

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059455.D
 Acq On : 27 Jun 2018 20:13
 Operator : VA/AP
 Sample : J3629-05RE
 Misc : 8.22g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 03:00:01 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	5.65	168	595118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	777138	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	543193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	178828	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	233225	38.32	ug/l	0.00
Spiked Amount						
			Recovery	=	76.64%	
35) Dibromofluoromethane	5.55	113	238091	37.61	ug/l	0.00
Spiked Amount						
			Recovery	=	75.22%	
50) Toluene-d8	8.71	98	455651	30.79	ug/l	0.00
Spiked Amount						
			Recovery	=	61.58%	
62) 4-Bromofluorobenzene	11.94	95	157384	25.57	ug/l	0.00
Spiked Amount						
			Recovery	=	51.14%	

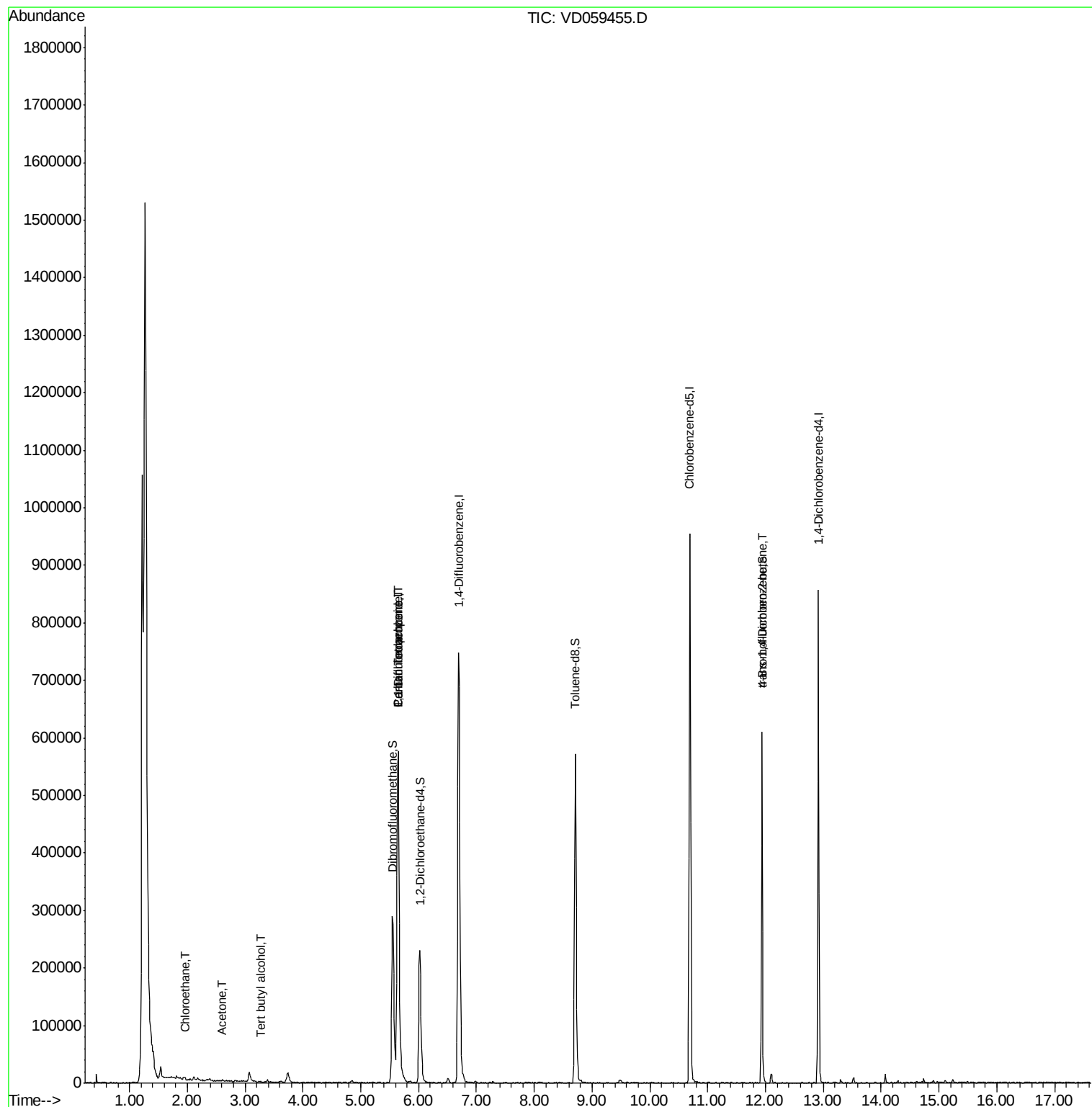
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.82	94	189	Below Cal	#	4
6) Chloroethane	1.95	64	228	2.068	ug/l #	1
11) Tert butyl alcohol	3.26	59	412	1.957	ug/l #	72
16) Acetone	2.61	43	2071	2.696	ug/l #	76
18) Methyl Acetate	2.94	43	955	Below Cal	#	66
31) Cyclohexane	5.64	56	14601	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	49386	7.005	ug/l #	53
38) Carbon Tetrachloride	5.65	117	49982	6.877	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.94	75	77757	138.691	ug/l #	1

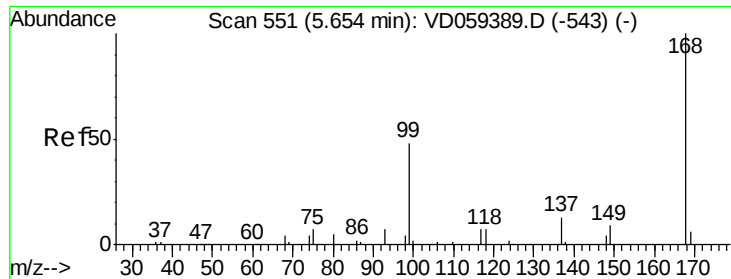
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059455.D

Acq: 27 Jun 2018 20:13

Instrument :

MSVOA_D

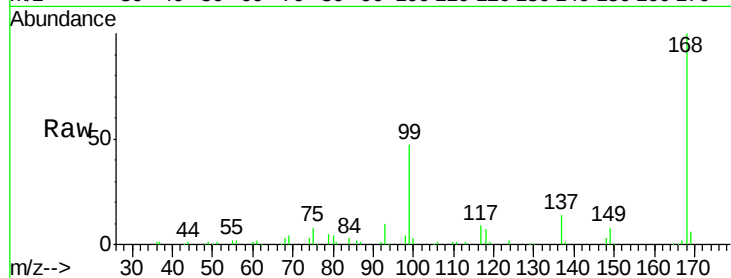
ClientSampleId :

Tot Ion:168 Resp: 595118

Ion Ratio Lower Upper

168 100

99 47.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

250000

200000

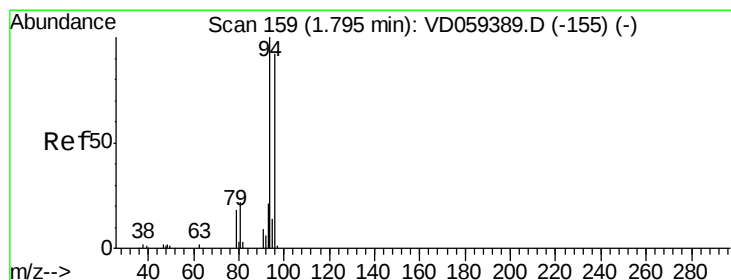
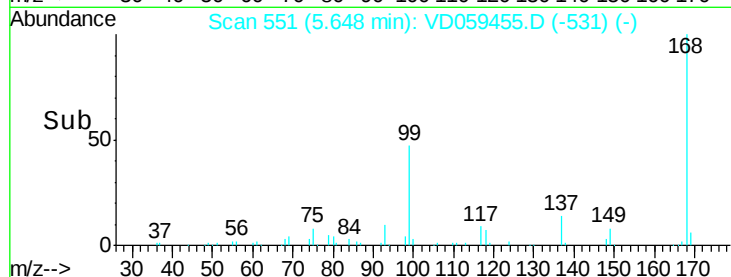
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.82 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD059455.D

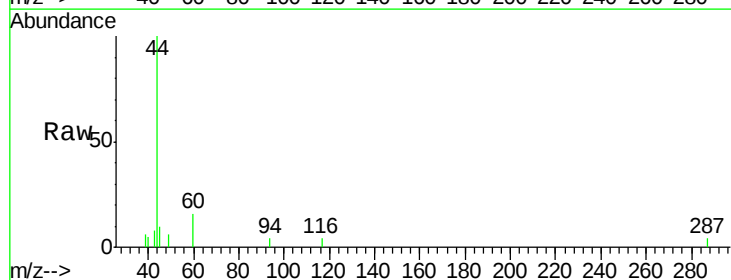
Acq: 27 Jun 2018 20:13

Tgt Ion: 94 Resp: 189

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

1.82

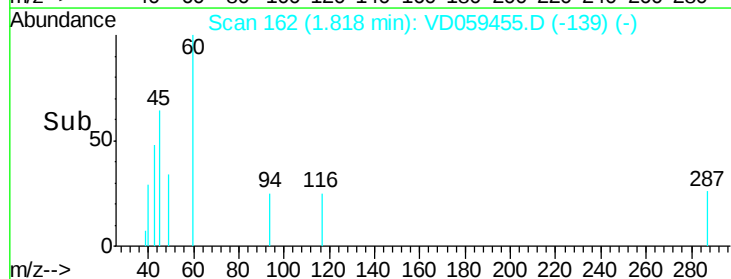
300

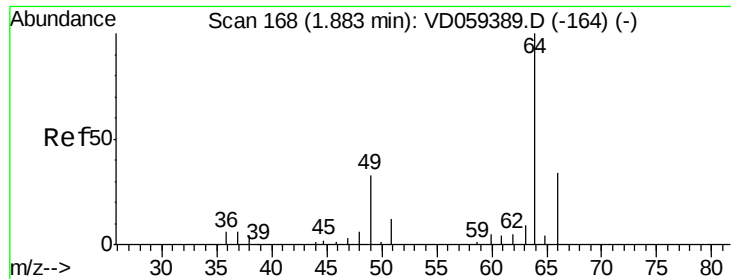
200

100

0

Time-->





#6

Chloroethane

Concen: 2.068 ug/l

RT: 1.95 min Scan# 175

Delta R.T. 0.06 min

Lab File: VD059455.D

Acq: 27 Jun 2018 20:13

Instrument :

MSVOA_D

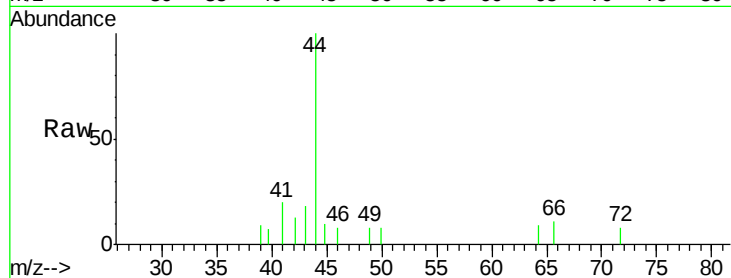
ClientSampleId :

Tot Ion: 64 Resp: 228

Ion Ratio Lower Upper

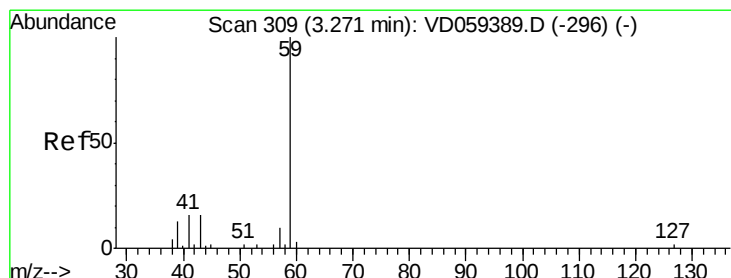
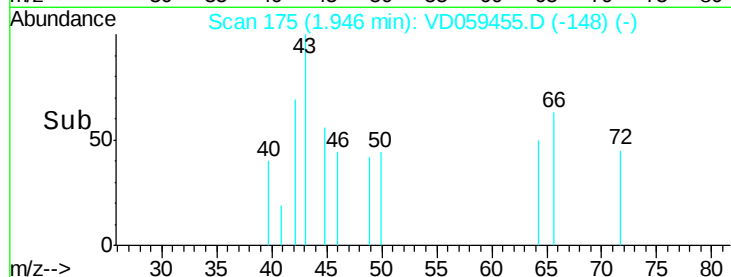
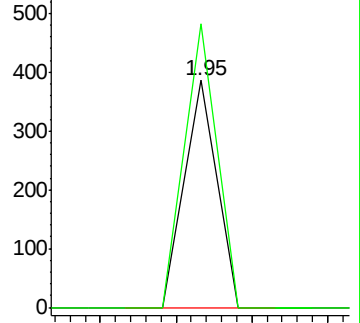
64 100

66 124.9 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: 1.957 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.02 min

Lab File: VD059455.D

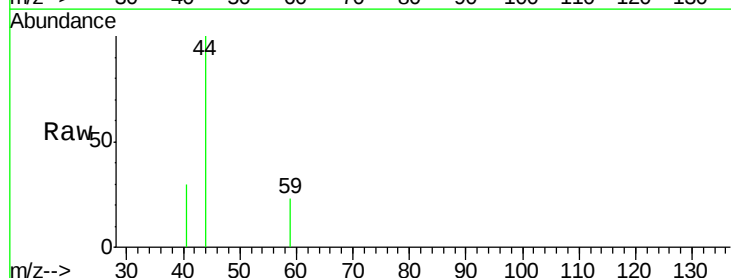
Acq: 27 Jun 2018 20:13

Tgt Ion: 59 Resp: 412

Ion Ratio Lower Upper

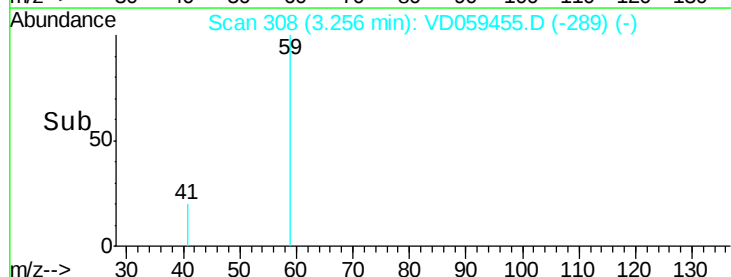
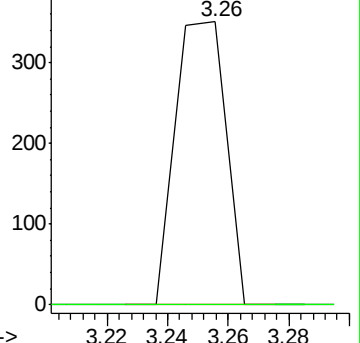
59 100

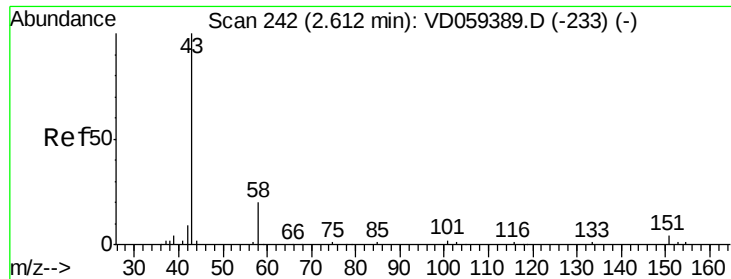
57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 2.696 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059455.D

Acq: 27 Jun 2018 20:13

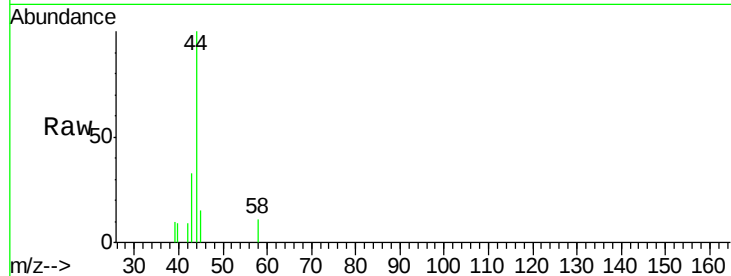
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2071

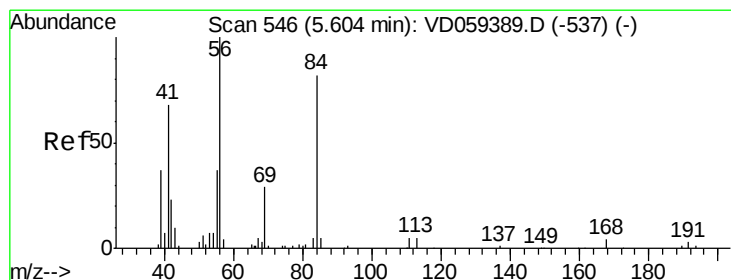
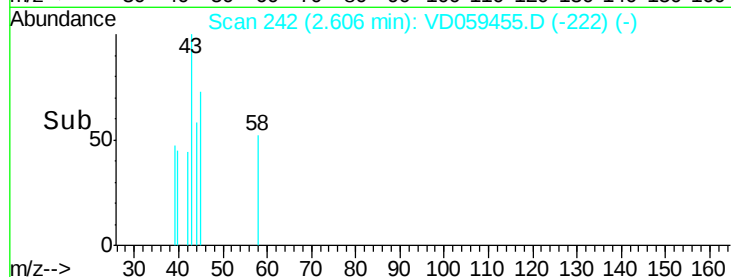
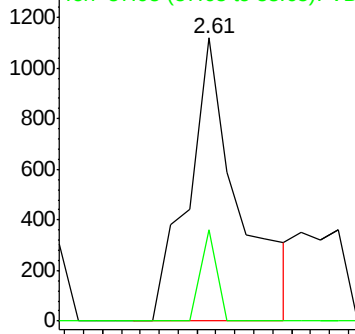
Ion Ratio Lower Upper

43 100

58 32.4 16.8 25.2#



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: 5.64 min Scan# 550

Delta R.T. 0.03 min

Lab File: VD059455.D

Acq: 27 Jun 2018 20:13

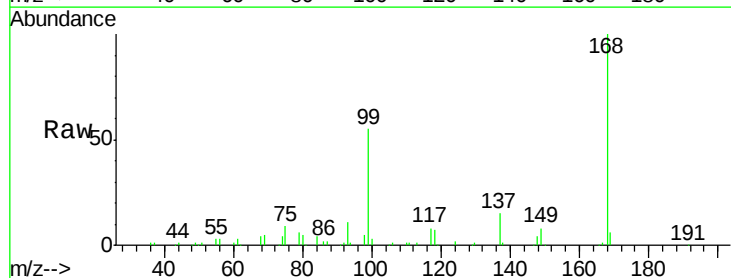
Tgt Ion: 56 Resp: 14601

Ion Ratio Lower Upper

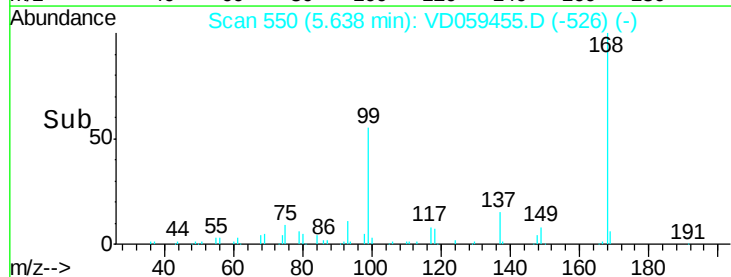
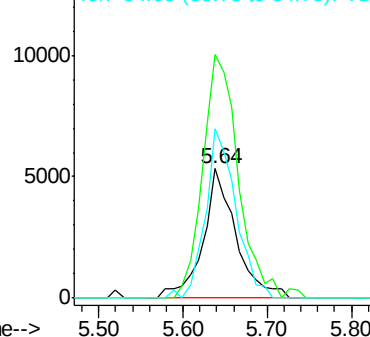
56 100

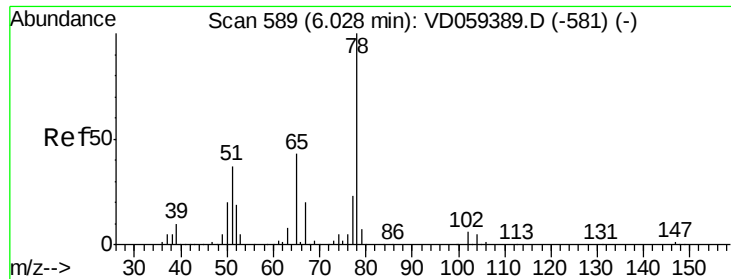
69 188.0 22.9 34.3#

84 130.3 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

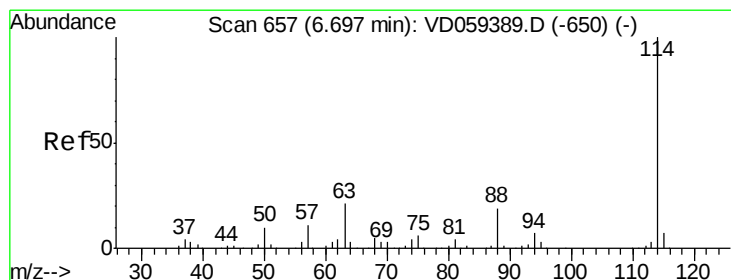
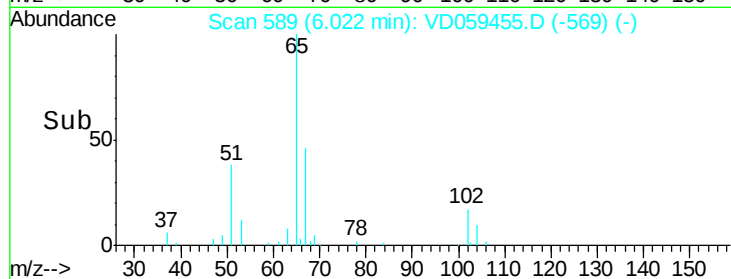
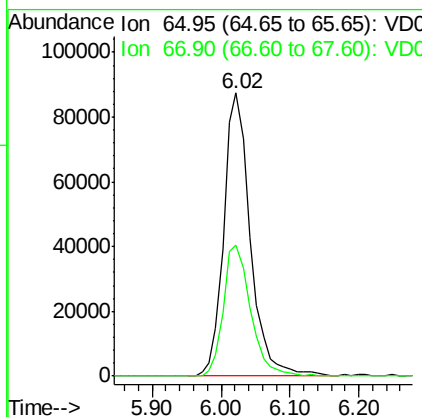
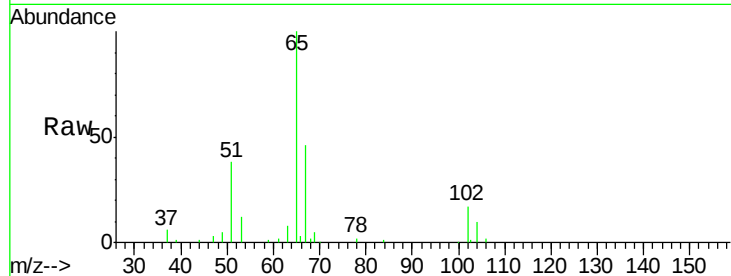




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059455.D
 Acq: 27 Jun 2018 20:13

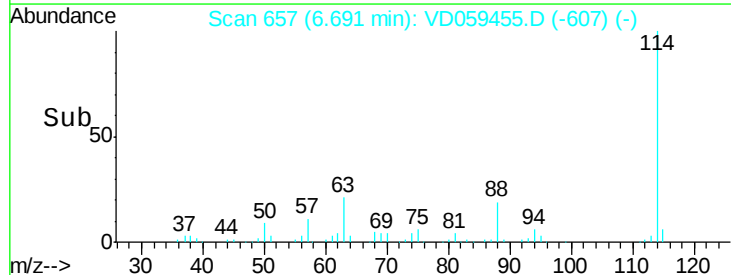
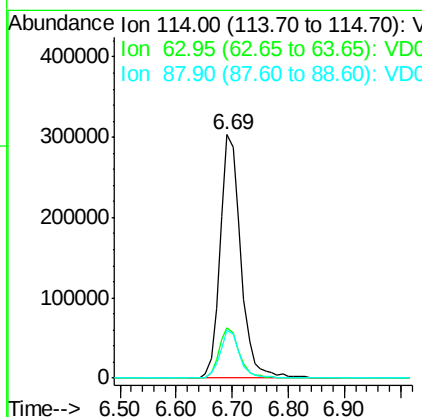
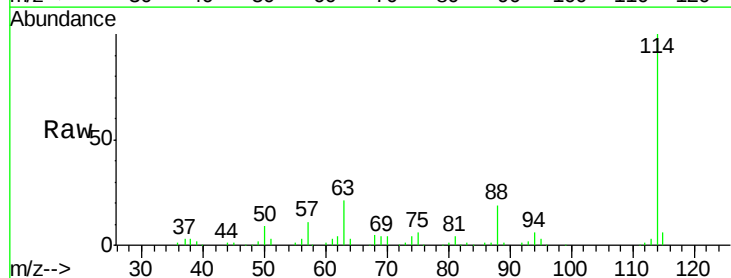
Instrument :
 MSVOA_D
 ClientSampleId :

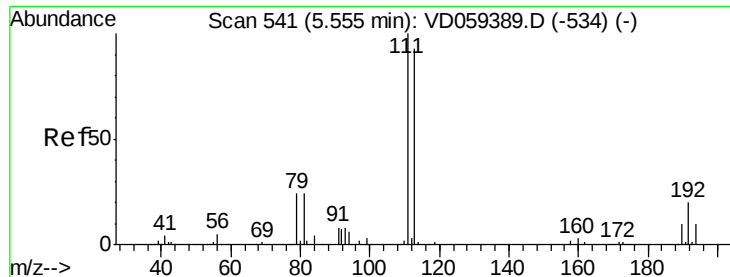
Tot Ion: 65 Resp: 233225
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059455.D
 Acq: 27 Jun 2018 20:13

Tgt Ion: 114 Resp: 777138
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 19.4 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059455.D

Acq: 27 Jun 2018 20:13

Instrument :
MSVOA_D
ClientSampled :

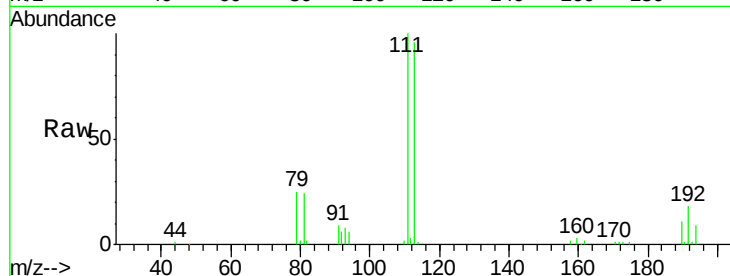
Tot Ion:113 Resp: 238091

Ion Ratio Lower Upper

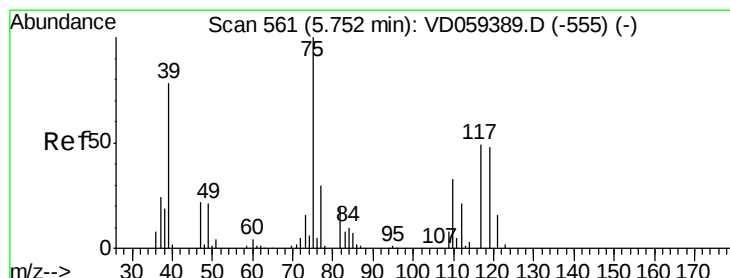
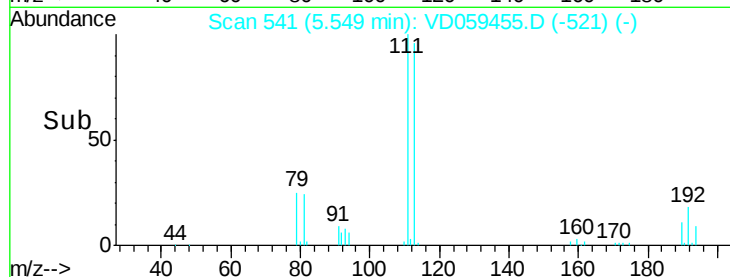
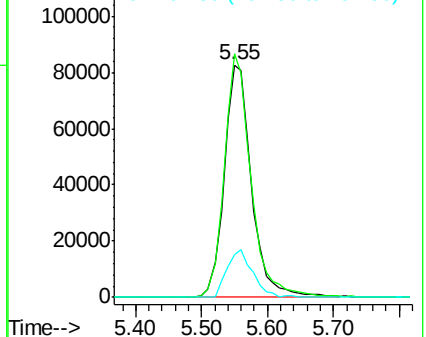
113 100

111 104.7 85.7 128.5

192 18.3 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: 7.005 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD059455.D

Acq: 27 Jun 2018 20:13

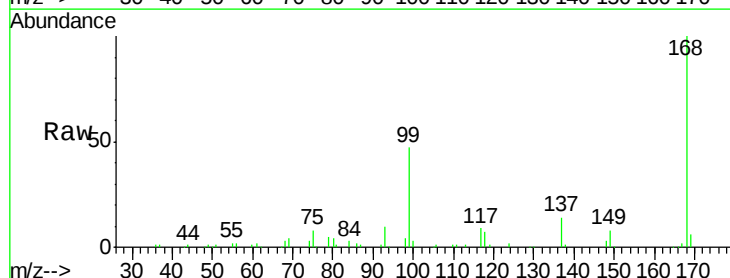
Tgt Ion: 75 Resp: 49386

Ion Ratio Lower Upper

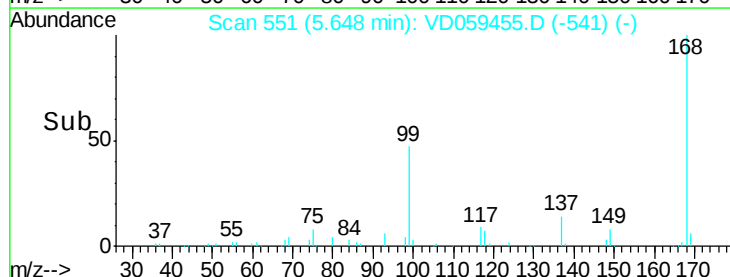
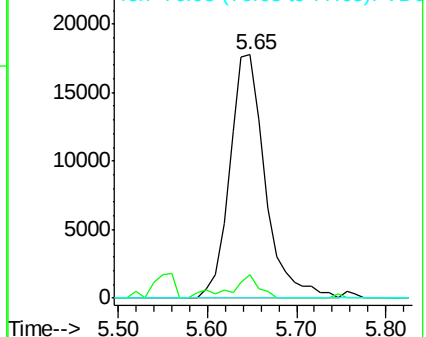
75 100

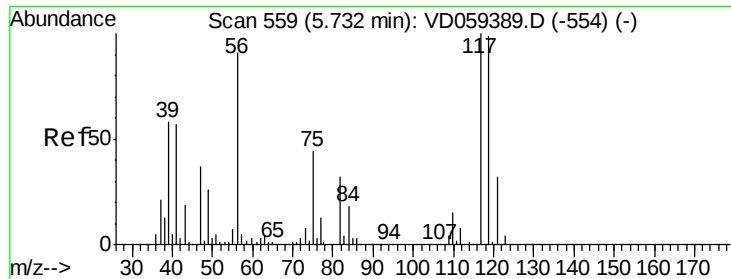
110 9.9 16.1 48.2#

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

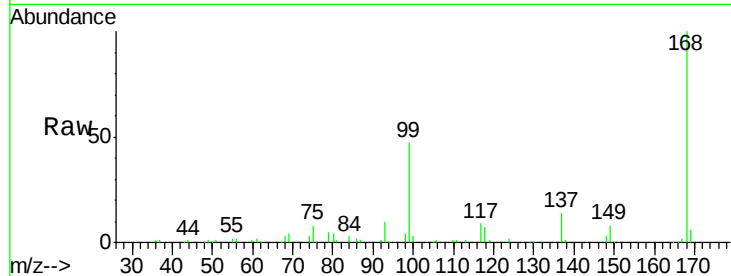




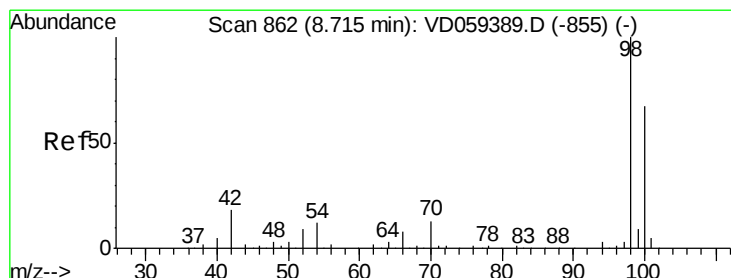
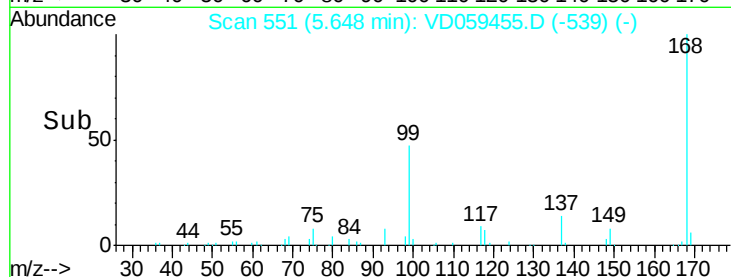
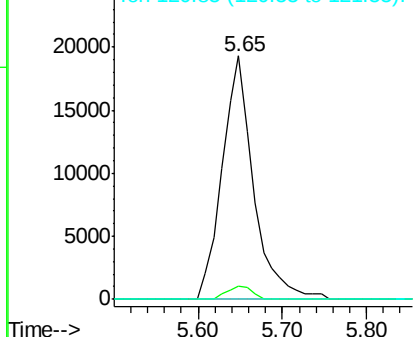
#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.08 min
Lab File: VD059455.D
Acq: 27 Jun 2018 20:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 49982
Ion Ratio Lower Upper
117 100
119 5.6 76.6 115.0#
121 0.0 25.0 37.4#

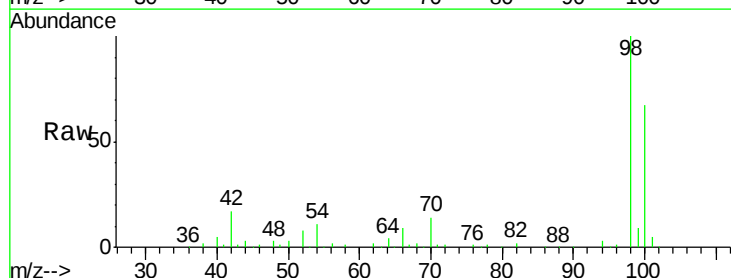


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

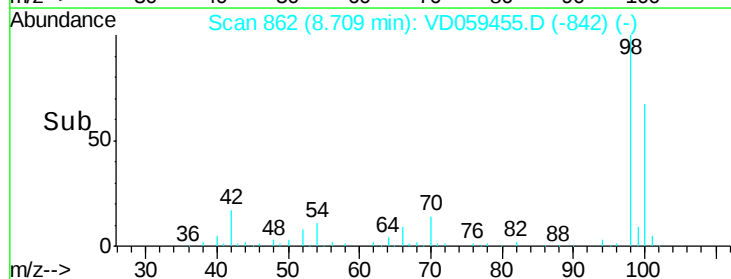
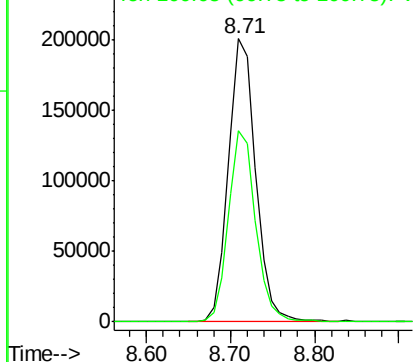


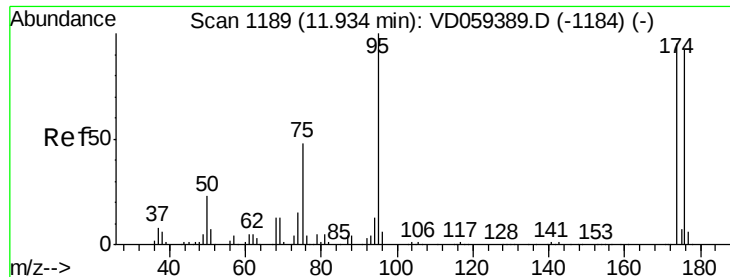
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059455.D
Acq: 27 Jun 2018 20:13

Tgt Ion: 98 Resp: 455651
Ion Ratio Lower Upper
98 100
100 67.5 54.4 81.6



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

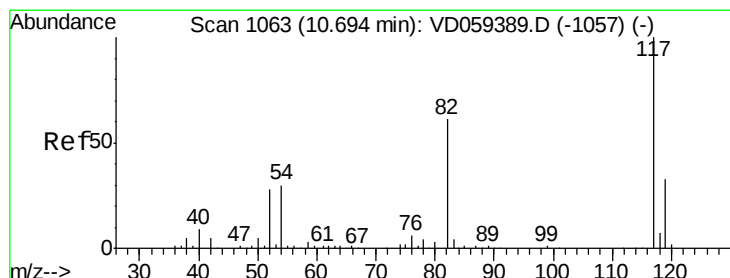
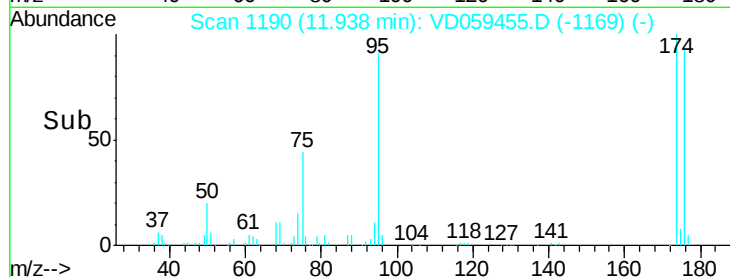
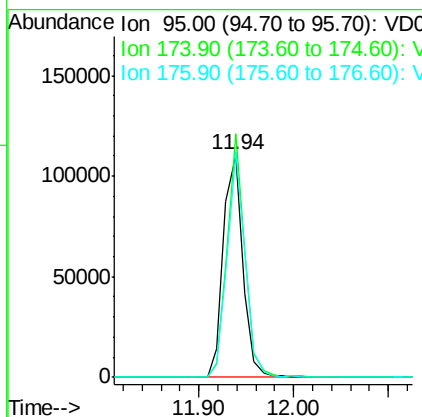
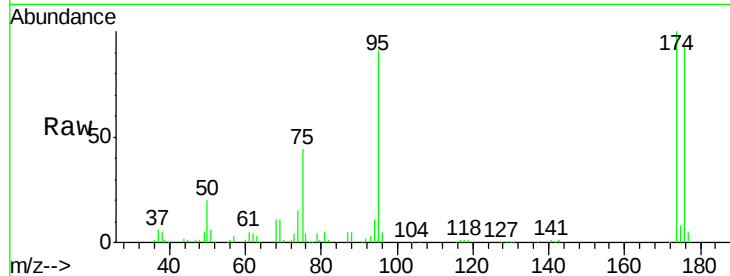




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VD059455.D
Acq: 27 Jun 2018 20:13

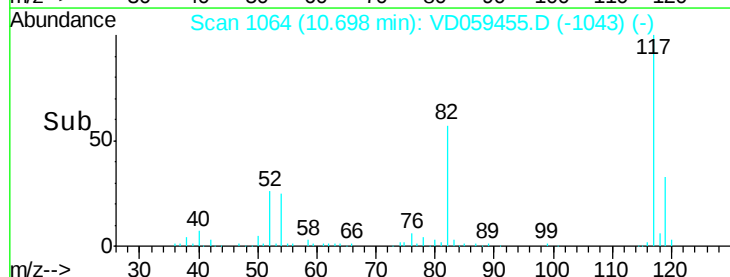
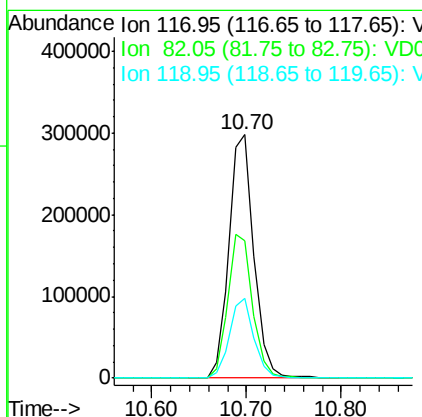
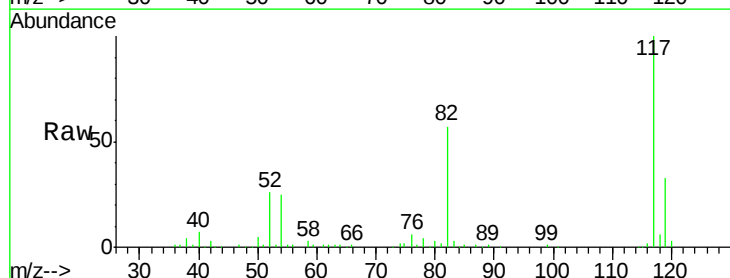
Instrument :
MSVOA_D
ClientSampleId :

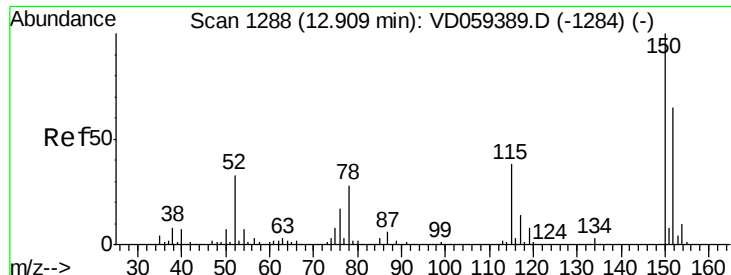
Tot Ion: 95 Resp: 157384
Ion Ratio Lower Upper
95 100
174 109.7 0.0 190.4
176 101.5 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059455.D
Acq: 27 Jun 2018 20:13

Tgt Ion: 117 Resp: 543193
Ion Ratio Lower Upper
117 100
82 56.5 49.0 73.6
119 32.5 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059455.D

Acq: 27 Jun 2018 20:13

Instrument :

MSVOA_D

ClientSampleId :

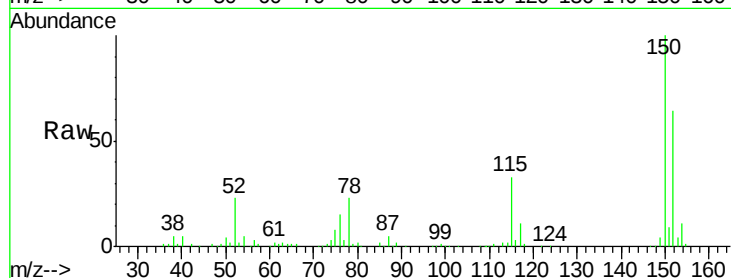
Tot Ion:152 Resp: 178828

Ion Ratio Lower Upper

152 100

115 51.4 29.4 88.3

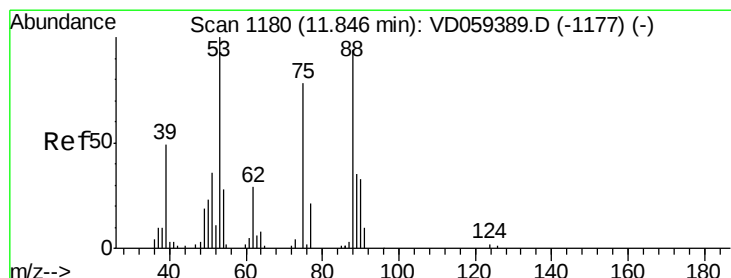
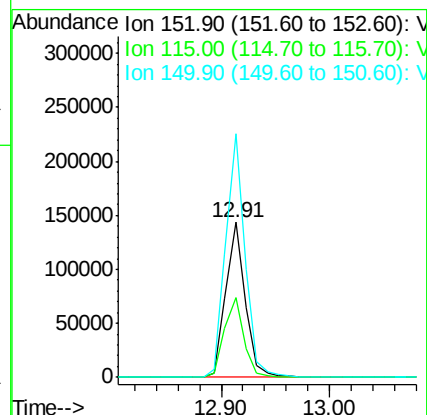
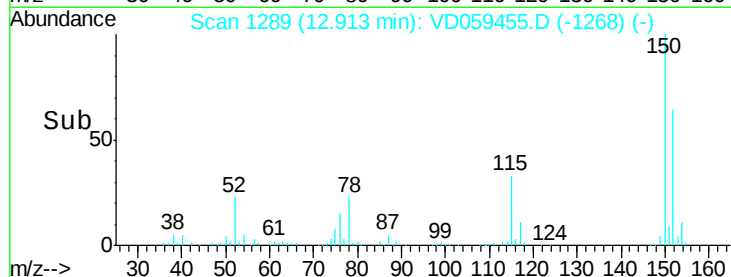
150 157.3 0.0 308.2



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: 138.691 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.09 min

Lab File: VD059455.D

Acq: 27 Jun 2018 20:13

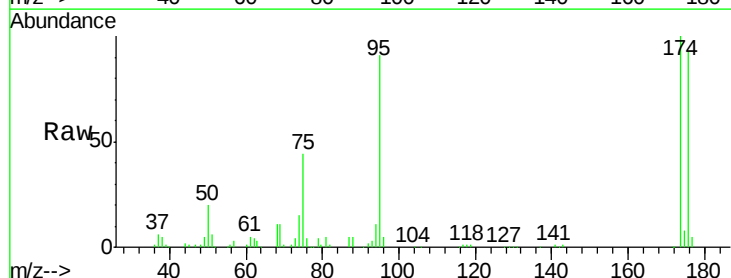
Tgt Ion: 75 Resp: 77757

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

