

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058137.D
 Acq On : 14 Jun 2018 15:55
 Operator : VA/AP
 Sample : J3420-06RE
 Misc : 5.50g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:04:29 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	5.65	168	1271246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1659438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1254645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	606908	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	420256	33.07	ug/l	0.00
Spiked Amount			Recovery	=	66.14%	
35) Dibromofluoromethane	5.55	113	525031	40.89	ug/l	0.00
Spiked Amount			Recovery	=	81.78%	
50) Toluene-d8	8.71	98	1173172	38.43	ug/l	0.00
Spiked Amount			Recovery	=	76.86%	
62) 4-Bromofluorobenzene	11.93	95	485823	36.48	ug/l	0.00
Spiked Amount			Recovery	=	72.96%	

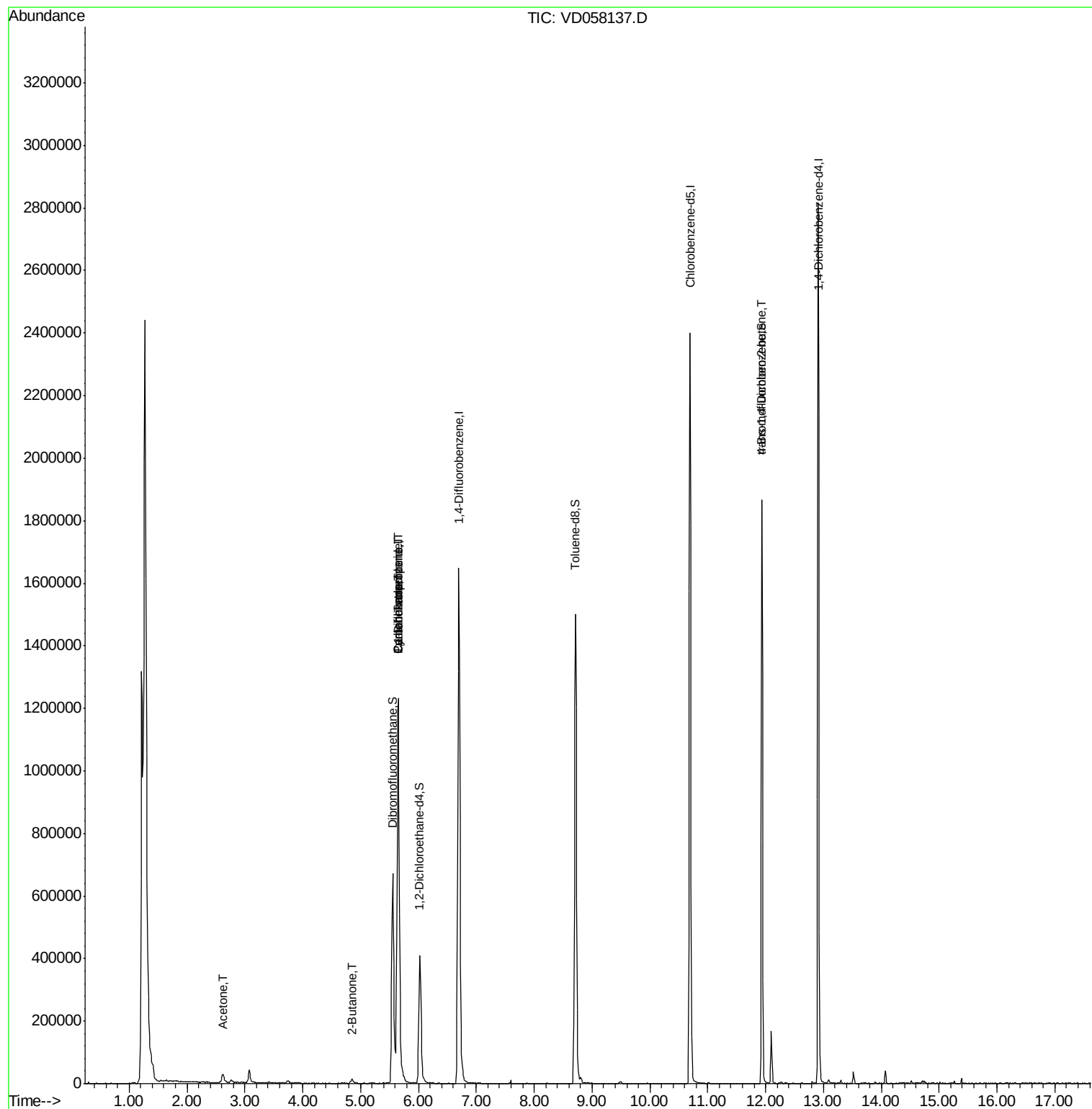
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.62	43	61825	33.764	ug/l	95
20) Methylene Chloride	3.07	84	15154	Below Cal	#	86
25) 2-Butanone	4.86	43	16822	4.042	ug/l	98
31) Cyclohexane	5.64	56	30573	1.383	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	103947	5.686	ug/l #	51
38) Carbon Tetrachloride	5.64	117	106596	5.916	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	240897	106.684	ug/l #	6
82) 4-Chlorotoluene	12.33	91	520	Below Cal	#	50
89) n-Butylbenzene	13.20	91	419	Below Cal	#	45

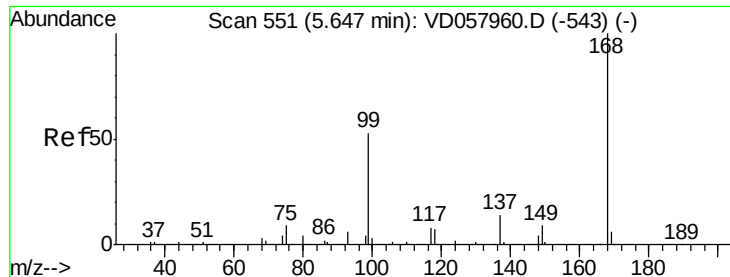
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

Quant Time: Jun 15 06:04:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
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: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

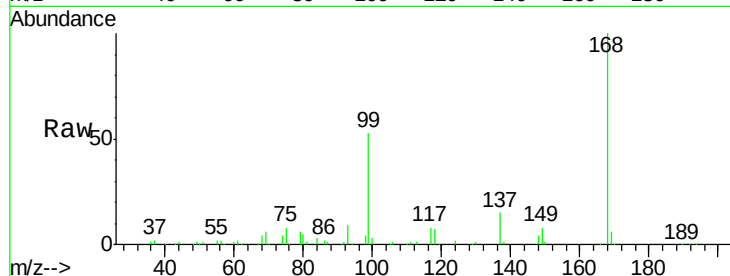
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1271246

Ion Ratio Lower Upper

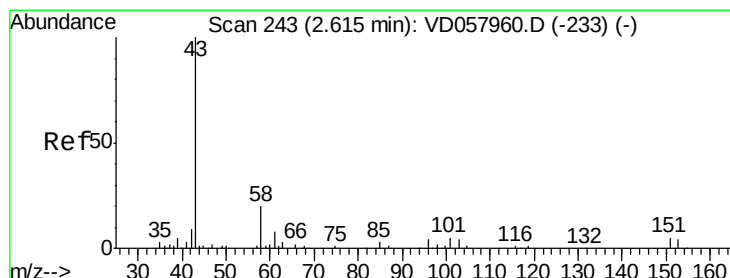
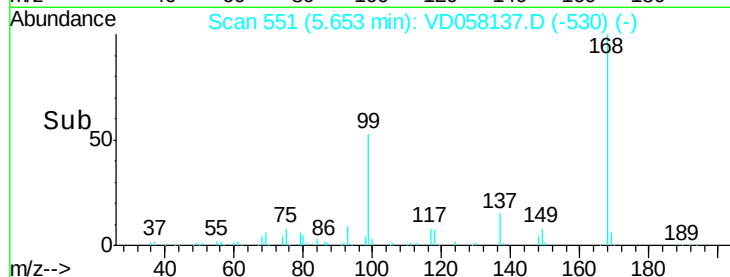
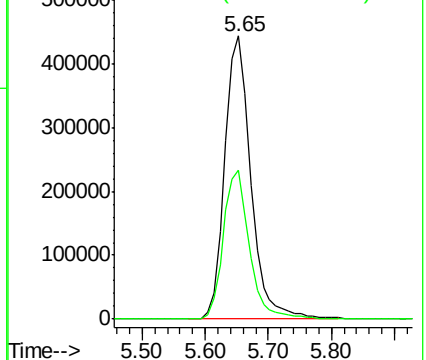
168 100

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



#16

Acetone

Concen: 33.764 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058137.D

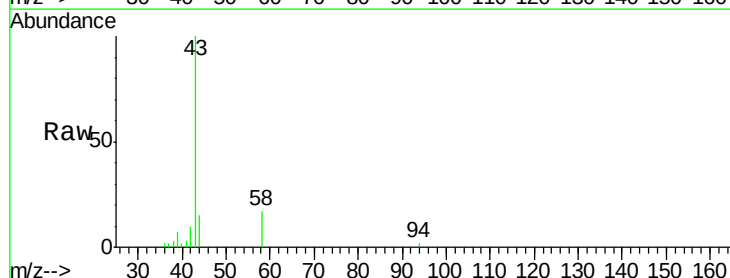
Acq: 14 Jun 2018 15:55

Tgt Ion: 43 Resp: 61825

Ion Ratio Lower Upper

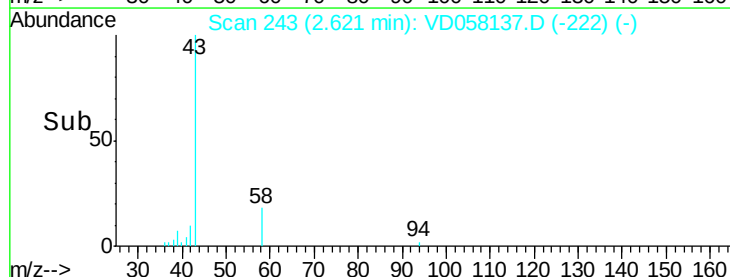
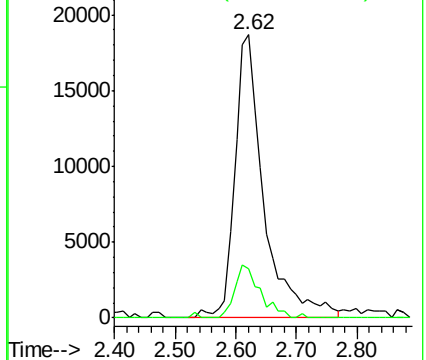
43 100

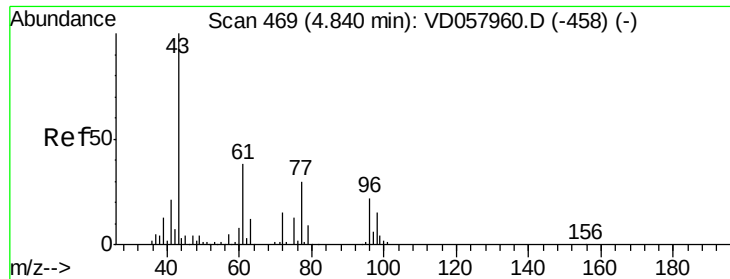
58 17.4 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 4.042 ug/l

RT: 4.86 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

Instrument :

MSVOA_D

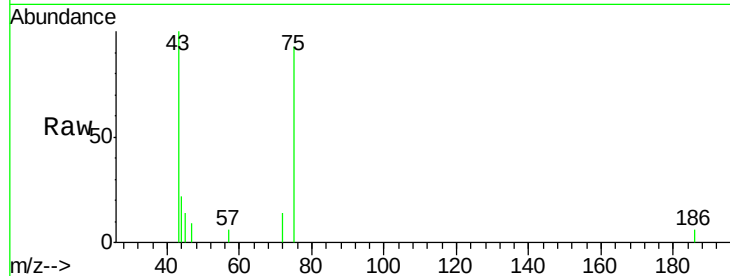
ClientSampleId :

Tot Ion: 43 Resp: 16822

Ion Ratio Lower Upper

43 100

72 14.0 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.86

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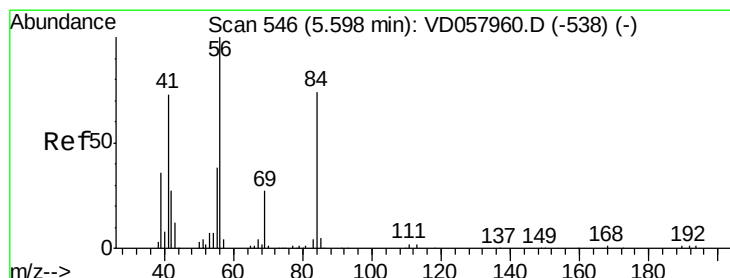
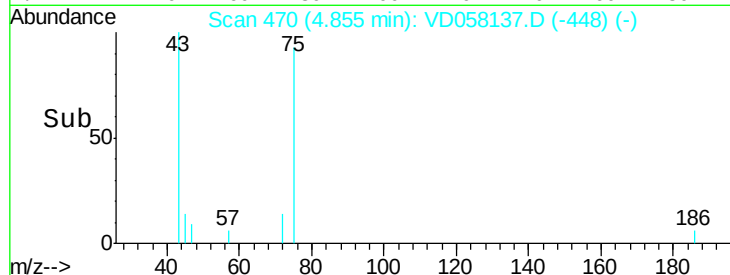
4.86

4.86

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4.86



#31

Cyclohexane

Concen: 1.383 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

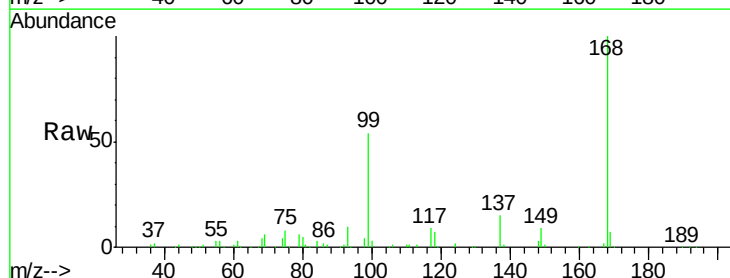
Tgt Ion: 56 Resp: 30573

Ion Ratio Lower Upper

56 100

69 213.0 21.5 32.3#

84 105.7 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

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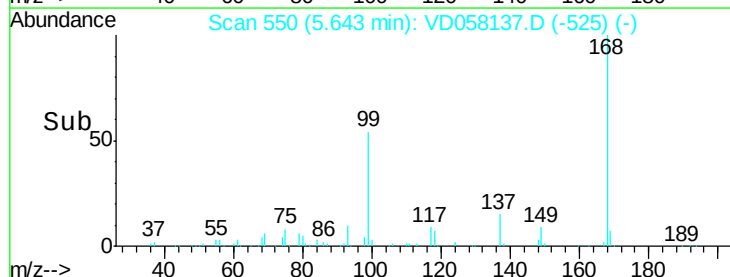
5.64

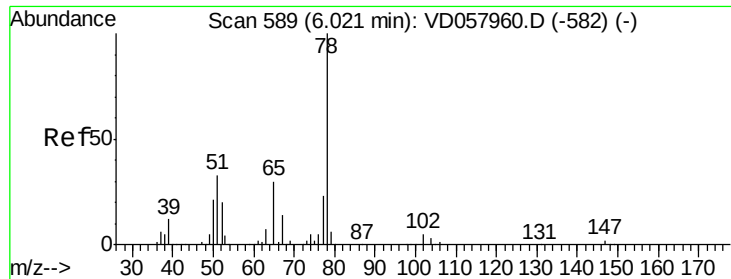
5.64

5.64

5.64

5.64





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

Instrument :

MSVOA_D

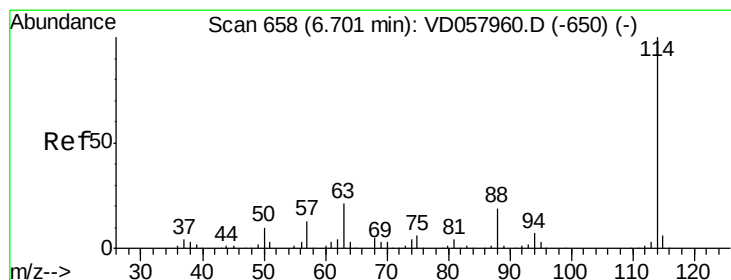
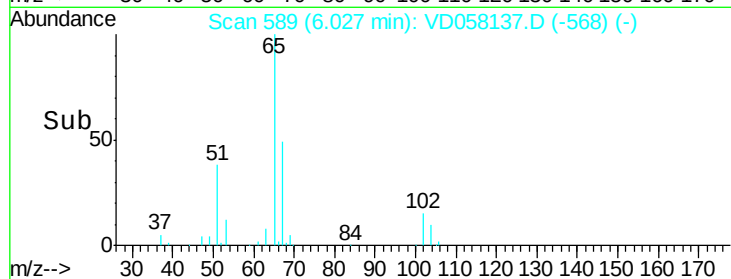
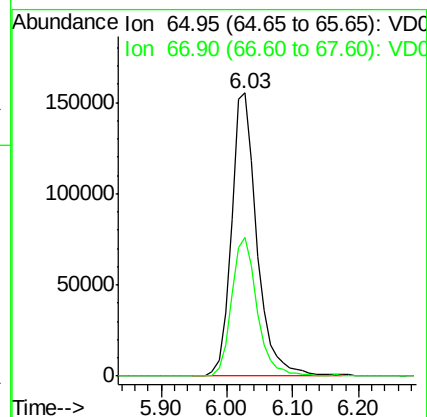
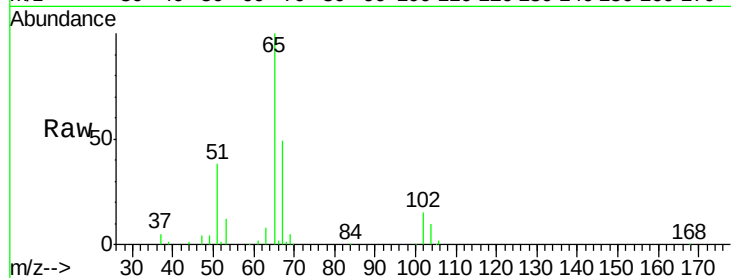
ClientSampleId :

Tot Ion: 65 Resp: 420256

Ion Ratio Lower Upper

65 100

67 49.2 0.0 94.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

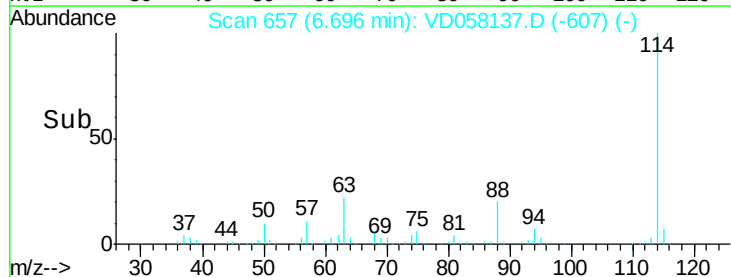
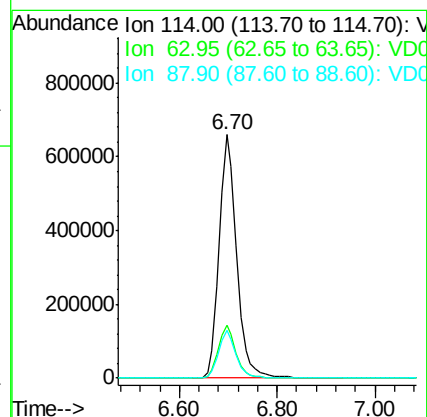
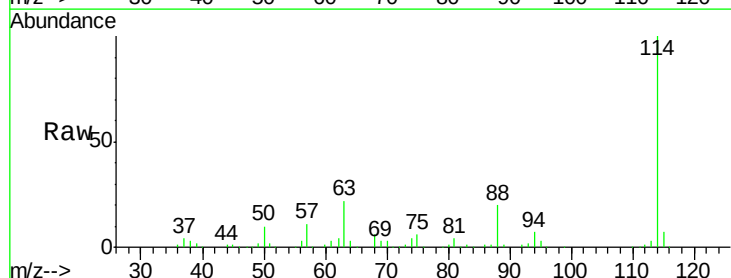
Tgt Ion: 114 Resp: 1659438

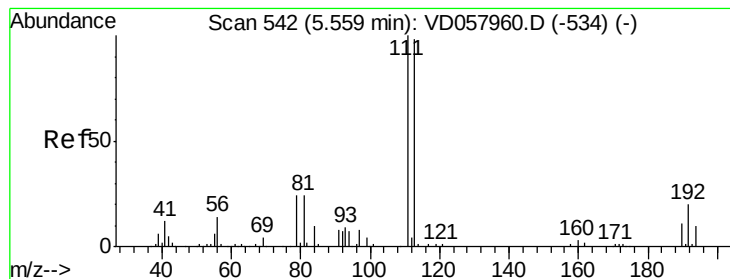
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.8

88 19.6 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

Instrument :
MSVOA_D
ClientSampleId :

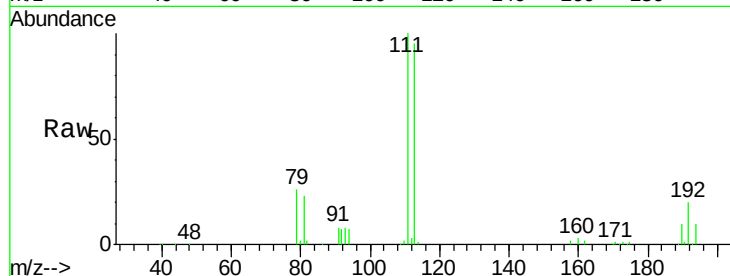
Tot Ion:113 Resp: 525031

Ion Ratio Lower Upper

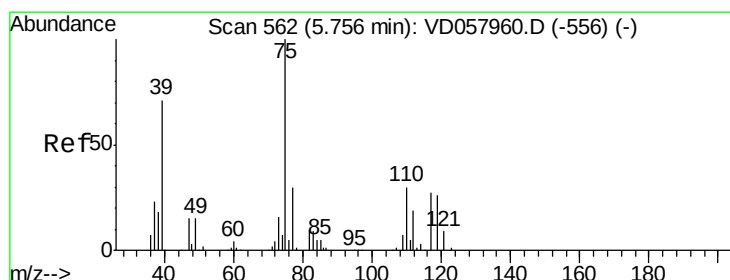
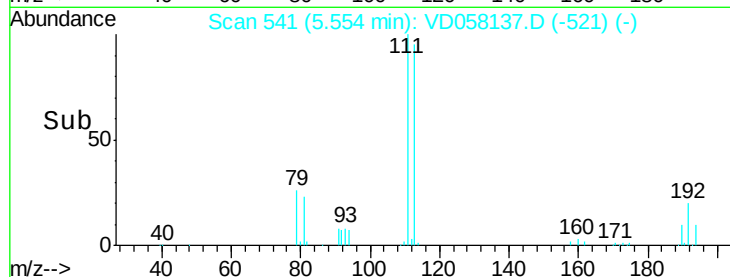
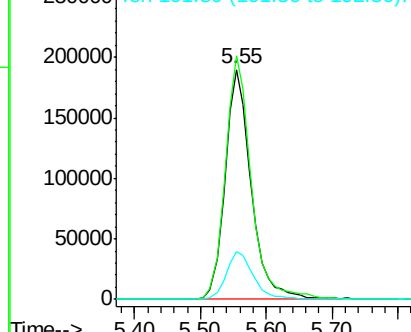
113 100

111 105.8 81.5 122.3

192 21.0 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: 5.686 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

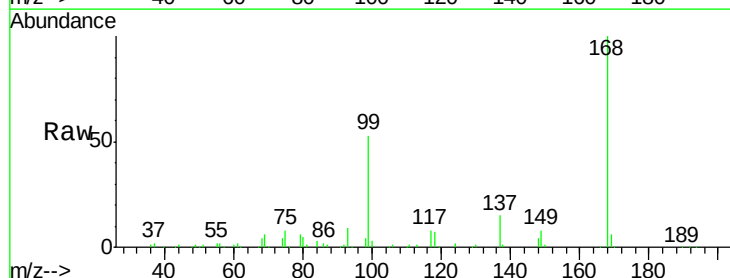
Tgt Ion: 75 Resp: 103947

Ion Ratio Lower Upper

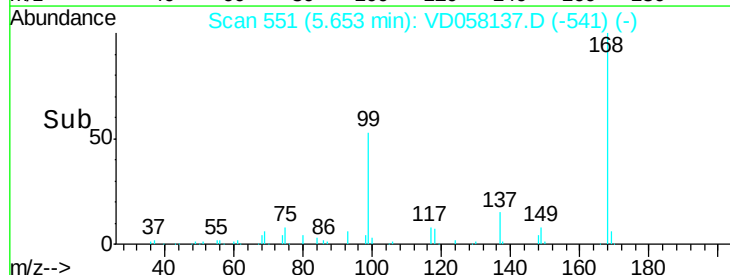
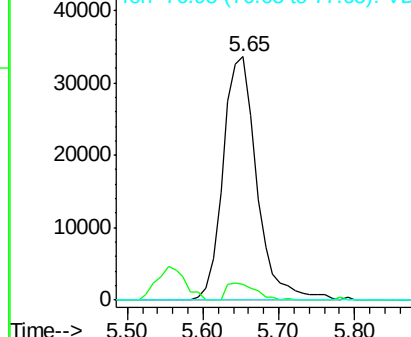
75 100

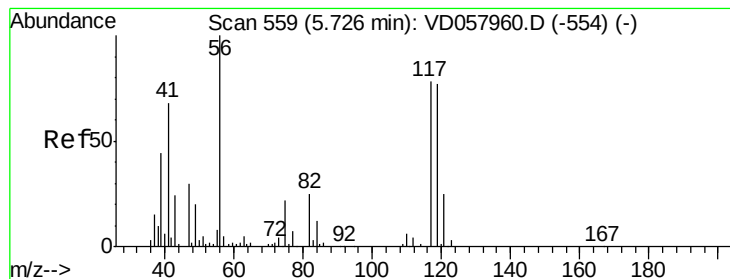
110 6.5 14.8 44.3#

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): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.916 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

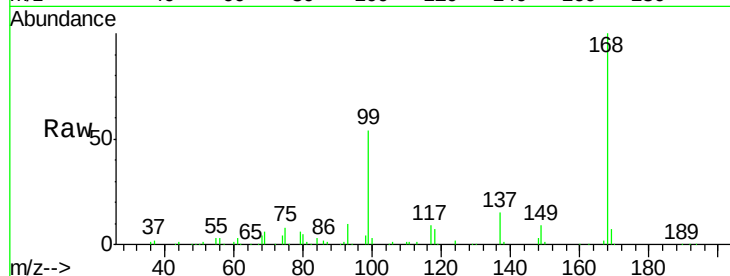
Tot Ion:117 Resp: 106596

Ion Ratio Lower Upper

117 100

119 4.1 76.1 114.1#

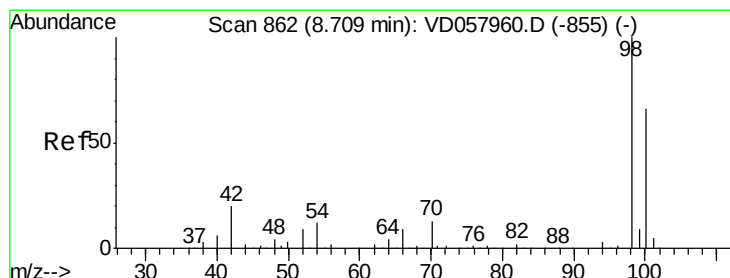
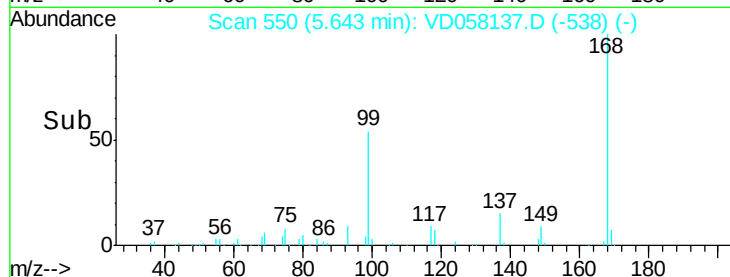
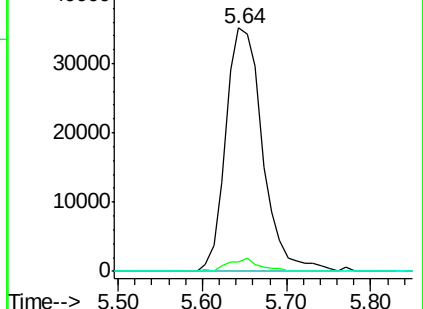
121 0.0 24.9 37.3#



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: VD058137.D

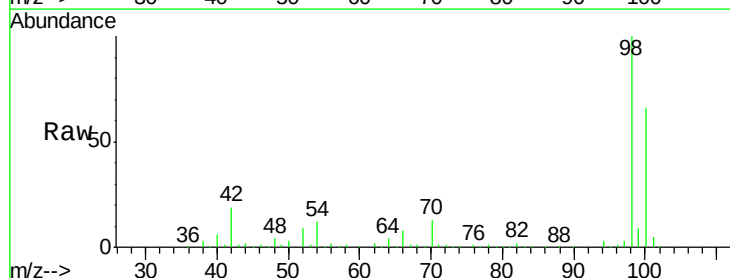
Acq: 14 Jun 2018 15:55

Tgt Ion: 98 Resp: 1173172

Ion Ratio Lower Upper

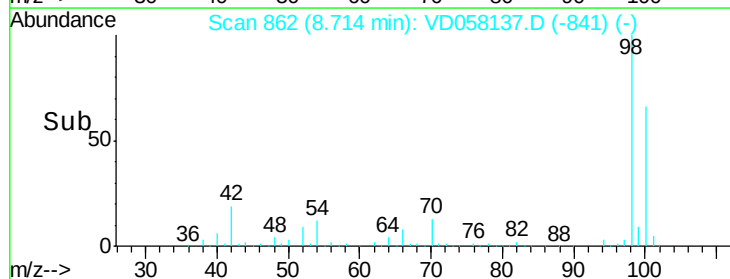
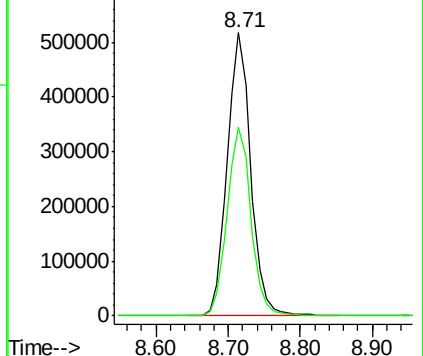
98 100

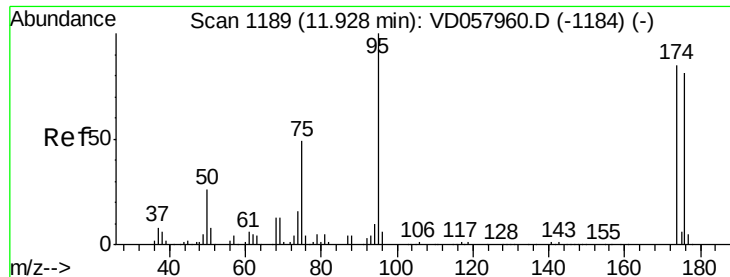
100 66.5 53.4 80.0



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: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampled :

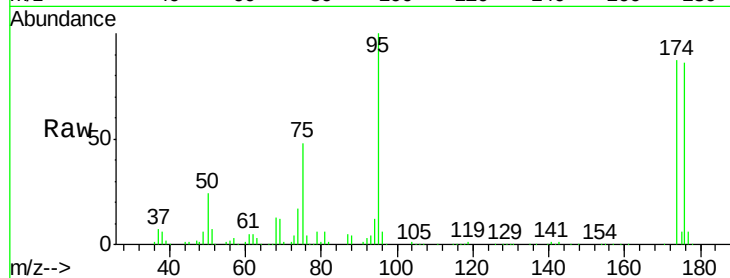
Tot Ion: 95 Resp: 485823

Ion Ratio Lower Upper

95 100

174 86.8 0.0 169.4

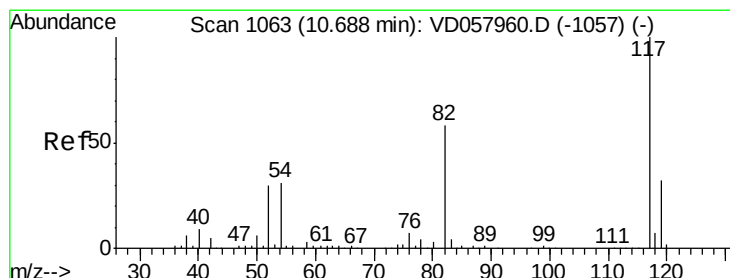
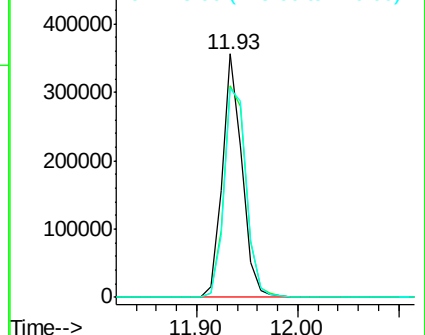
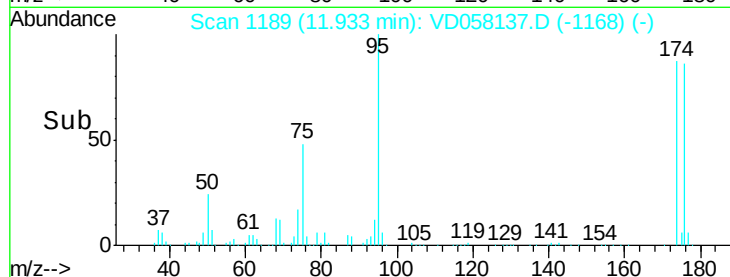
176 86.0 0.0 162.6



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: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

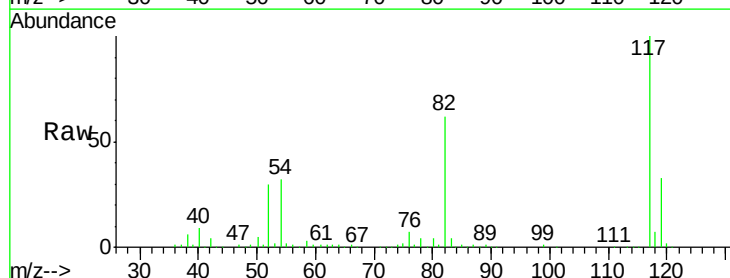
Tgt Ion: 117 Resp: 1254645

Ion Ratio Lower Upper

117 100

82 61.8 46.8 70.2

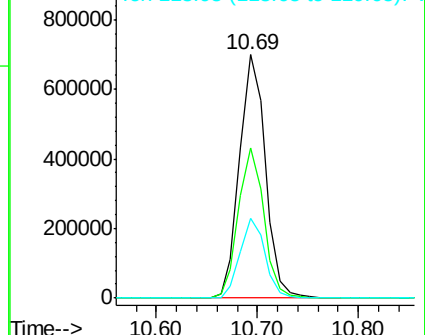
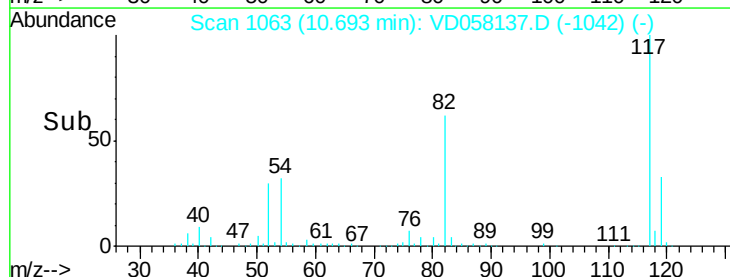
119 32.9 25.8 38.6

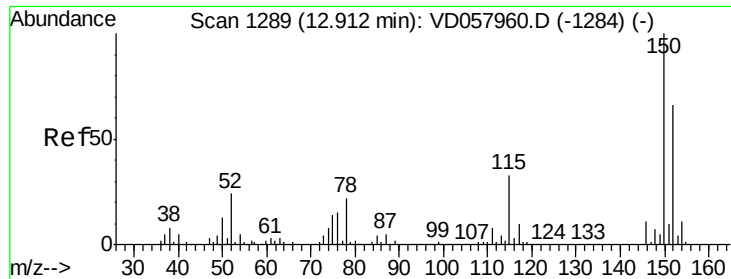


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

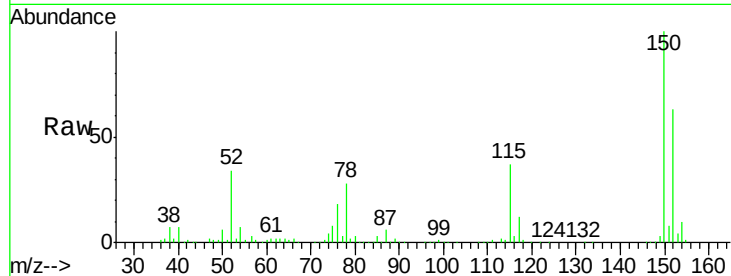
Tot Ion:152 Resp: 606908

Ion Ratio Lower Upper

152 100

115 58.9 25.6 76.6

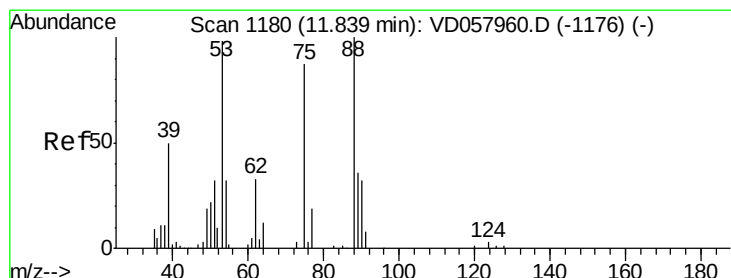
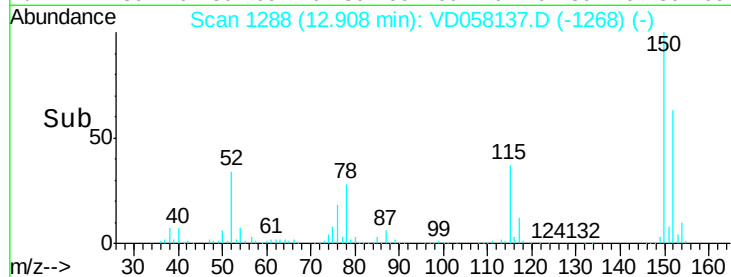
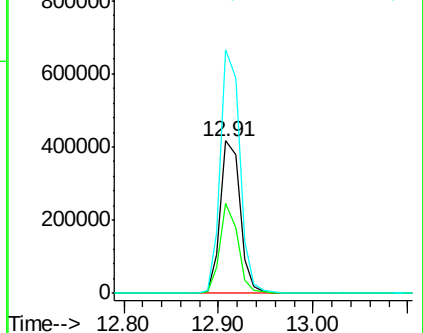
150 159.7 0.0 306.8



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: 106.684 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

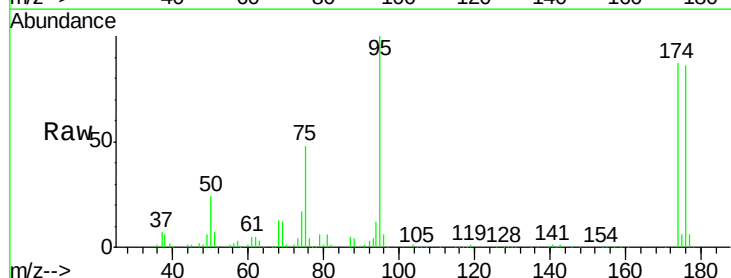
Tgt Ion: 75 Resp: 240897

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

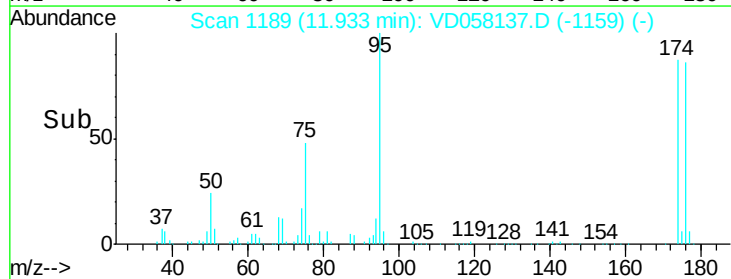
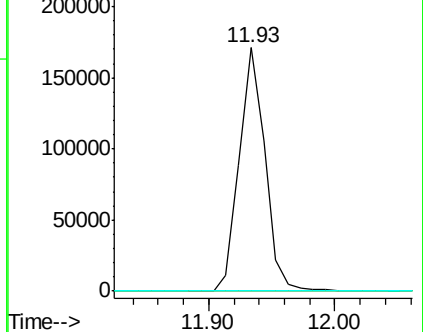
89 0.0 33.3 49.9#

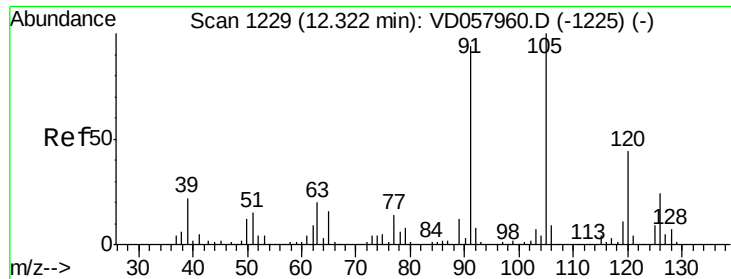


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

Instrument :

MSVOA_D

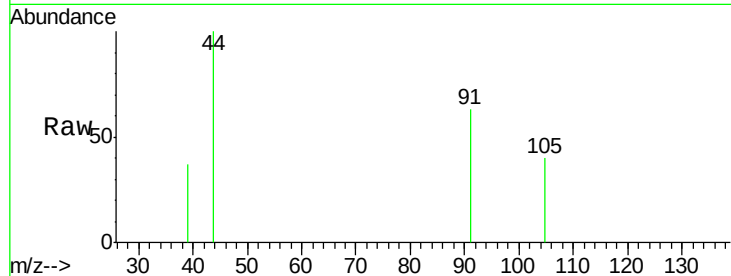
ClientSampled :

Tot Ion: 91 Resp: 520

Ion Ratio Lower Upper

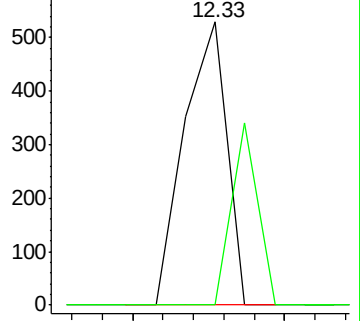
91 100

126 0.0 12.5 37.5#

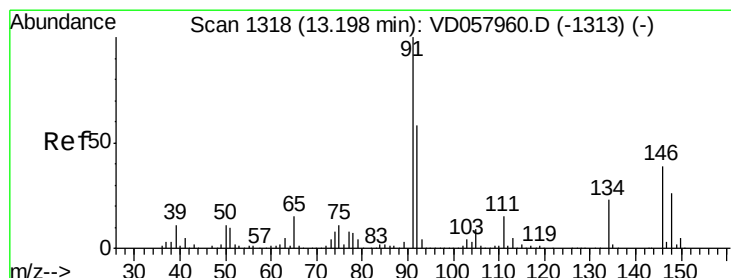
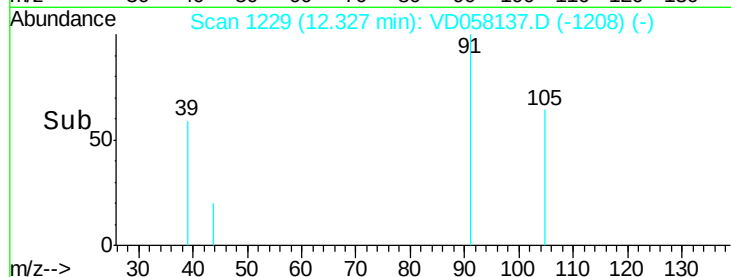


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



Time-->



#89

n-Butylbenzene

Concen: Below Cal

RT: 13.20 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD058137.D

Acq: 14 Jun 2018 15:55

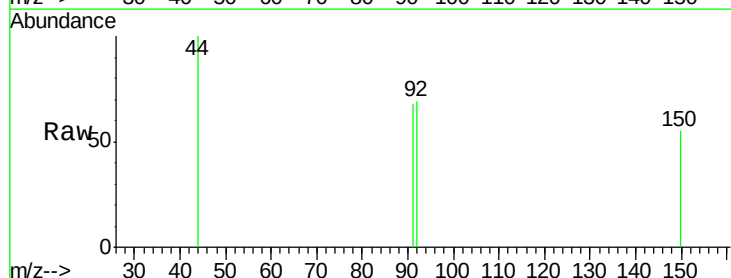
Tgt Ion: 91 Resp: 419

Ion Ratio Lower Upper

91 100

92 101.7 29.2 87.6#

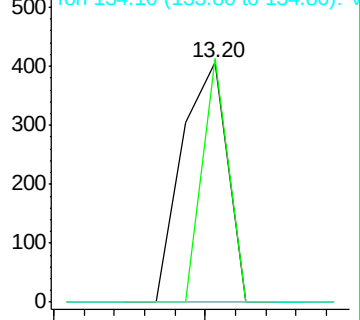
134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



Time-->

