

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059639.D
 Acq On : 31 Jul 2018 1:01
 Operator : VA/AP
 Sample : J4192-08
 Misc : 8.78g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-001-D

Quant Time: Jul 31 05:19:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	131275	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.68	114	166973	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	133965	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	70927	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	101378	61.43	ug/l	0.03
Spiked Amount 50.000			Recovery	=	122.86%	
35) Dibromofluoromethane	5.54	113	87968	61.42	ug/l	0.03
Spiked Amount 50.000			Recovery	=	122.84%	
50) Toluene-d8	8.70	98	178052	54.80	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.60%	
62) 4-Bromofluorobenzene	11.93	95	77344	52.85	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.70%	

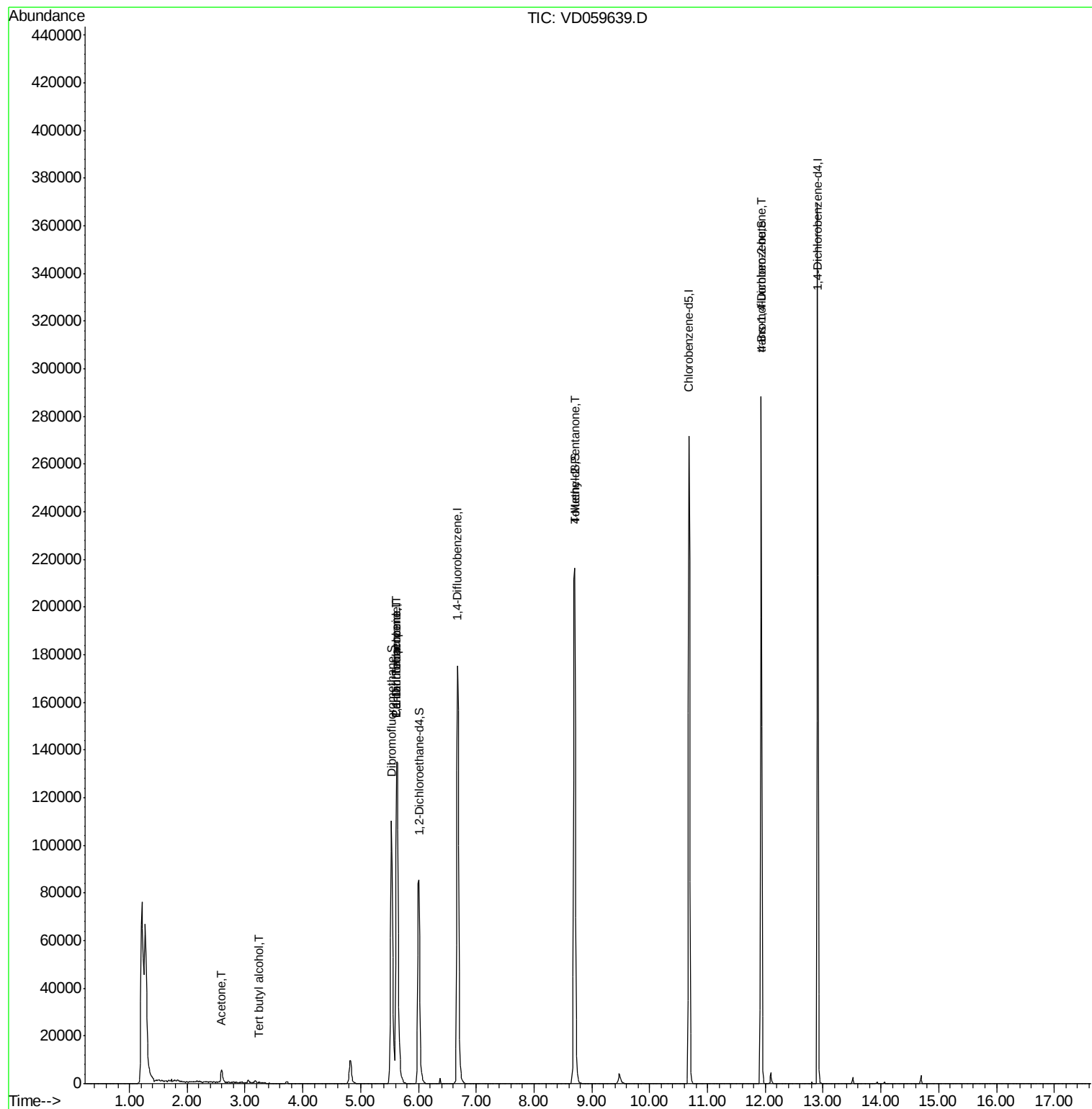
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.23	59	192	2.92	ug/l #	80
16) Acetone	2.59	43	9170	36.79	ug/l #	90
31) Cyclohexane	5.63	56	3200	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	12298	7.34	ug/l #	51
38) Carbon Tetrachloride	5.63	117	13162	5.74	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	1173	1.47	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	44368	147.95	ug/l #	1

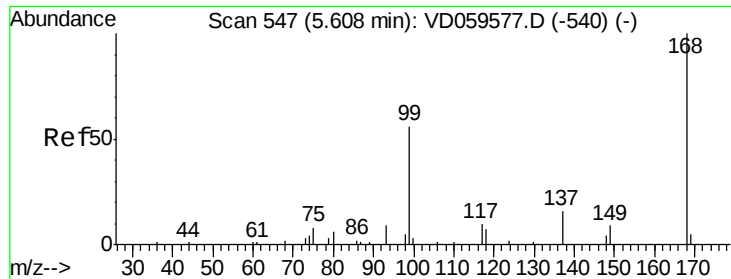
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.03 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

Instrument :

MSVOA_D

ClientSampleId :

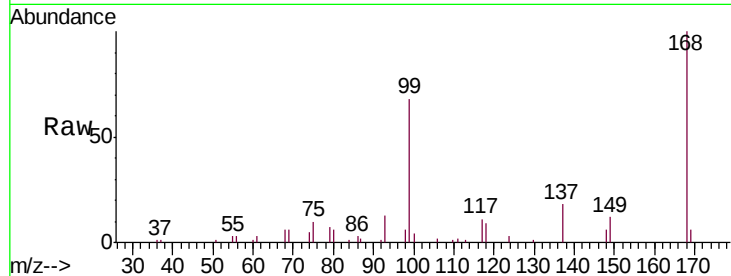
FK-BPM-03-001-D

Tot Ion:168 Resp: 131275

Ion Ratio Lower Upper

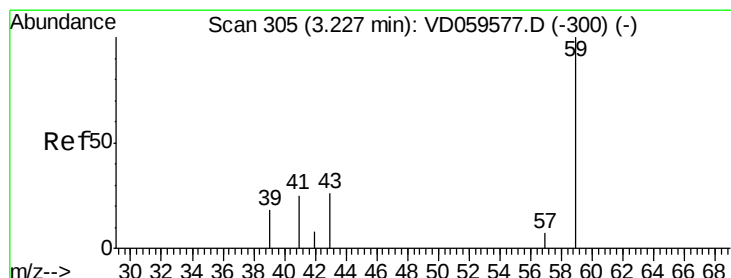
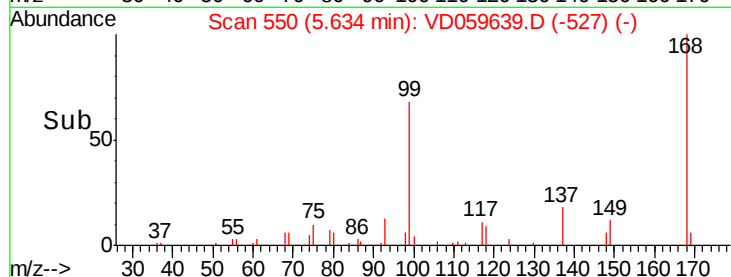
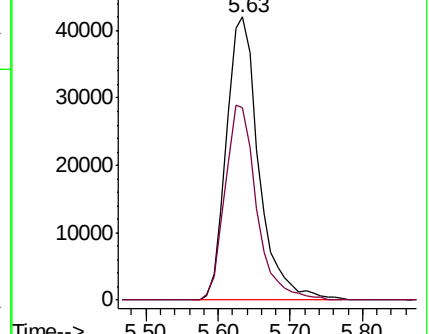
168 100

99 68.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.92 ug/l

RT: 3.23 min Scan# 306

Delta R.T. 0.01 min

Lab File: VD059639.D

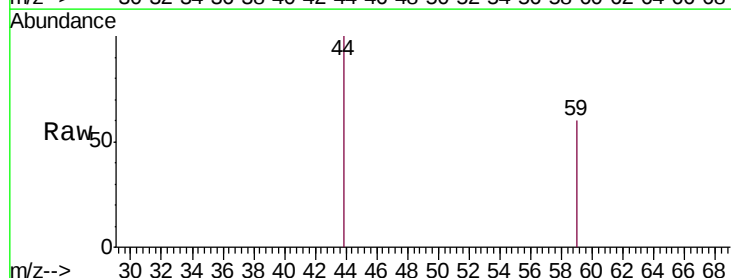
Acq: 31 Jul 2018 1:01

Tgt Ion: 59 Resp: 192

Ion Ratio Lower Upper

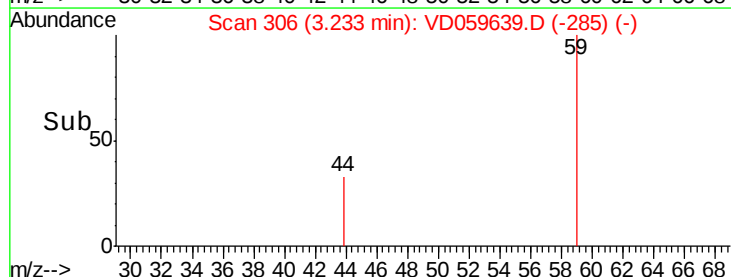
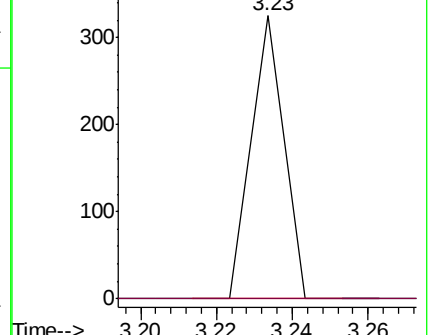
59 100

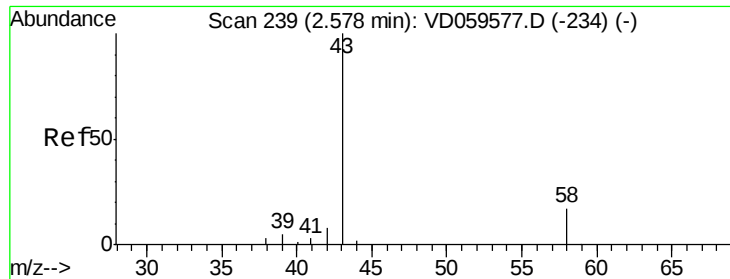
57 0.0 5.5 8.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 36.79 ug/l

RT: 2.59 min Scan# 241

Delta R.T. 0.02 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

Instrument :

MSVOA_D

ClientSampleId :

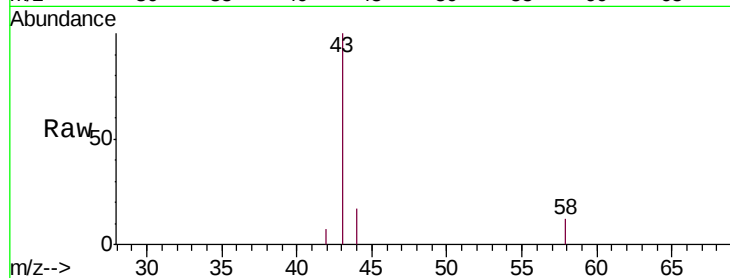
FK-BPM-03-001-D

Tot Ion: 43 Resp: 9170

Ion Ratio Lower Upper

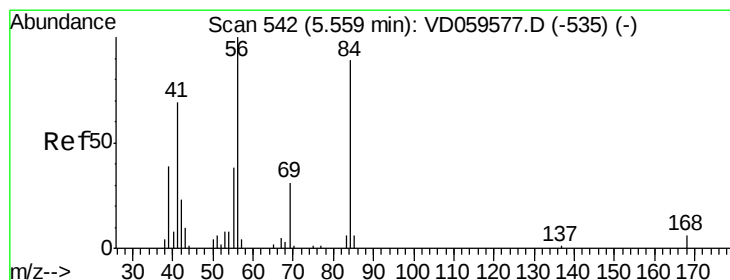
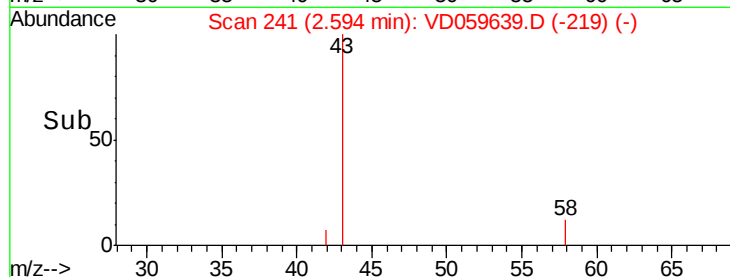
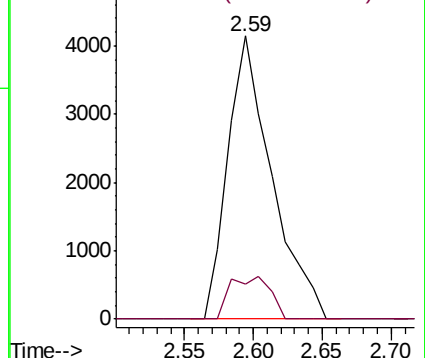
43 100

58 12.4 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 550

Delta R.T. 0.08 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

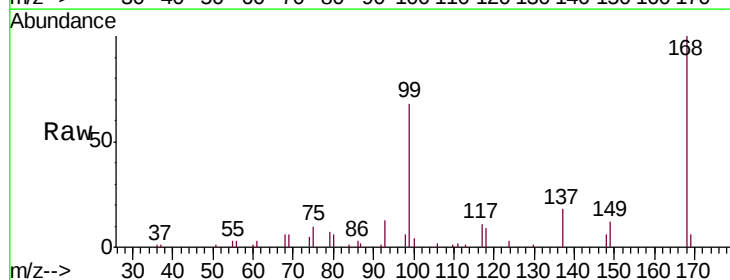
Tgt Ion: 56 Resp: 3200

Ion Ratio Lower Upper

56 100

69 172.1 24.6 37.0#

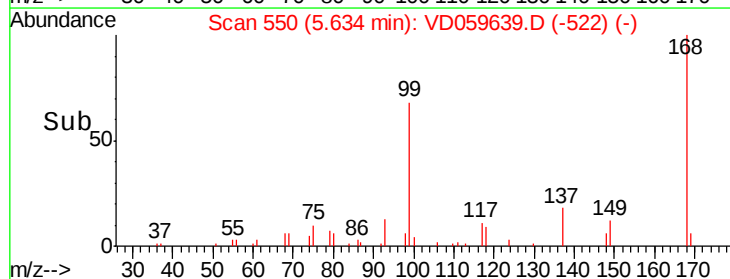
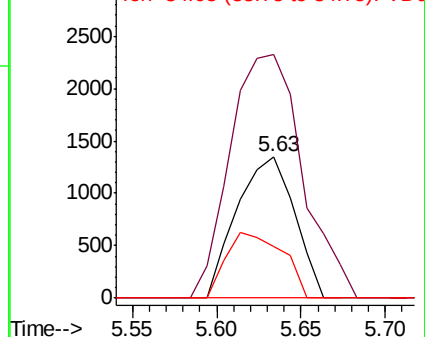
84 36.7 72.7 109.1#

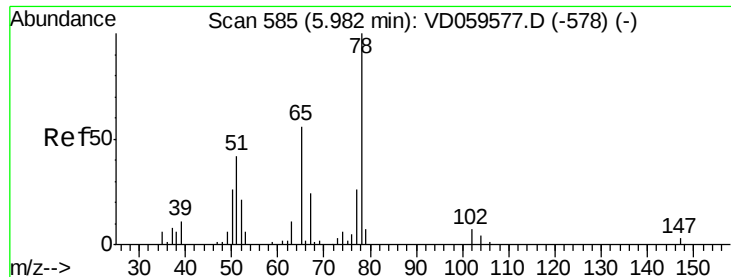


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.01 min Scan# 588

Delta R.T. 0.03 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

Instrument :

MSVOA_D

ClientSampleId :

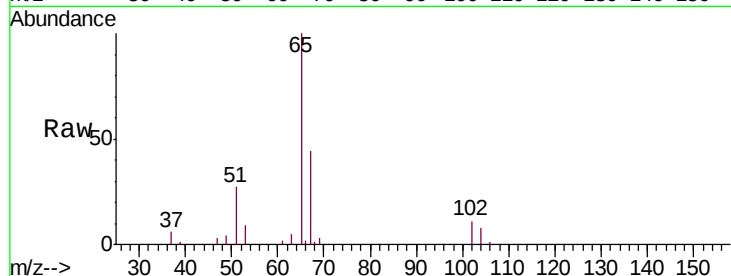
FK-BPM-03-001-D

Tot Ion: 65 Resp: 101378

Ion Ratio Lower Upper

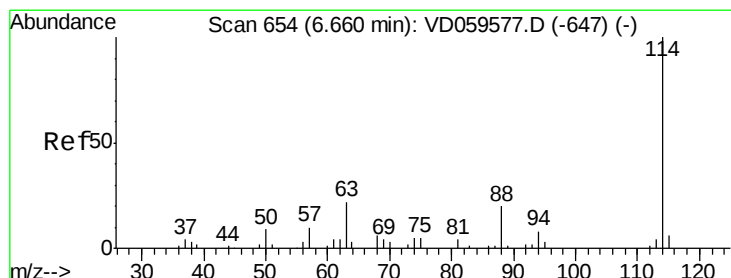
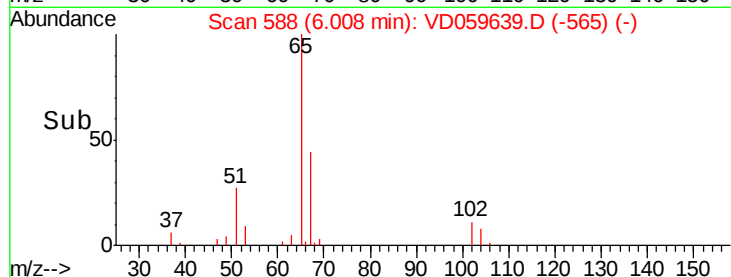
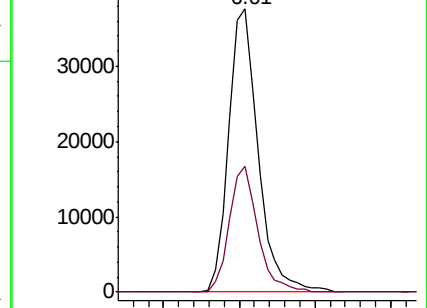
65 100

67 44.3 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. 0.02 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

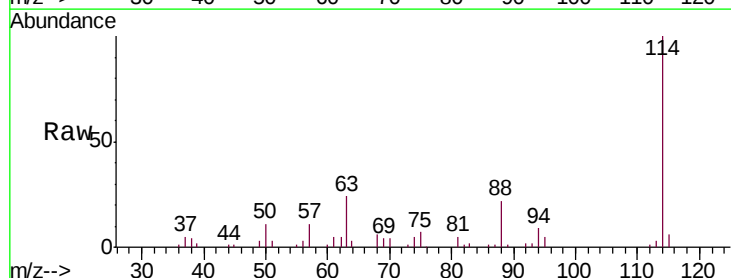
Tgt Ion: 114 Resp: 166973

Ion Ratio Lower Upper

114 100

63 24.1 0.0 43.8

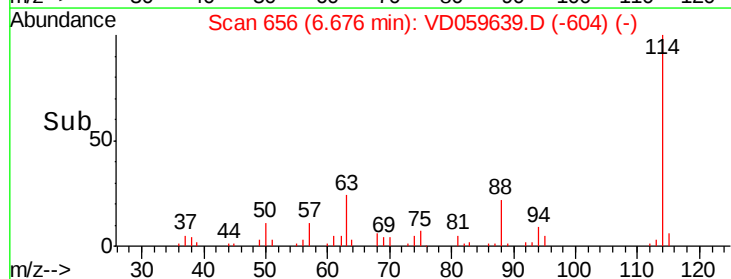
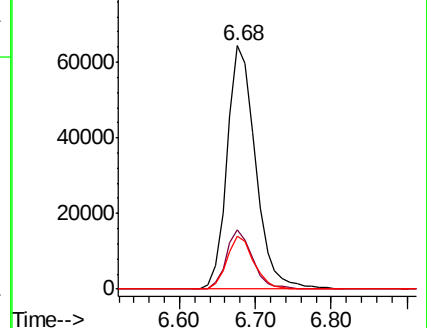
88 21.9 0.0 39.0

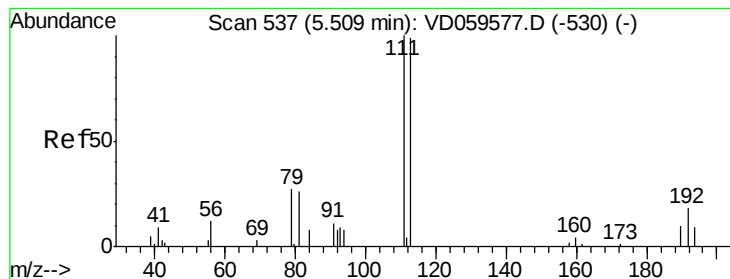


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. 0.03 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-001-D

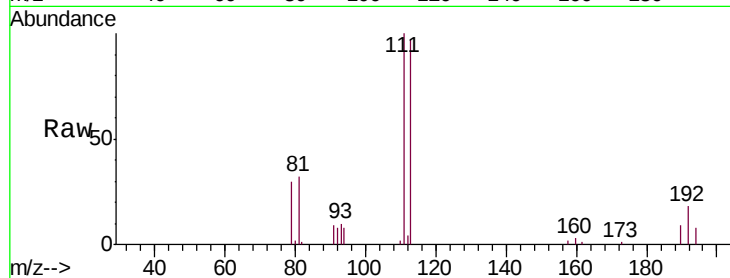
Tot Ion:113 Resp: 87968

Ion Ratio Lower Upper

113 100

111 103.2 80.5 120.7

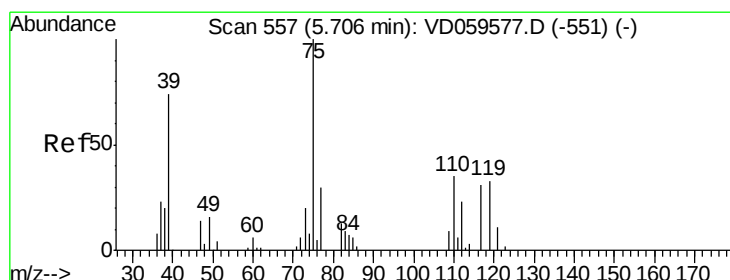
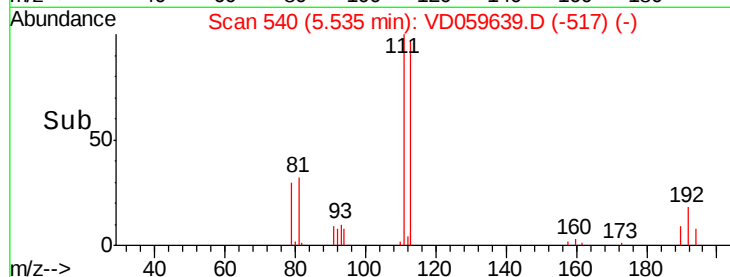
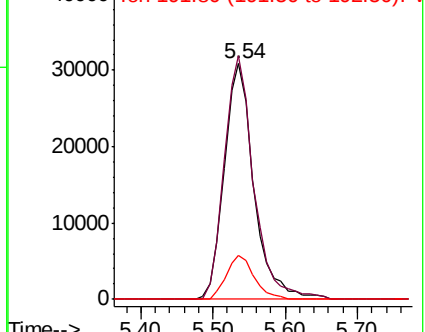
192 18.8 14.5 21.7



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: 7.34 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.08 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

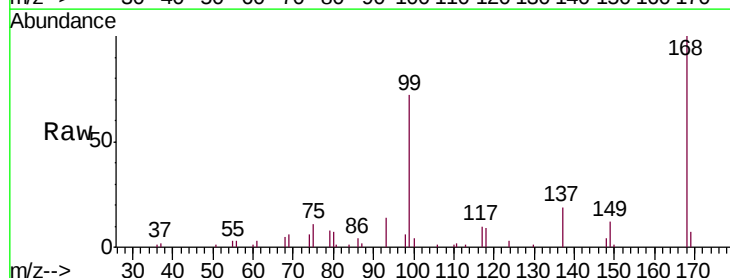
Tgt Ion: 75 Resp: 12298

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

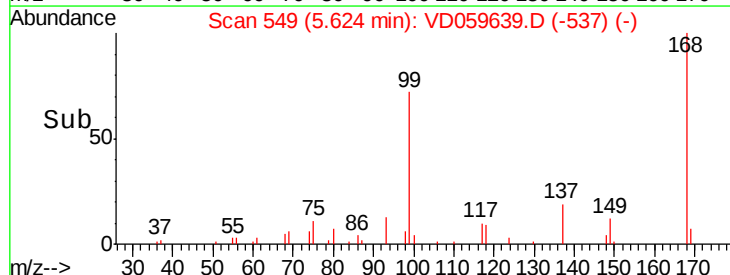
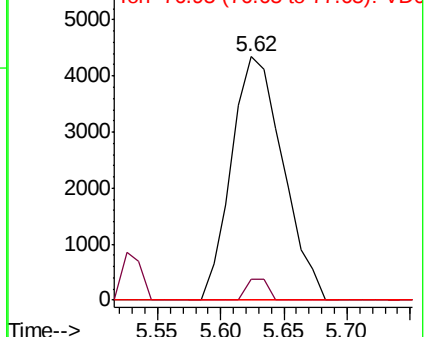
77 0.0 23.6 35.4#

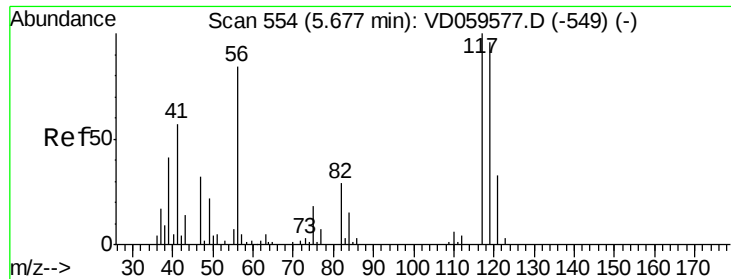


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

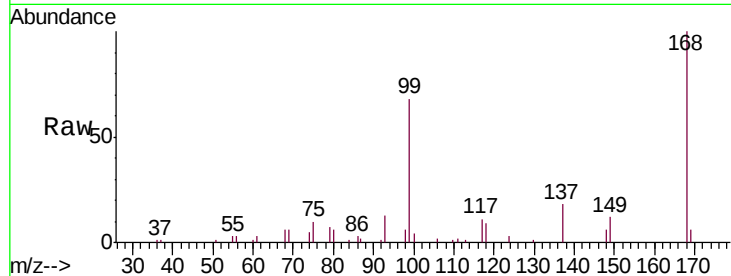




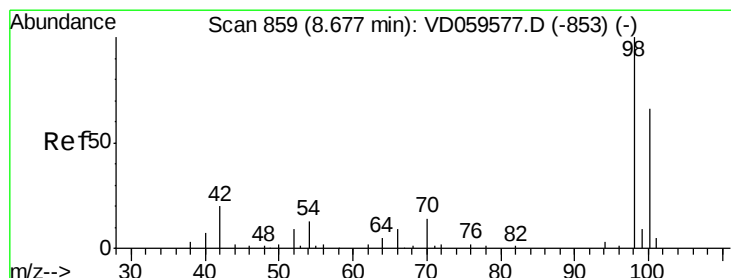
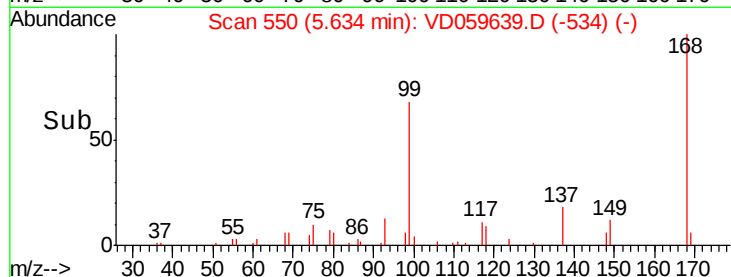
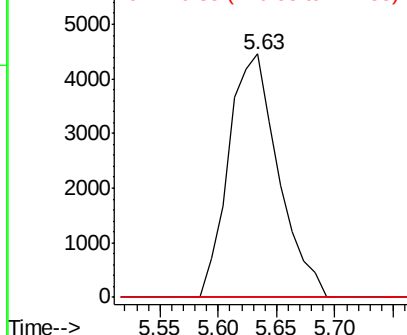
#38
Carbon Tetrachloride
Concen: 5.74 ug/l
RT: 5.63 min Scan# 550
Delta R.T. -0.04 min
Lab File: VD059639.D
Acq: 31 Jul 2018 1:01

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-001-D

Tot Ion:117 Resp: 13162
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.0 37.6#

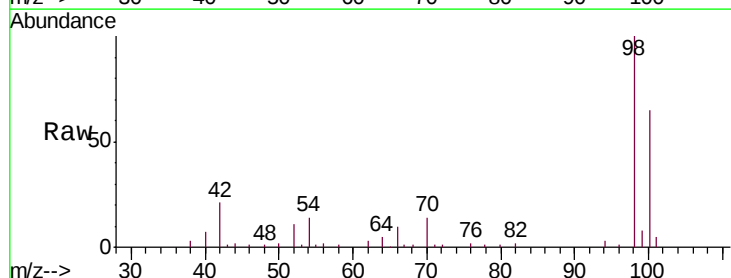


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

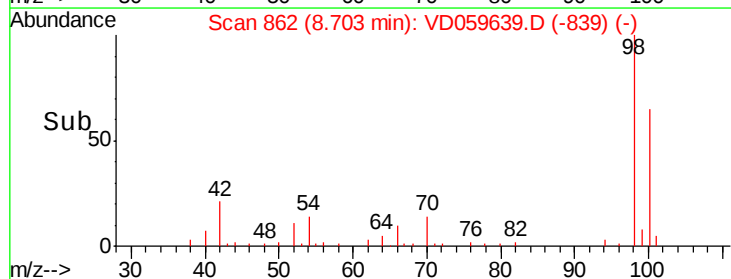
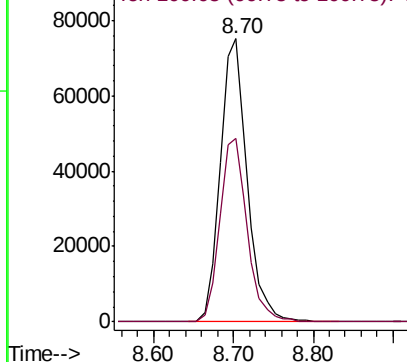


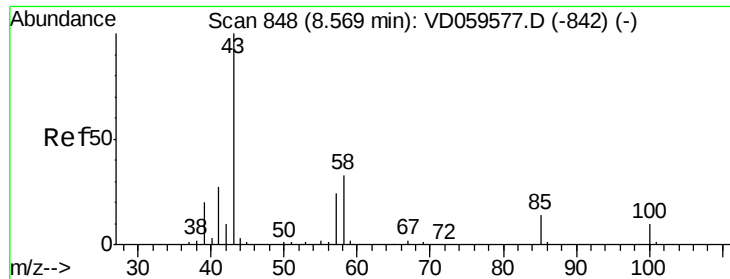
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.03 min
Lab File: VD059639.D
Acq: 31 Jul 2018 1:01

Tgt Ion: 98 Resp: 178052
Ion Ratio Lower Upper
98 100
100 64.7 53.2 79.8



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: 1.47 ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.13 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

Instrument :

MSVOA_D

ClientSampleId :

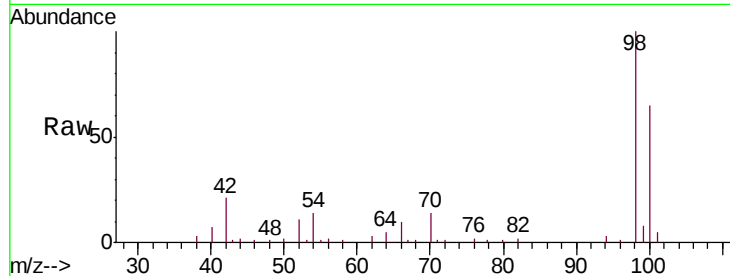
FK-BPM-03-001-D

Tot Ion: 43 Resp: 1173

Ion Ratio Lower Upper

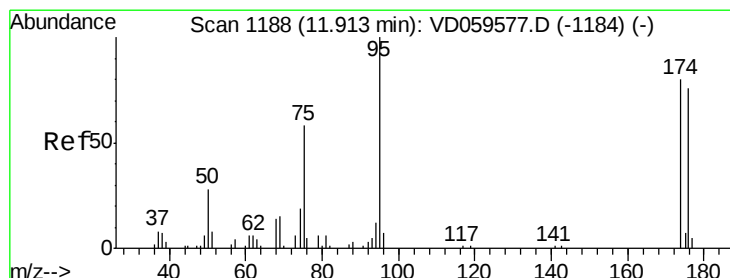
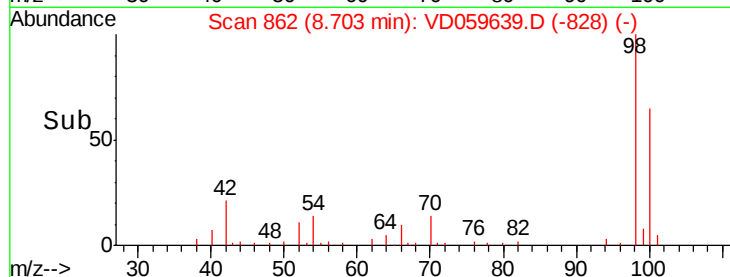
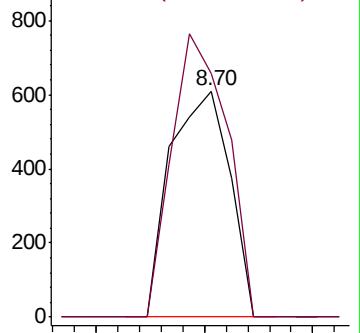
43 100

58 107.5 26.3 39.5#



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

RT: 11.93 min Scan# 1190

Delta R.T. 0.02 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

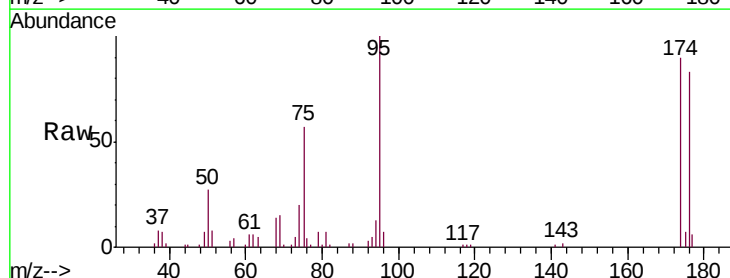
Tgt Ion: 95 Resp: 77344

Ion Ratio Lower Upper

95 100

174 90.2 0.0 160.6

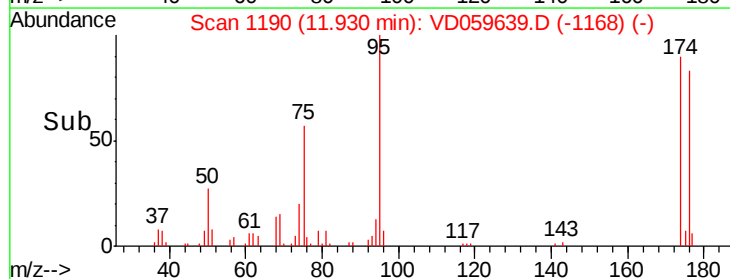
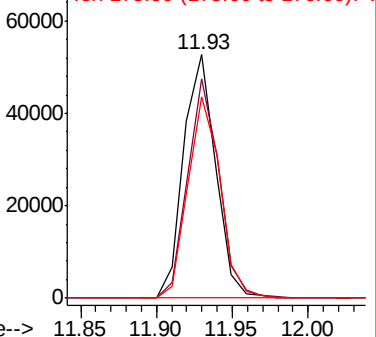
176 82.7 0.0 152.8

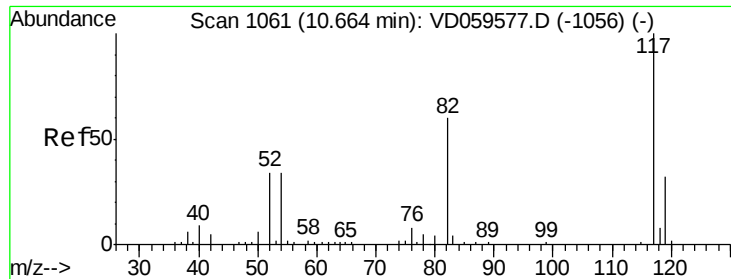


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

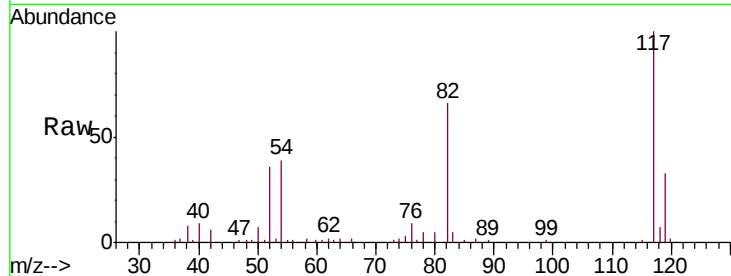




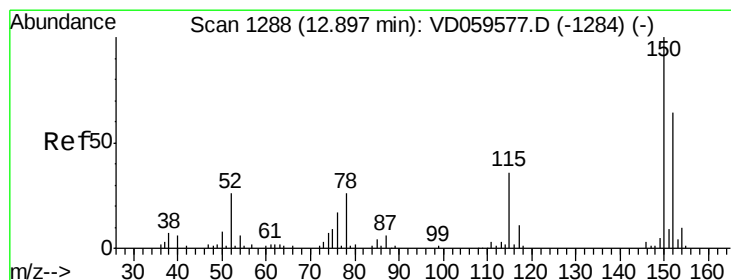
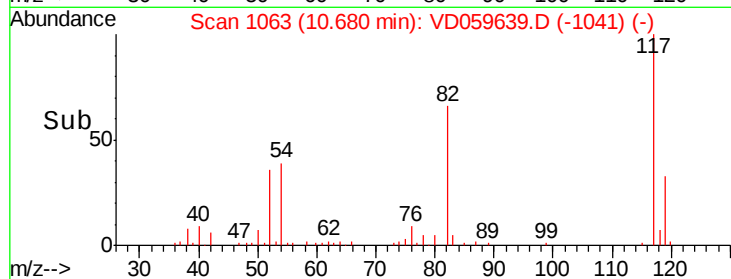
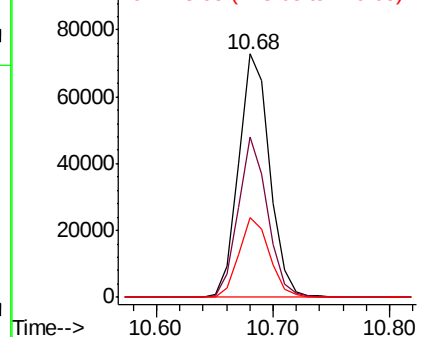
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059639.D
Acq: 31 Jul 2018 1:01

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-001-D

Tot Ion:117 Resp: 133965
Ion Ratio Lower Upper
117 100
82 65.9 48.2 72.2
119 32.9 25.4 38.2

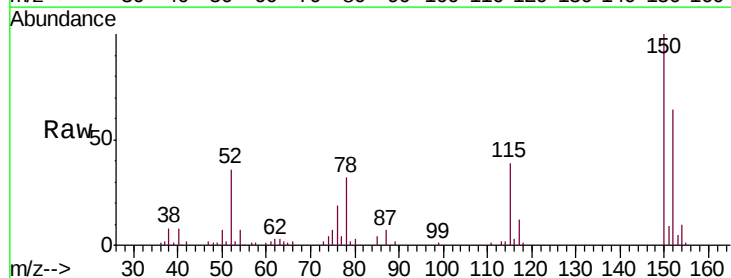


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

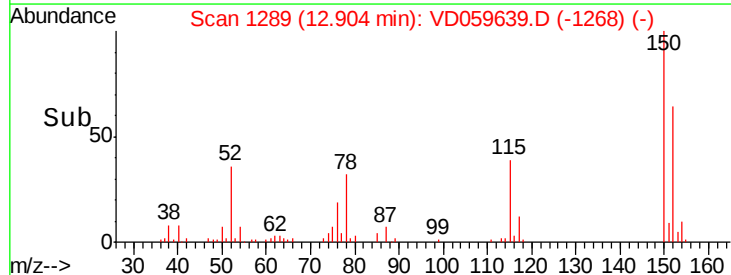
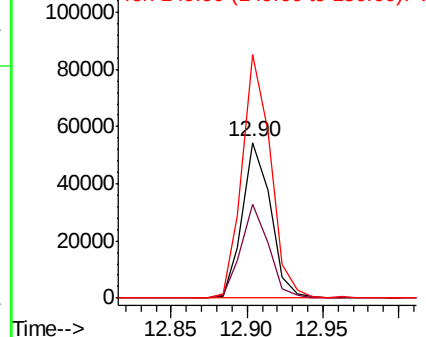


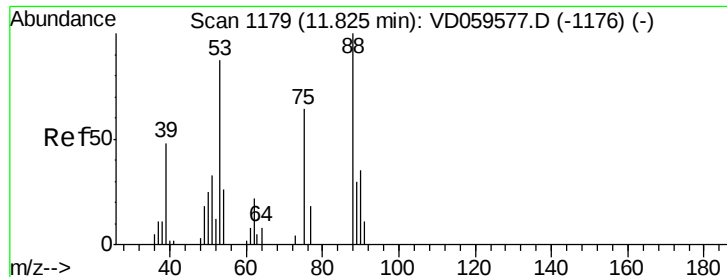
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059639.D
Acq: 31 Jul 2018 1:01

Tgt Ion:152 Resp: 70927
Ion Ratio Lower Upper
152 100
115 60.4 29.5 88.6
150 156.6 0.0 314.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 147.95 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD059639.D

Acq: 31 Jul 2018 1:01

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-001-D

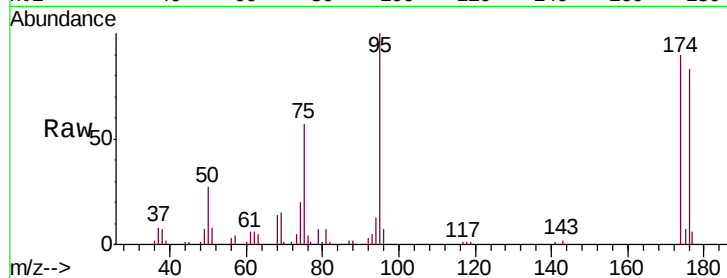
Tot Ion: 75 Resp: 44368

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

