

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059397.D
 Acq On : 25 Jun 2018 14:14
 Operator : VA/AP
 Sample : VD0625SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBL01

Quant Time: Jun 26 06:45:22 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	965109	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	1211361	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	1014265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	561487	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	464679	47.08	ug/l	-0.01
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	5.54	113	474353	48.08	ug/l	-0.01
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	8.70	98	1080598	46.85	ug/l	-0.01
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.93	95	485956	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	

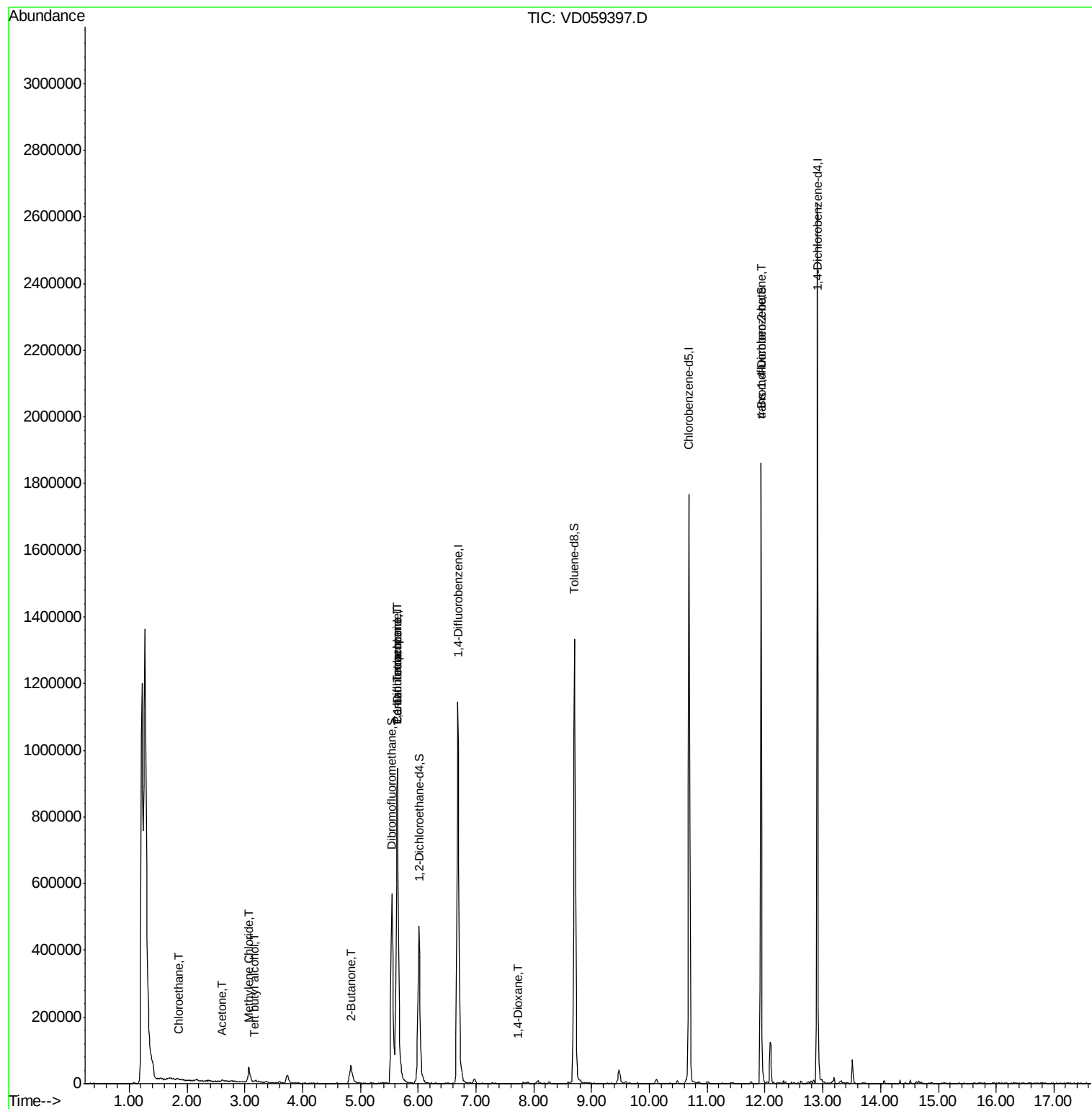
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.81	94	1037	Below Cal	#	4
6) Chloroethane	1.85	64	448	2.099	ug/l #	41
11) Tert butyl alcohol	3.17	59	5060	14.820	ug/l #	72
16) Acetone	2.62	43	9945	7.984	ug/l #	55
18) Methyl Acetate	2.93	43	374	Below Cal	#	66
20) Methylene Chloride	3.07	84	20471	3.611	ug/l	87
25) 2-Butanone	4.82	43	5647	2.164	ug/l #	57
31) Cyclohexane	5.64	56	23997	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	73223	6.663	ug/l #	51
38) Carbon Tetrachloride	5.64	117	76658	6.766	ug/l #	17
49) 1,4-Dioxane	7.73	88	186	3.622	ug/l #	21
81) trans-1,4-Dichloro-2-buten	11.93	75	233174	132.460	ug/l #	1

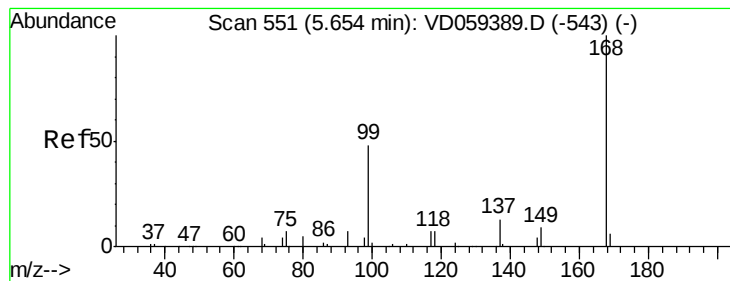
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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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: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

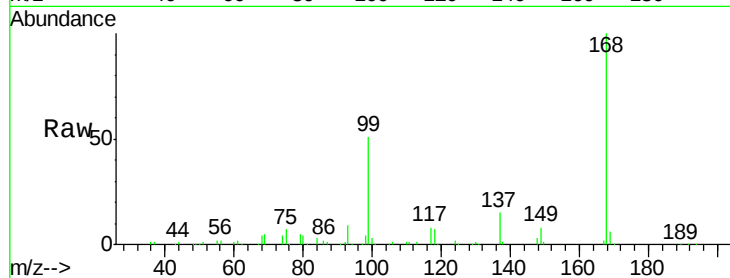
VD0625SBL01

Tot Ion:168 Resp: 965109

Ion Ratio Lower Upper

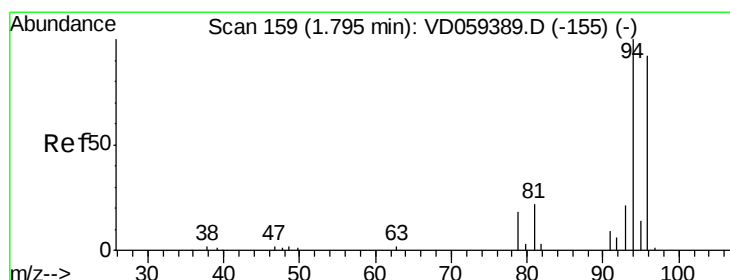
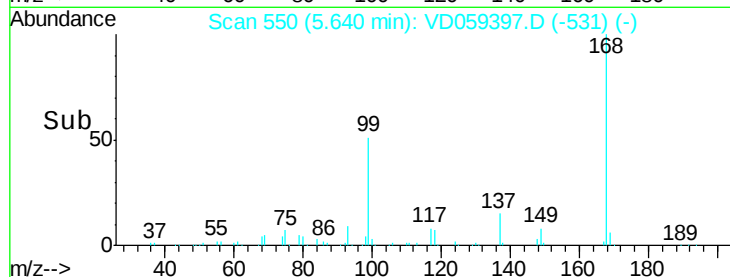
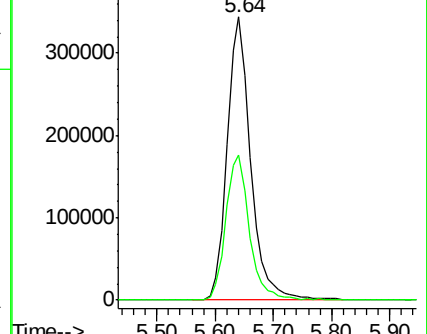
168 100

99 51.3 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: VD059397.D

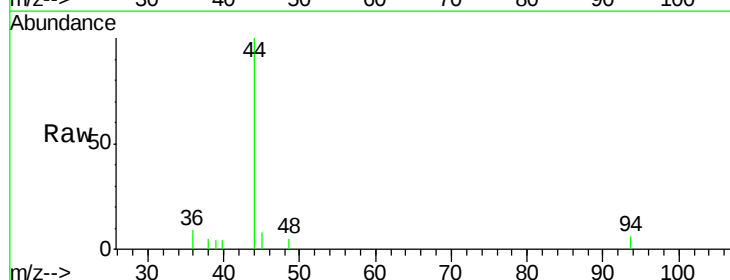
Acq: 25 Jun 2018 14:14

Tgt Ion: 94 Resp: 1037

Ion Ratio Lower Upper

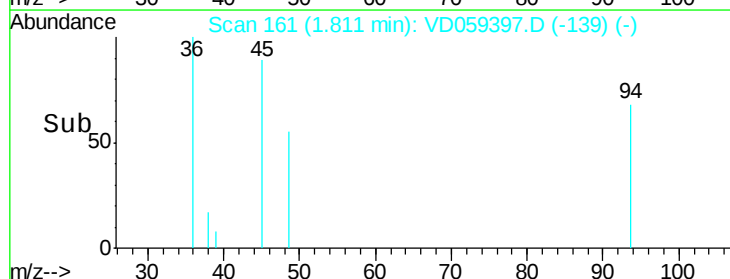
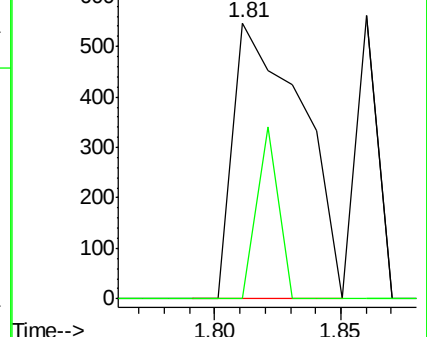
94 100

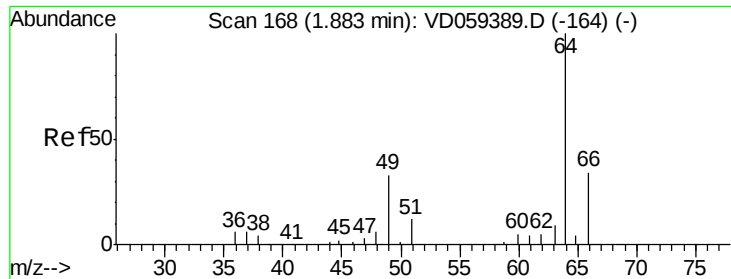
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 2.099 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.03 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

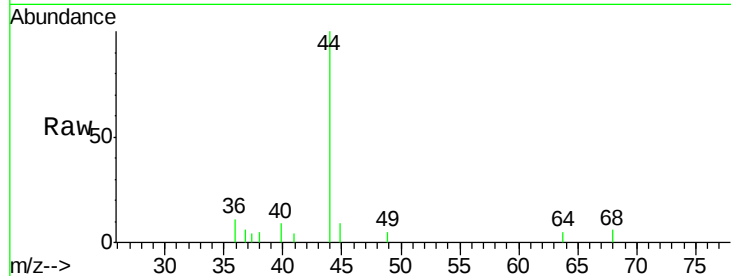
VD0625SBL01

Tot Ion: 64 Resp: 448

Ion Ratio Lower Upper

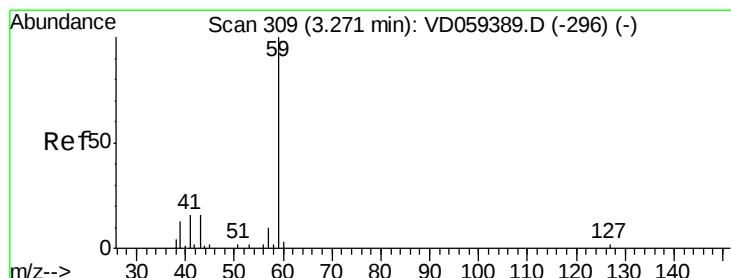
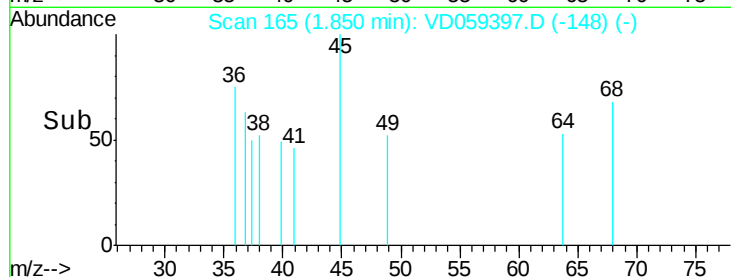
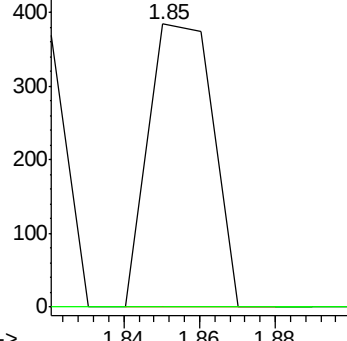
64 100

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



#11

Tert butyl alcohol

Concen: 14.820 ug/l

RT: 3.17 min Scan# 299

Delta R.T. -0.10 min

Lab File: VD059397.D

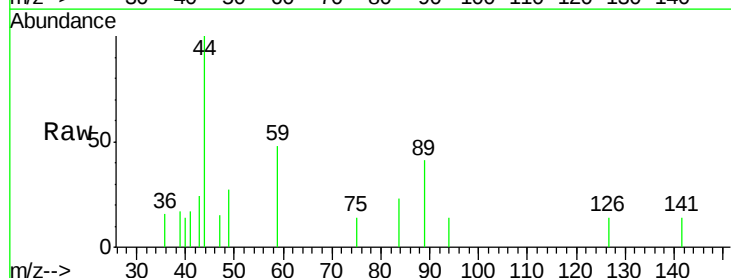
Acq: 25 Jun 2018 14:14

Tgt Ion: 59 Resp: 5060

Ion Ratio Lower Upper

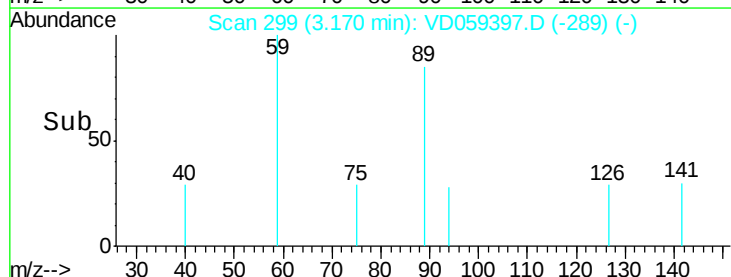
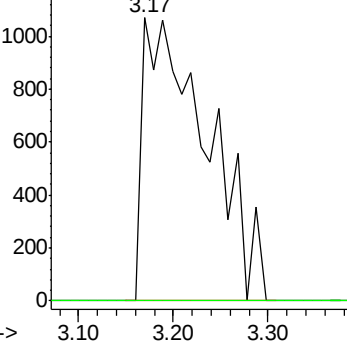
59 100

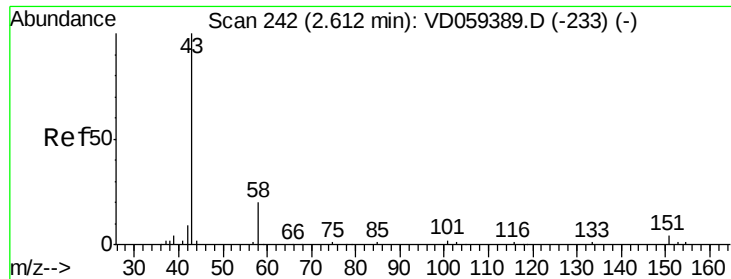
57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 7.984 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampled :

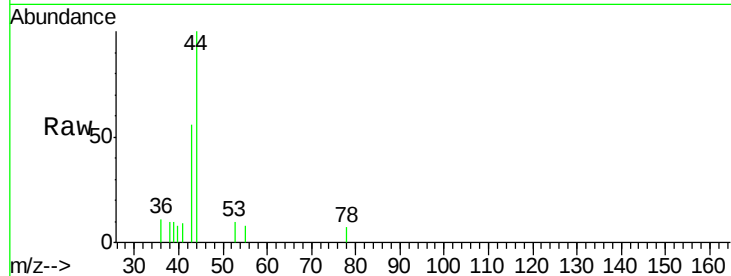
VD0625SBL01

Tot Ion: 43 Resp: 9945

Ion Ratio Lower Upper

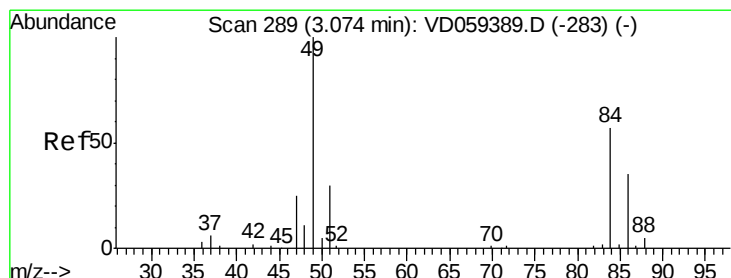
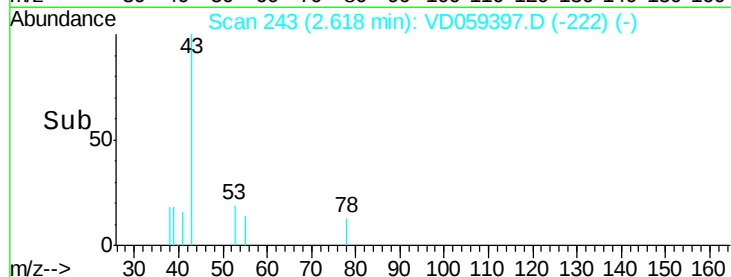
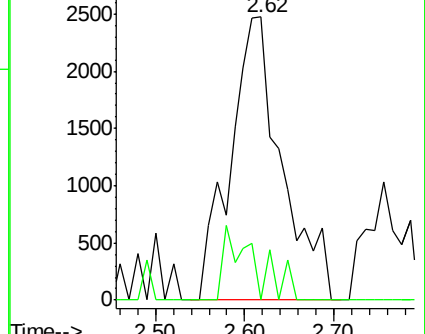
43 100

58 0.0 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: 3.611 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.00 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Tgt Ion: 84 Resp: 20471

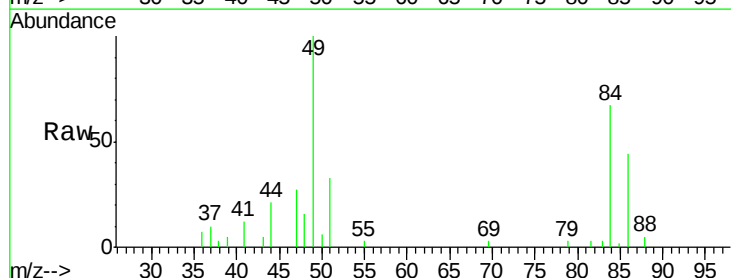
Ion Ratio Lower Upper

84 100

49 149.8 140.3 210.5

51 49.2 41.6 62.4

86 66.1 49.4 74.2

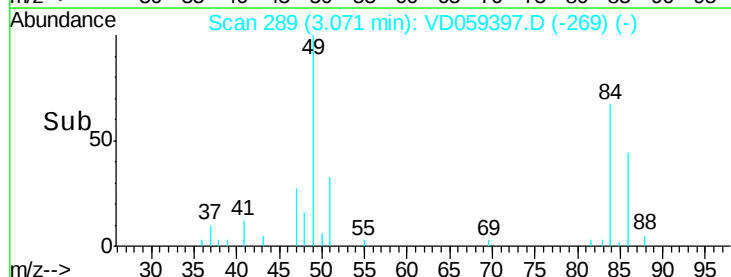
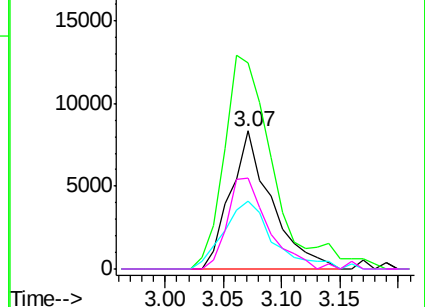


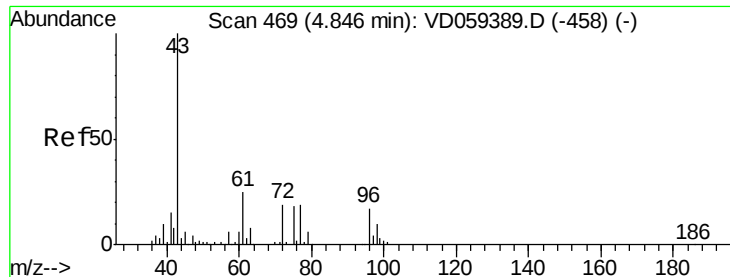
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.164 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

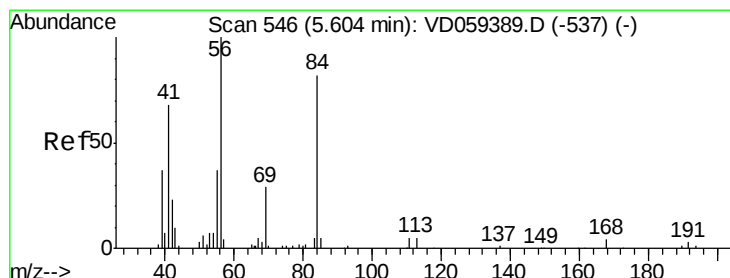
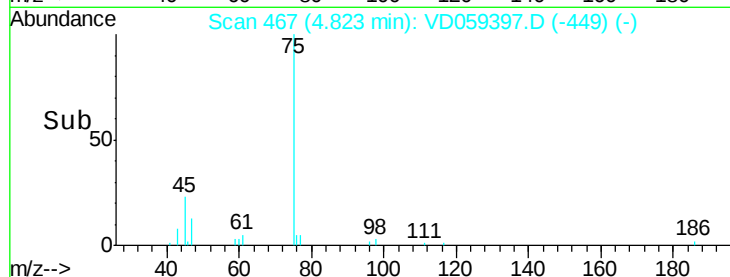
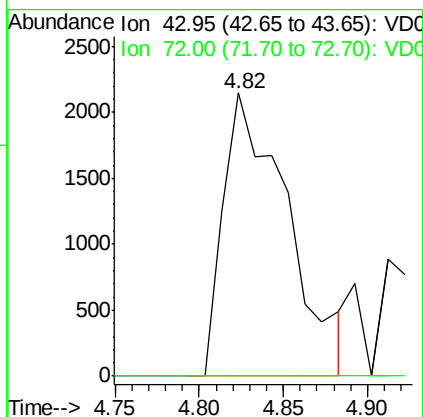
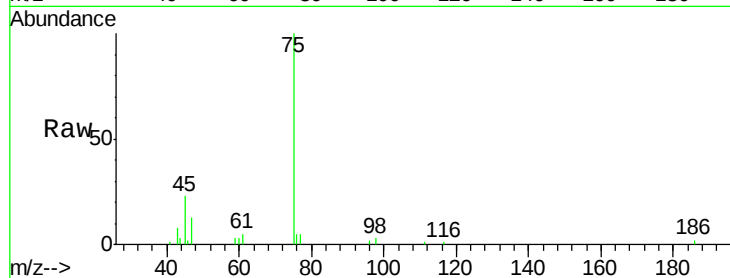
VD0625SBL01

Tot Ion: 43 Resp: 5647

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

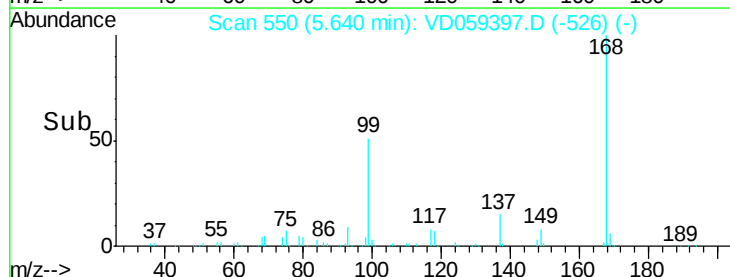
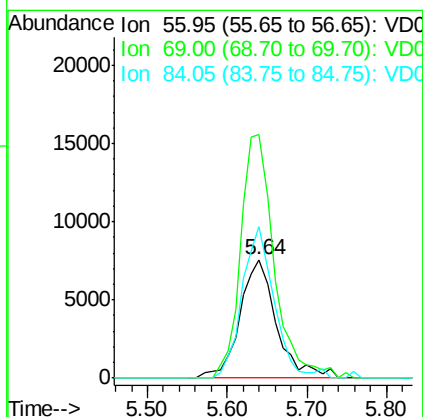
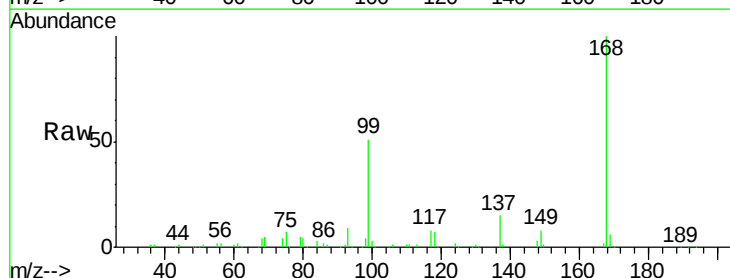
Tgt Ion: 56 Resp: 23997

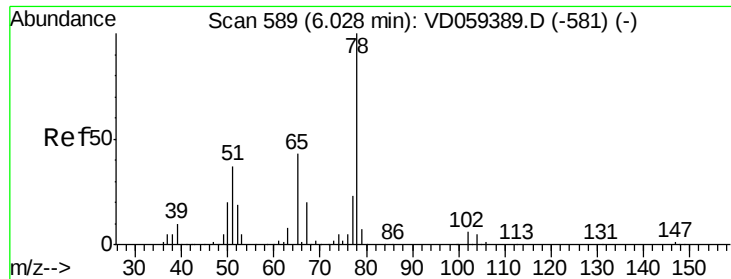
Ion Ratio Lower Upper

56 100

69 205.0 22.9 34.3#

84 127.7 67.3 100.9#

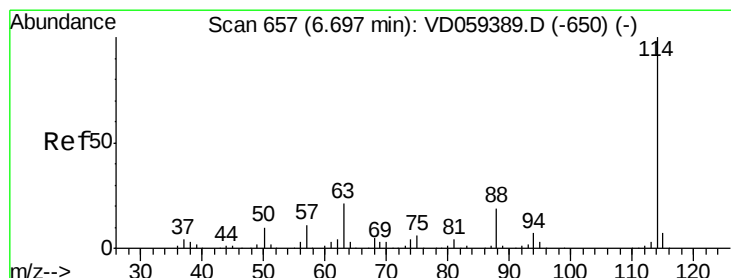
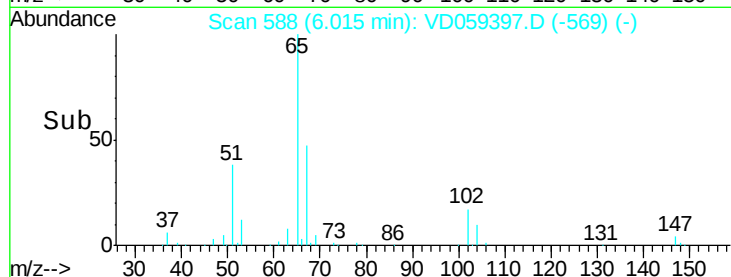
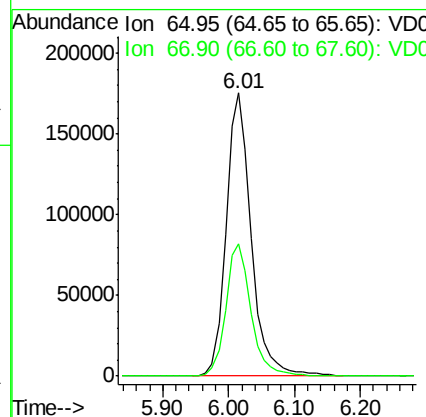
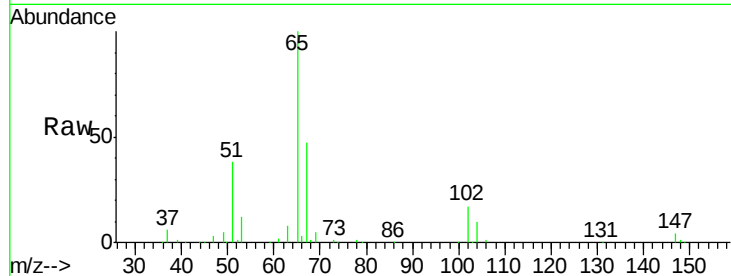




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD059397.D
 Acq: 25 Jun 2018 14:14

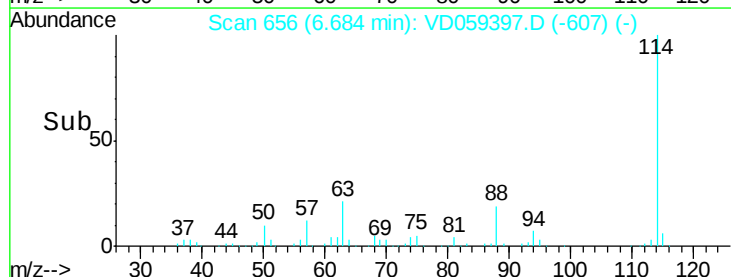
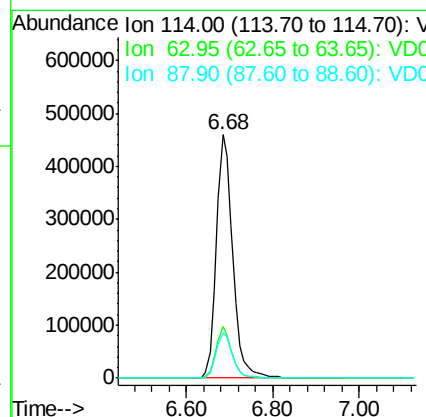
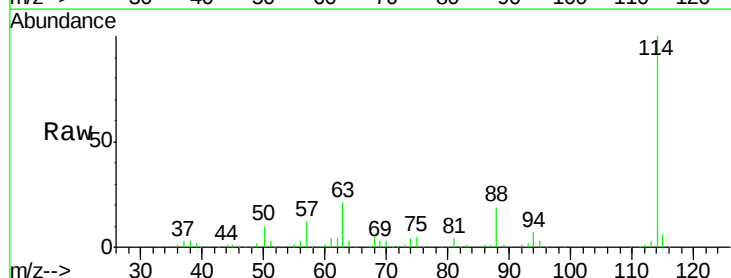
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBL01

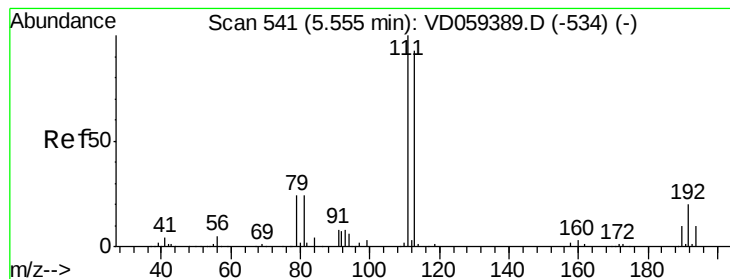
Tot Ion: 65 Resp: 464679
 Ion Ratio Lower Upper
 65 100
 67 46.8 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD059397.D
 Acq: 25 Jun 2018 14:14

Tgt Ion: 114 Resp: 1211361
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 18.8 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBL01

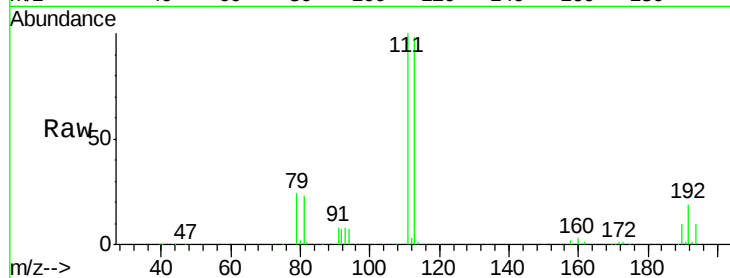
Tot Ion:113 Resp: 474353

Ion Ratio Lower Upper

113 100

111 102.3 85.7 128.5

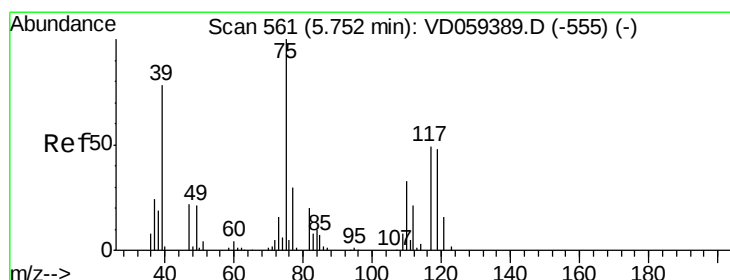
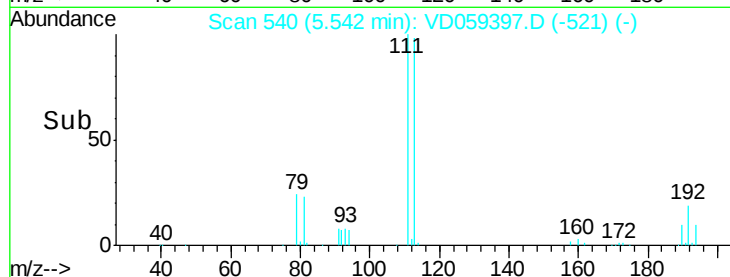
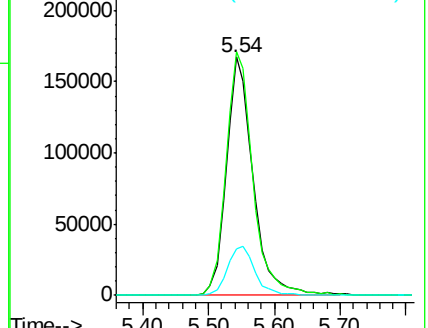
192 19.5 16.9 25.3



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: 6.663 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

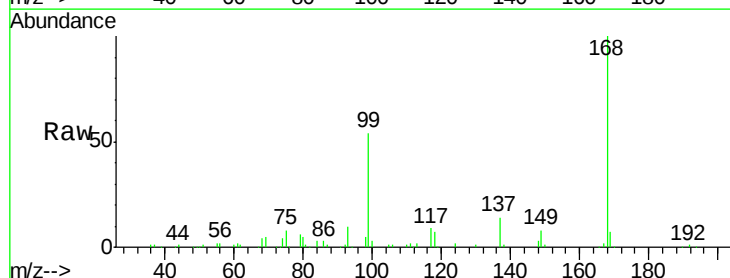
Tgt Ion: 75 Resp: 73223

Ion Ratio Lower Upper

75 100

110 7.4 16.1 48.2#

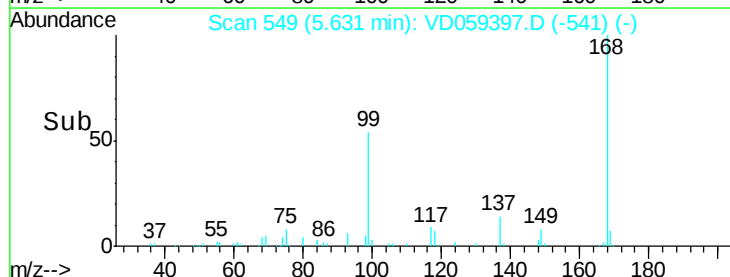
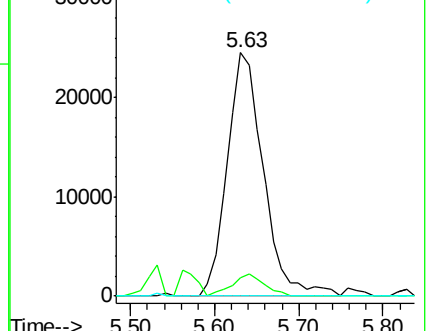
77 0.0 23.4 35.2#

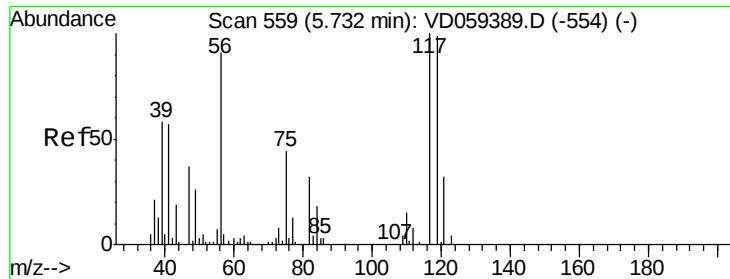


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.766 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBL01

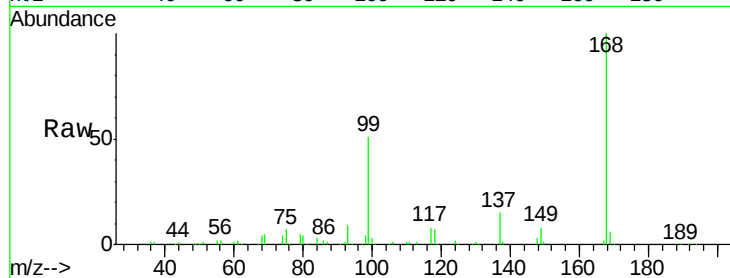
Tot Ion:117 Resp: 76658

Ion Ratio Lower Upper

117 100

119 5.8 76.6 115.0#

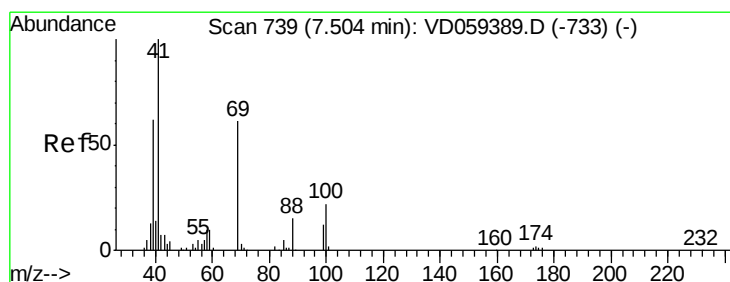
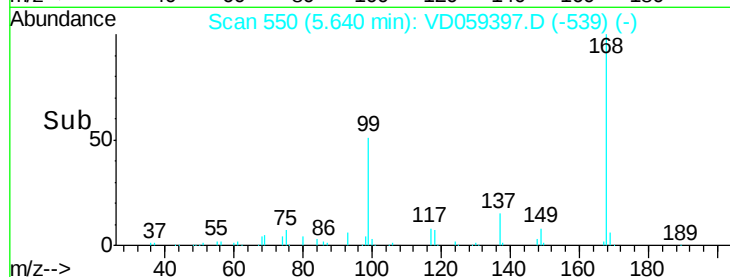
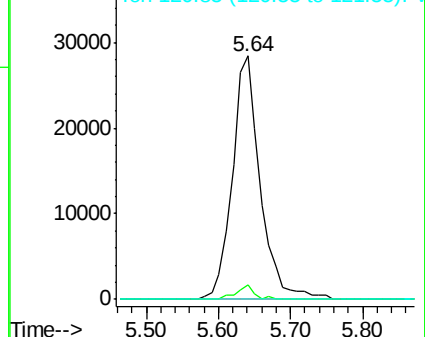
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 3.622 ug/l

RT: 7.73 min Scan# 762

Delta R.T. 0.22 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

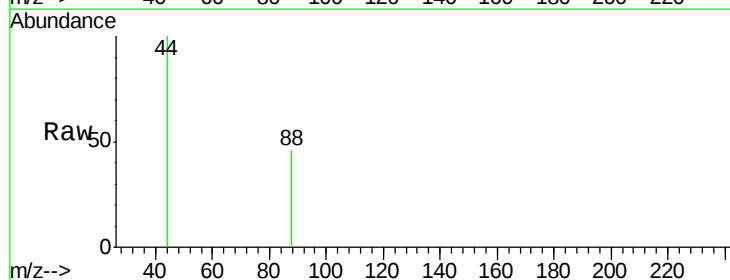
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 0.0 41.0 61.4#

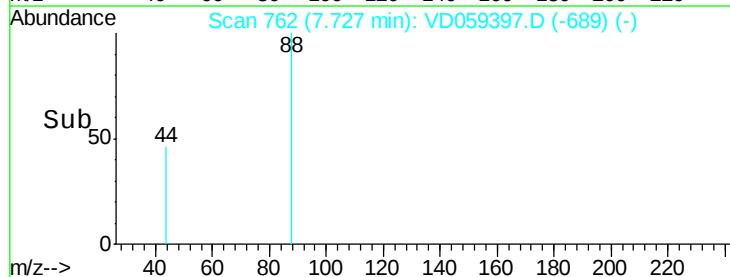
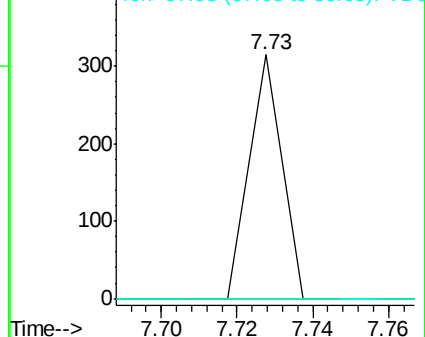
58 0.0 53.4 80.0#

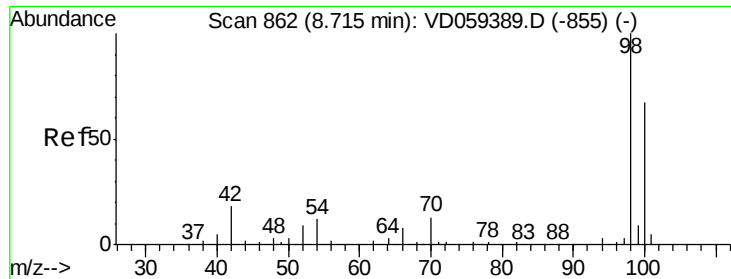


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 3.622 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

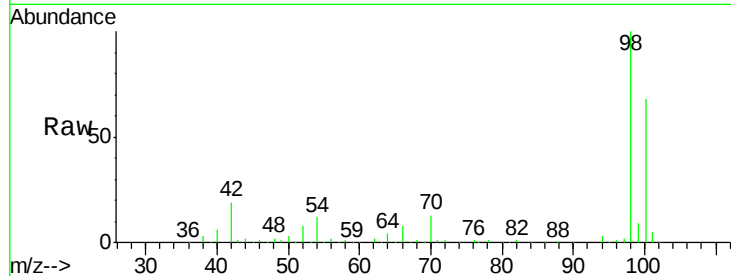
VD0625SBL01

Tot Ion: 98 Resp: 1080598

Ion Ratio Lower Upper

98 100

100 68.5 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.70

500000

400000

300000

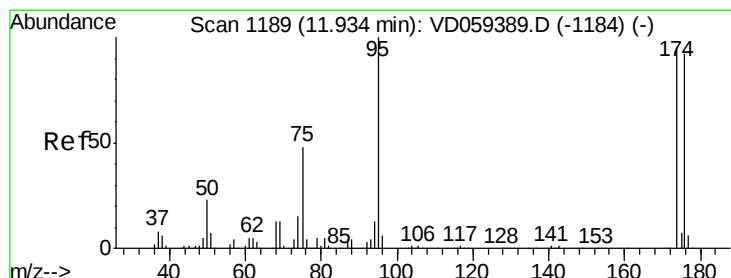
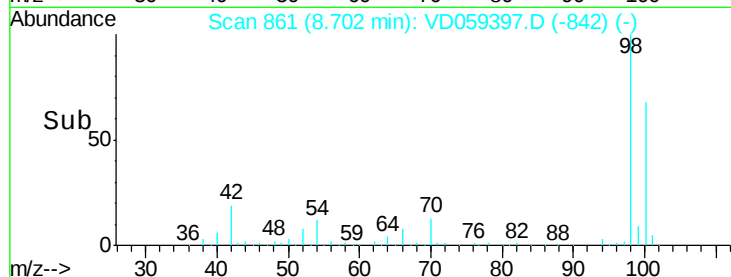
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

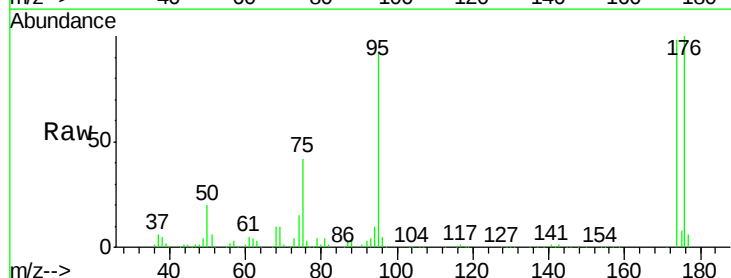
Tgt Ion: 95 Resp: 485956

Ion Ratio Lower Upper

95 100

174 107.0 0.0 190.4

176 109.0 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

500000

400000

300000

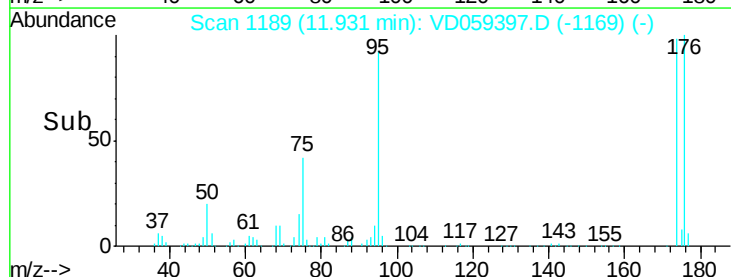
200000

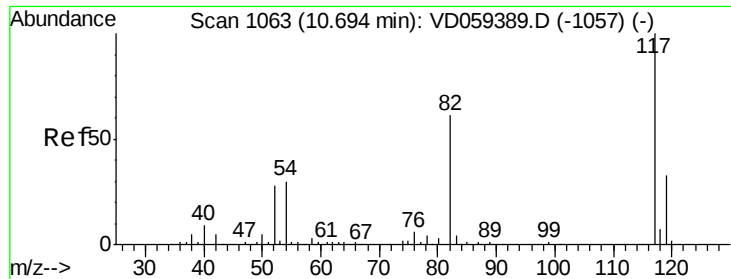
100000

0

11.90 11.93 12.00

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBL01

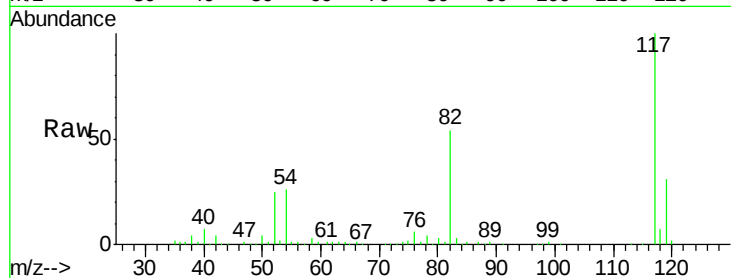
Tot Ion:117 Resp: 1014265

Ion Ratio Lower Upper

117 100

82 54.4 49.0 73.6

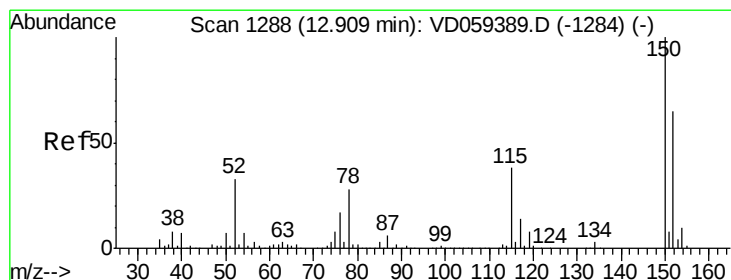
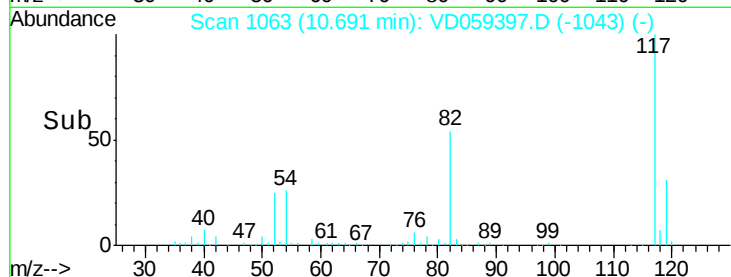
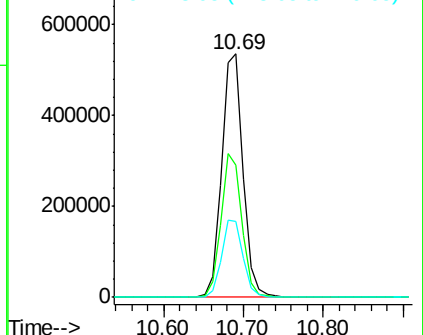
119 31.4 26.2 39.4



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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

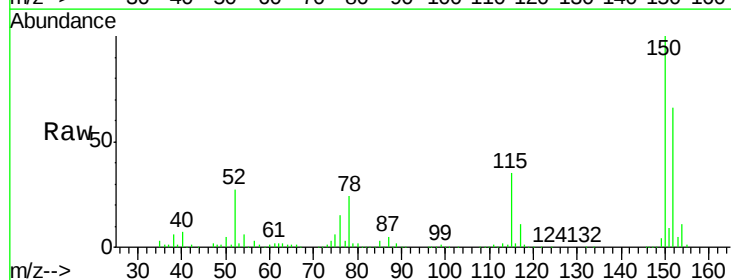
Tgt Ion:152 Resp: 561487

Ion Ratio Lower Upper

152 100

115 53.6 29.4 88.3

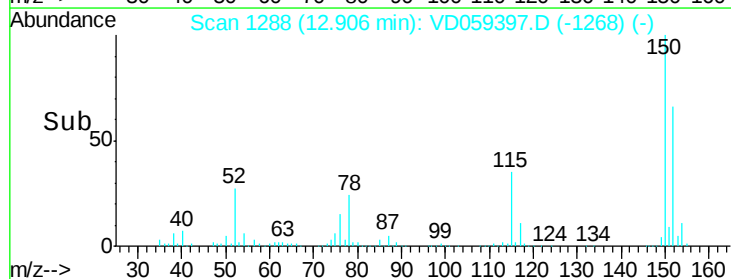
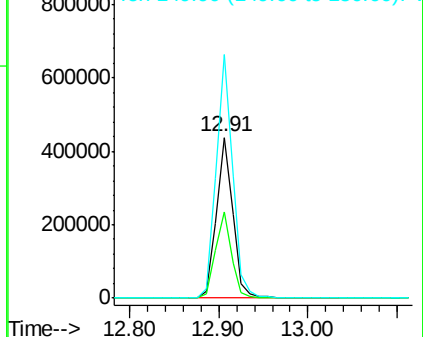
150 151.5 0.0 308.2

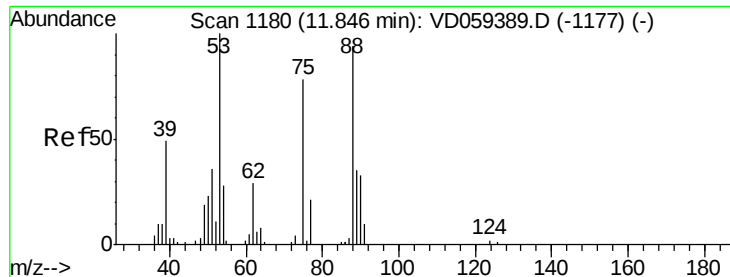


Abundance Ion 151.90 (151.60 to 152.60): V

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: 132.460 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059397.D

Acq: 25 Jun 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBL01

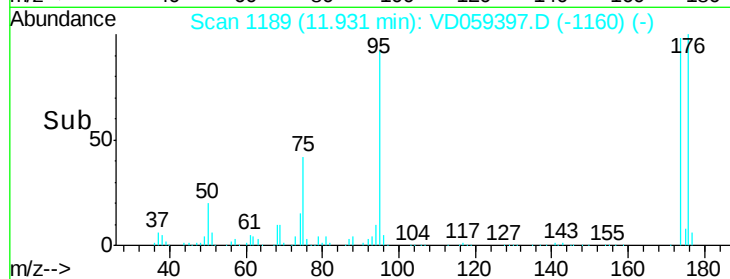
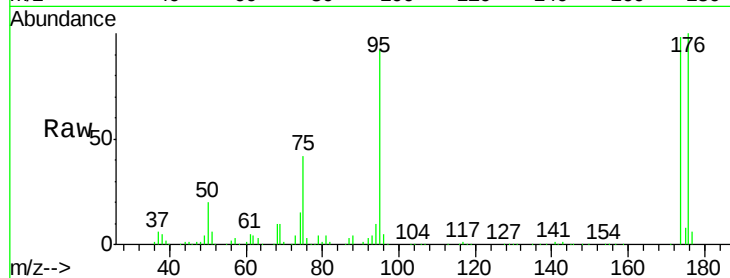
Tot Ion: 75 Resp: 233174

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

