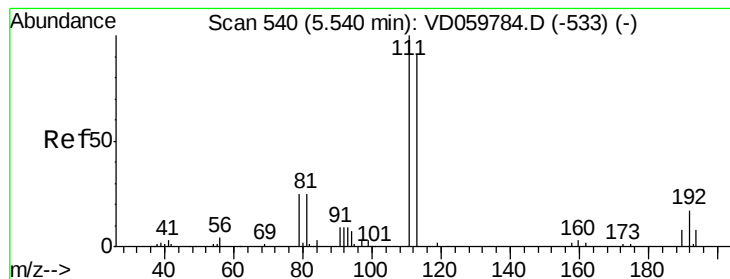


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 5.53 min Scan# 539

Delta R.T. -0.01 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

RA-081018-SW-003

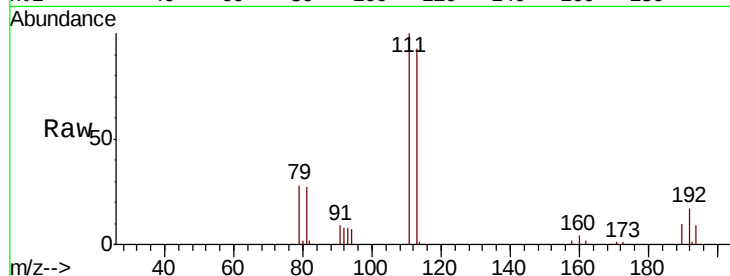
Tgt Ion:113 Resp: 141202

Ion Ratio Lower Upper

113 100

111 107.2 87.7 131.5

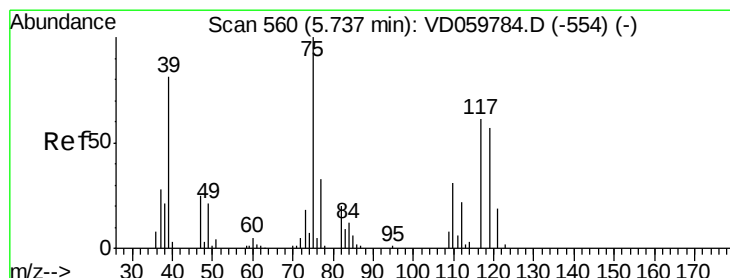
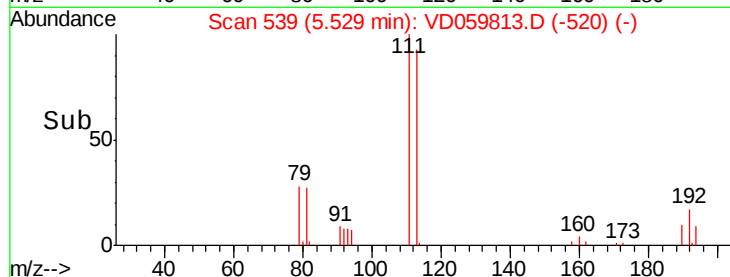
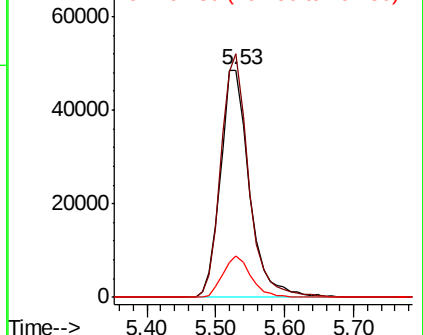
192 18.1 14.6 21.8



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



#36

1,1-Dichloropropene

Concen: 7.008 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.12 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

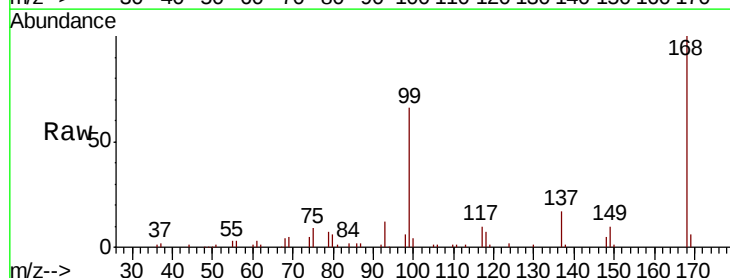
Tgt Ion: 75 Resp: 21761

Ion Ratio Lower Upper

75 100

110 7.6 15.3 45.8#

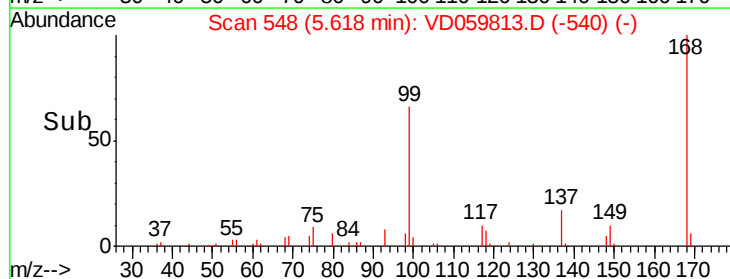
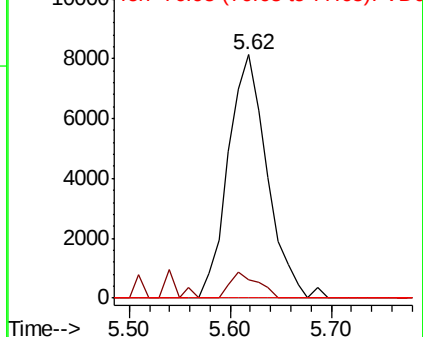
77 0.0 26.2 39.4#

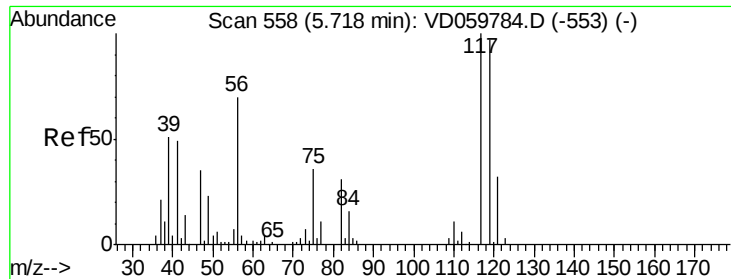


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

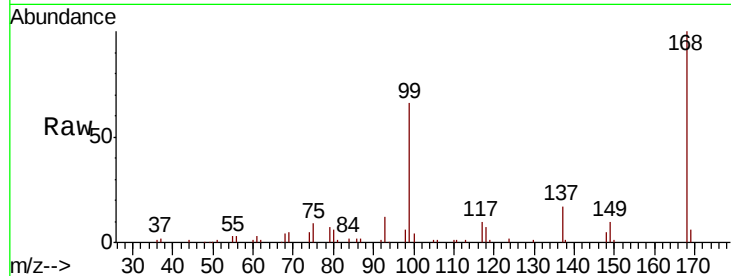




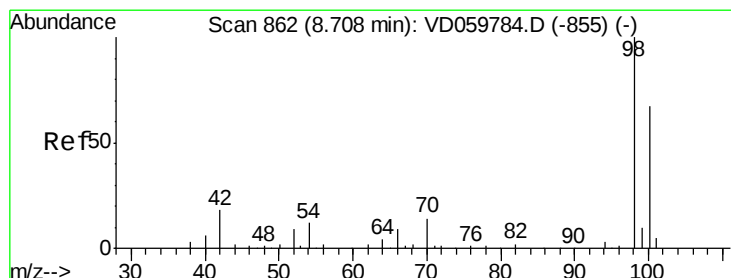
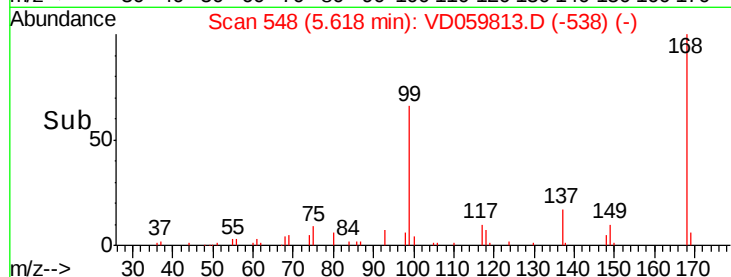
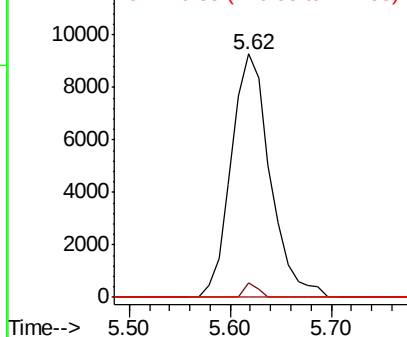
#38
Carbon Tetrachloride
Concen: 6.652 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.10 min
Lab File: VD059813.D
Acq: 16 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
RA-081018-SW-003

Tgt Ion:117 Resp: 24920
Ion Ratio Lower Upper
117 100
119 5.9 75.7 113.5#
121 0.0 24.7 37.1#

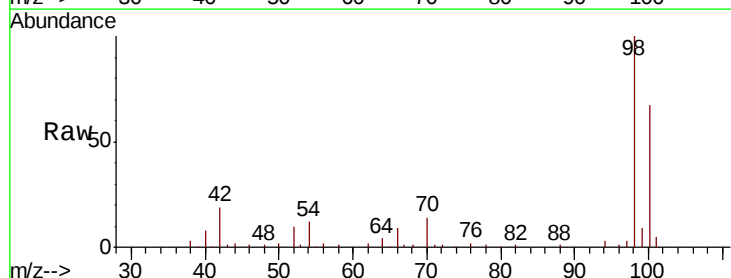


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

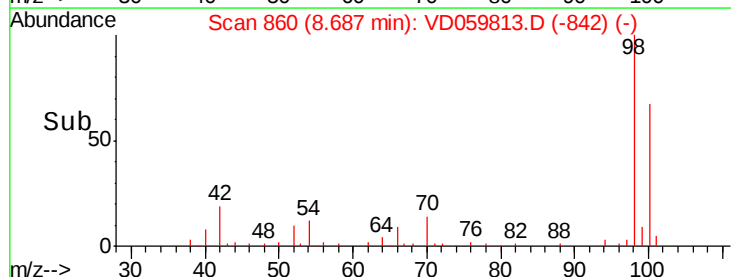
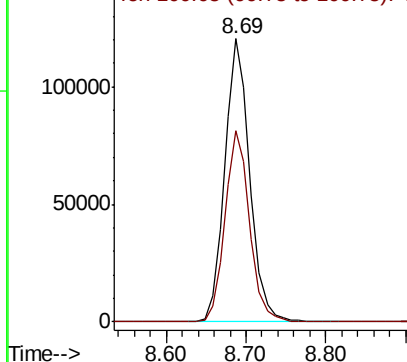


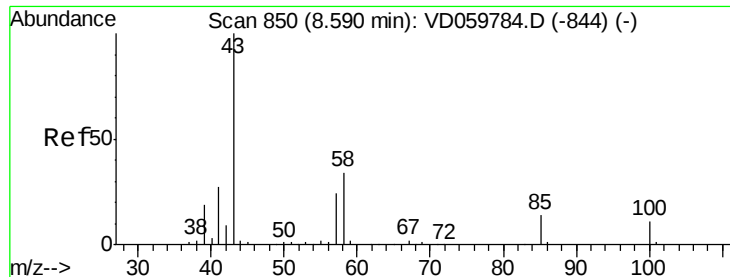
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059813.D
Acq: 16 Aug 2018 16:22

Tgt Ion: 98 Resp: 265311
Ion Ratio Lower Upper
98 100
100 67.4 54.2 81.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.101 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.10 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

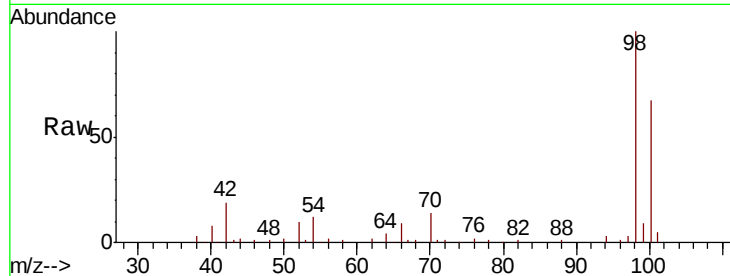
RA-081018-SW-003

Tgt Ion: 43 Resp: 1632

Ion Ratio Lower Upper

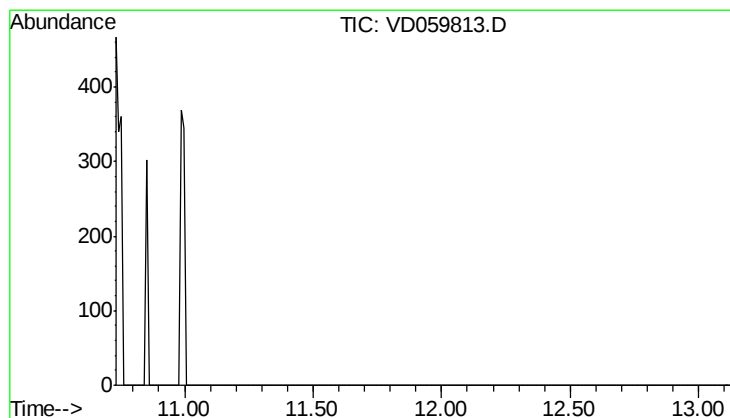
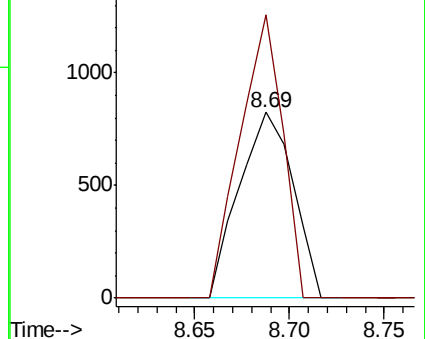
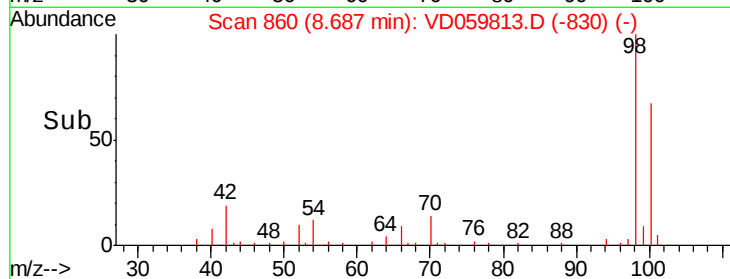
43 100

58 152.4 27.5 41.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

Expected RT: 11.92 min

Lab File: VD059813.D

Acq: 16 Aug 2018 16:22

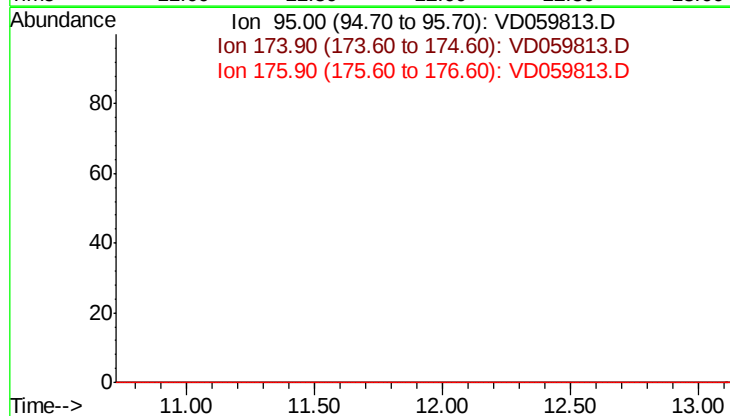
Tgt Ion: 95

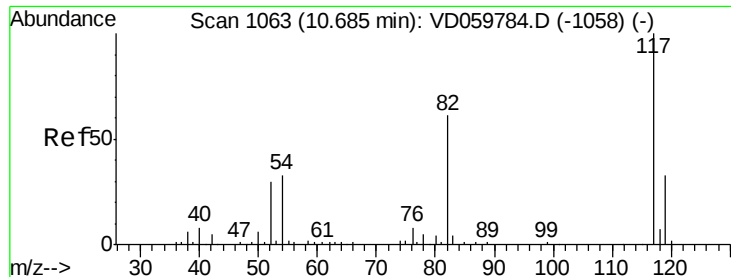
Sig Exp Ratio

95 100

174 71.1

176 68.7

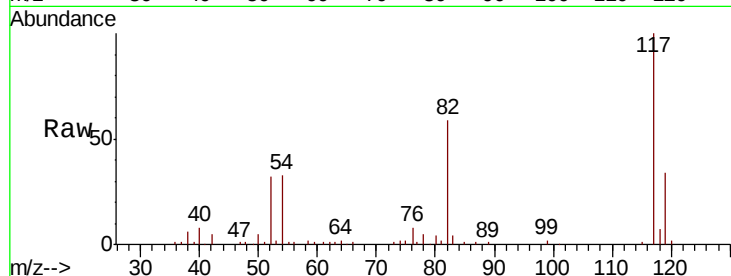




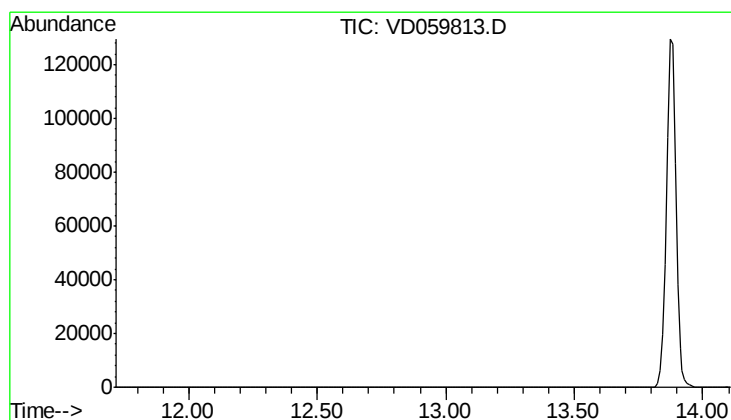
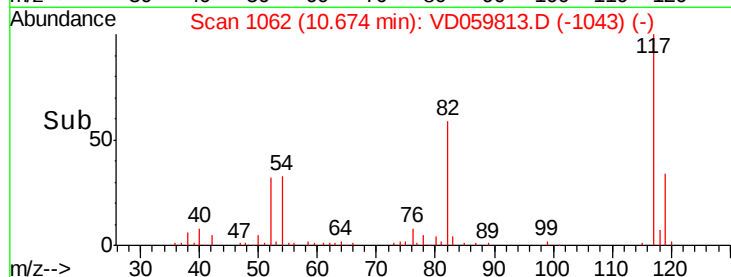
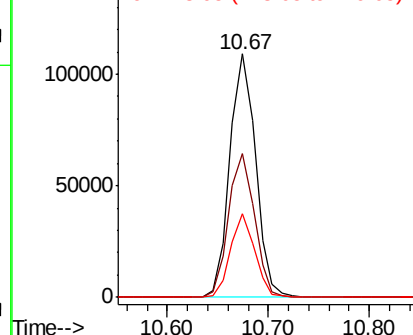
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059813.D
Acq: 16 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
RA-081018-SW-003

Tgt Ion: 117 Resp: 194149
Ion Ratio Lower Upper
117 100
82 59.2 49.0 73.6
119 34.2 26.2 39.2



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: 0.000 ug/l
Expected RT: 12.91 min

Lab File: VD059813.D
Acq: 16 Aug 2018 16:22

Tgt Ion: 152
Sig Exp Ratio
152 100
115 54.3
150 156.2

