

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058045.D
 Acq On : 9 Jun 2018 5:55
 Operator : VA/AP
 Sample : J3350-02RE
 Misc : 11.30g/5ml/MSVOA D/SOIL
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 06:33:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	653488	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	890427	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	687675	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	337142	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	385113	58.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	117.90%	
35) Dibromofluoromethane	5.55	113	392523	56.98	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.96%	
50) Toluene-d8	8.70	98	866400	52.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	11.93	95	362263	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	

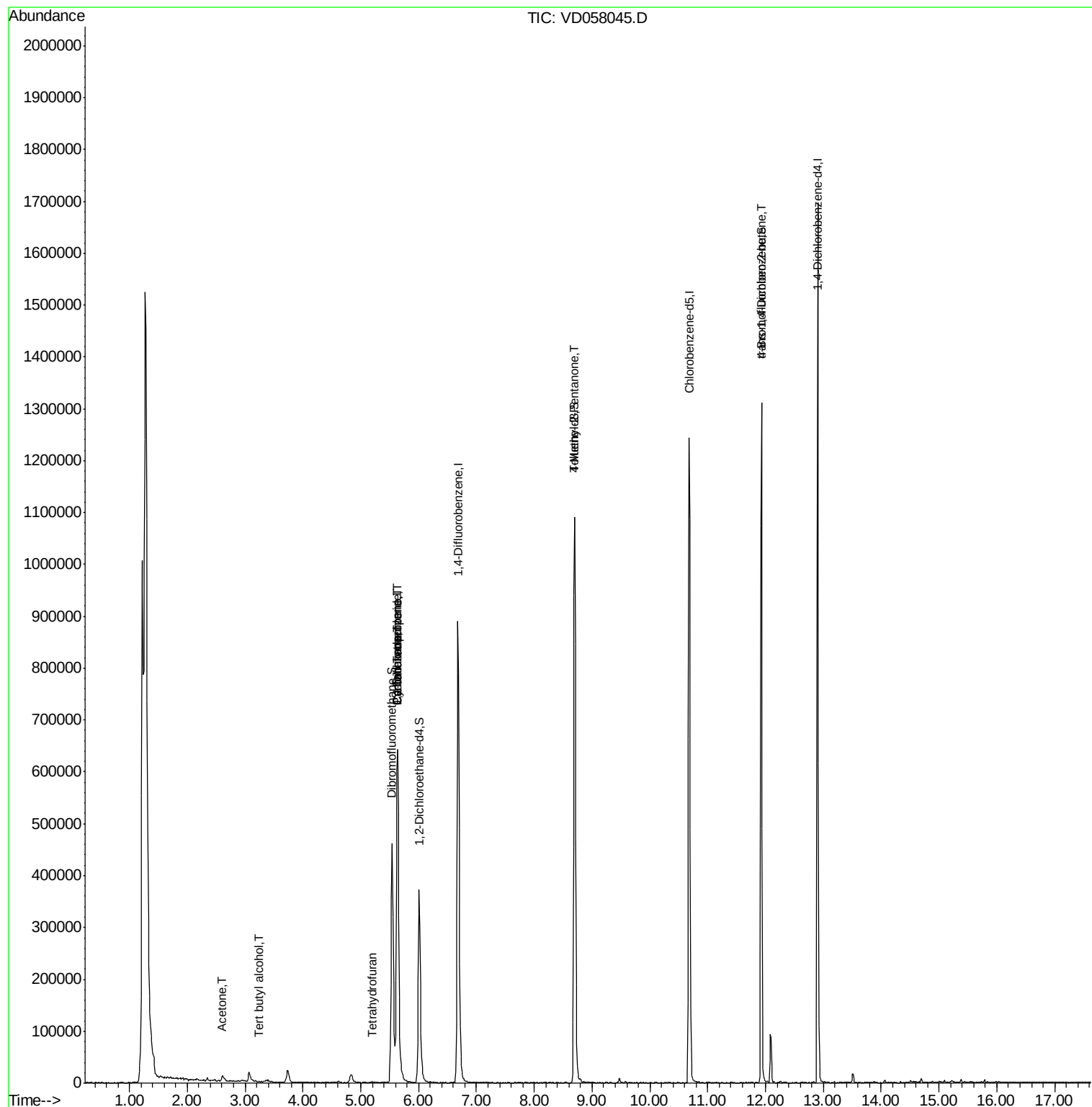
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.25	59	194	1.108	ug/l #	74
16) Acetone	2.61	43	22138	23.519	ug/l	94
20) Methylene Chloride	3.07	84	7821	Below Cal		92
29) Tetrahydrofuran	5.19	42	2300	2.051	ug/l #	47
31) Cyclohexane	5.63	56	15674	1.380	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	57076	5.818	ug/l #	51
38) Carbon Tetrachloride	5.64	117	56997	5.895	ug/l #	16
51) 4-Methyl-2-Pentanone	8.70	43	5845	1.300	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	173593	138.391	ug/l #	6
82) 4-Chlorotoluene	12.31	91	1233	Below Cal	#	50
89) n-Butylbenzene	13.19	91	389	Below Cal	#	78

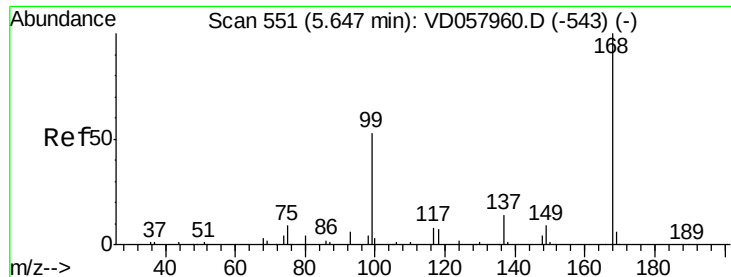
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 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: VD058045.D

Acq: 9 Jun 2018 5:55

Instrument :

MSVOA_D

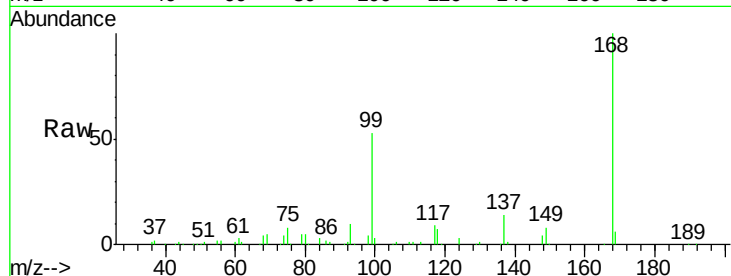
ClientSampleId :

Tot Ion:168 Resp: 653488

Ion Ratio Lower Upper

168 100

99 52.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

150000

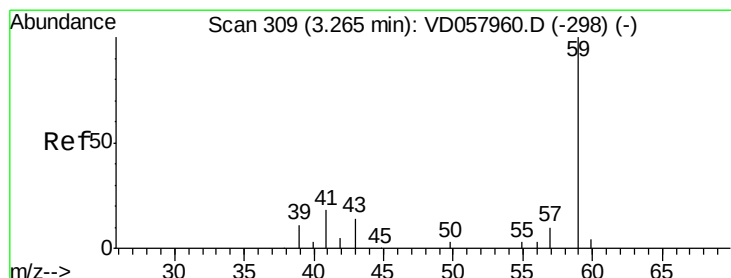
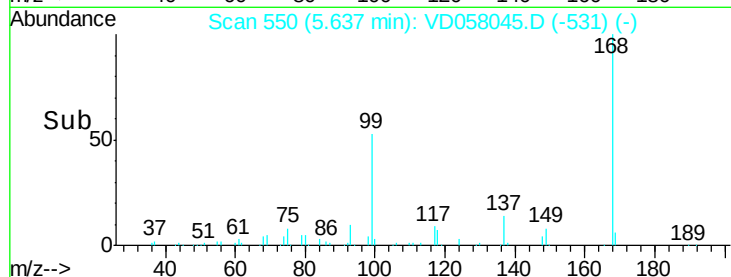
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.108 ug/l

RT: 3.25 min Scan# 307

Delta R.T. -0.02 min

Lab File: VD058045.D

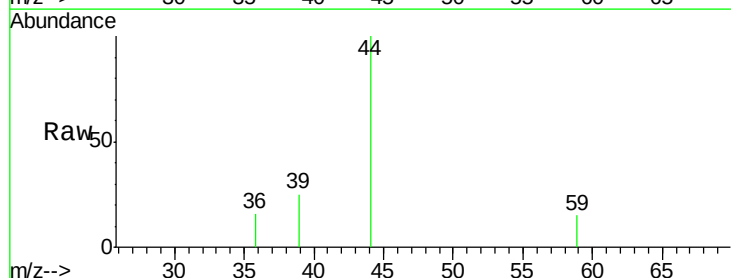
Acq: 9 Jun 2018 5:55

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.25

300

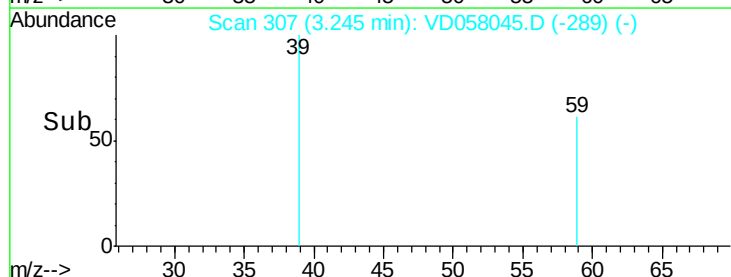
200

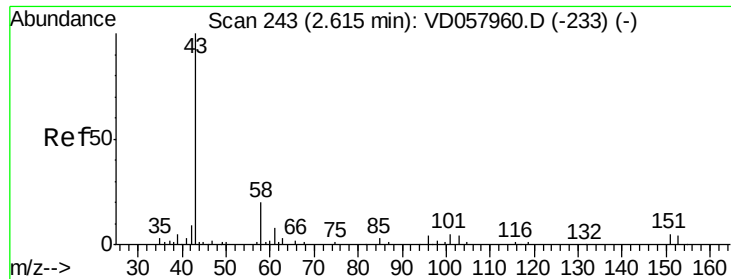
100

0

Time-->

3.22 3.24 3.26





#16

Acetone

Concen: 23.519 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058045.D

Acq: 9 Jun 2018 5:55

Instrument :

MSVOA_D

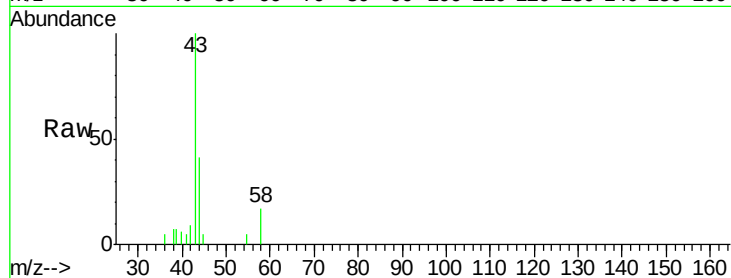
ClientSampled :

Tot Ion: 43 Resp: 22138

Ion Ratio Lower Upper

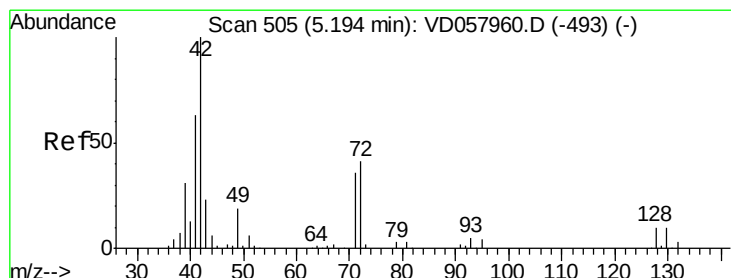
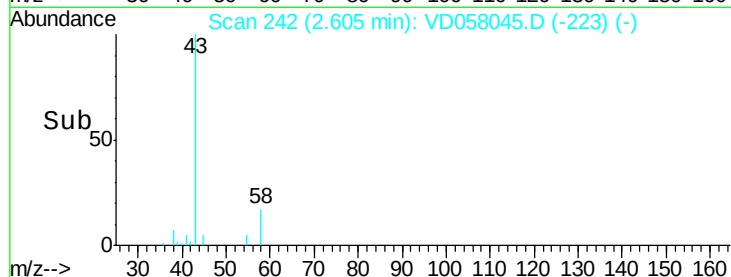
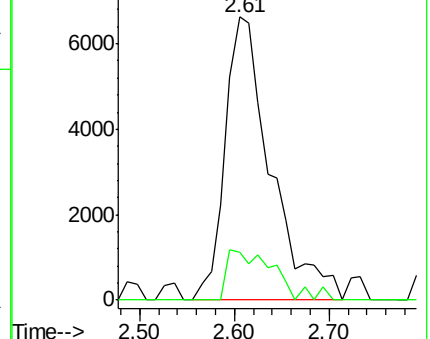
43 100

58 17.1 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#29

Tetrahydrofuran

Concen: 2.051 ug/l

RT: 5.19 min Scan# 505

Delta R.T. -0.00 min

Lab File: VD058045.D

Acq: 9 Jun 2018 5:55

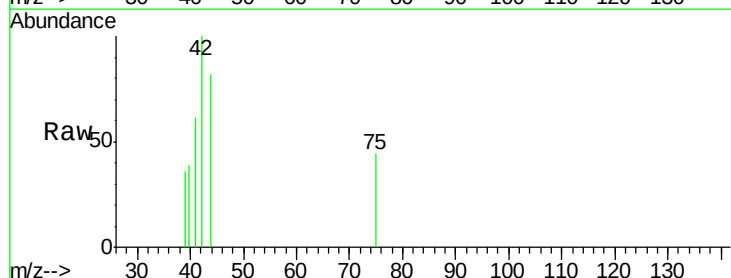
Tgt Ion: 42 Resp: 2300

Ion Ratio Lower Upper

42 100

72 0.0 28.5 42.7#

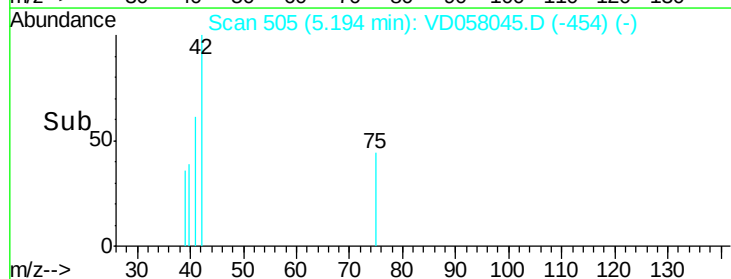
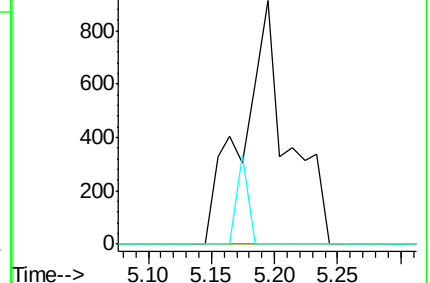
71 8.6 27.9 41.9#

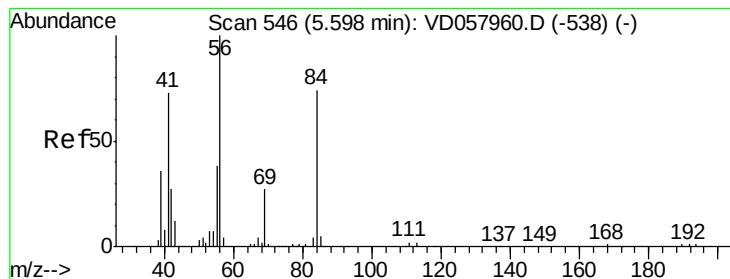


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.380 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD058045.D

Acq: 9 Jun 2018 5:55

Instrument :

MSVOA_D

ClientSampleId :

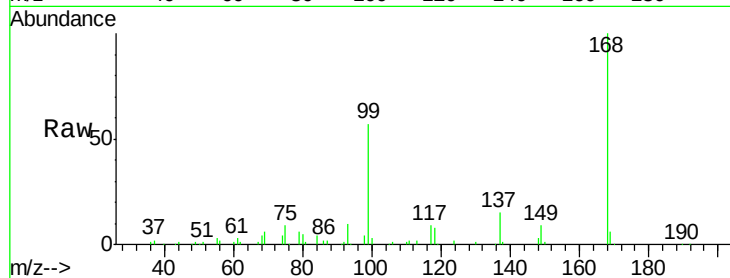
Tot Ion: 56 Resp: 15674

Ion Ratio Lower Upper

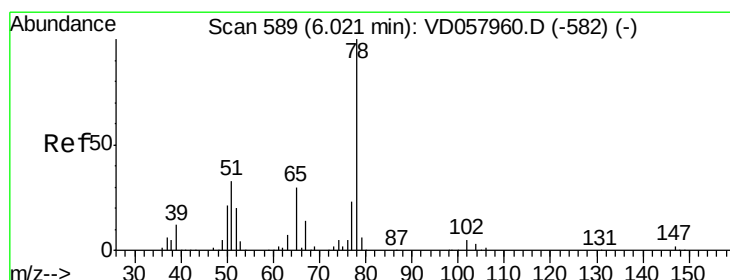
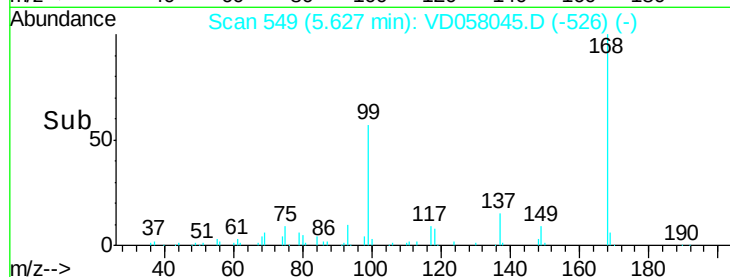
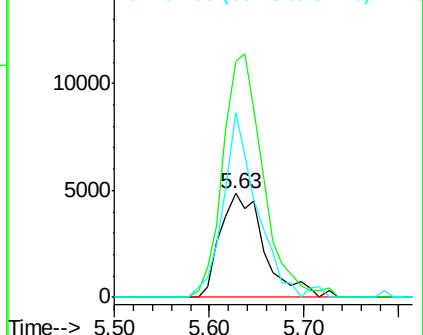
56 100

69 227.1 21.5 32.3#

84 177.9 61.0 91.6#



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# 588

Delta R.T. -0.01 min

Lab File: VD058045.D

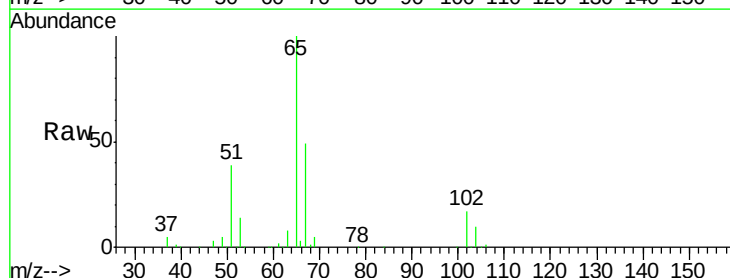
Acq: 9 Jun 2018 5:55

Tgt Ion: 65 Resp: 385113

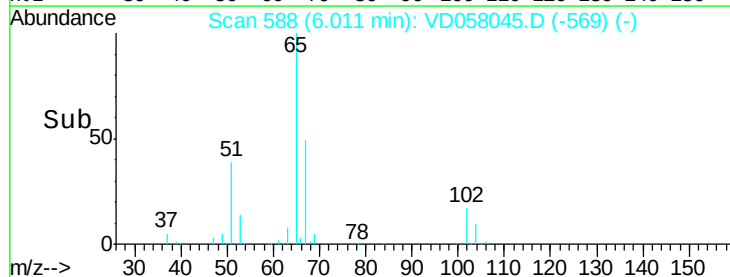
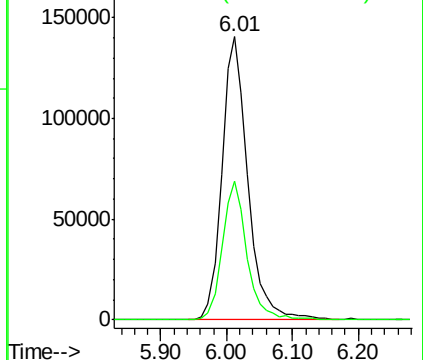
Ion Ratio Lower Upper

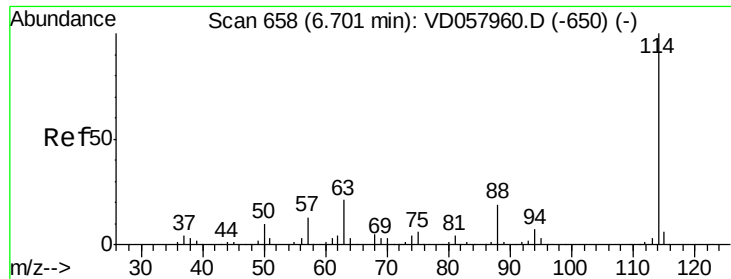
65 100

67 48.8 0.0 94.0



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

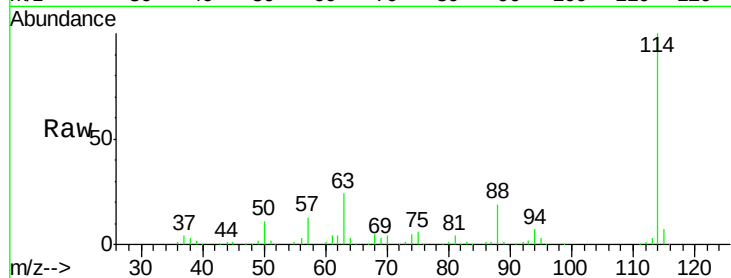




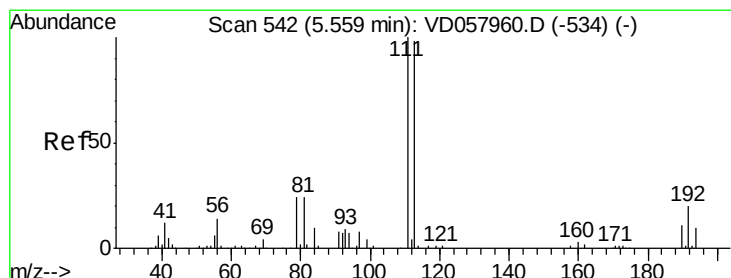
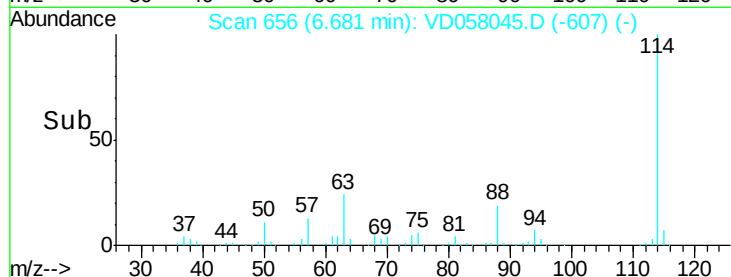
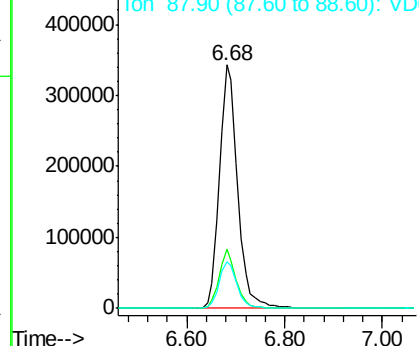
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058045.D
 Acq: 9 Jun 2018 5:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 890427
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 42.8
 88 19.2 0.0 37.8

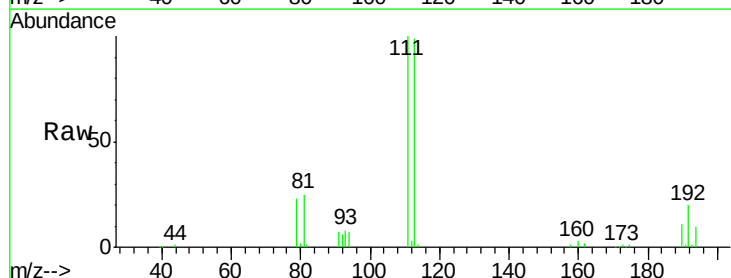


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

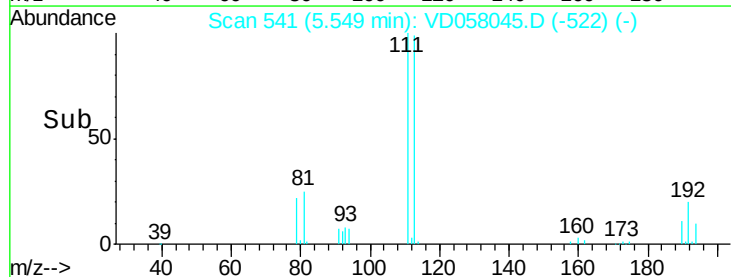
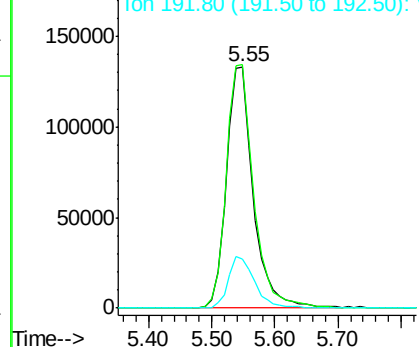


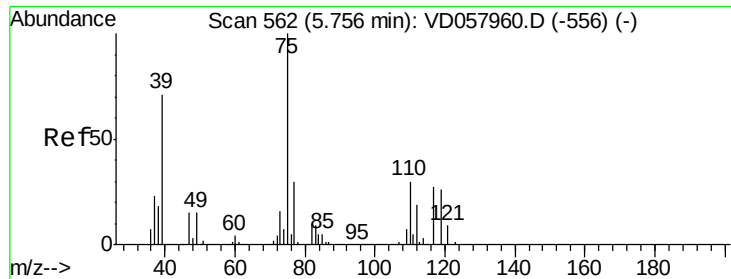
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD058045.D
 Acq: 9 Jun 2018 5:55

Tgt Ion:113 Resp: 392523
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.5 122.3
 192 20.1 16.4 24.6



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

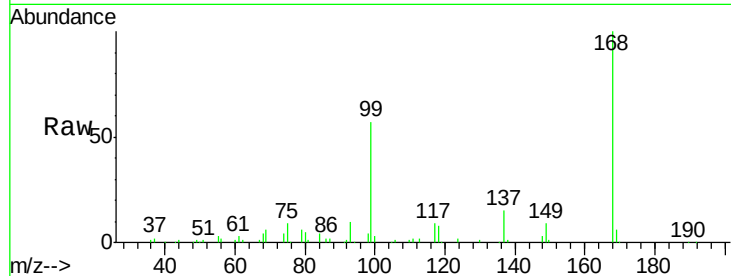




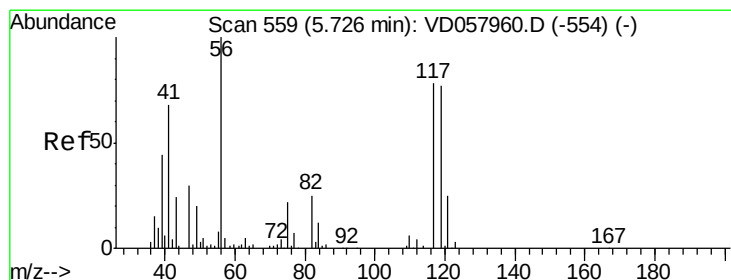
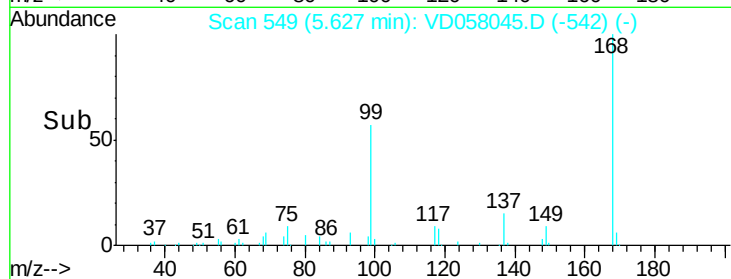
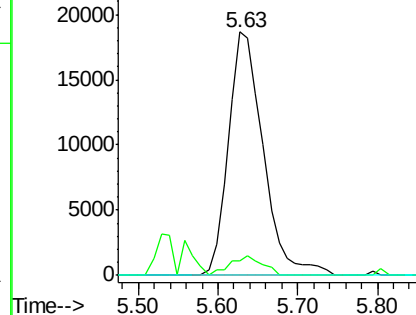
#36
 1,1-Dichloropropene
 Concen: 5.818 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.13 min
 Lab File: VD058045.D
 Acq: 9 Jun 2018 5:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.1	14.8	44.3#
77	0.0	23.9	35.9#

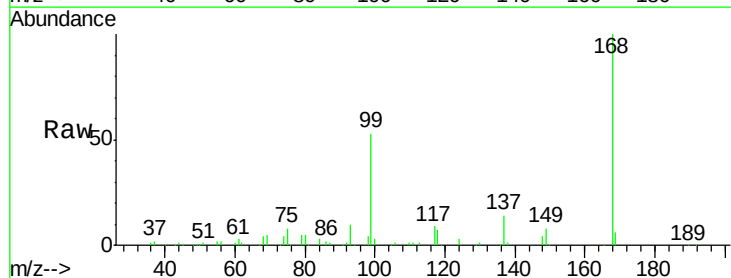


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

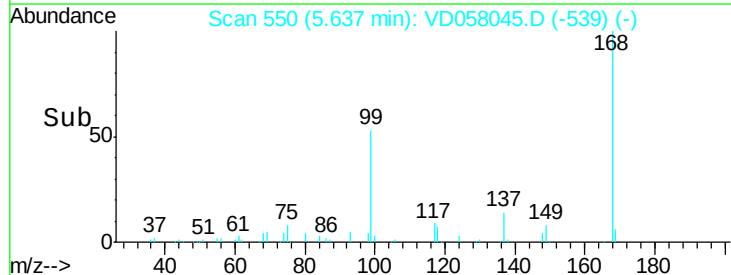
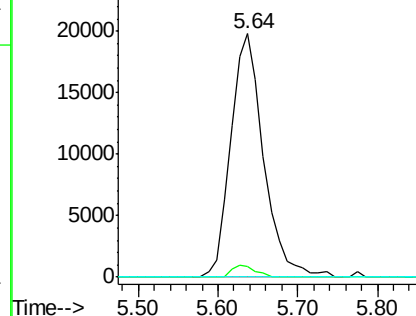


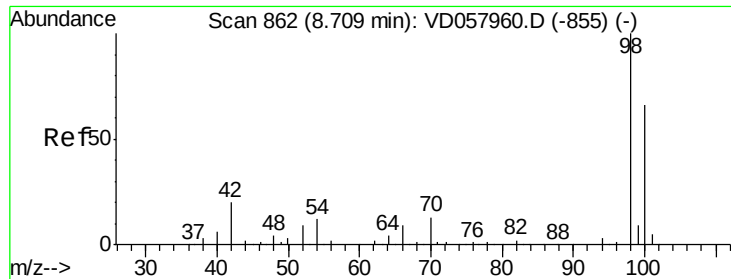
#38
 Carbon Tetrachloride
 Concen: 5.895 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.09 min
 Lab File: VD058045.D
 Acq: 9 Jun 2018 5:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.1	114.1#
121	0.0	24.9	37.3#



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

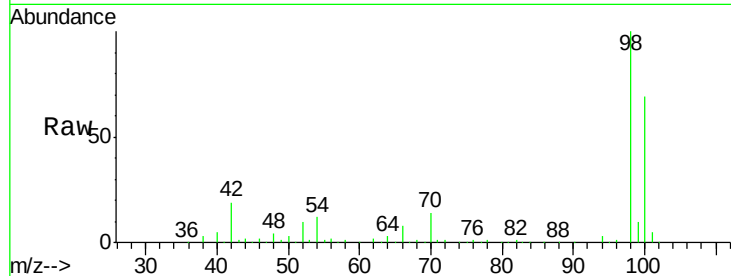




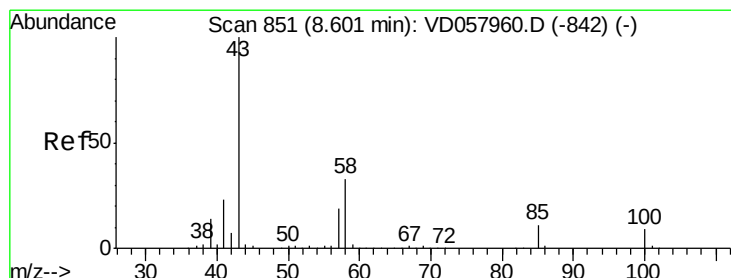
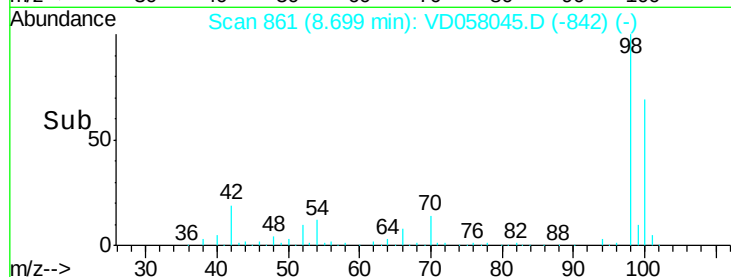
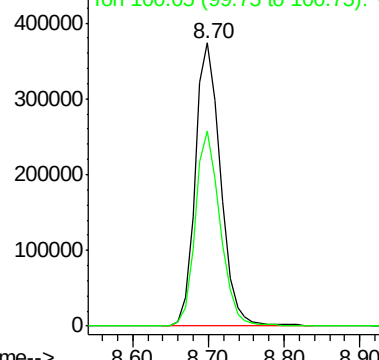
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058045.D
Acq: 9 Jun 2018 5:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 866400
Ion Ratio Lower Upper
98 100
100 68.8 53.4 80.0

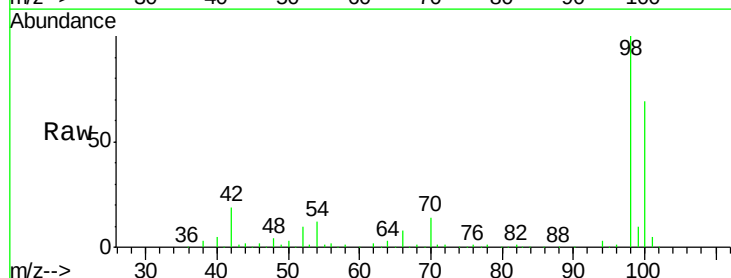


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

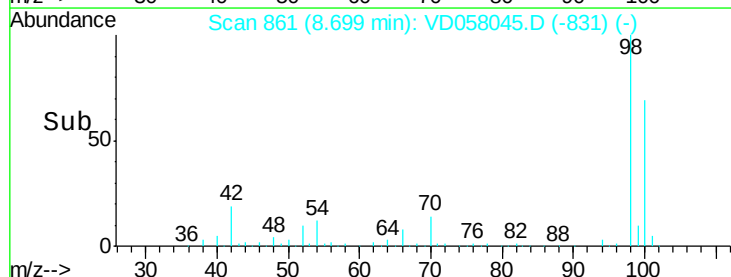
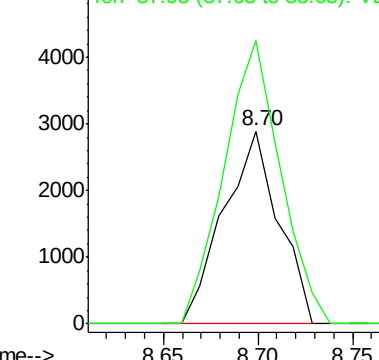


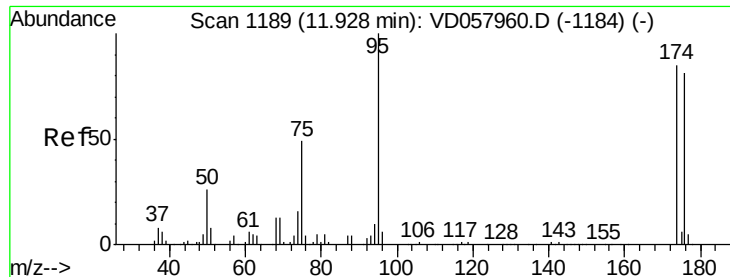
#51
4-Methyl-2-Pentanone
Concen: 1.300 ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.10 min
Lab File: VD058045.D
Acq: 9 Jun 2018 5:55

Tgt Ion: 43 Resp: 5845
Ion Ratio Lower Upper
43 100
58 146.8 26.2 39.4#



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: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058045.D

Acq: 9 Jun 2018 5:55

Instrument :

MSVOA_D

ClientSampleId :

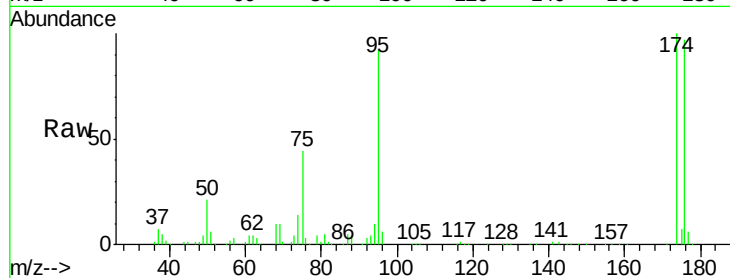
Tot Ion: 95 Resp: 362263

Ion Ratio Lower Upper

95 100

174 108.7 0.0 169.4

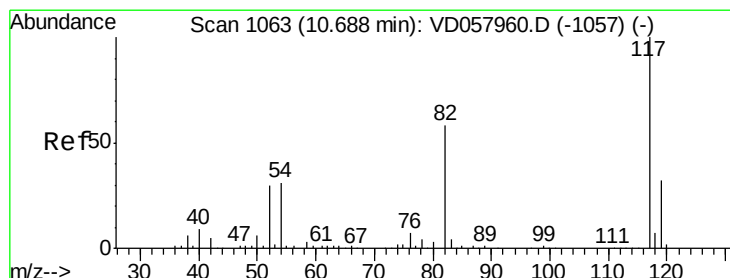
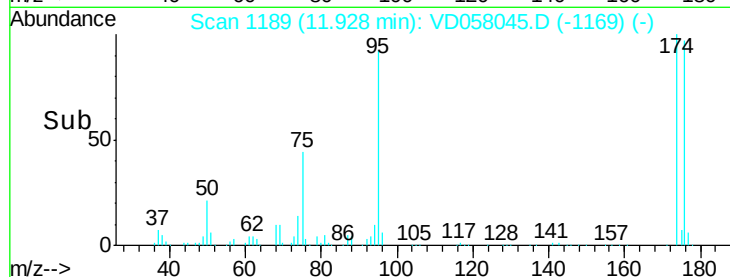
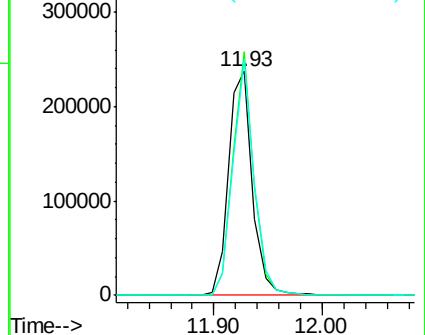
176 105.3 0.0 162.6



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: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058045.D

Acq: 9 Jun 2018 5:55

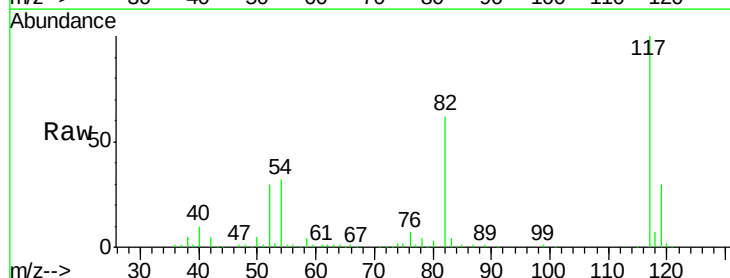
Tgt Ion: 117 Resp: 687675

Ion Ratio Lower Upper

117 100

82 62.4 46.8 70.2

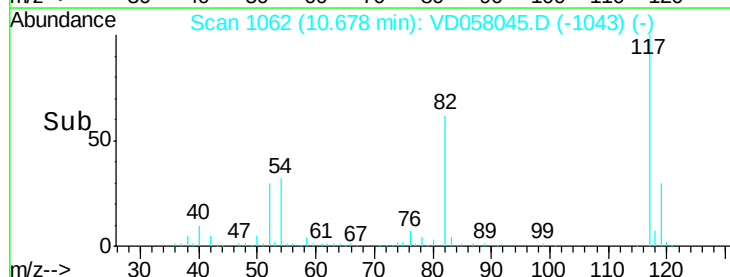
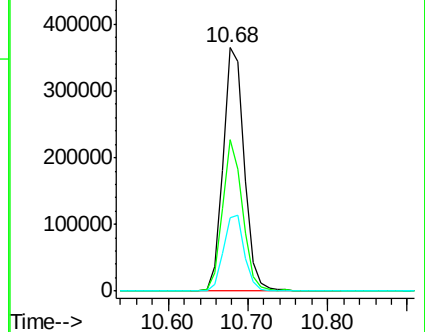
119 30.4 25.8 38.6

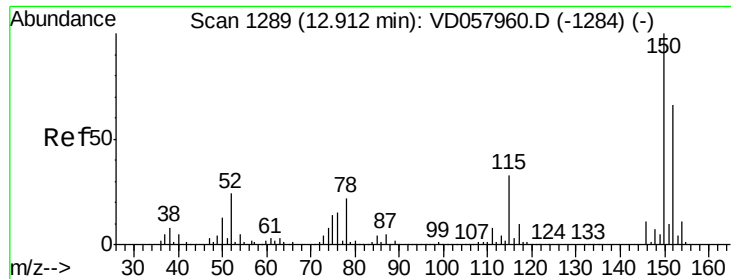


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1288

Delta R.T. -0.01 min

Lab File: VD058045.D

Acq: 9 Jun 2018 5:55

Instrument :

MSVOA_D

ClientSampled :

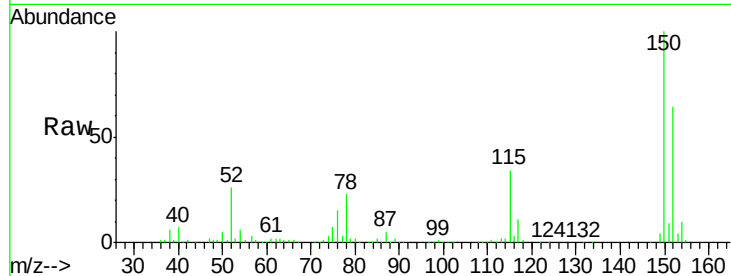
Tot Ion:152 Resp: 337142

Ion Ratio Lower Upper

152 100

115 53.9 25.6 76.6

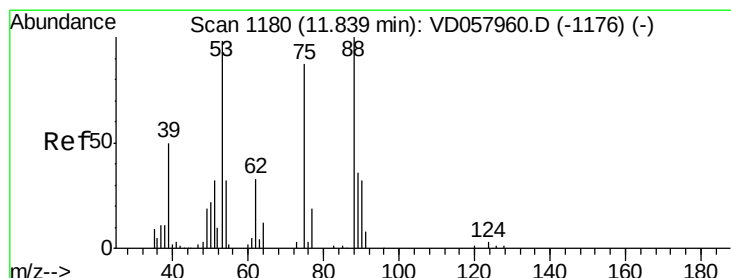
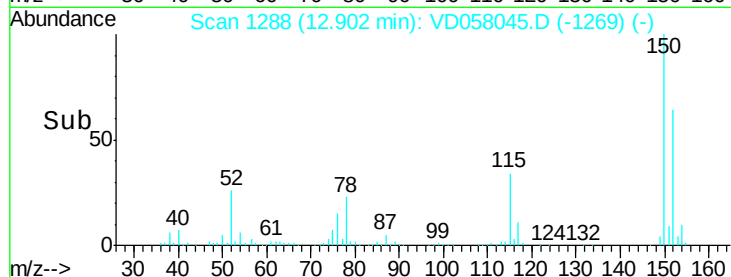
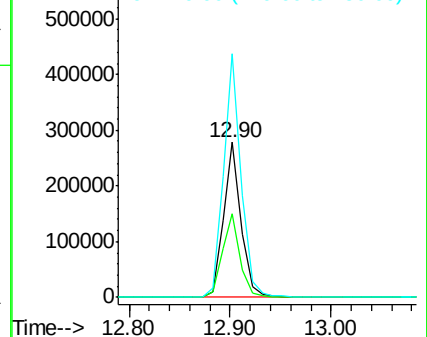
150 157.2 0.0 306.8



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: 138.391 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058045.D

Acq: 9 Jun 2018 5:55

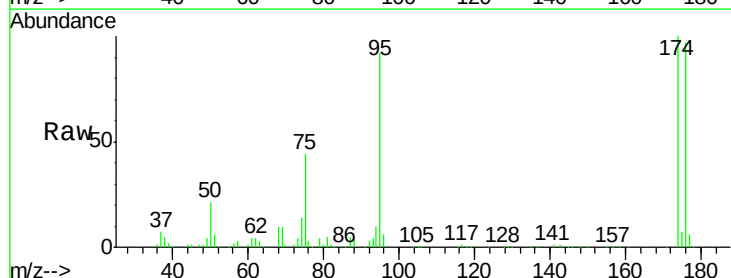
Tgt Ion: 75 Resp: 173593

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

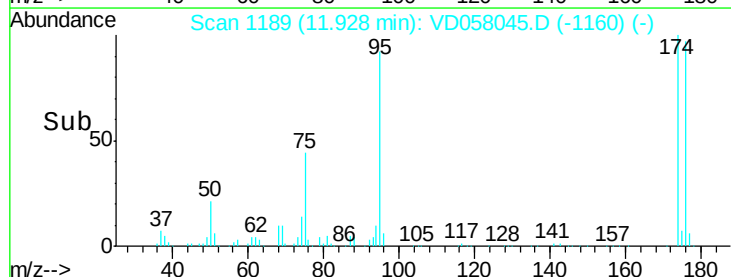
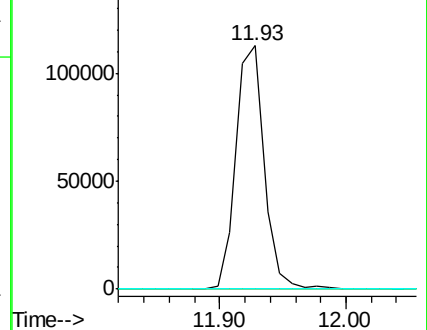
89 0.0 33.3 49.9#

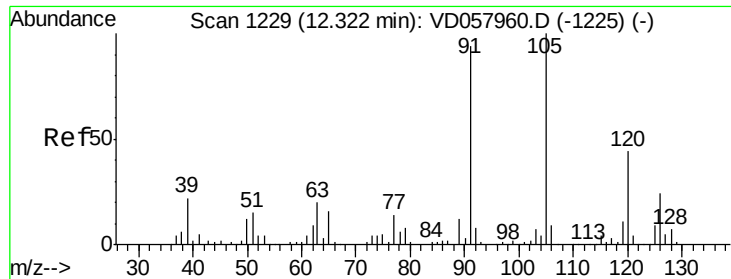


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

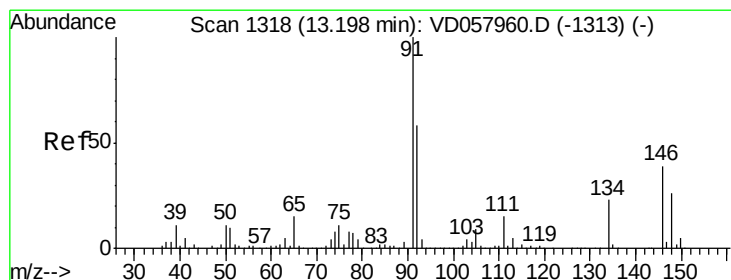
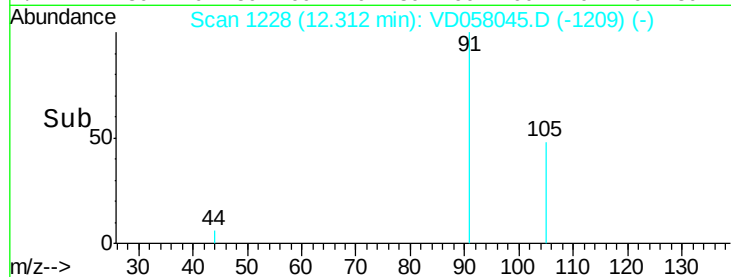
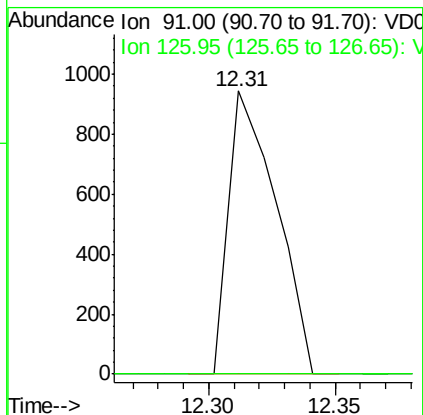
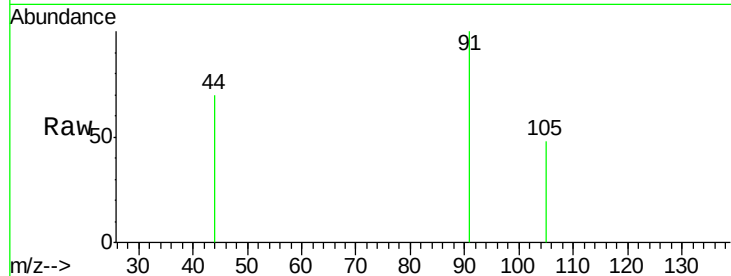




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058045.D
Acq: 9 Jun 2018 5:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1233
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058045.D
Acq: 9 Jun 2018 5:55

Tgt Ion: 91 Resp: 389
Ion Ratio Lower Upper
91 100
92 49.4 29.2 87.6
134 0.0 11.3 33.9#

