

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059442.D
 Acq On : 27 Jun 2018 14:05
 Operator : VA/AP
 Sample : J3681-02
 Misc : 11.17g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 15:06:15 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	5.64	168	824603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1058149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	846734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	425566	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	291860	34.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.22%	
35) Dibromofluoromethane	5.56	113	309170	35.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.74%	
50) Toluene-d8	8.71	98	687743	34.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	68.26%	
62) 4-Bromofluorobenzene	11.92	95	297769	35.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.06%	

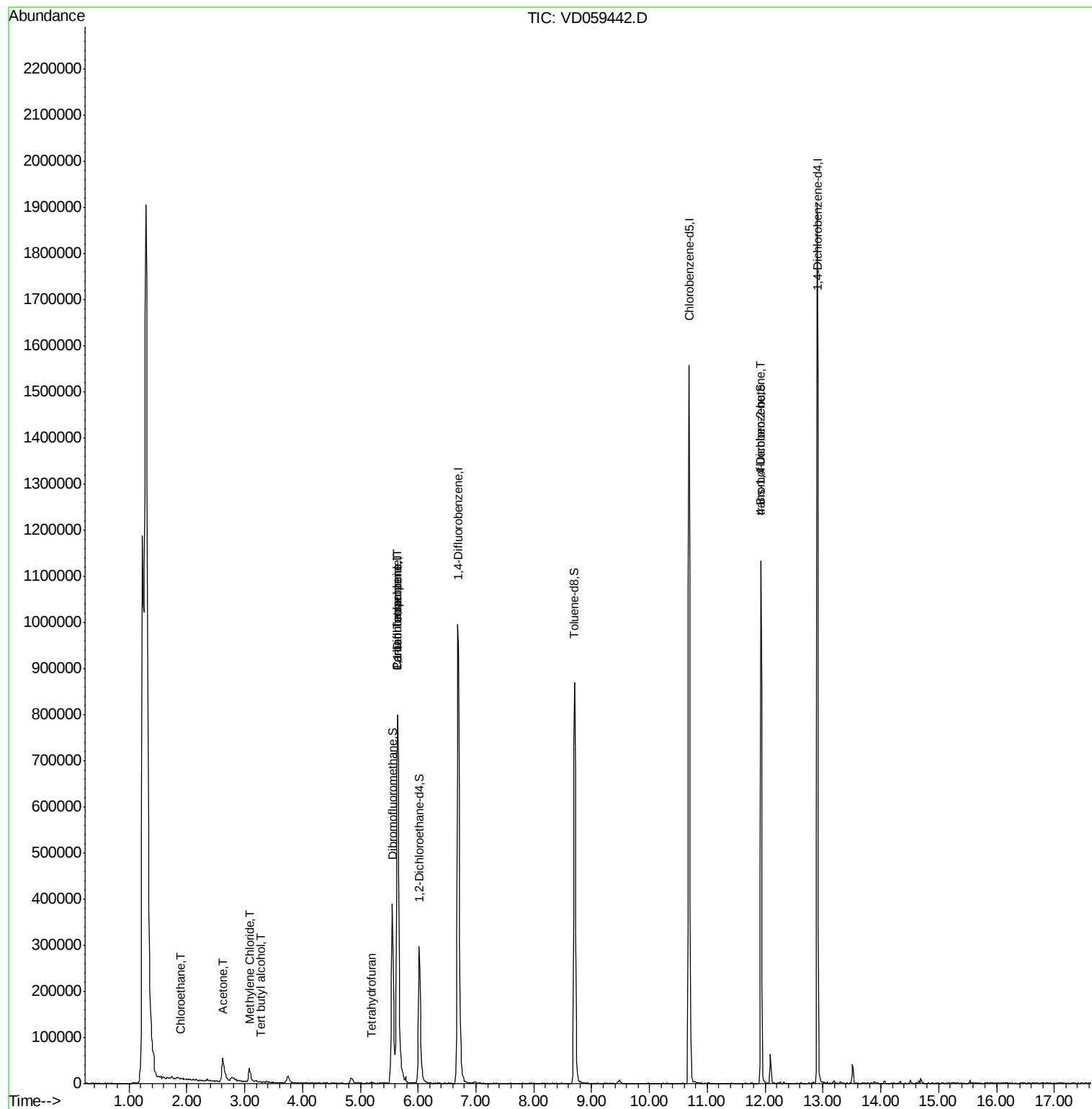
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.91	94	393	Below Cal	#	4
6) Chloroethane	1.90	64	180	2.01	ug/l #	41
11) Tert butyl alcohol	3.26	59	632	2.17	ug/l #	72
16) Acetone	2.62	43	112517	105.72	ug/l	97
18) Methyl Acetate	2.92	43	2046	Below Cal	#	66
20) Methylene Chloride	3.08	84	15316	2.84	ug/l #	78
29) Tetrahydrofuran	5.19	42	1472	1.21	ug/l #	68
31) Cyclohexane	5.64	56	18053	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	66541	6.93	ug/l #	52
38) Carbon Tetrachloride	5.64	117	64013	6.47	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	152772	114.50	ug/l #	1

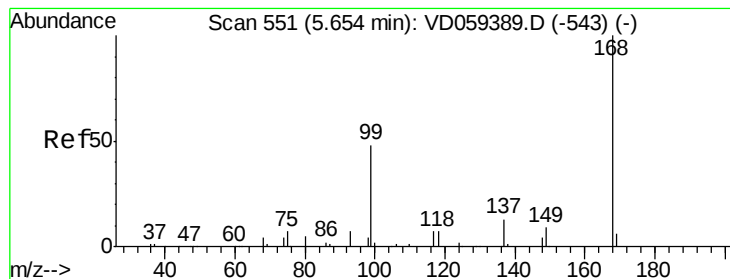
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

Instrument :

MSVOA_D

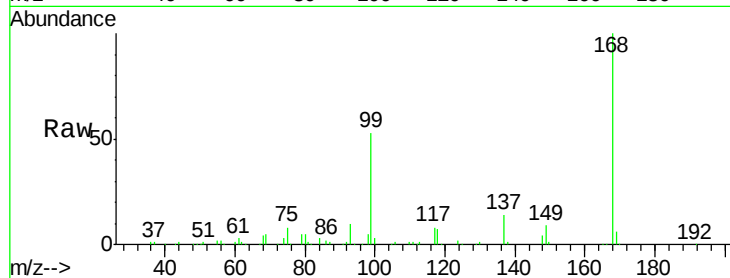
ClientSampled :

Tot Ion:168 Resp: 824603

Ion Ratio Lower Upper

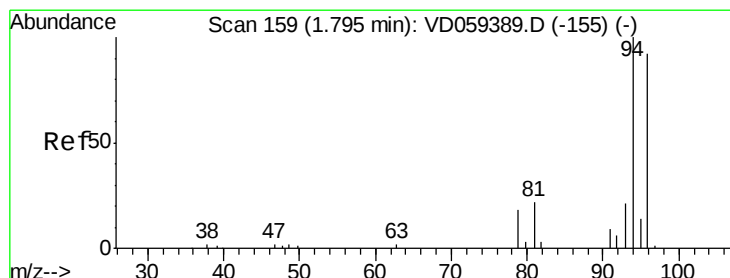
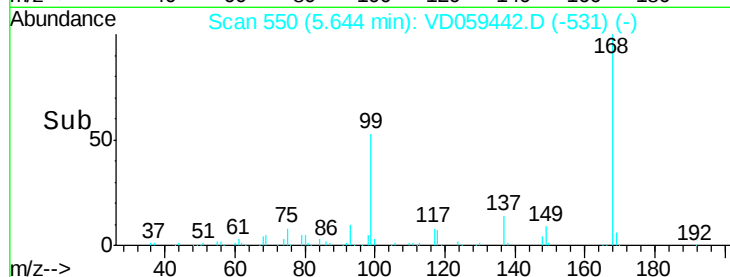
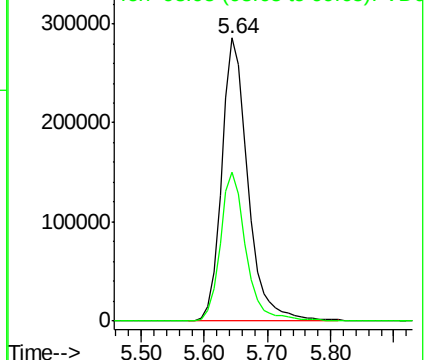
168 100

99 52.6 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: 1.91 min Scan# 171

Delta R.T. 0.12 min

Lab File: VD059442.D

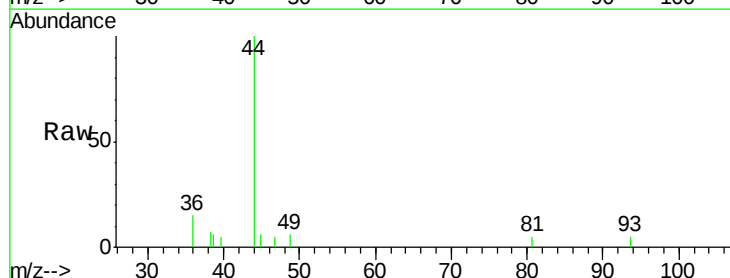
Acq: 27 Jun 2018 14:05

Tgt Ion: 94 Resp: 393

Ion Ratio Lower Upper

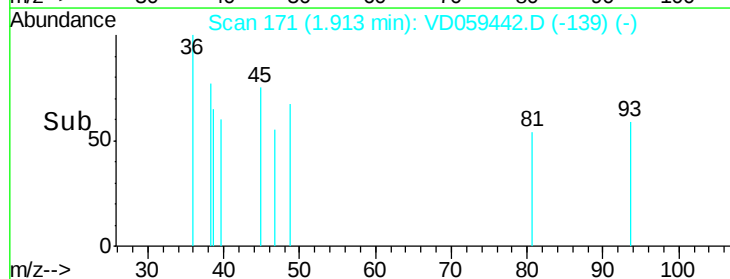
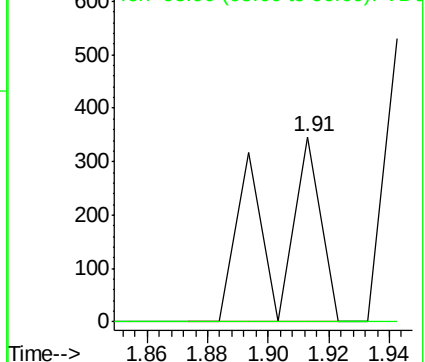
94 100

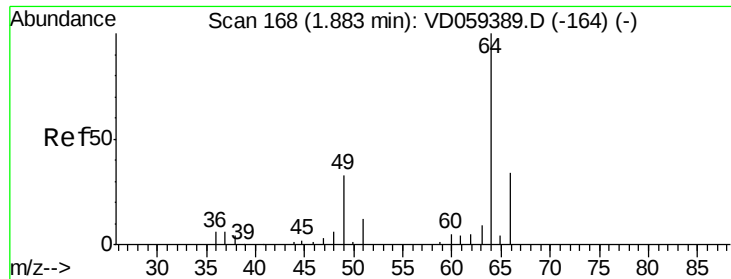
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 2.01 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

Instrument :

MSVOA_D

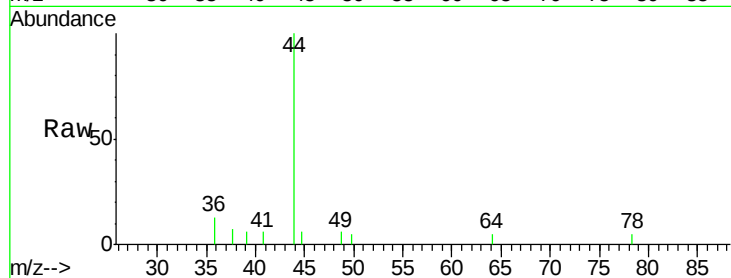
ClientSampleId :

Tot Ion: 64 Resp: 180

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.90

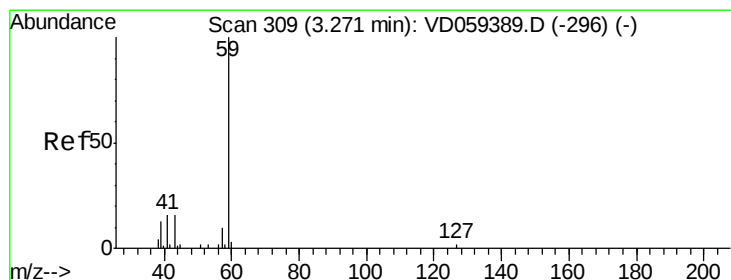
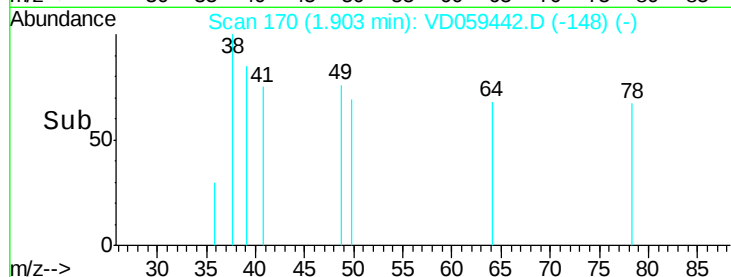
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 2.17 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD059442.D

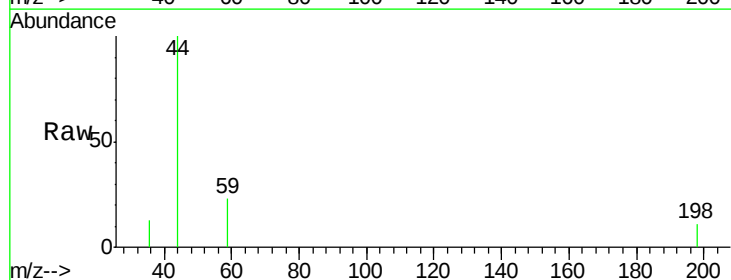
Acq: 27 Jun 2018 14:05

Tgt Ion: 59 Resp: 632

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.26

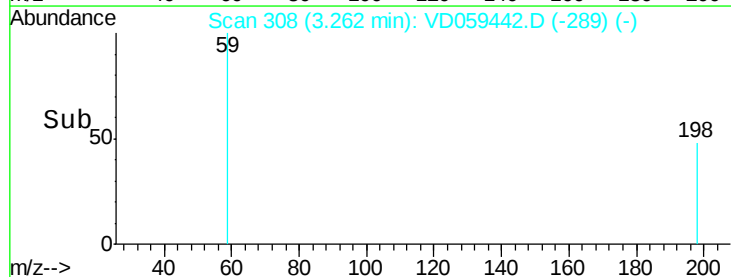
600

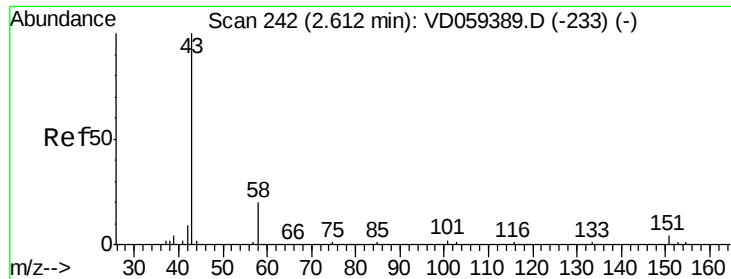
400

200

0

Time-->





#16

Acetone

Concen: 105.72 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

Instrument :

MSVOA_D

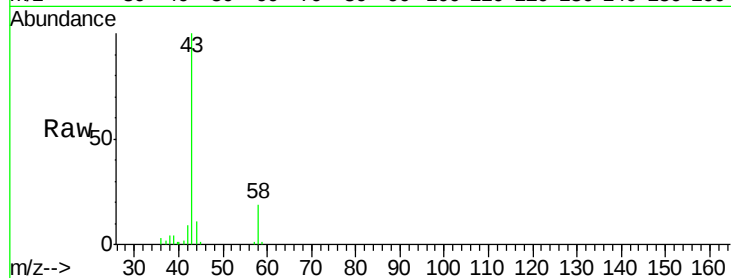
ClientSampleId :

Tot Ion: 43 Resp: 112517

Ion Ratio Lower Upper

43 100

58 19.5 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.62

40000

30000

20000

10000

0

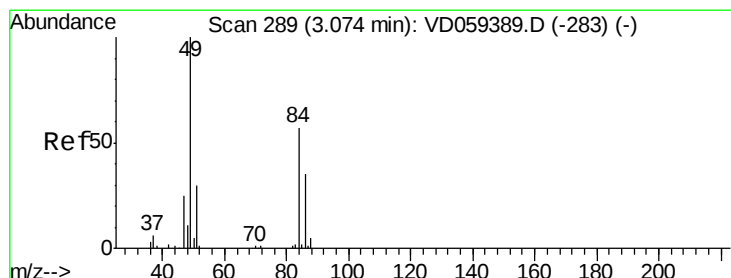
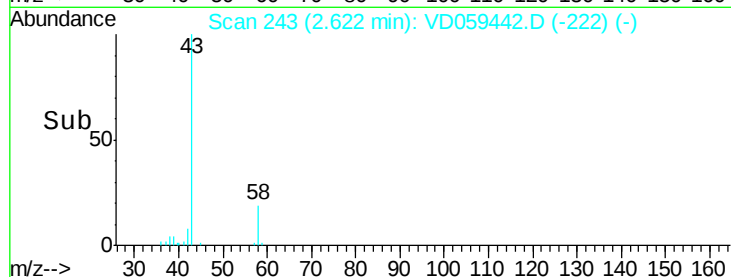
Time-->

2.50

2.60

2.70

2.80



#20

Methylene Chloride

Concen: 2.84 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.01 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

Tgt Ion: 84 Resp: 15316

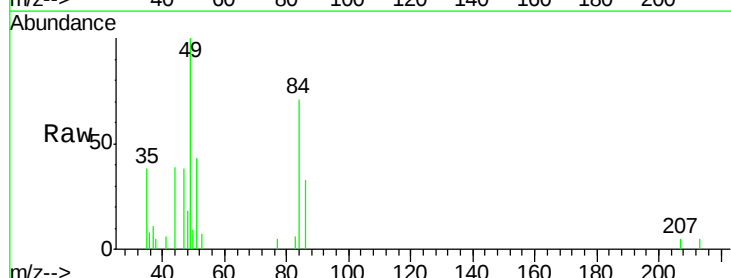
Ion Ratio Lower Upper

84 100

49 140.2 140.3 210.5#

51 59.6 41.6 62.4

86 45.7 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

10000

5000

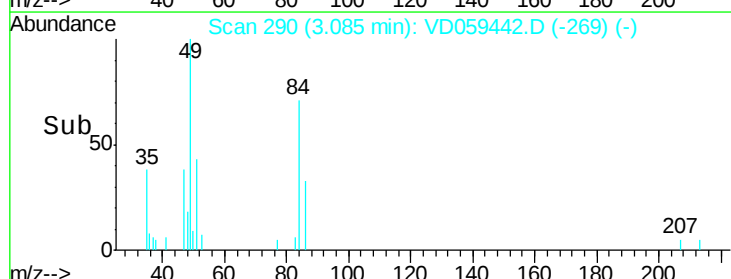
0

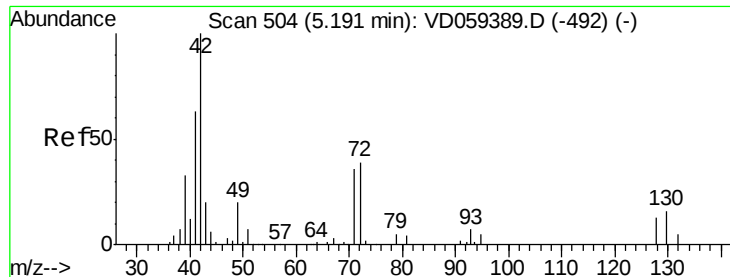
Time-->

3.00

3.10

3.20

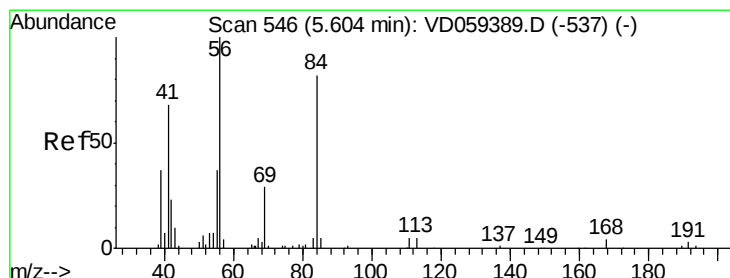
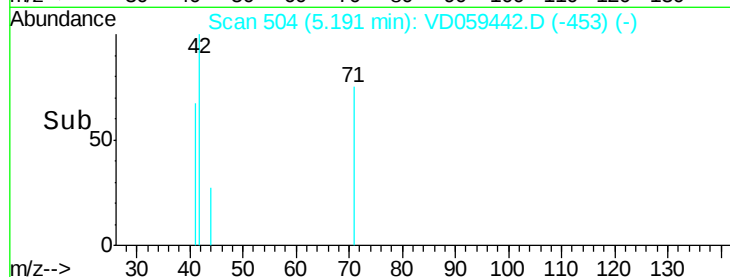
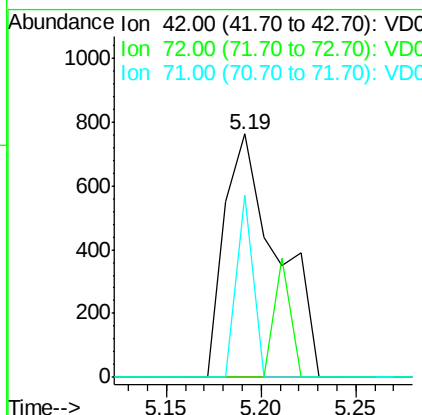
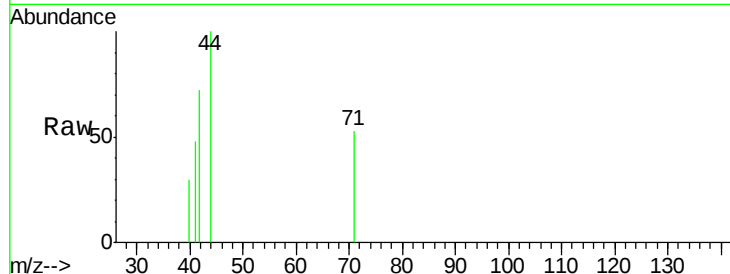




#29
Tetrahydrofuran
Concen: 1.21 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD059442.D
Acq: 27 Jun 2018 14:05

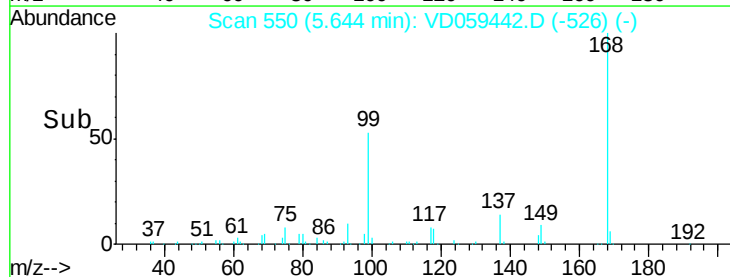
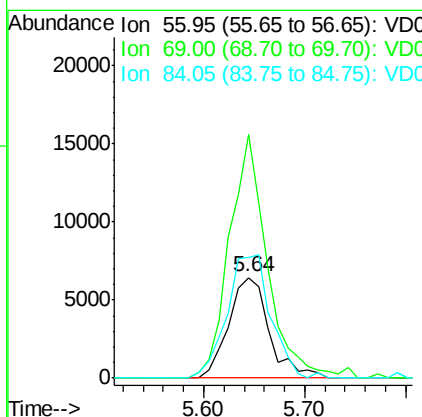
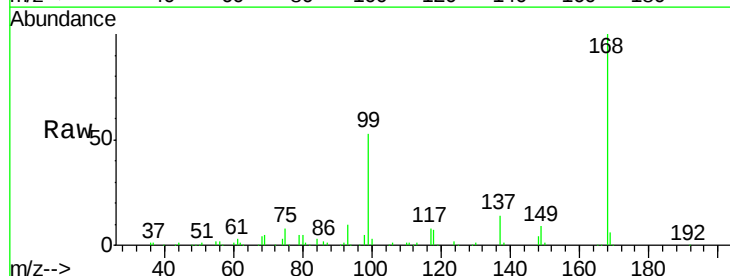
Instrument :
MSVOA_D
ClientSampled :

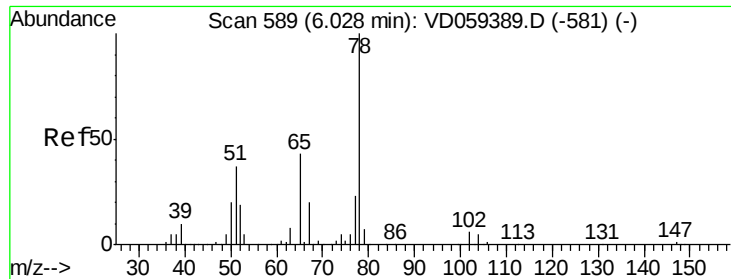
Tot Ion: 42 Resp: 1472
Ion Ratio Lower Upper
42 100
72 14.9 31.4 47.2#
71 22.8 29.7 44.5#



#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD059442.D
Acq: 27 Jun 2018 14:05

Tgt Ion: 56 Resp: 18053
Ion Ratio Lower Upper
56 100
69 241.8 22.9 34.3#
84 120.4 67.3 100.9#

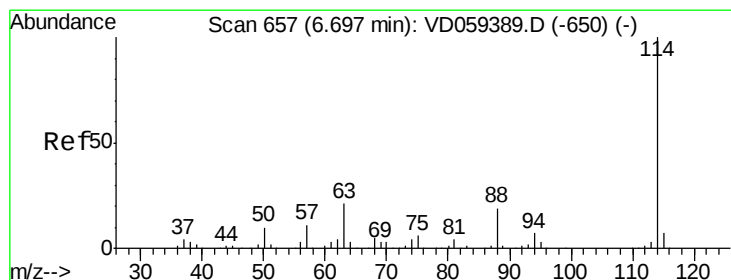
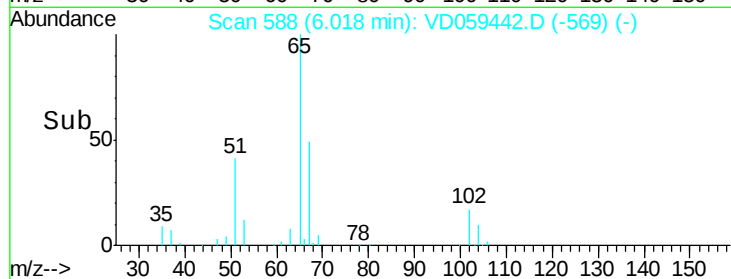
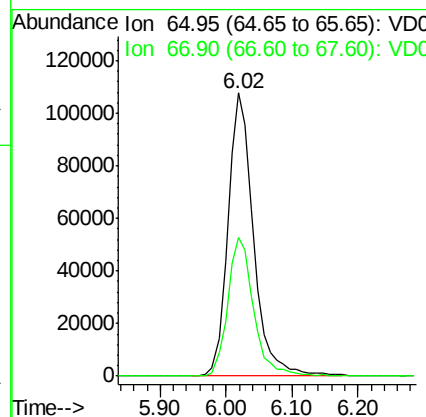
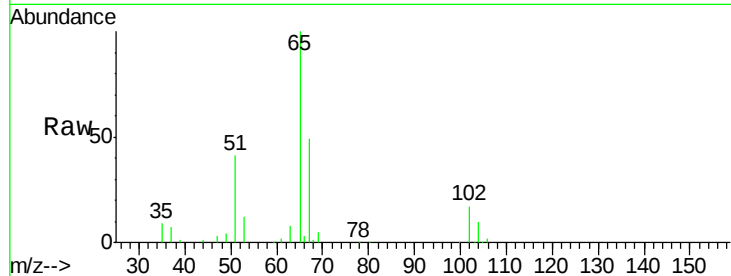




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD059442.D
 Acq: 27 Jun 2018 14:05

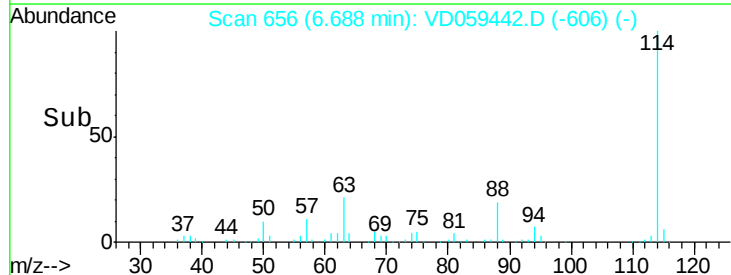
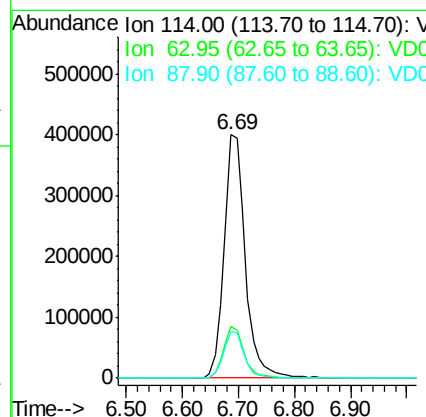
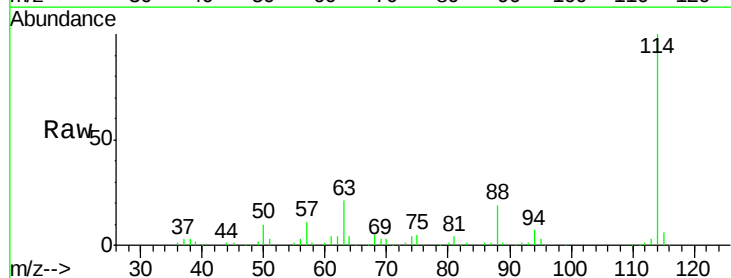
Instrument :
 MSVOA_D
 ClientSampleId :

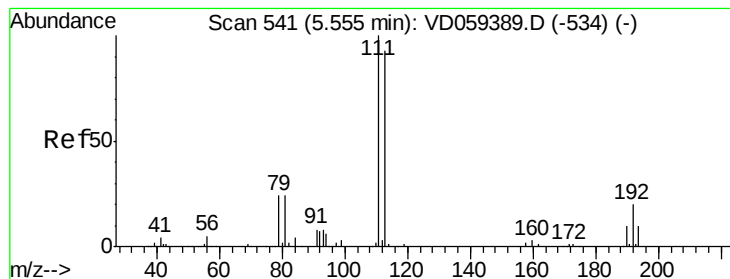
Tot Ion: 65 Resp: 291860
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD059442.D
 Acq: 27 Jun 2018 14:05

Tgt Ion: 114 Resp: 1058149
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 19.1 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

Instrument :
MSVOA_D
ClientSampled :

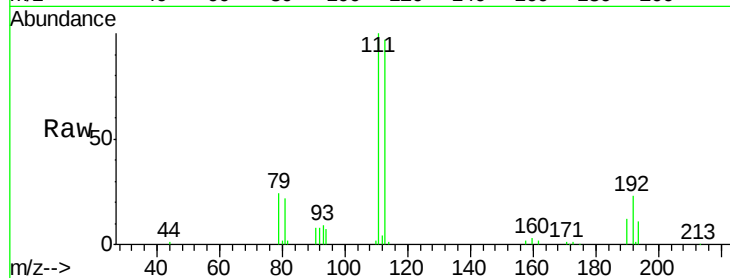
Tot Ion:113 Resp: 309170

Ion Ratio Lower Upper

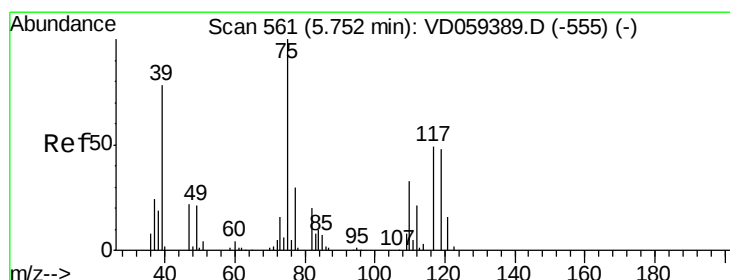
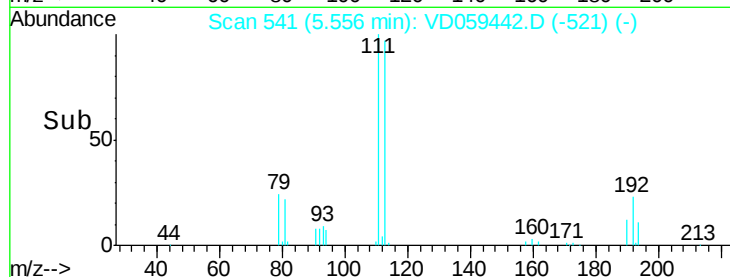
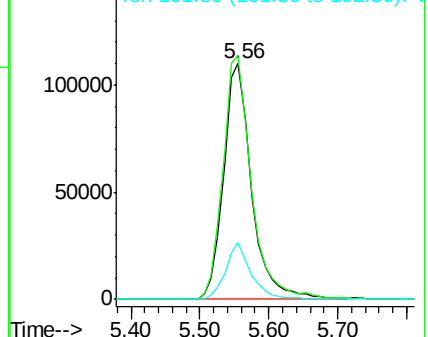
113 100

111 103.2 85.7 128.5

192 24.2 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: 6.93 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

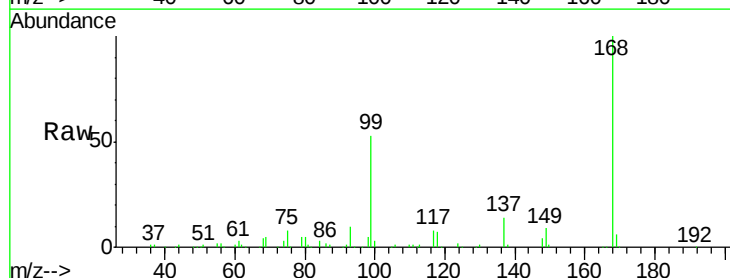
Tgt Ion: 75 Resp: 66541

Ion Ratio Lower Upper

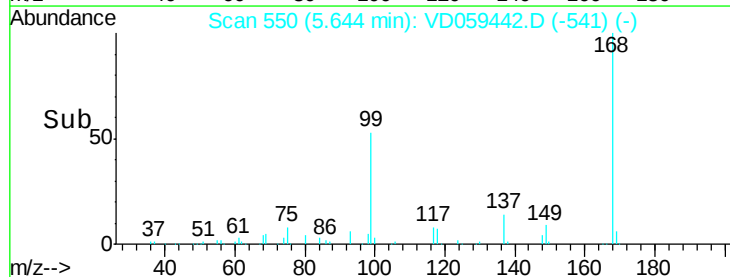
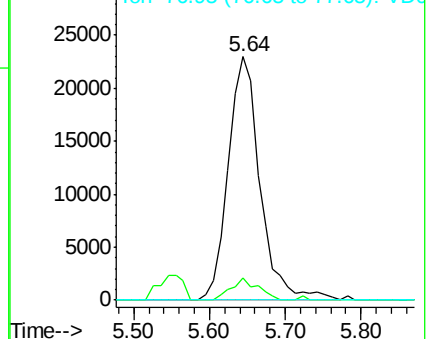
75 100

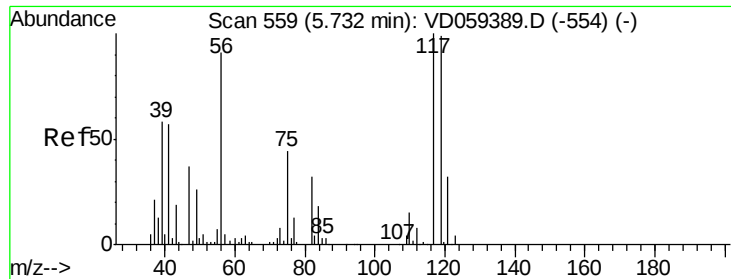
110 8.9 16.1 48.2#

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

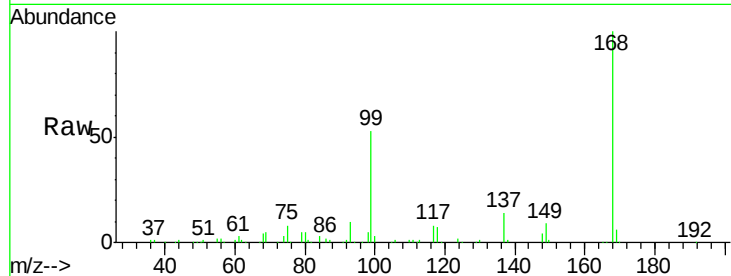




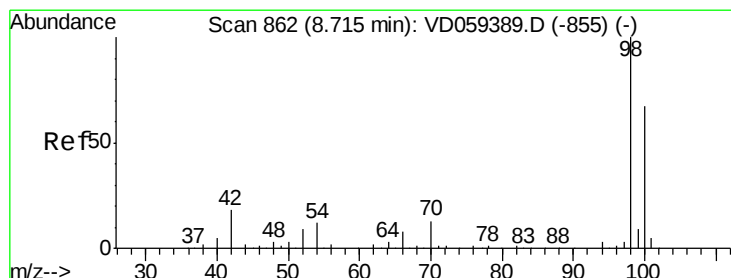
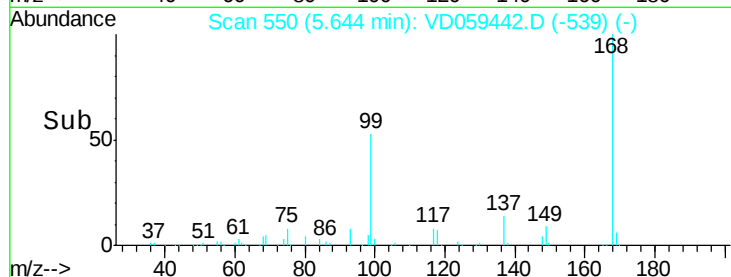
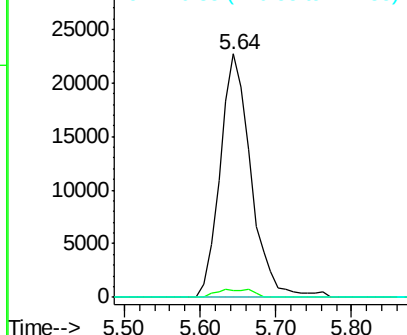
#38
Carbon Tetrachloride
Concen: 6.47 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.09 min
Lab File: VD059442.D
Acq: 27 Jun 2018 14:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 64013
Ion Ratio Lower Upper
117 100
119 3.0 76.6 115.0#
121 0.0 25.0 37.4#

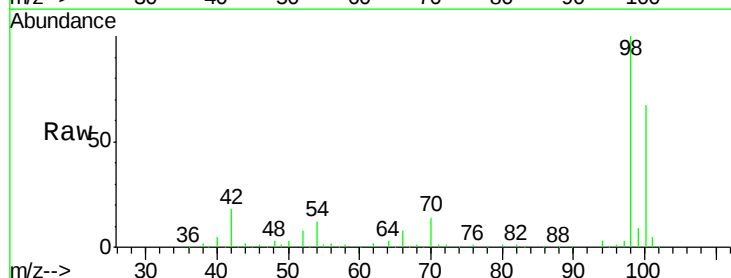


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

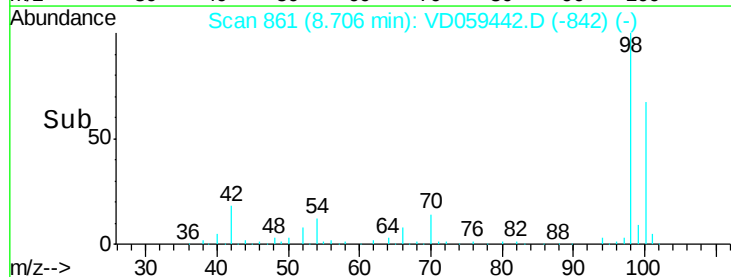
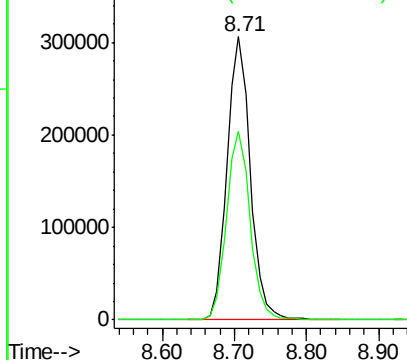


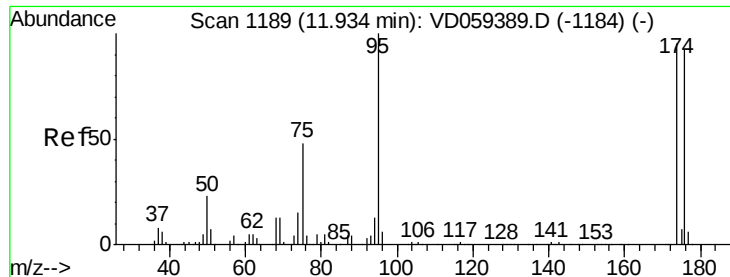
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059442.D
Acq: 27 Jun 2018 14:05

Tgt Ion: 98 Resp: 687743
Ion Ratio Lower Upper
98 100
100 66.8 54.4 81.6



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

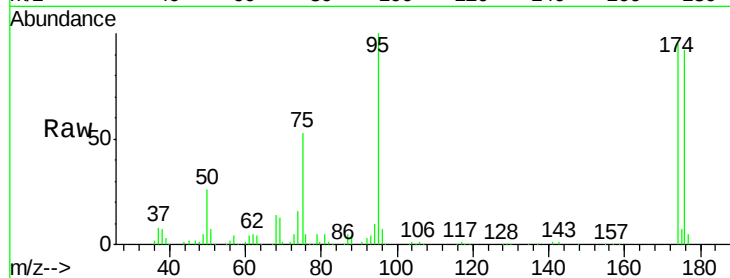
Tot Ion: 95 Resp: 297769

Ion Ratio Lower Upper

95 100

174 95.2 0.0 190.4

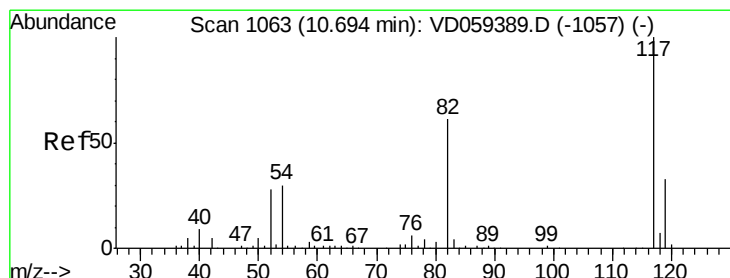
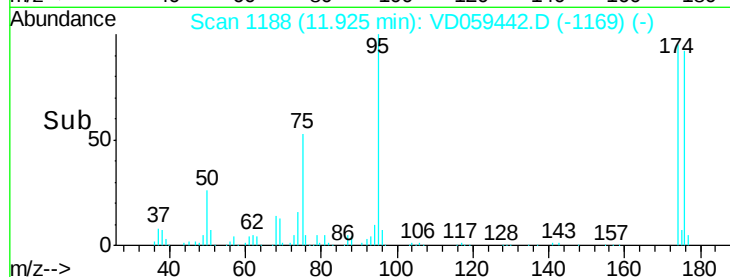
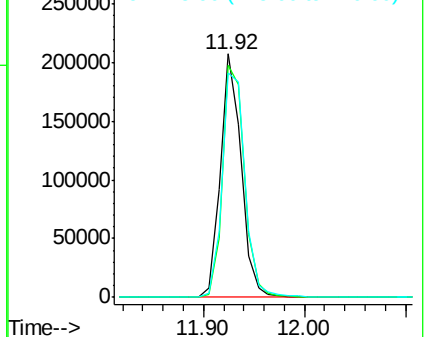
176 92.2 0.0 183.2



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: VD059442.D

Acq: 27 Jun 2018 14:05

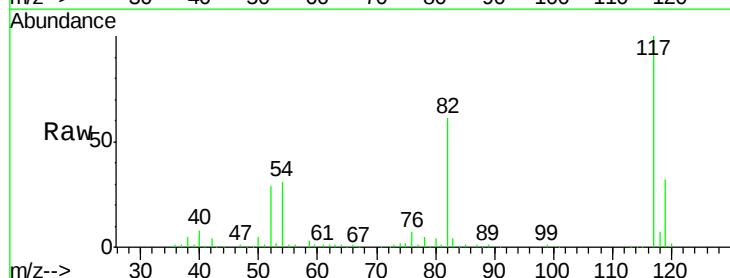
Tgt Ion: 117 Resp: 846734

Ion Ratio Lower Upper

117 100

82 60.8 49.0 73.6

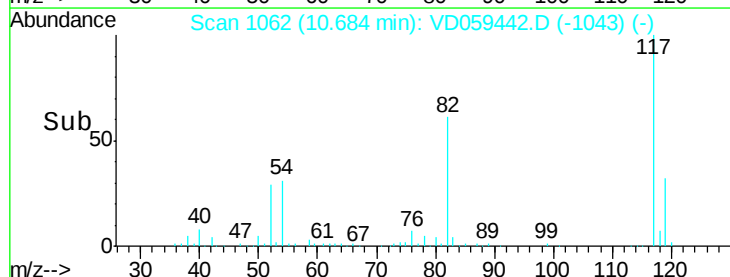
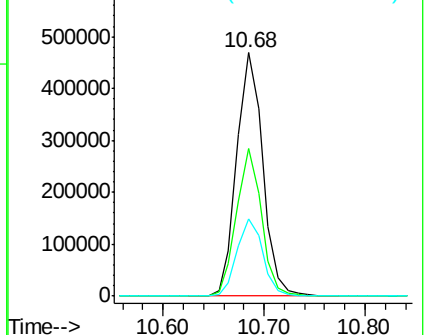
119 31.6 26.2 39.4

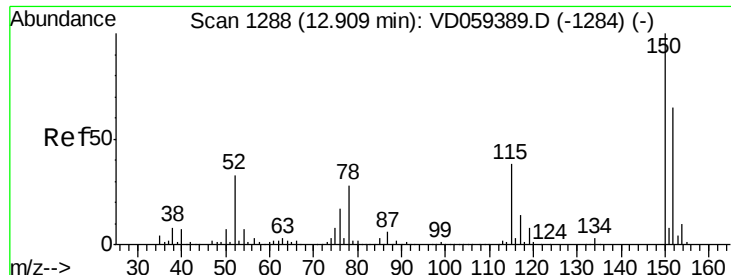


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

Instrument :

MSVOA_D

ClientSampleId :

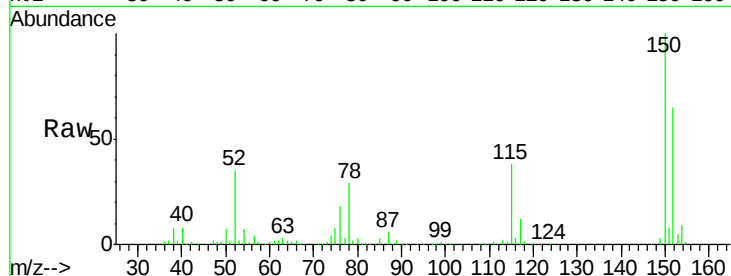
Tot Ion:152 Resp: 425566

Ion Ratio Lower Upper

152 100

115 58.6 29.4 88.3

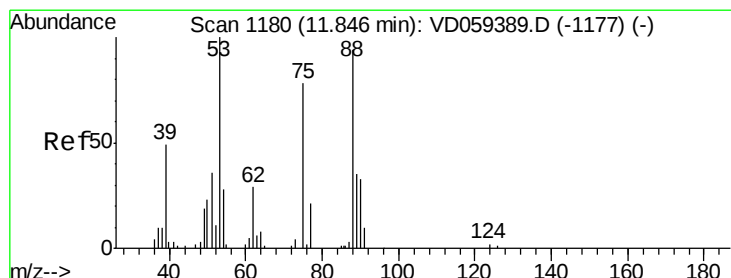
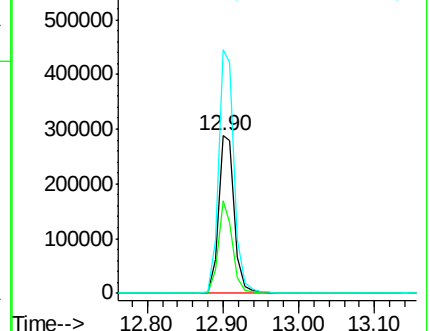
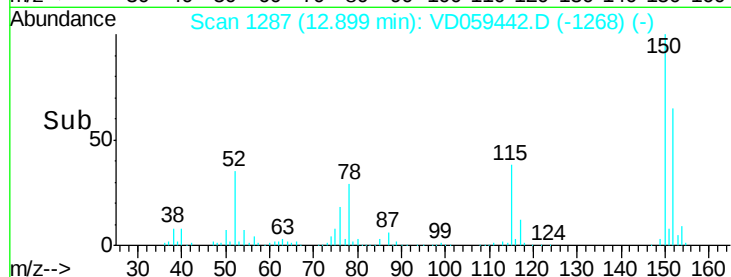
150 154.6 0.0 308.2



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: 114.50 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059442.D

Acq: 27 Jun 2018 14:05

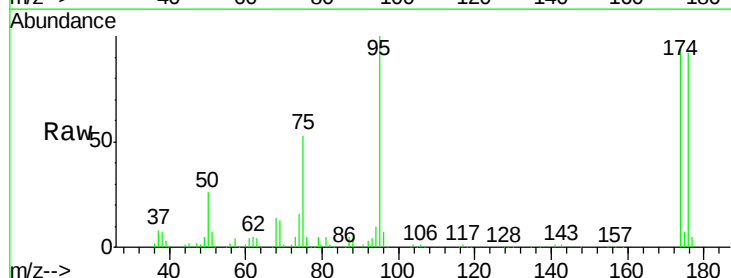
Tgt Ion: 75 Resp: 152772

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

