

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059436.D
 Acq On : 26 Jun 2018 21:06
 Operator : VA/AP
 Sample : J3251-05
 Misc : 6.08g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 05:53:47 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	650594	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	826435	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	647005	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	326103	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	265985	39.98	ug/l	-0.03
Spiked Amount			Recovery	=	79.96%	
35) Dibromofluoromethane	5.53	113	281962	41.89	ug/l	-0.02
Spiked Amount			Recovery	=	83.78%	
50) Toluene-d8	8.69	98	610226	38.78	ug/l	-0.02
Spiked Amount			Recovery	=	77.56%	
62) 4-Bromofluorobenzene	11.92	95	269540	41.18	ug/l	-0.01
Spiked Amount			Recovery	=	82.36%	

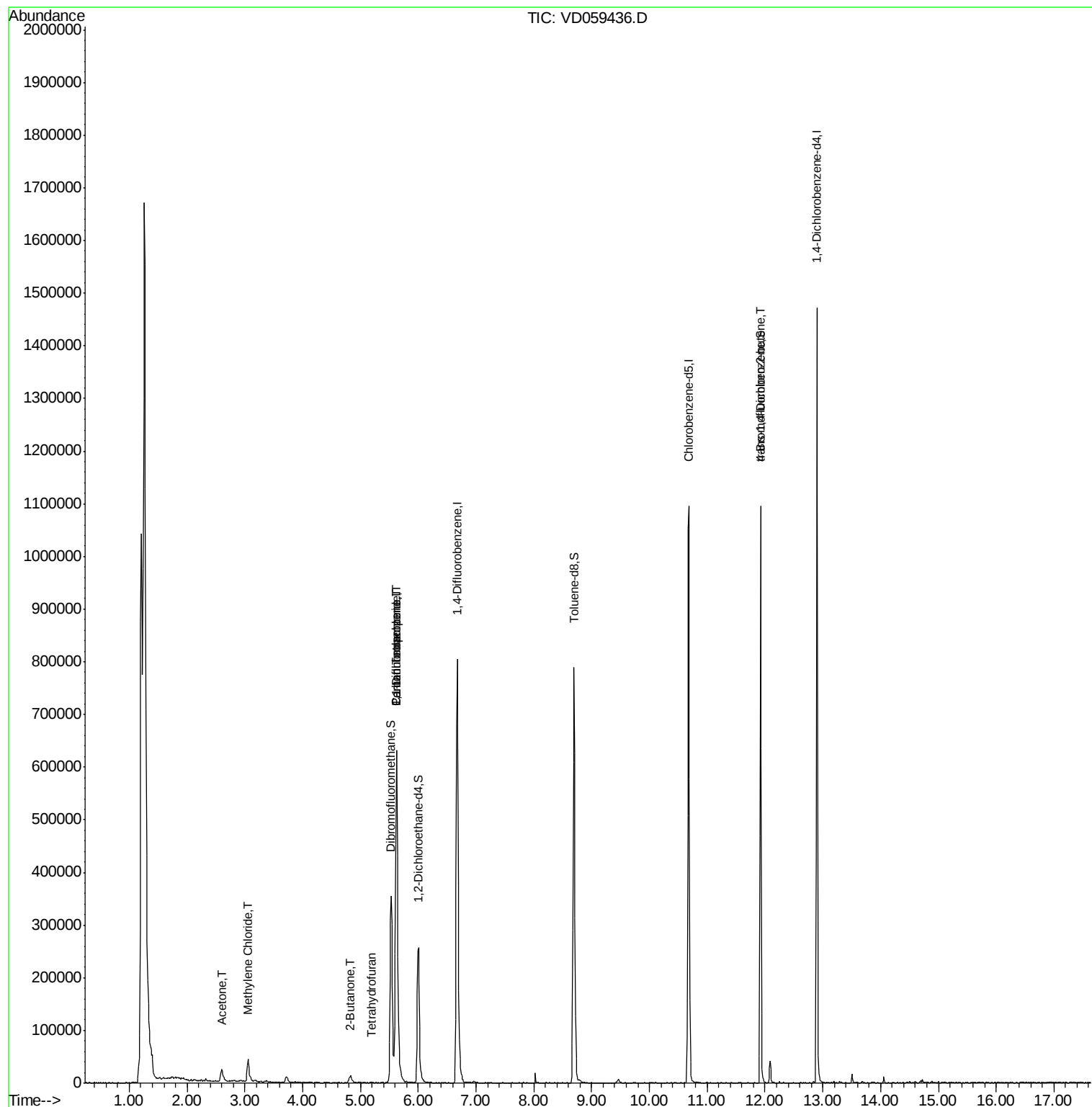
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.90	94	188	Below Cal	#	4
16) Acetone	2.60	43	49854	59.371	ug/l	97
18) Methyl Acetate	2.92	43	3605	Below Cal	#	66
20) Methylene Chloride	3.05	84	20720	6.739	ug/l	# 72
25) 2-Butanone	4.82	43	1784	1.014	ug/l	# 57
29) Tetrahydrofuran	5.18	42	1051	1.092	ug/l	# 53
31) Cyclohexane	5.63	56	13059	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	50692	6.762	ug/l	# 52
38) Carbon Tetrachloride	5.63	117	50885	6.583	ug/l	# 15
81) trans-1,4-Dichloro-2-buten	11.92	75	132773	129.867	ug/l	# 1

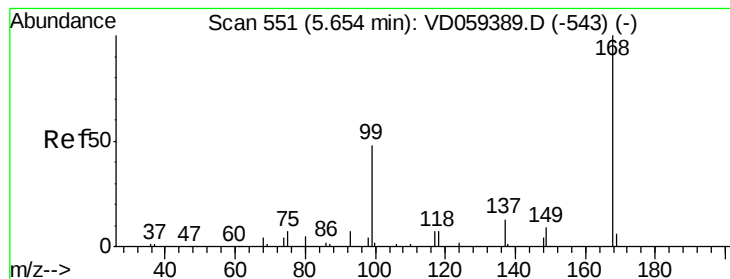
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

Instrument :

MSVOA_D

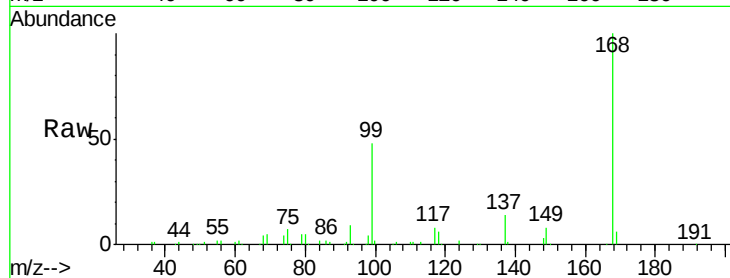
ClientSampleId :

Tot Ion:168 Resp: 650594

Ion Ratio Lower Upper

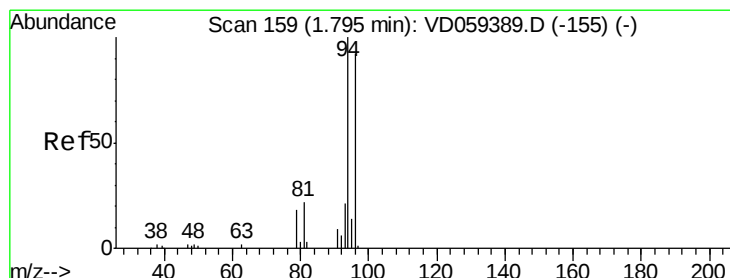
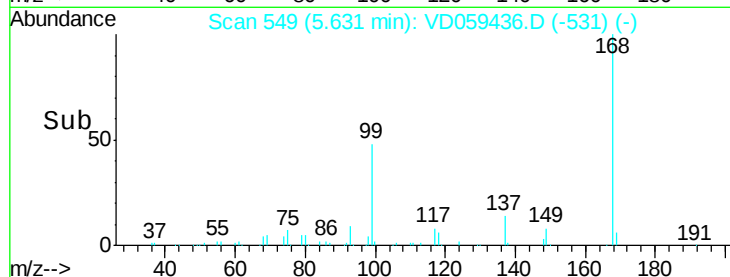
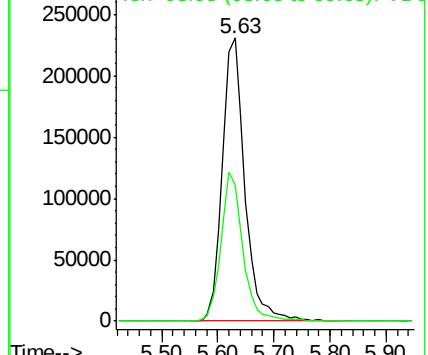
168 100

99 48.0 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: 1.90 min Scan# 170

Delta R.T. 0.11 min

Lab File: VD059436.D

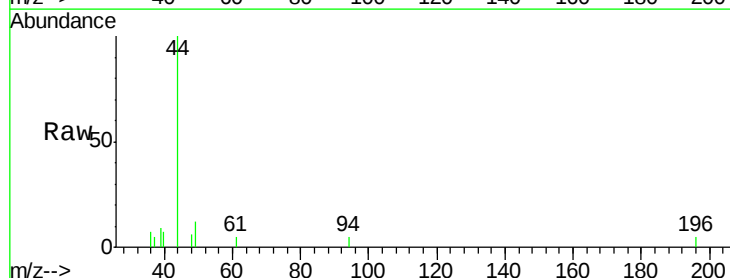
Acq: 26 Jun 2018 21:06

Tgt Ion: 94 Resp: 188

Ion Ratio Lower Upper

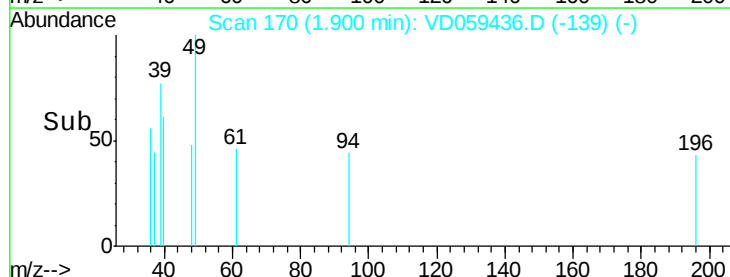
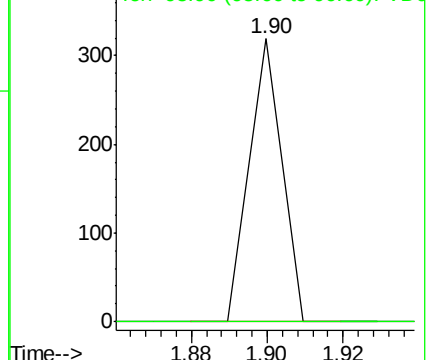
94 100

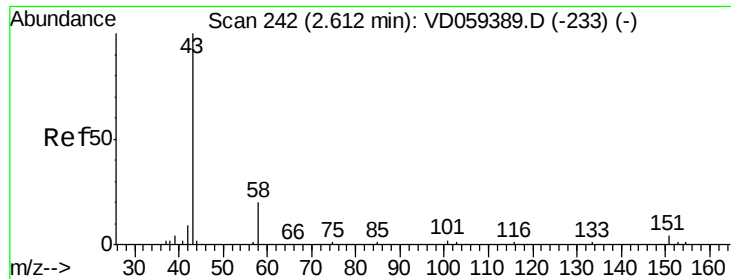
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 59.371 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

Instrument :

MSVOA_D

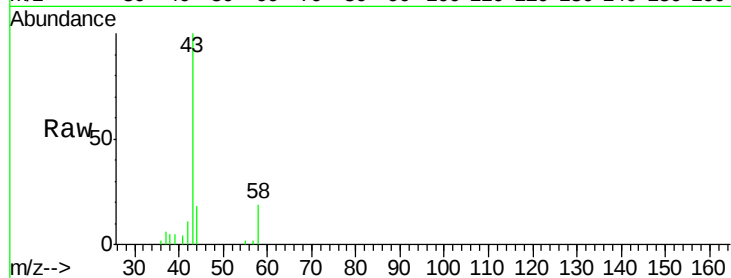
ClientSampleId :

Tot Ion: 43 Resp: 49854

Ion Ratio Lower Upper

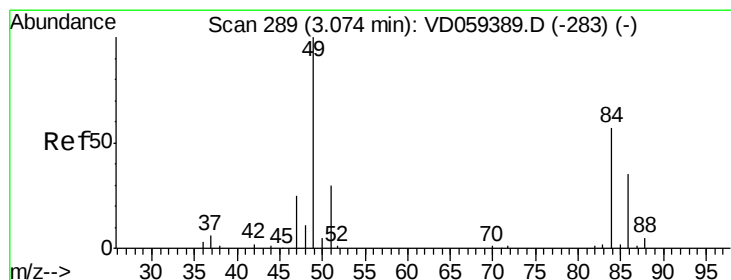
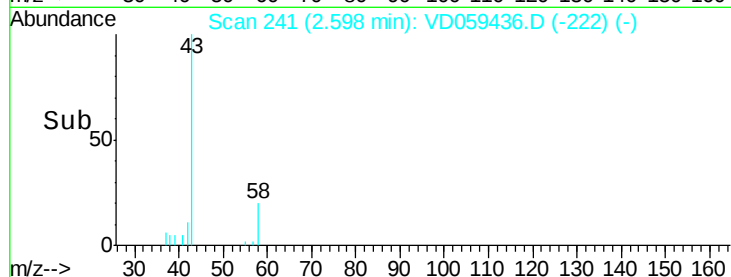
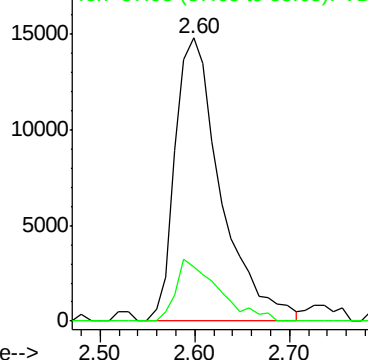
43 100

58 19.4 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 6.739 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.02 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

Tgt Ion: 84 Resp: 20720

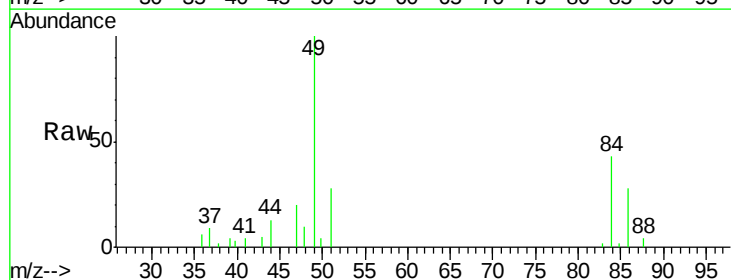
Ion Ratio Lower Upper

84 100

49 230.2 140.3 210.5#

51 65.3 41.6 62.4#

86 64.2 49.4 74.2

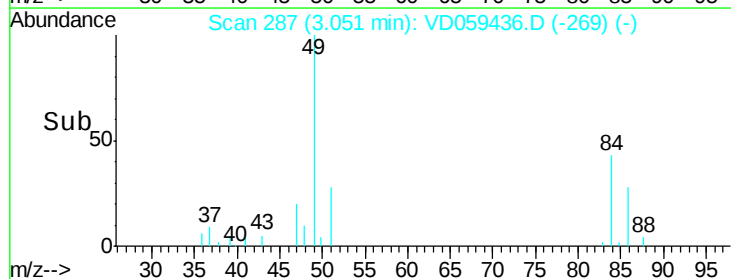
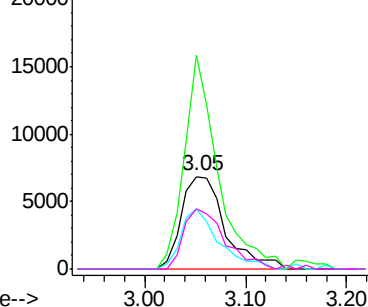


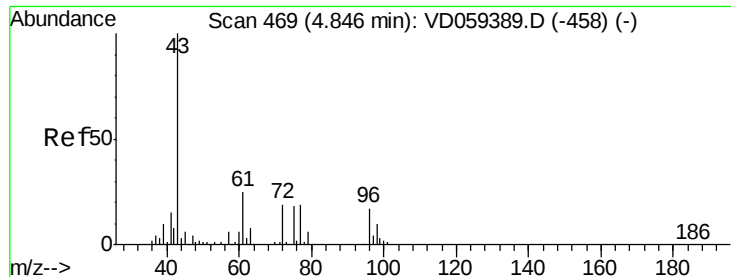
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.014 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

Instrument :

MSVOA_D

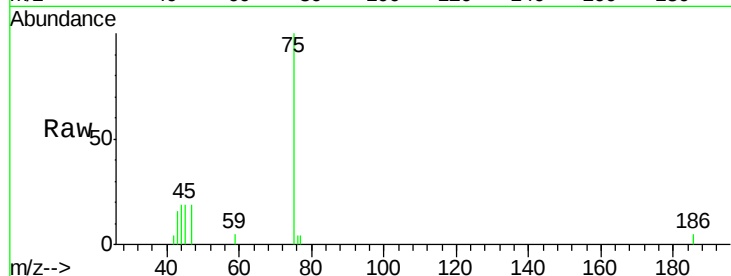
ClientSampleId :

Tot Ion: 43 Resp: 1784

Ion Ratio Lower Upper

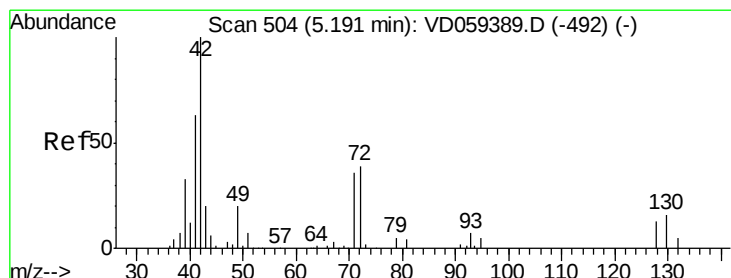
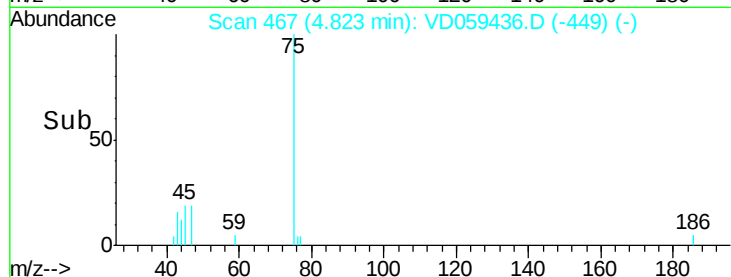
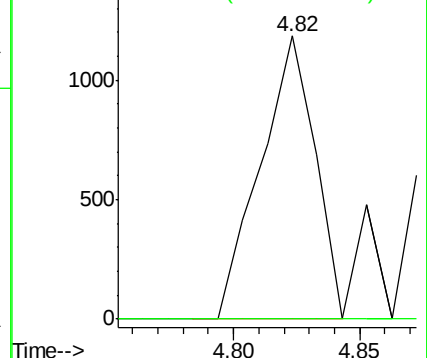
43 100

72 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.092 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

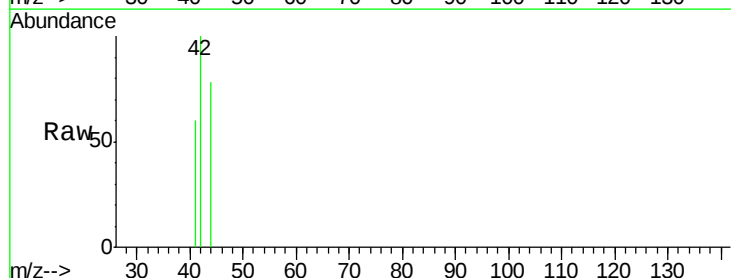
Tgt Ion: 42 Resp: 1051

Ion Ratio Lower Upper

42 100

72 59.5 31.4 47.2#

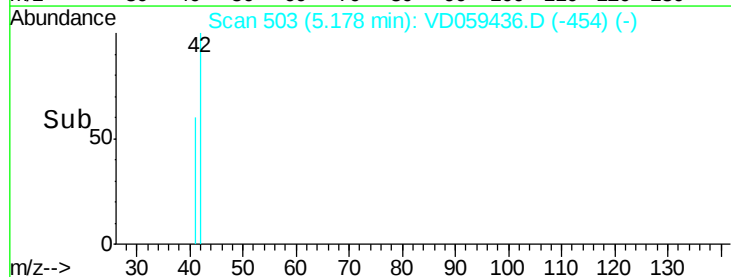
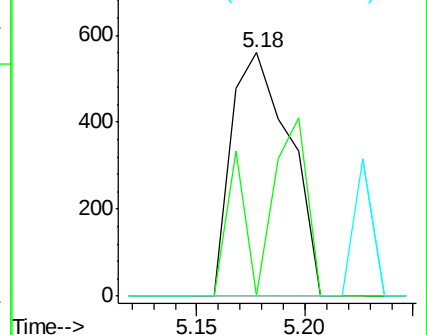
71 0.0 29.7 44.5#

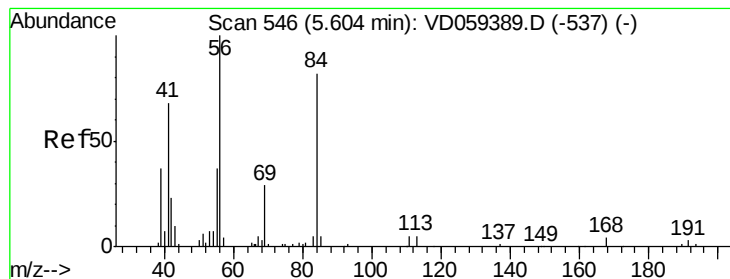


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

Instrument :
MSVOA_D
ClientSampleId :

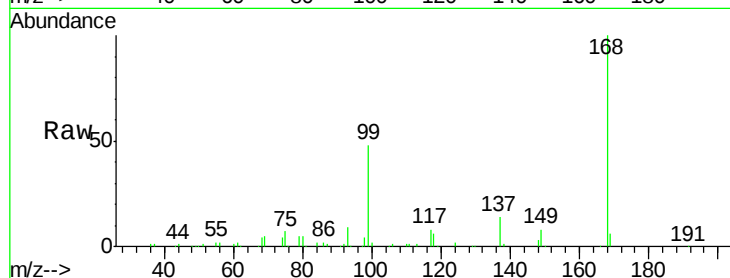
Tot Ion: 56 Resp: 13059

Ion Ratio Lower Upper

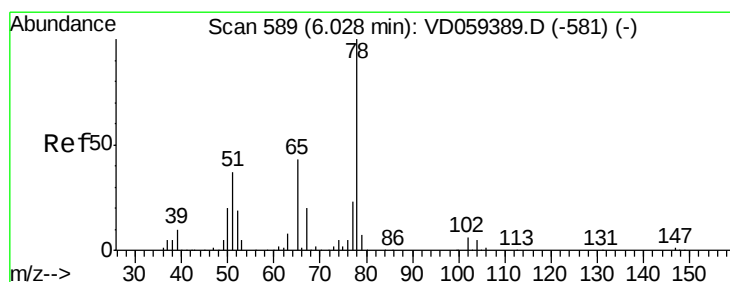
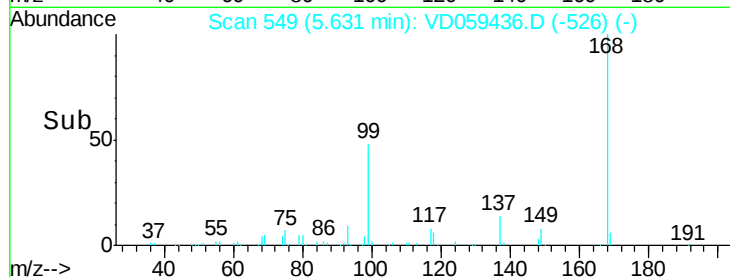
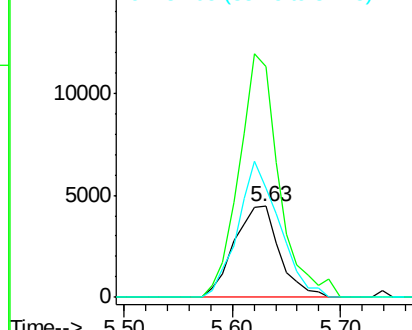
56 100

69 253.2 22.9 34.3#

84 119.2 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: 5.99 min Scan# 586

Delta R.T. -0.03 min

Lab File: VD059436.D

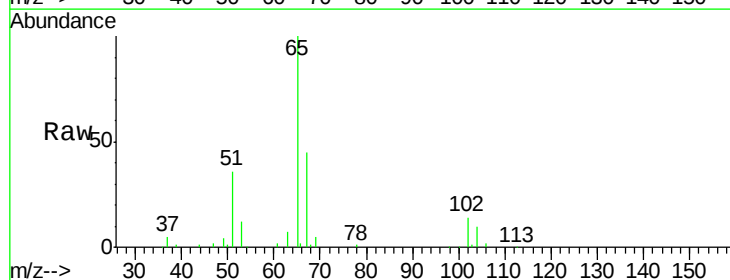
Acq: 26 Jun 2018 21:06

Tgt Ion: 65 Resp: 265985

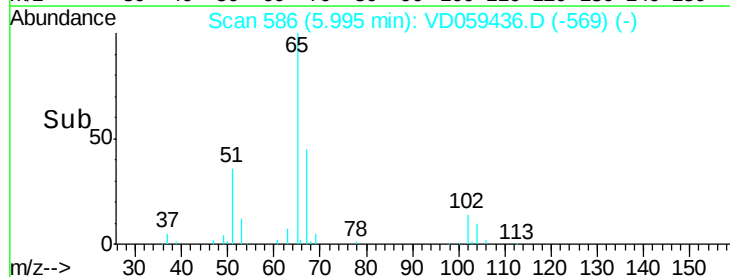
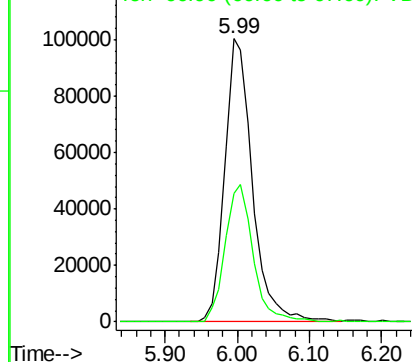
Ion Ratio Lower Upper

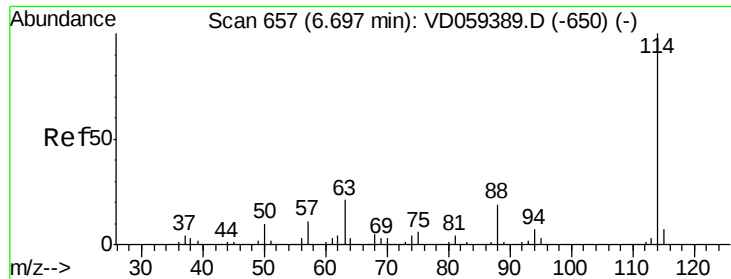
65 100

67 45.5 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

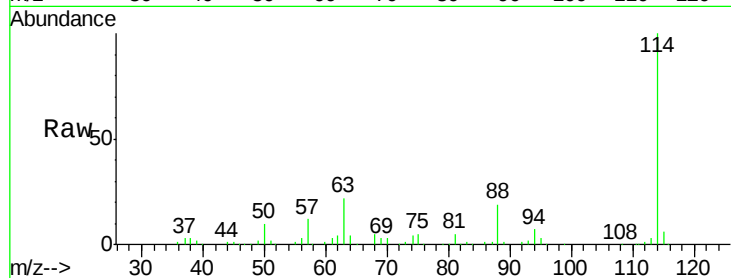




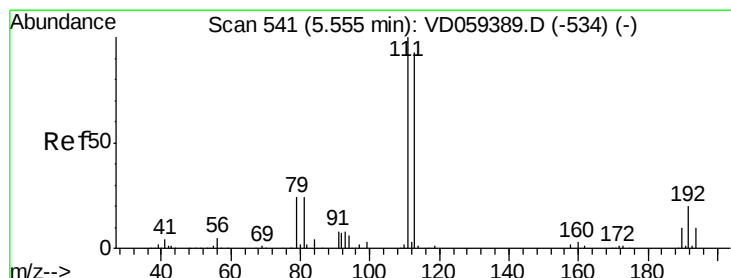
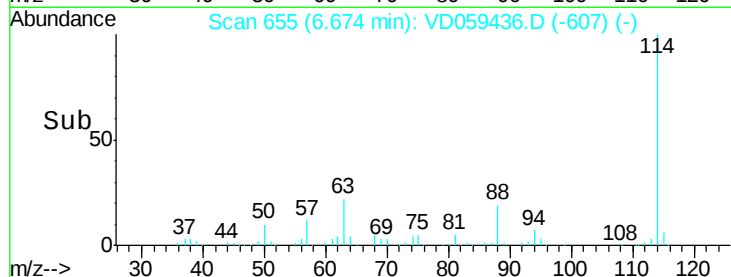
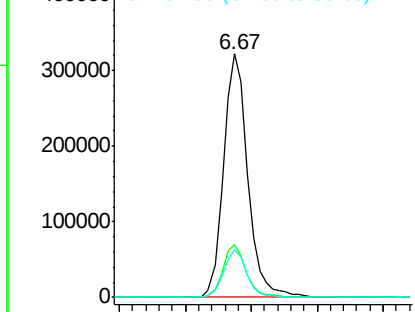
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD059436.D
 Acq: 26 Jun 2018 21:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 826435
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.4
 88 19.4 0.0 38.0

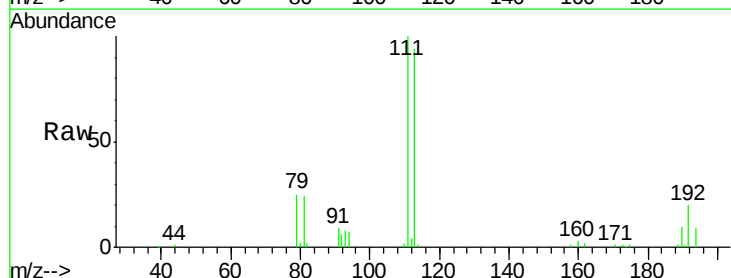


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

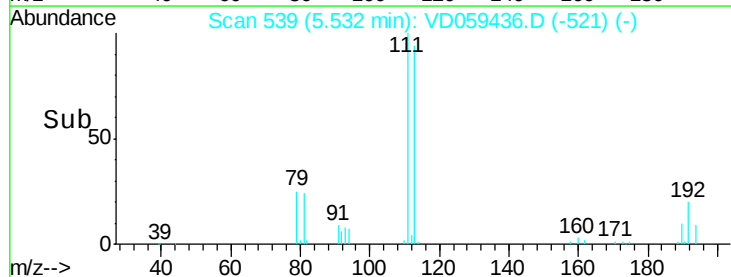
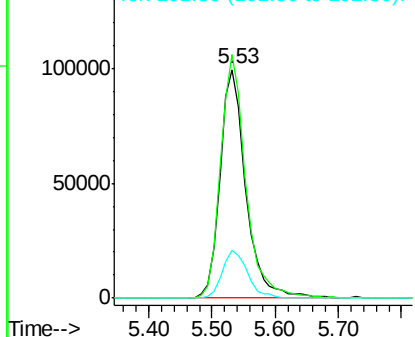


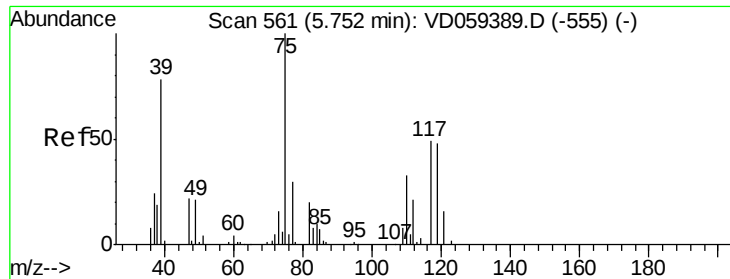
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059436.D
 Acq: 26 Jun 2018 21:06

Tgt Ion:113 Resp: 281962
 Ion Ratio Lower Upper
 113 100
 111 106.5 85.7 128.5
 192 21.1 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

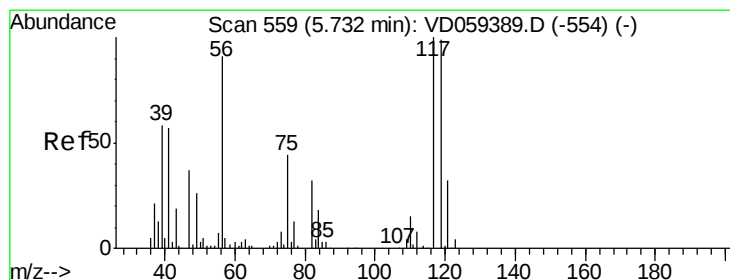
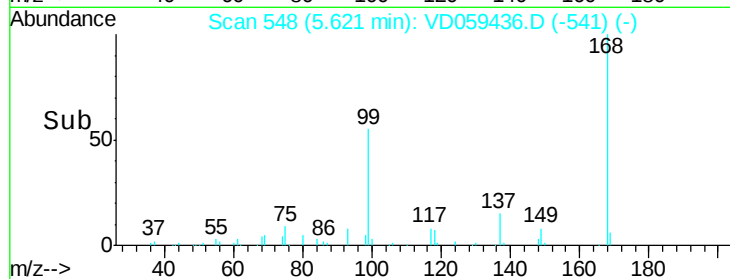
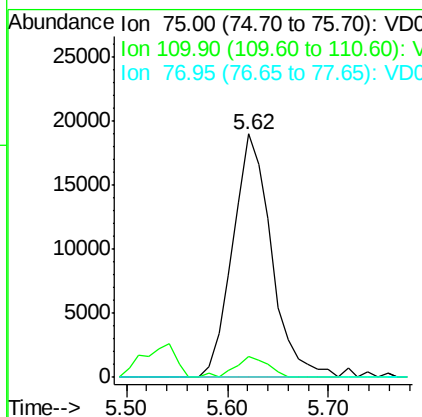
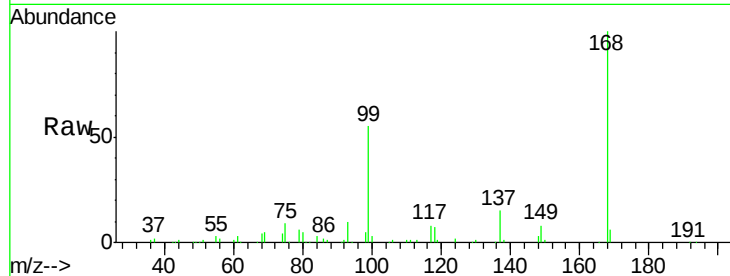




#36
 1,1-Dichloropropene
 Concen: 6.762 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.13 min
 Lab File: VD059436.D
 Acq: 26 Jun 2018 21:06

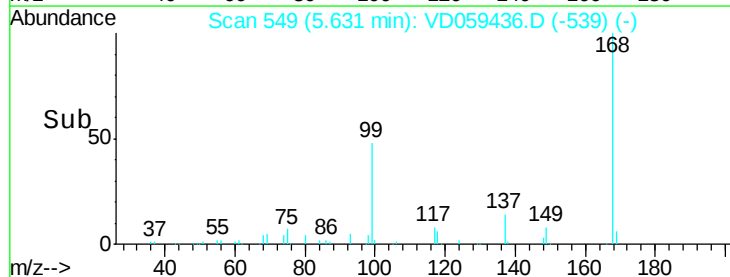
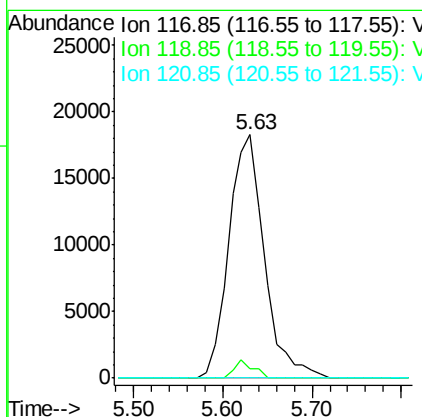
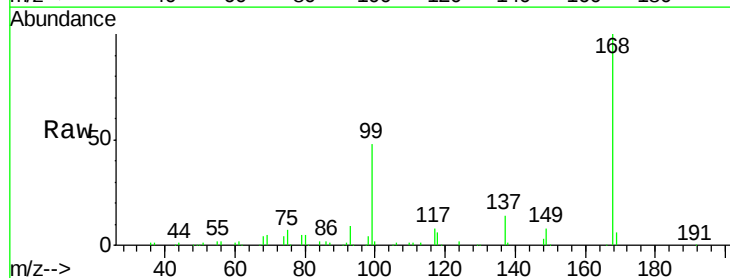
Instrument :
 MSVOA_D
 ClientSampleId :

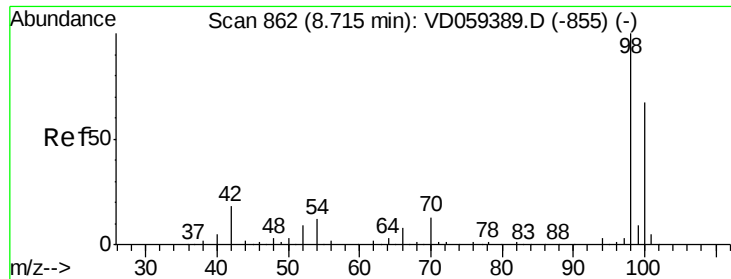
Tot Ion: 75 Resp: 50692
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.1 48.2#
 77 0.0 23.4 35.2#



#38
 Carbon Tetrachloride
 Concen: 6.583 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.10 min
 Lab File: VD059436.D
 Acq: 26 Jun 2018 21:06

Tgt Ion: 117 Resp: 50885
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.6 115.0#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

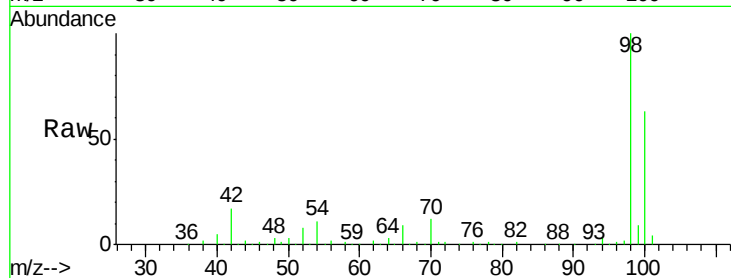
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 610226

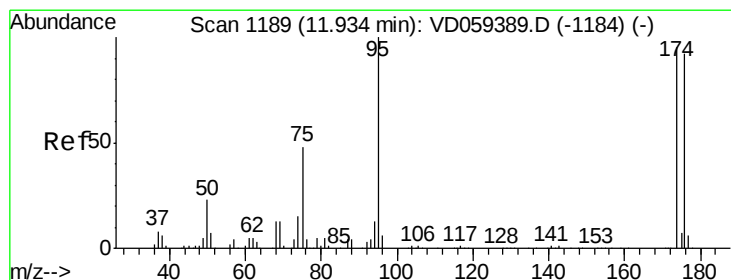
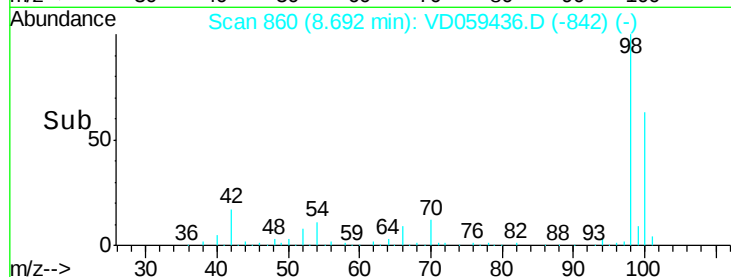
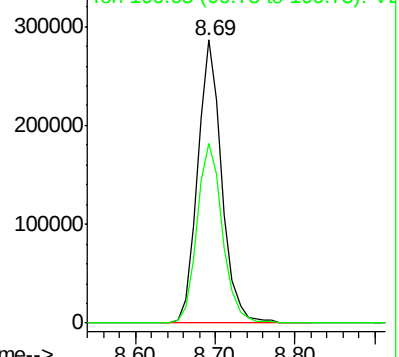
Ion Ratio Lower Upper

98 100

100 63.4 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

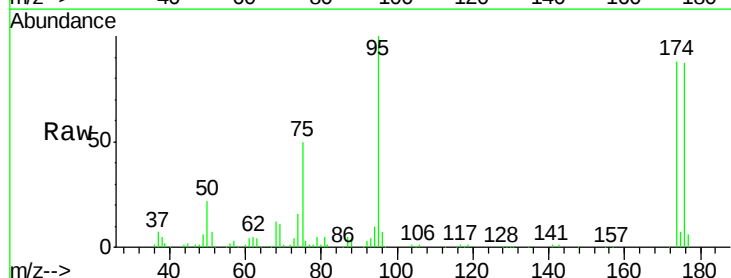
Tgt Ion: 95 Resp: 269540

Ion Ratio Lower Upper

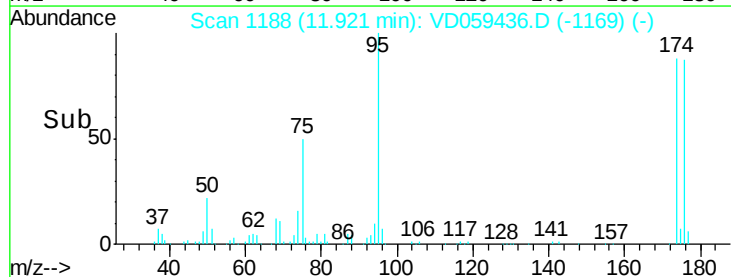
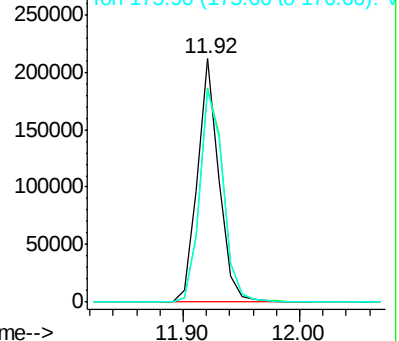
95 100

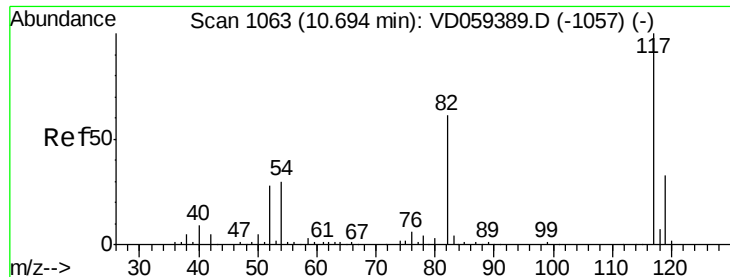
174 87.8 0.0 190.4

176 87.4 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)

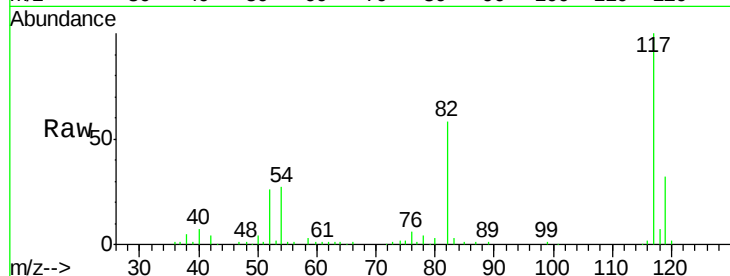




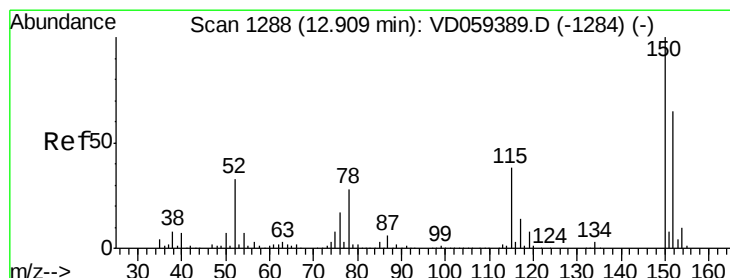
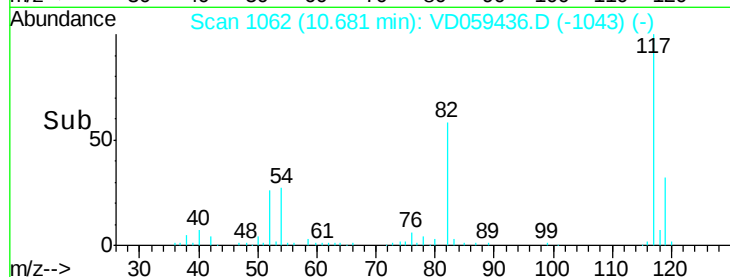
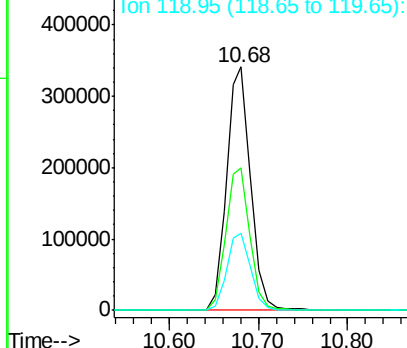
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059436.D
Acq: 26 Jun 2018 21:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 647005
Ion Ratio Lower Upper
117 100
82 58.4 49.0 73.6
119 31.8 26.2 39.4

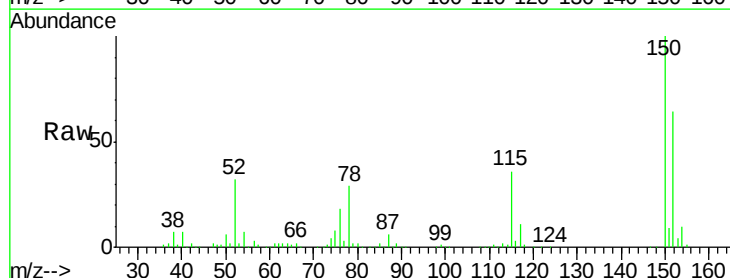


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

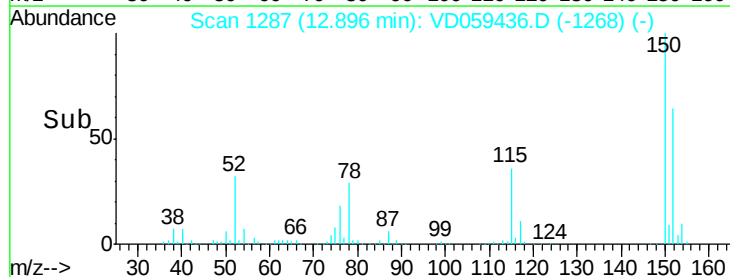
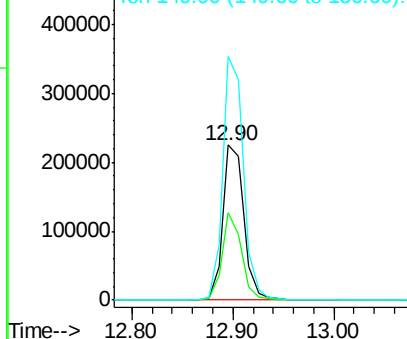


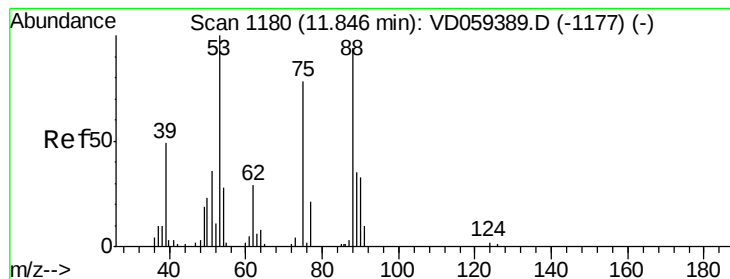
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD059436.D
Acq: 26 Jun 2018 21:06

Tgt Ion:152 Resp: 326103
Ion Ratio Lower Upper
152 100
115 56.2 29.4 88.3
150 157.1 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: 129.867 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

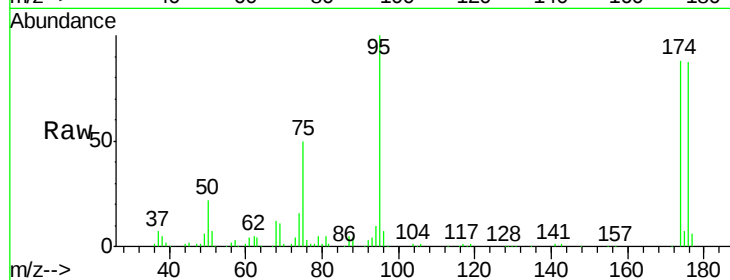
Tot Ion: 75 Resp: 132773

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

