

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059402.D
 Acq On : 25 Jun 2018 16:44
 Operator : VA/AP
 Sample : J3669-02
 Misc : 6.48g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-17-19-180620

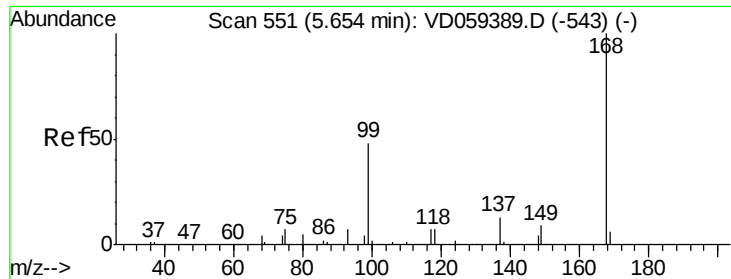
Quant Time: Jun 26 06:47:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	837900	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1067651	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	893304	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	486363	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	339784	39.65	ug/l	-0.02
Spiked Amount			Recovery	=	79.30%	
35) Dibromofluoromethane	5.54	113	356498	40.99	ug/l	-0.02
Spiked Amount			Recovery	=	81.98%	
50) Toluene-d8	8.70	98	788969	38.81	ug/l	-0.02
Spiked Amount			Recovery	=	77.62%	
62) 4-Bromofluorobenzene	11.92	95	370298	43.79	ug/l	-0.01
Spiked Amount			Recovery	=	87.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.81	94	490	Below Cal	#	4
11) Tert butyl alcohol	3.17	59	1465	4.942	ug/l #	72
16) Acetone	2.60	43	21480	19.862	ug/l #	90
18) Methyl Acetate	2.90	43	1513	Below Cal	#	66
20) Methylene Chloride	3.06	84	23799	5.726	ug/l	88
31) Cyclohexane	5.62	56	19110	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	64893	6.700	ug/l #	51
38) Carbon Tetrachloride	5.63	117	68648	6.875	ug/l #	15
44) Trichloroethene	6.97	130	374185	49.170	ug/l	96
51) 4-Methyl-2-Pentanone	8.70	43	5654	1.146	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	175179	114.886	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

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ClientSampleId :

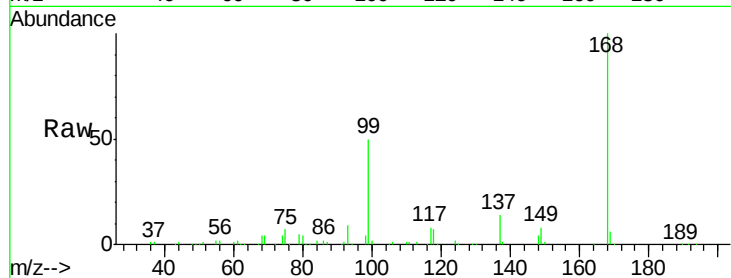
WP021SB484-17-19-180620

Tot Ion:168 Resp: 837900

Ion Ratio Lower Upper

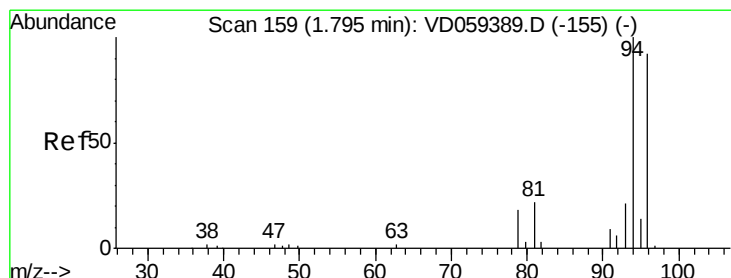
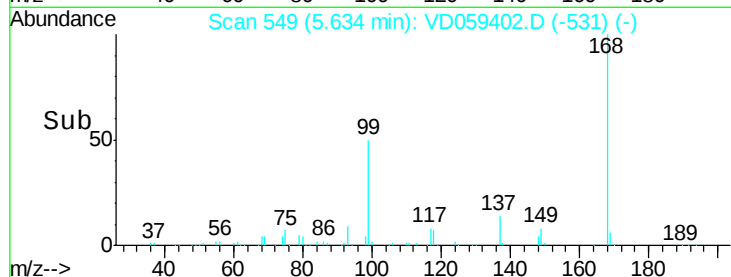
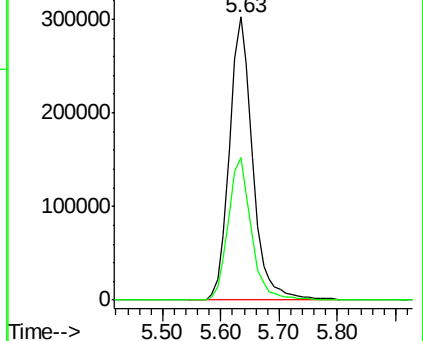
168 100

99 50.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD059402.D

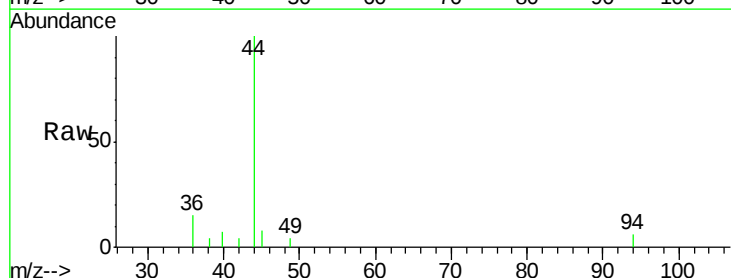
Acq: 25 Jun 2018 16:44

Tgt Ion: 94 Resp: 490

Ion Ratio Lower Upper

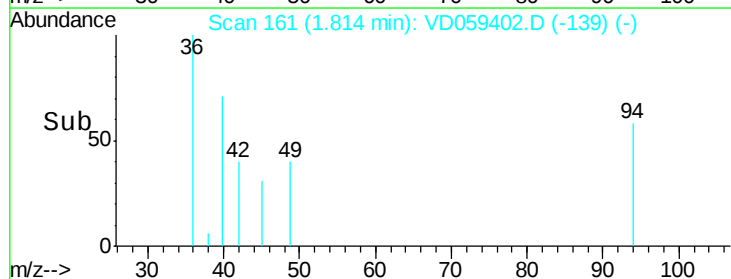
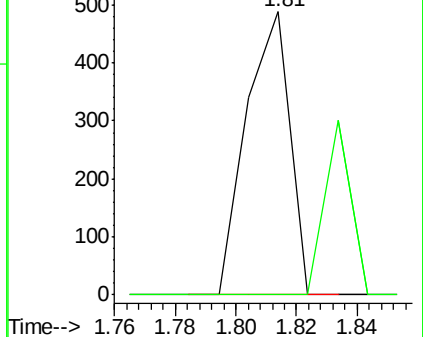
94 100

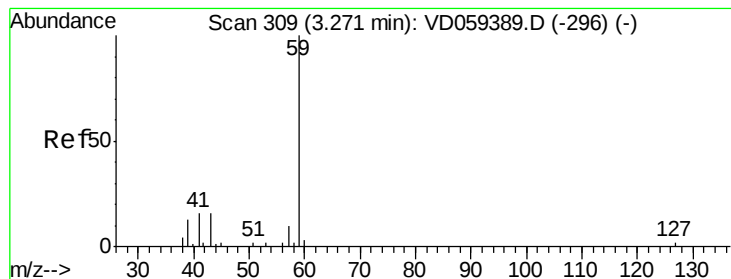
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



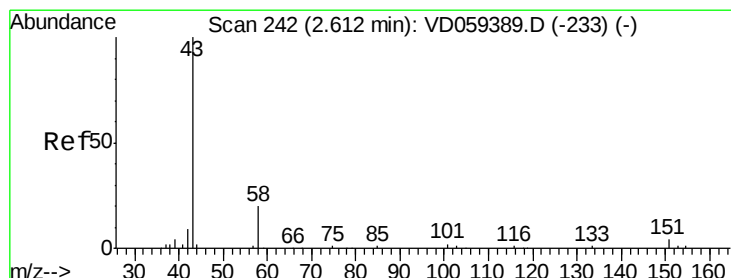
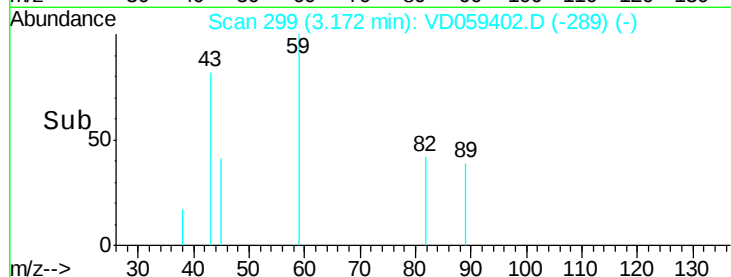
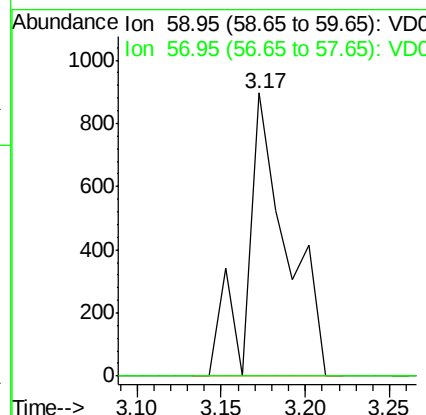
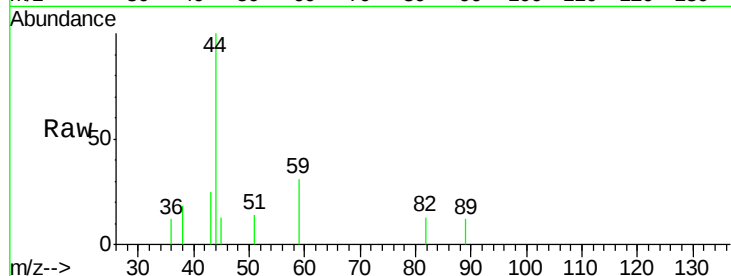


#11

Tert butyl alcohol
 Concen: 4.942 ug/l
 RT: 3.17 min Scan# 299
 Delta R.T. -0.10 min
 Lab File: VD059402.D
 Acq: 25 Jun 2018 16:44

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-17-19-180620

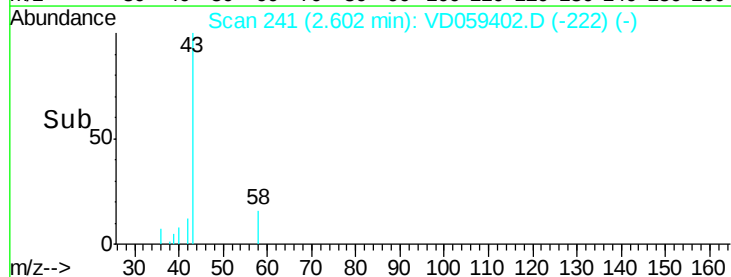
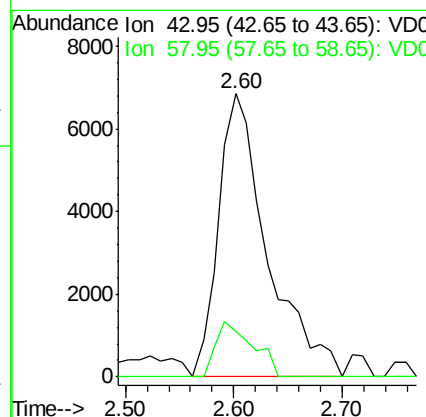
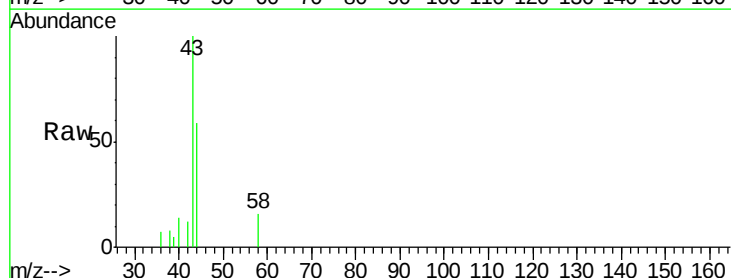
Tot Ion: 59 Resp: 1465
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

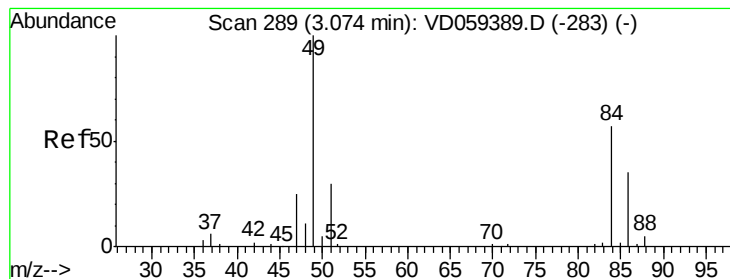


#16

Acetone
 Concen: 19.862 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD059402.D
 Acq: 25 Jun 2018 16:44

Tgt Ion: 43 Resp: 21480
 Ion Ratio Lower Upper
 43 100
 58 16.2 16.8 25.2#





#20

Methylene Chloride

Concen: 5.726 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-17-19-180620

Tot Ion: 84 Resp: 23799

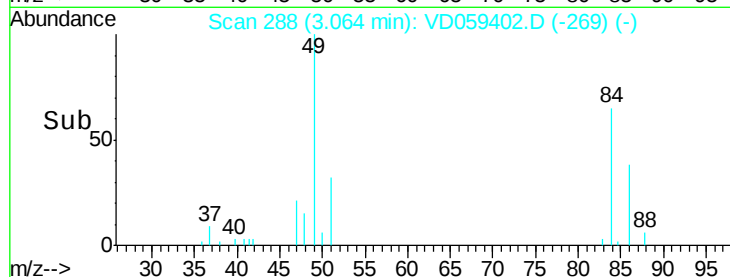
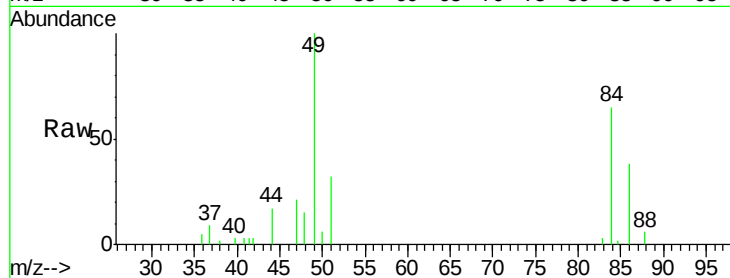
Ion Ratio Lower Upper

84 100

49 153.3 140.3 210.5

51 48.5 41.6 62.4

86 57.6 49.4 74.2

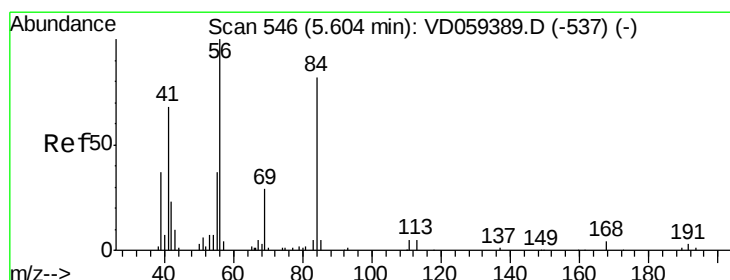
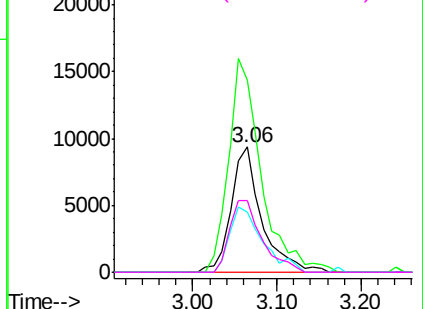


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

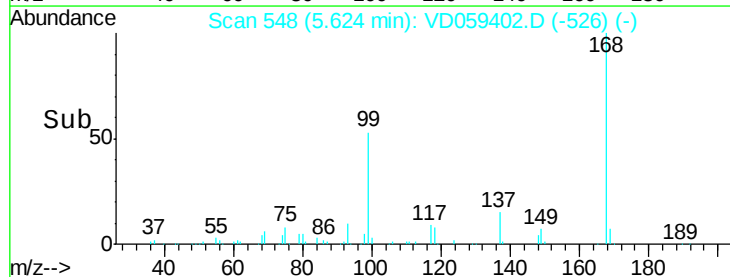
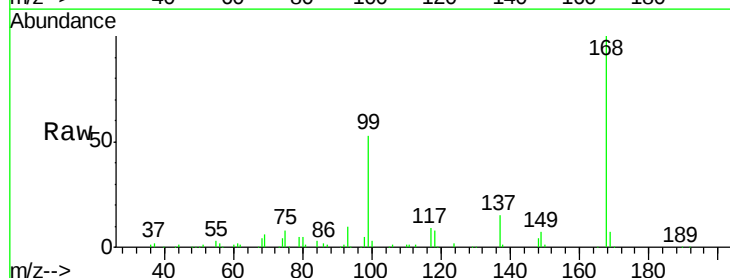
Tgt Ion: 56 Resp: 19110

Ion Ratio Lower Upper

56 100

69 223.8 22.9 34.3#

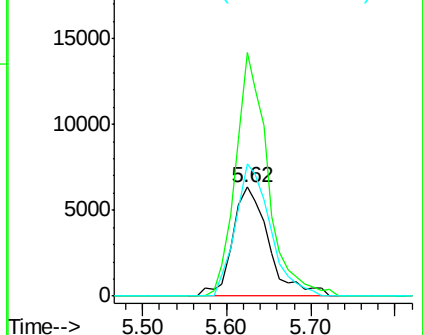
84 121.7 67.3 100.9#

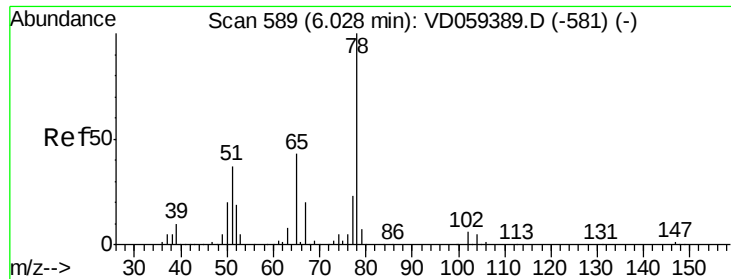


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

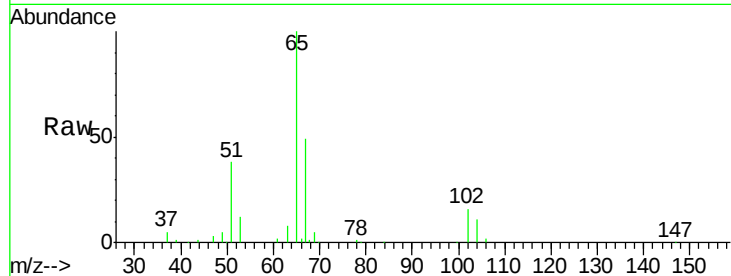
WP021SB484-17-19-180620

Tot Ion: 65 Resp: 339784

Ion Ratio Lower Upper

65 100

67 49.2 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

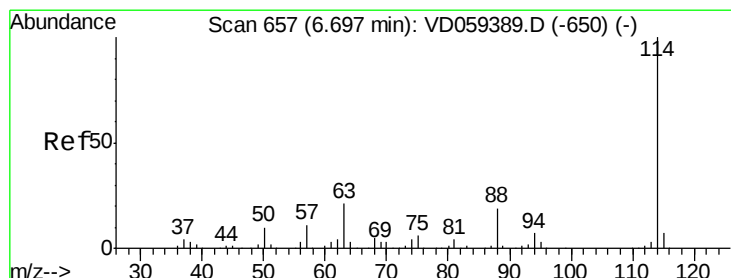
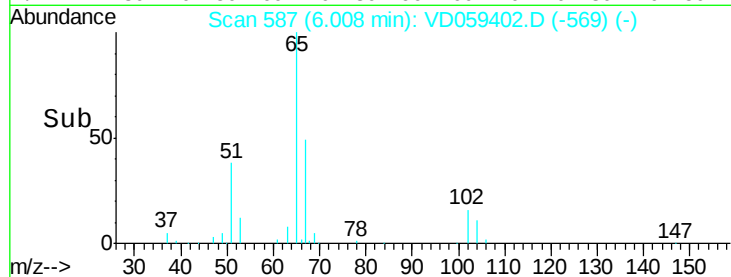
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

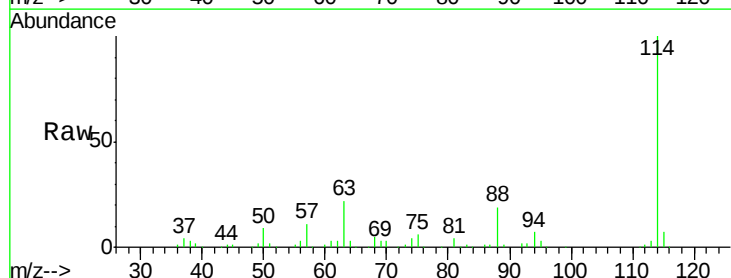
Tgt Ion: 114 Resp: 1067651

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

88 19.2 0.0 38.0



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

6.68

500000

400000

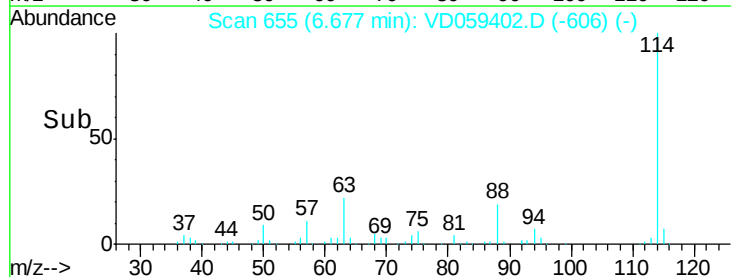
300000

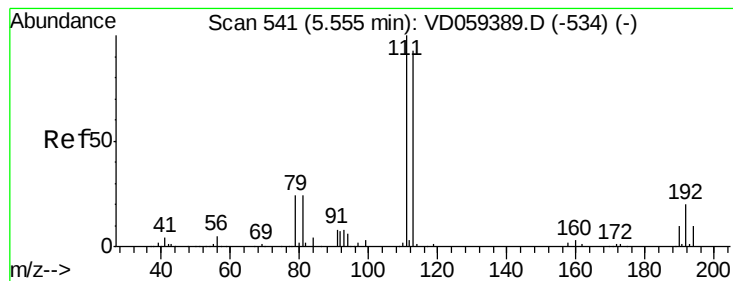
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-17-19-180620

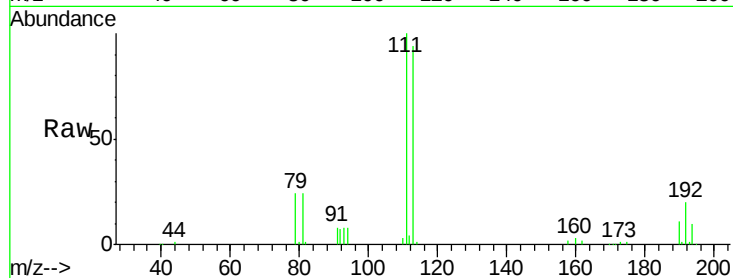
Tot Ion:113 Resp: 356498

Ion Ratio Lower Upper

113 100

111 106.0 85.7 128.5

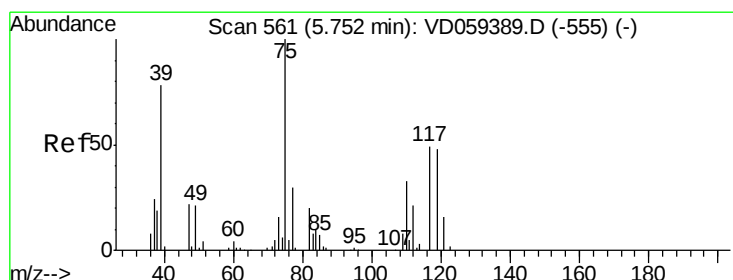
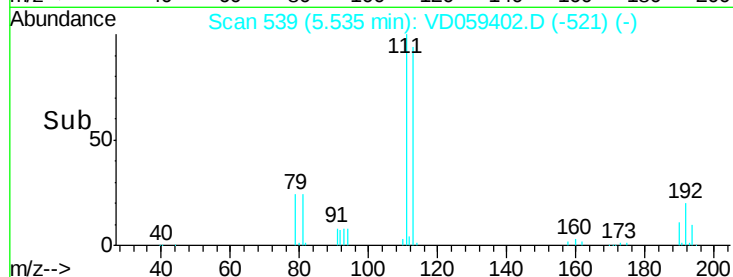
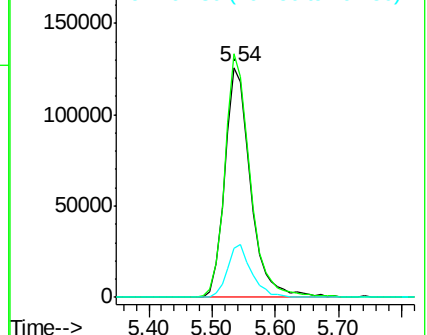
192 21.3 16.9 25.3



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: 6.700 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

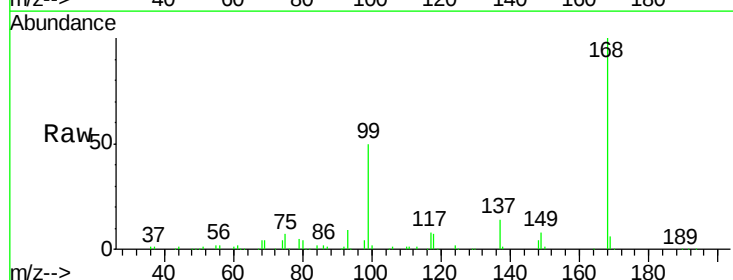
Tgt Ion: 75 Resp: 64893

Ion Ratio Lower Upper

75 100

110 8.0 16.1 48.2#

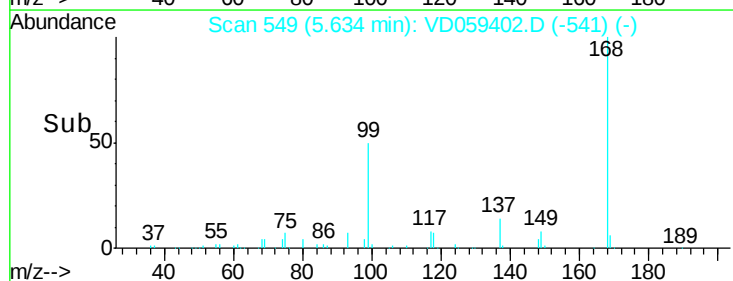
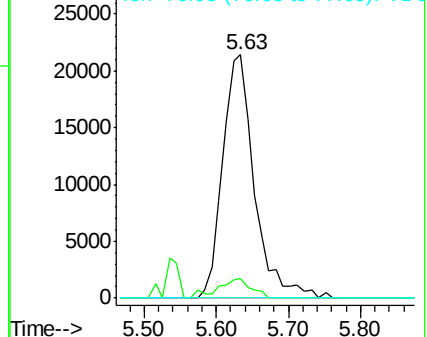
77 0.0 23.4 35.2#

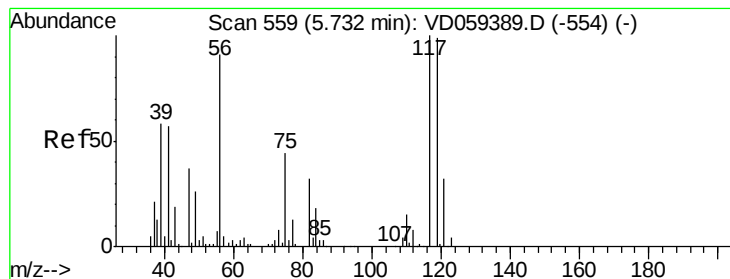


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.875 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-17-19-180620

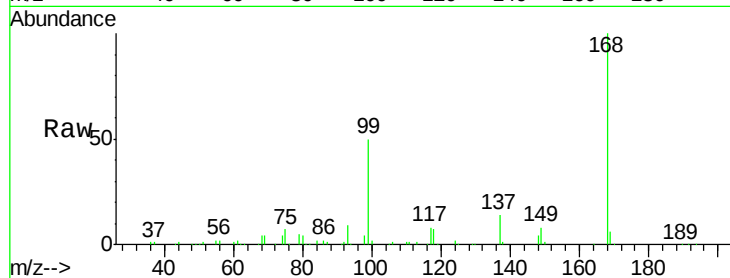
Tot Ion:117 Resp: 68648

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

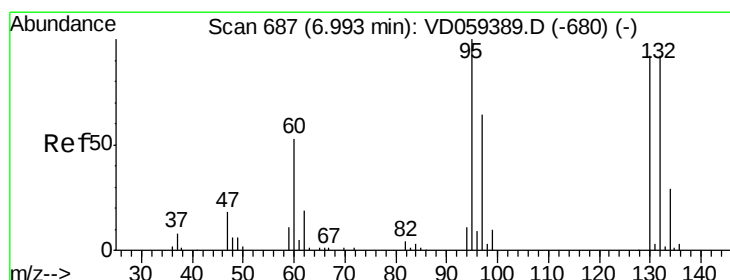
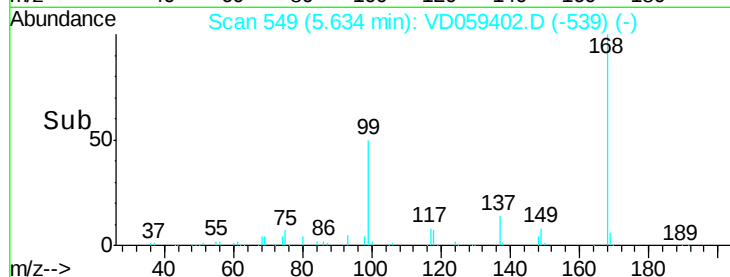
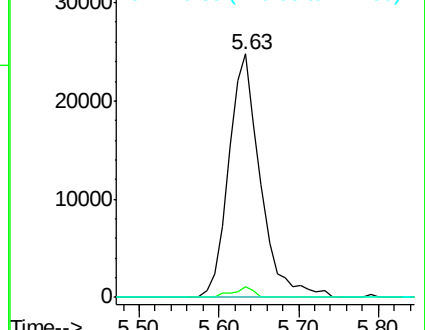
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 49.170 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.02 min

Lab File: VD059402.D

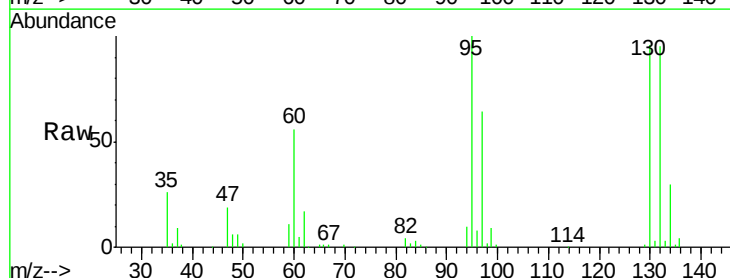
Acq: 25 Jun 2018 16:44

Tgt Ion:130 Resp: 374185

Ion Ratio Lower Upper

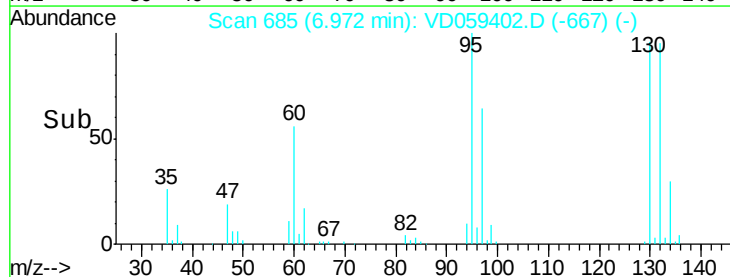
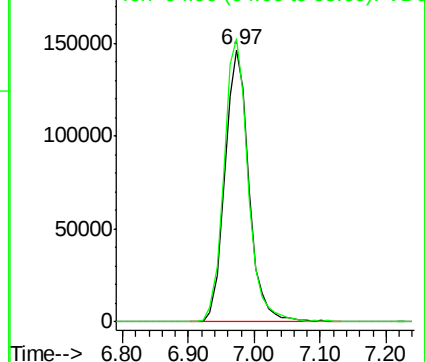
130 100

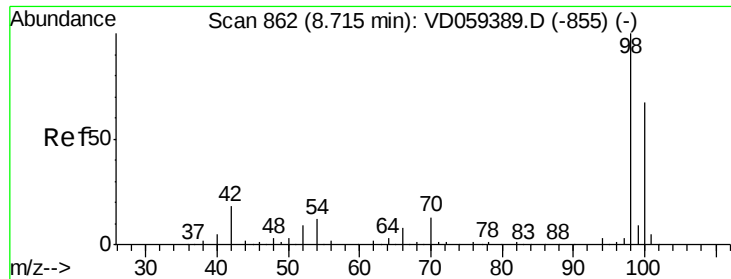
95 104.0 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

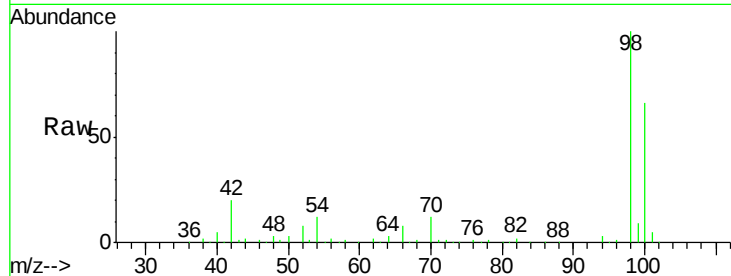




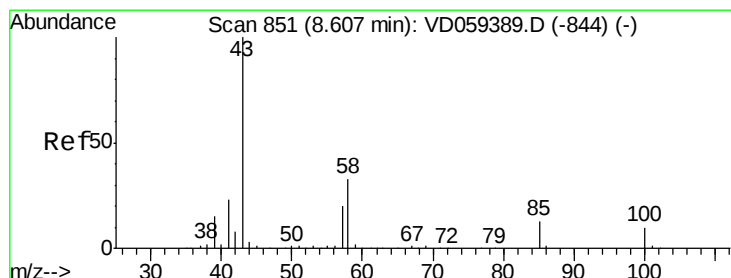
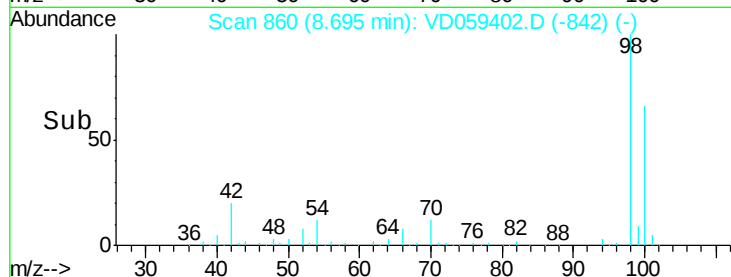
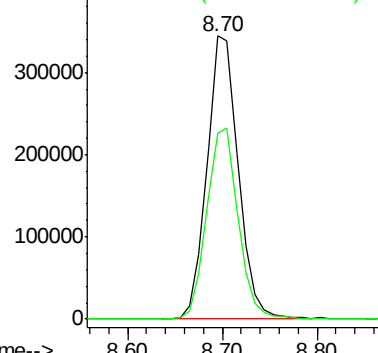
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059402.D
Acq: 25 Jun 2018 16:44

Instrument :
MSVOA_D
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WP021SB484-17-19-180620

Tot Ion: 98 Resp: 788969
Ion Ratio Lower Upper
98 100
100 65.8 54.4 81.6

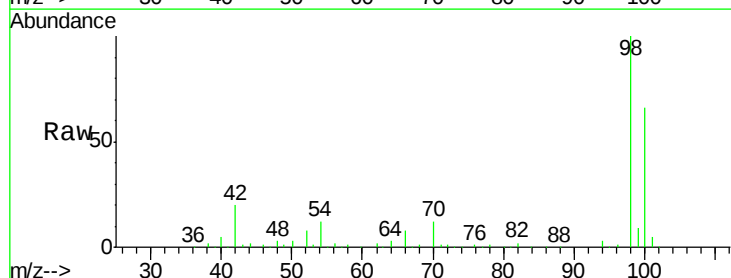


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

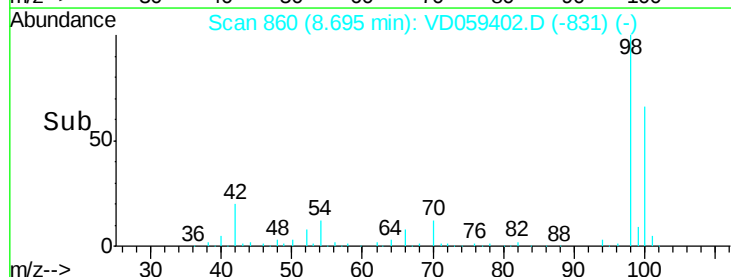
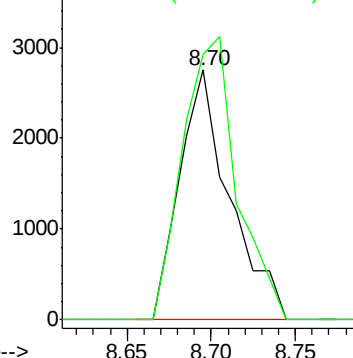


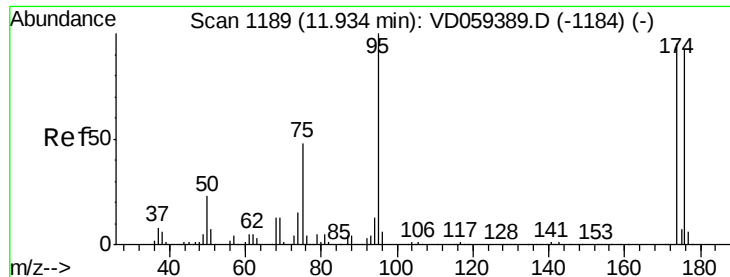
#51
4-Methyl-2-Pentanone
Concen: 1.146 ug/l
RT: 8.70 min Scan# 860
Delta R.T. 0.09 min
Lab File: VD059402.D
Acq: 25 Jun 2018 16:44

Tgt Ion: 43 Resp: 5654
Ion Ratio Lower Upper
43 100
58 106.2 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

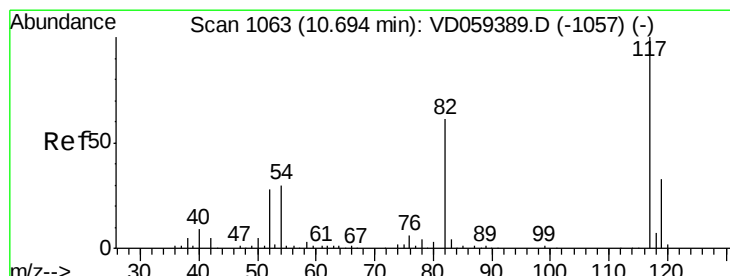
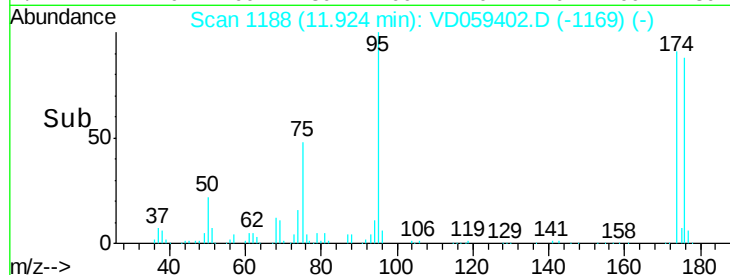
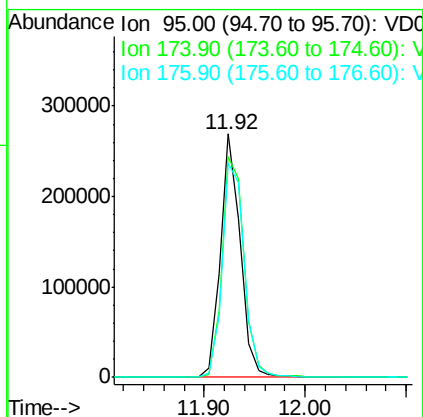
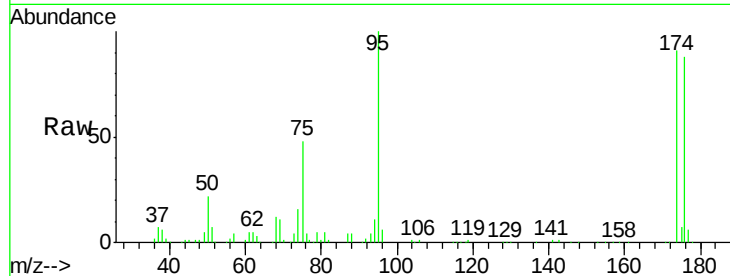




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059402.D
Acq: 25 Jun 2018 16:44

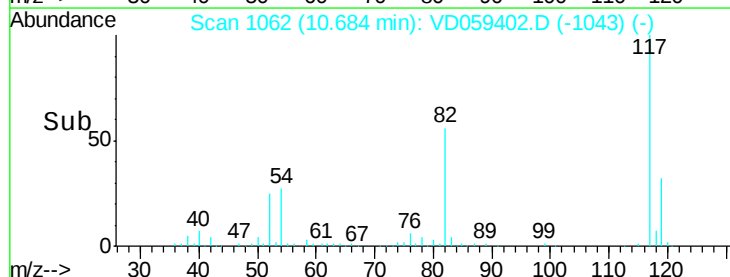
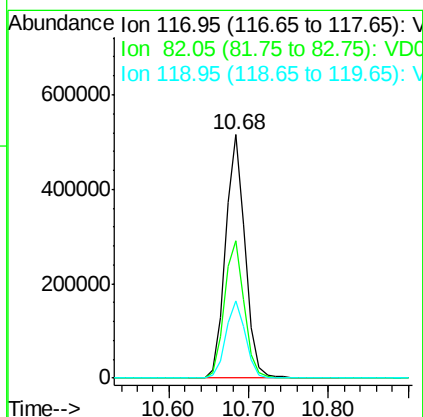
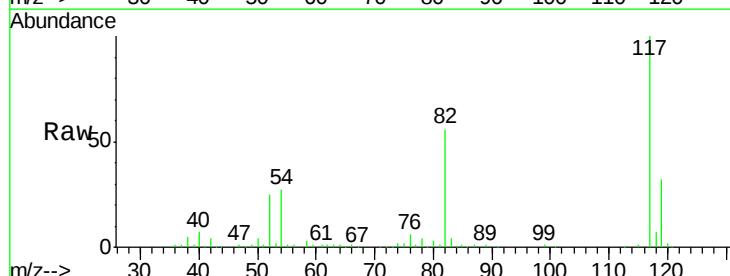
Instrument :
MSVOA_D
ClientSampleId :
WP021SB484-17-19-180620

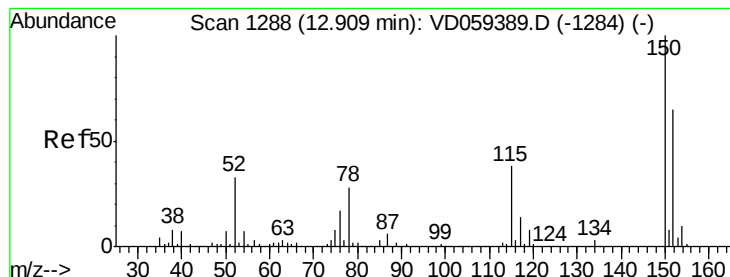
Tot Ion: 95 Resp: 370298
Ion Ratio Lower Upper
95 100
174 90.7 0.0 190.4
176 88.1 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059402.D
Acq: 25 Jun 2018 16:44

Tgt Ion: 117 Resp: 893304
Ion Ratio Lower Upper
117 100
82 56.2 49.0 73.6
119 31.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-17-19-180620

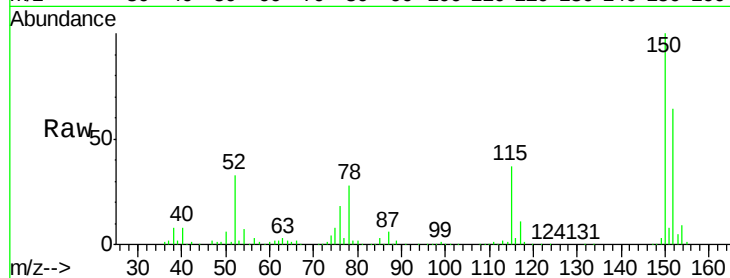
Tot Ion:152 Resp: 486363

Ion Ratio Lower Upper

152 100

115 58.7 29.4 88.3

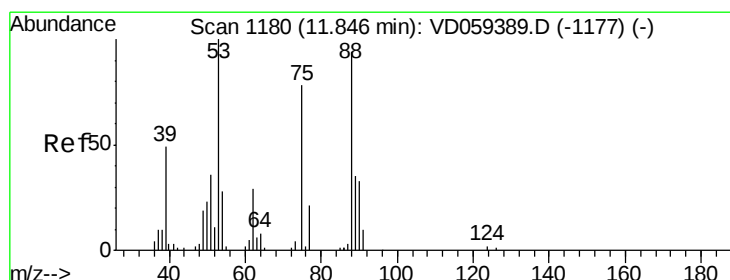
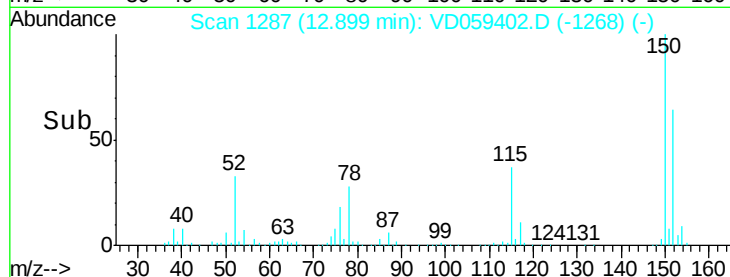
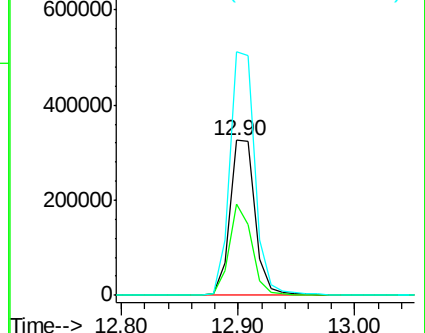
150 157.2 0.0 308.2



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: 114.886 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059402.D

Acq: 25 Jun 2018 16:44

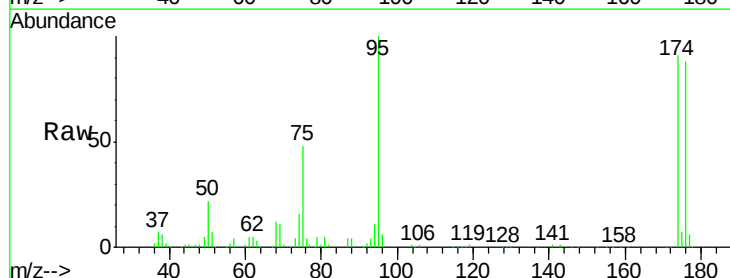
Tgt Ion: 75 Resp: 175179

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



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

