

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058019.D
 Acq On : 8 Jun 2018 15:48
 Operator : VA/AP
 Sample : J3320-05
 Misc : 5.87g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0178

Quant Time: Jun 09 00:31:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

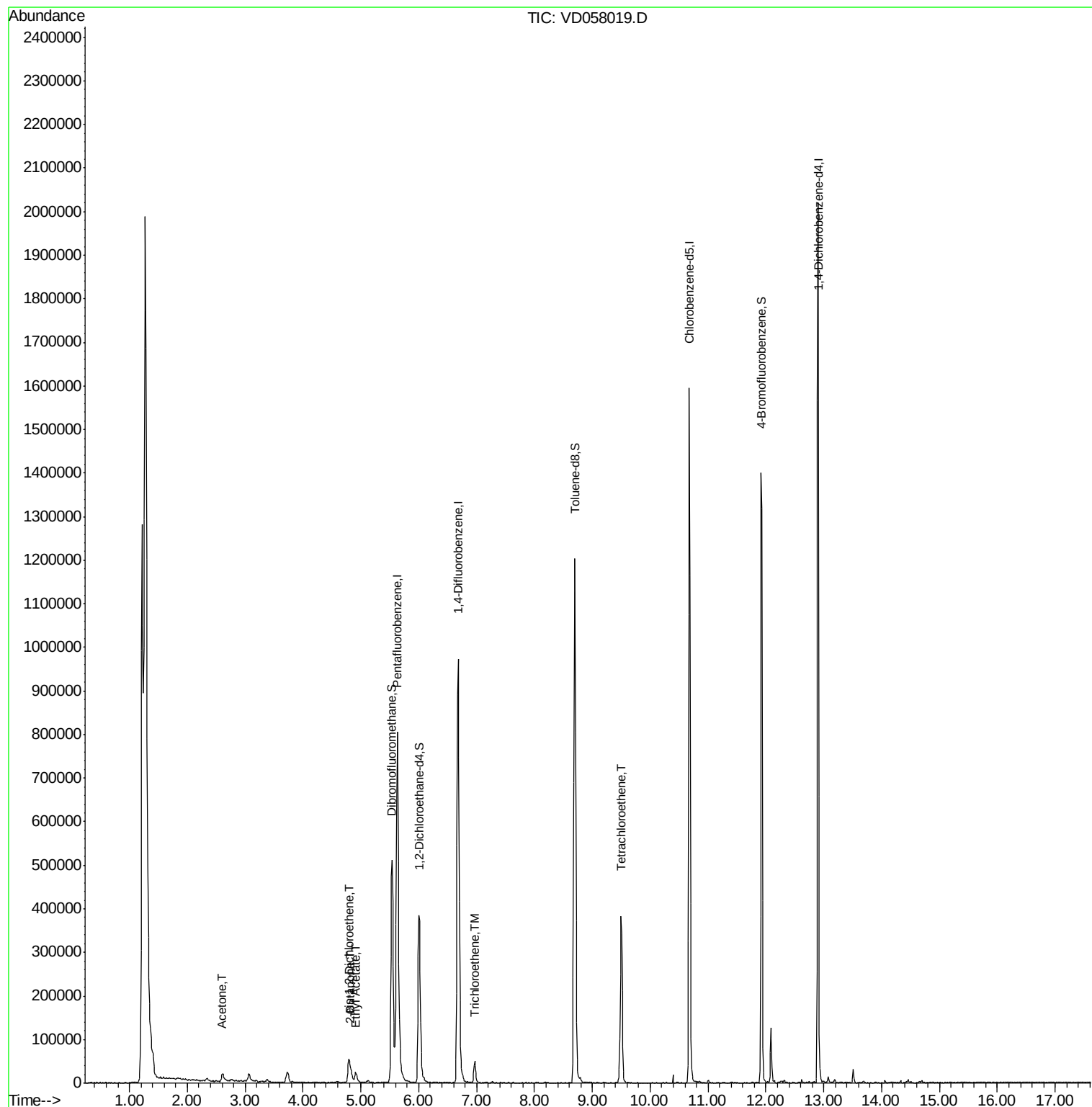
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	811558	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1003016	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	850086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	447355	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	396817	48.91	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.82%	
35) Dibromofluoromethane	5.54	113	417143	53.75	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.50%	
50) Toluene-d8	8.70	98	958551	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.92	95	403452	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
Target Compounds						
16) Acetone	2.61	43	41469	35.48	ug/l	97
25) 2-Butanone	4.83	43	10105	3.80	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	31617	3.68	ug/l	70
37) Ethyl Acetate	4.91	43	44821	7.43	ug/l #	97
44) Trichloroethene	6.97	130	18669	2.48	ug/l	90
64) Tetrachloroethene	9.50	164	112023	14.74	ug/l	98

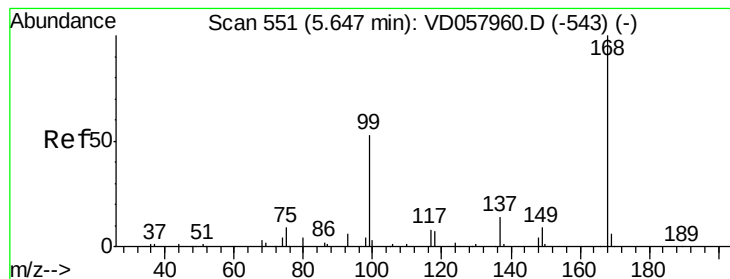
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

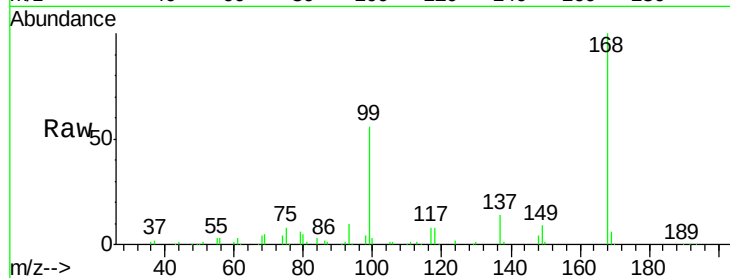
S39-0178

Tot Ion:168 Resp: 811558

Ion Ratio Lower Upper

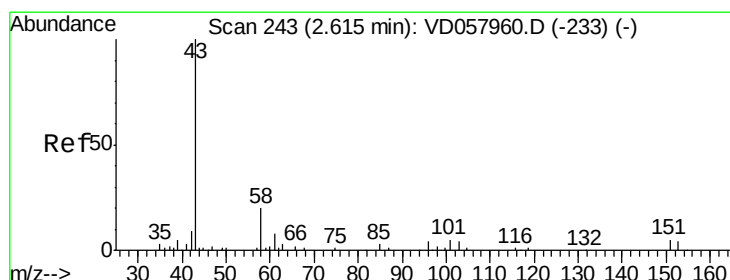
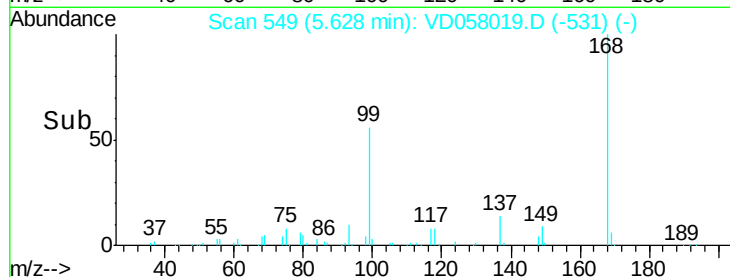
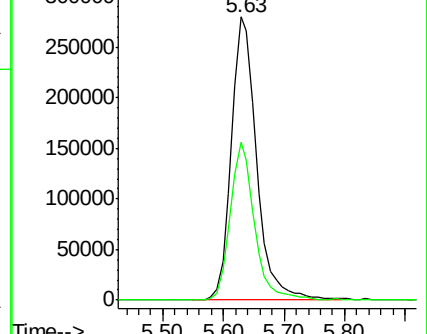
168 100

99 56.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 35.48 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058019.D

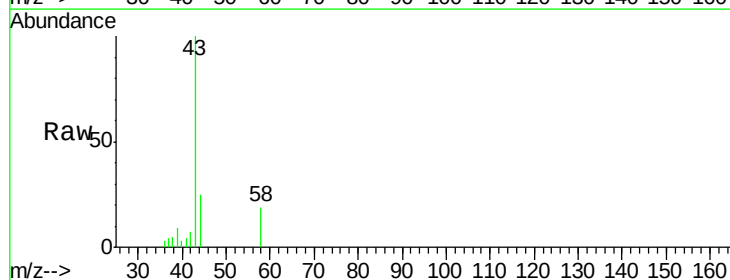
Acq: 8 Jun 2018 15:48

Tgt Ion: 43 Resp: 41469

Ion Ratio Lower Upper

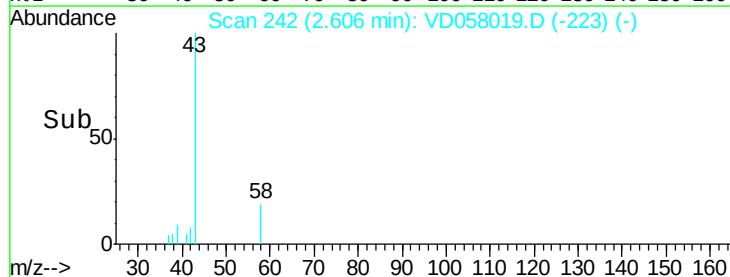
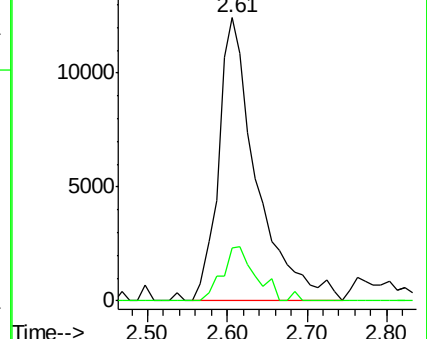
43 100

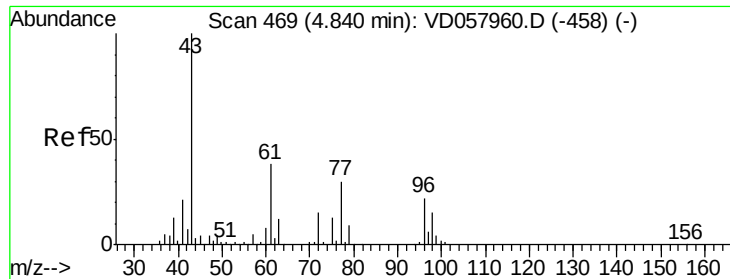
58 18.5 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 3.80 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

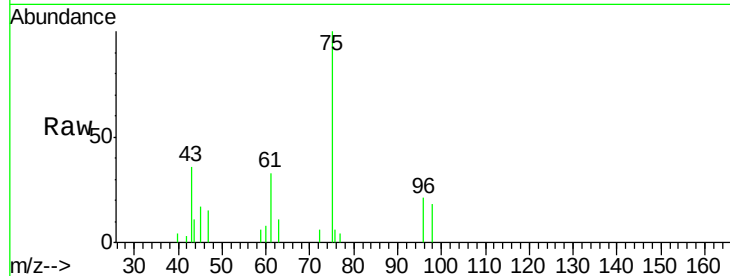
S39-0178

Tot Ion: 43 Resp: 10105

Ion Ratio Lower Upper

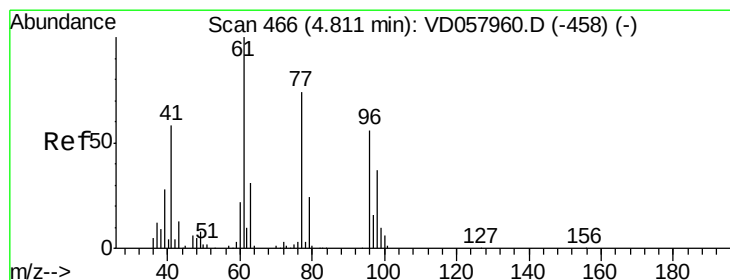
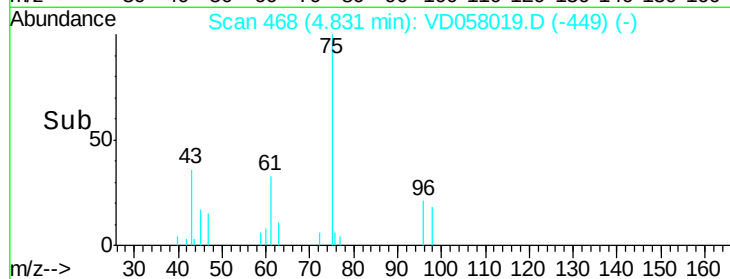
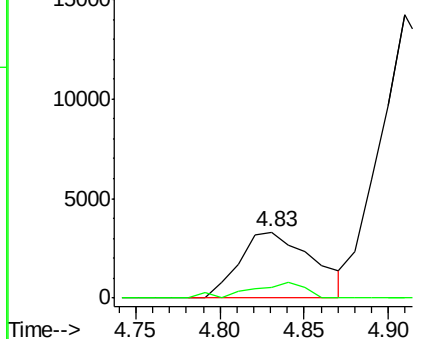
43 100

72 16.2 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#27

cis-1,2-Dichloroethene

Concen: 3.68 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

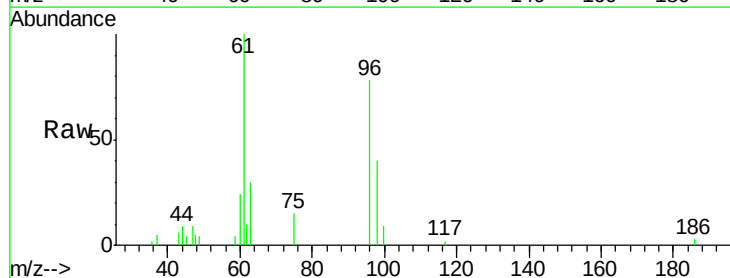
Tgt Ion: 96 Resp: 31617

Ion Ratio Lower Upper

96 100

61 128.7 0.0 355.0

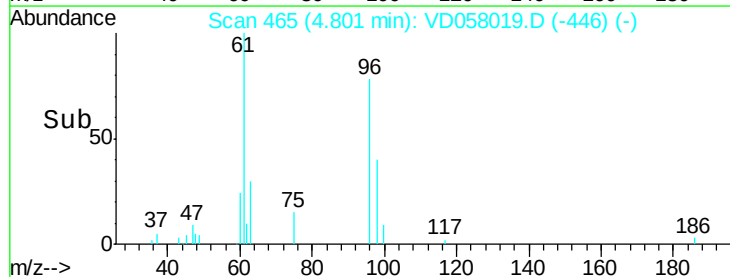
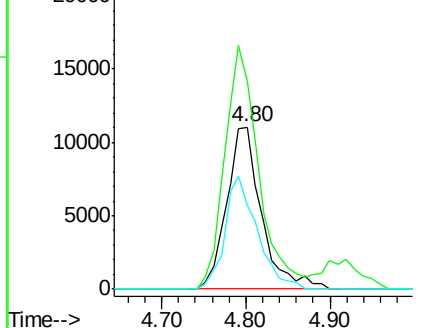
98 52.0 0.0 129.6

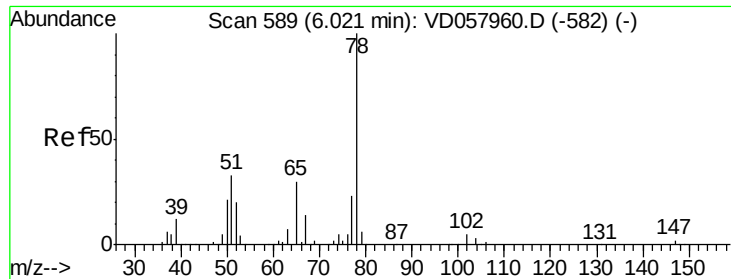


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

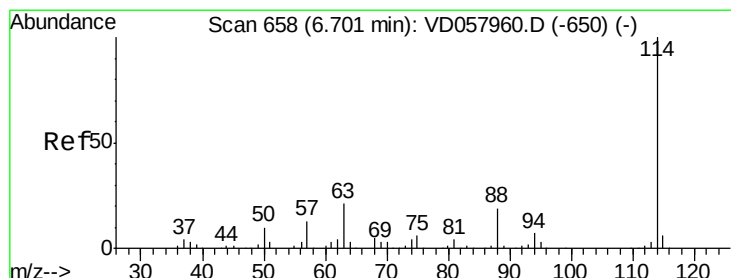
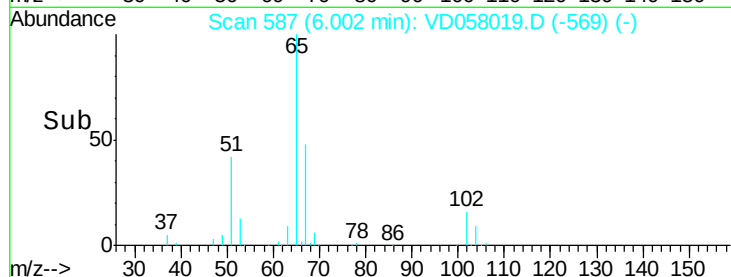
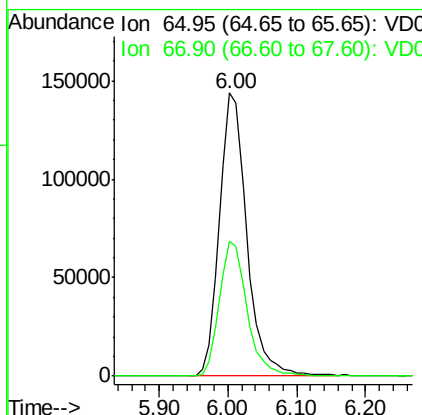
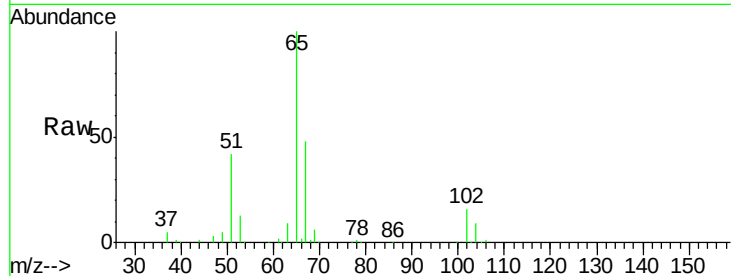




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD058019.D
 Acq: 8 Jun 2018 15:48

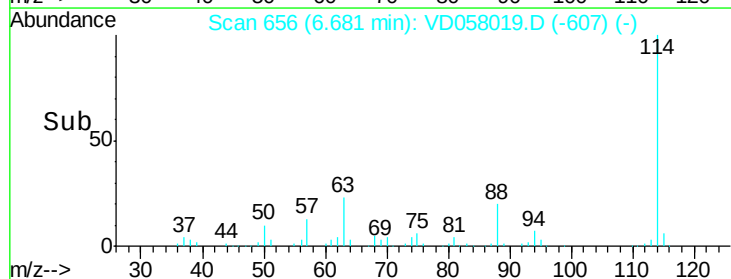
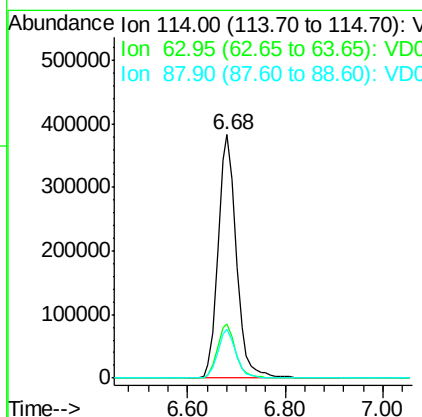
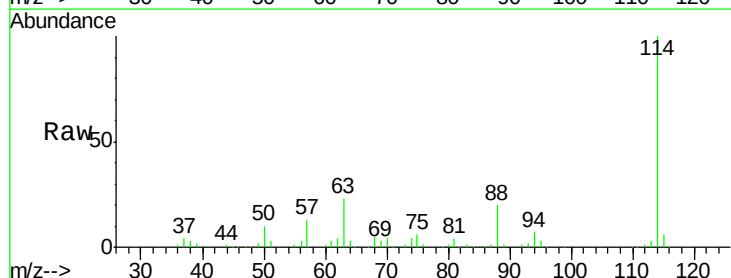
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0178

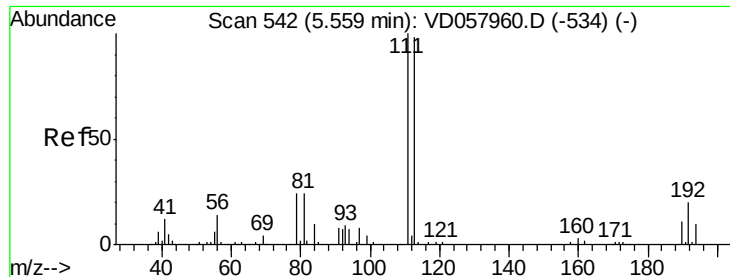
Tot Ion: 65 Resp: 396817
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058019.D
 Acq: 8 Jun 2018 15:48

Tgt Ion: 114 Resp: 1003016
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.8
 88 20.1 0.0 37.8

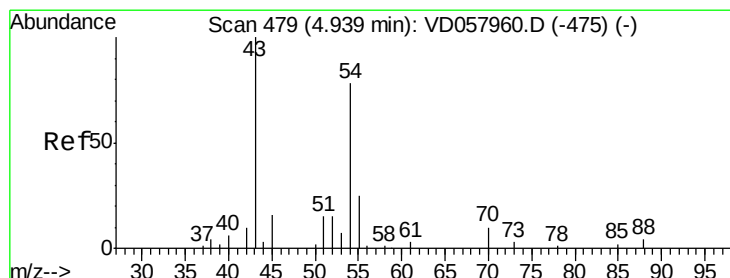
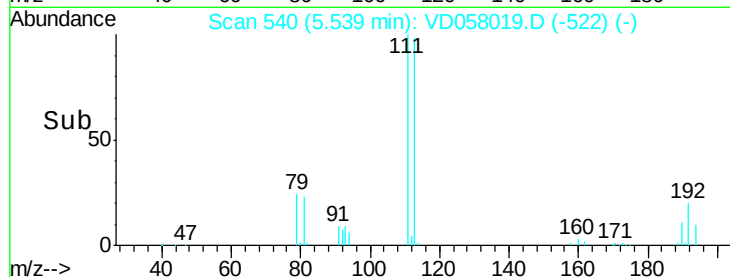
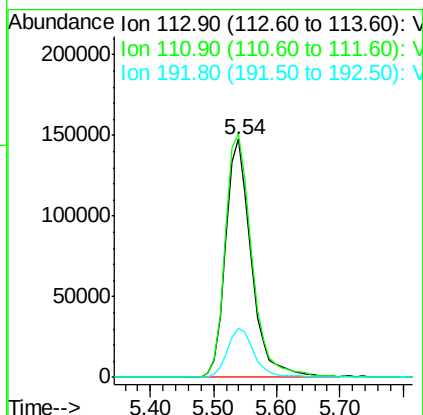
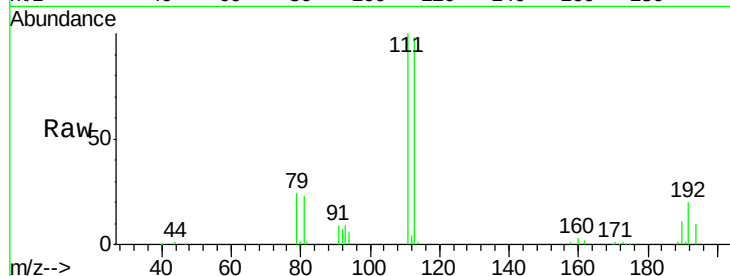




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD058019.D
 Acq: 8 Jun 2018 15:48

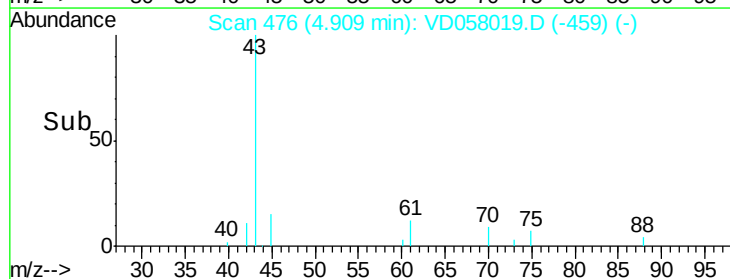
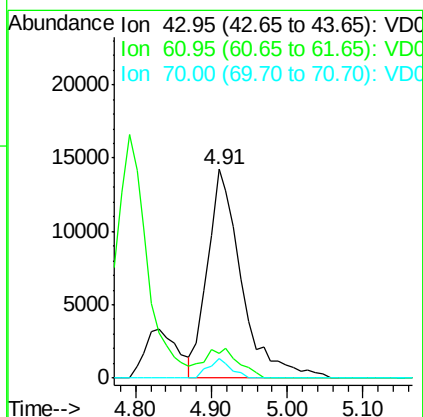
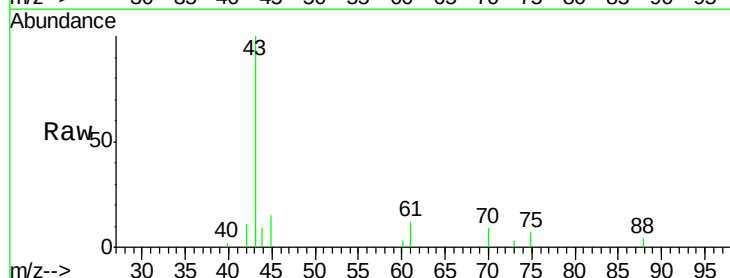
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0178

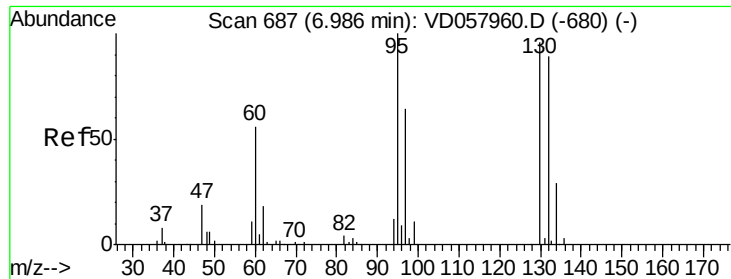
Tot Ion:113 Resp: 417143
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.5 122.3
 192 20.8 16.4 24.6



#37
 Ethyl Acetate
 Concen: 7.43 ug/l
 RT: 4.91 min Scan# 476
 Delta R.T. -0.03 min
 Lab File: VD058019.D
 Acq: 8 Jun 2018 15:48

Tgt Ion: 43 Resp: 44821
 Ion Ratio Lower Upper
 43 100
 61 12.0 9.9 14.9
 70 9.4 5.7 8.5#





#44

Trichloroethene

Concen: 2.48 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.02 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

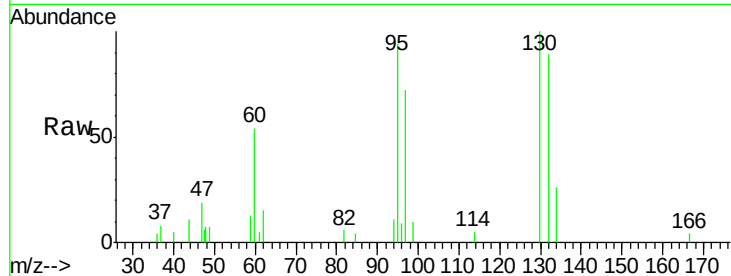
S39-0178

Tot Ion:130 Resp: 18669

Ion Ratio Lower Upper

130 100

95 93.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

6.97

8000

6000

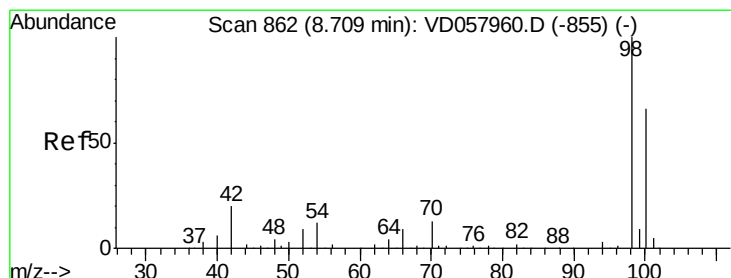
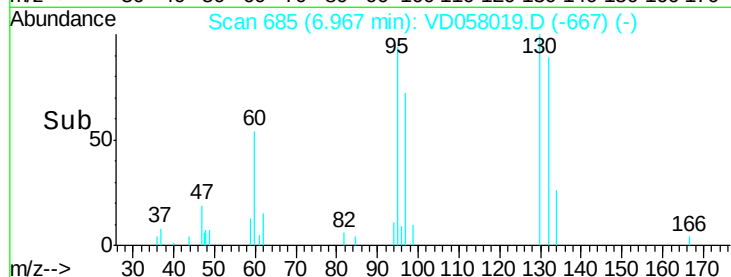
4000

2000

0

6.90 6.95 7.00 7.05

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058019.D

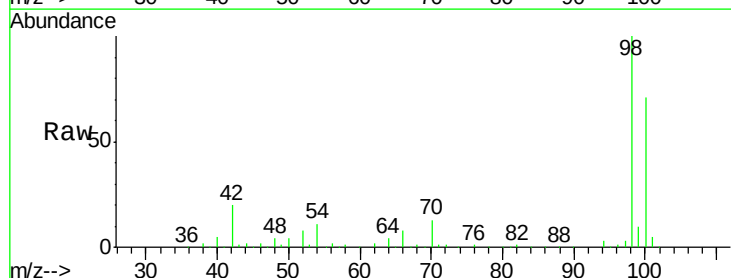
Acq: 8 Jun 2018 15:48

Tgt Ion: 98 Resp: 958551

Ion Ratio Lower Upper

98 100

100 70.5 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.70

400000

300000

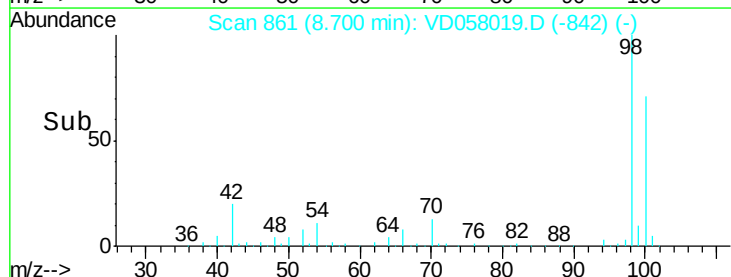
200000

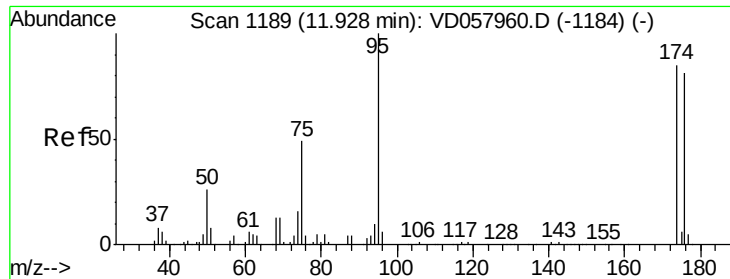
100000

0

8.60 8.70 8.80

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

Instrument :

MSVOA_D

ClientSampleId :

S39-0178

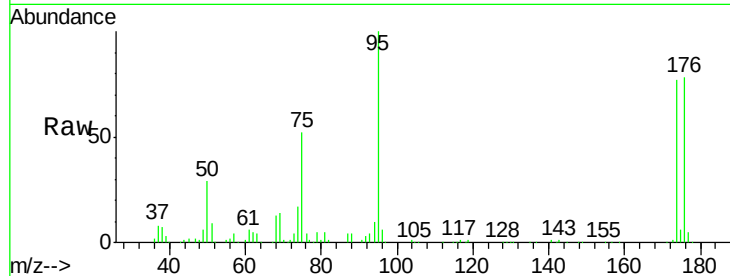
Tot Ion: 95 Resp: 403452

Ion Ratio Lower Upper

95 100

174 76.6 0.0 169.4

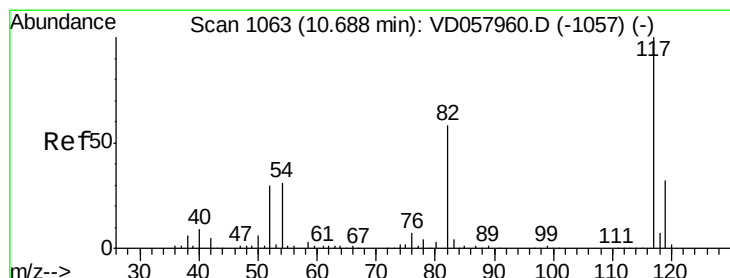
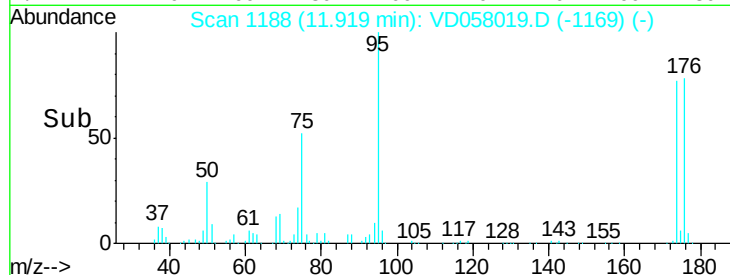
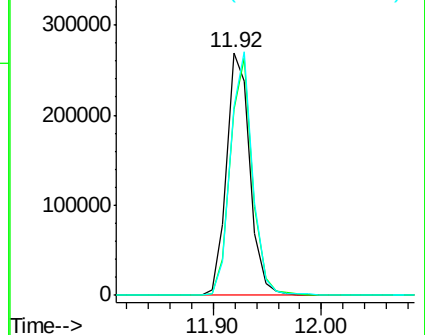
176 77.6 0.0 162.6



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: 50.00 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058019.D

Acq: 8 Jun 2018 15:48

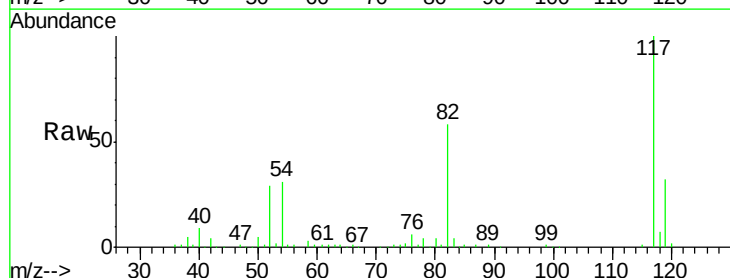
Tgt Ion: 117 Resp: 850086

Ion Ratio Lower Upper

117 100

82 58.0 46.8 70.2

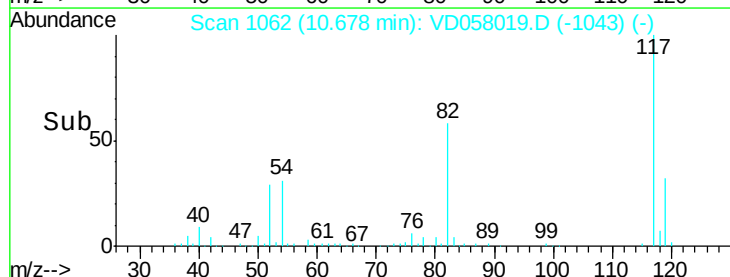
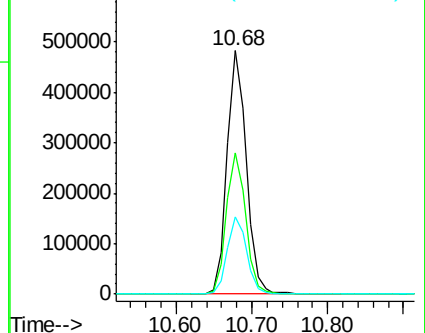
119 31.8 25.8 38.6

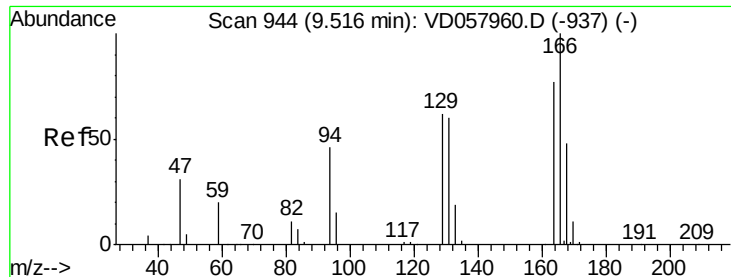


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

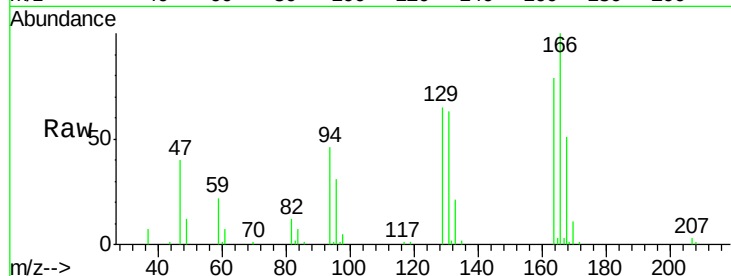




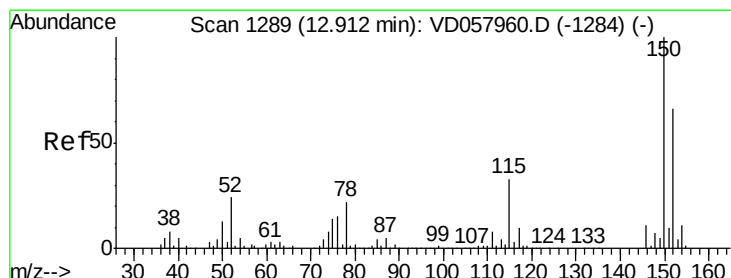
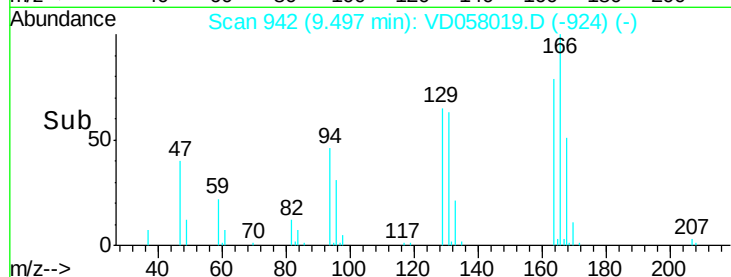
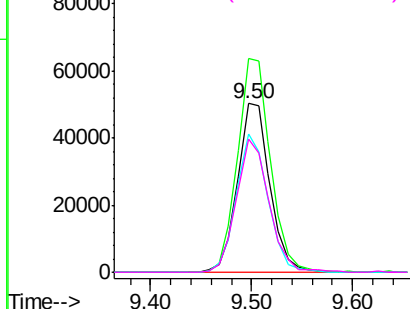
#64
Tetrachloroethene
Concen: 14.74 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Instrument :
MSVOA_D
ClientSampleId :
S39-0178

Tot Ion:164 Resp: 112023
Ion Ratio Lower Upper
164 100
166 126.6 104.4 156.6
129 81.7 65.0 97.6
131 79.2 62.9 94.3

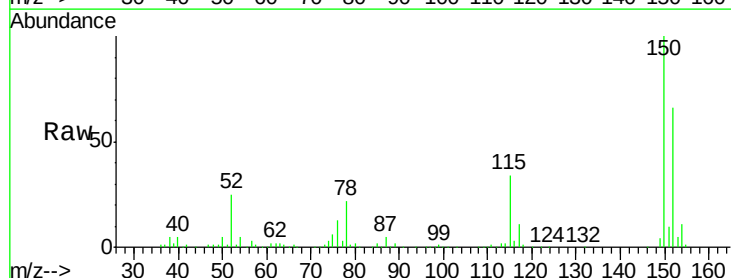


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058019.D
Acq: 8 Jun 2018 15:48

Tgt Ion:152 Resp: 447355
Ion Ratio Lower Upper
152 100
115 52.3 25.6 76.6
150 151.8 0.0 306.8



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

