

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058146.D
 Acq On : 14 Jun 2018 20:10
 Operator : VA/AP
 Sample : J3501-03
 Misc : 5.93a/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:06:01 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	644241	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	843558	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	702644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	371103	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	263093	40.85	ug/l	-0.01
Spiked Amount			Recovery	=	81.70%	
35) Dibromofluoromethane	5.55	113	264456	40.52	ug/l	-0.01
Spiked Amount			Recovery	=	81.04%	
50) Toluene-d8	8.71	98	607744	39.17	ug/l	0.00
Spiked Amount			Recovery	=	78.34%	
62) 4-Bromofluorobenzene	11.93	95	264445	39.07	ug/l	0.00
Spiked Amount			Recovery	=	78.14%	

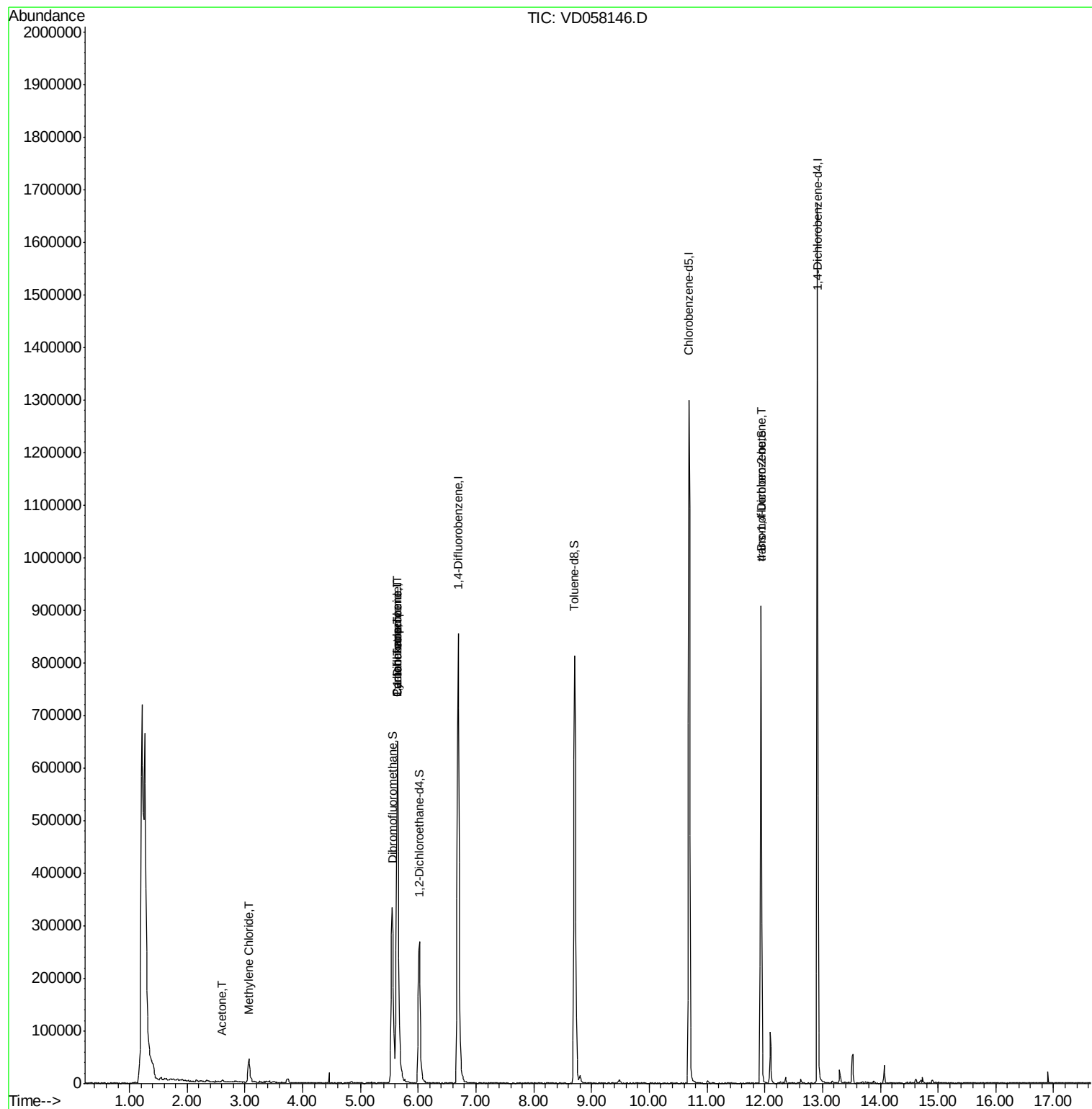
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	9076	9.781	ug/l #	90
20) Methylene Chloride	3.07	84	21136	1.737	ug/l	86
31) Cyclohexane	5.64	56	15607	1.394	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	55452	5.967	ug/l #	51
38) Carbon Tetrachloride	5.64	117	52032	5.681	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	132854	96.221	ug/l #	6
82) 4-Chlorotoluene	12.22	91	233	Below Cal	#	50
89) n-Butylbenzene	13.20	91	550	Below Cal	#	30

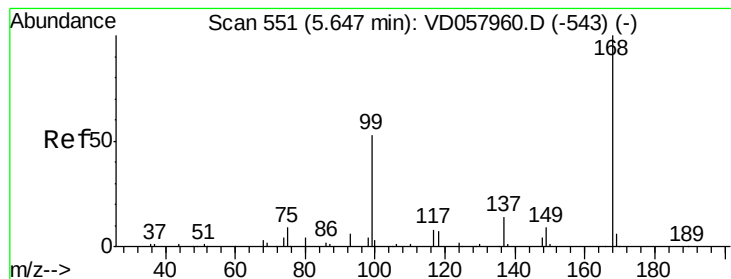
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061418\
Data File : VD058146.D
Acq On : 14 Jun 2018 20:10
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Misc : 5.93g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 15 06:06:01 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: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058146.D

Acq: 14 Jun 2018 20:10

Instrument :

MSVOA_D

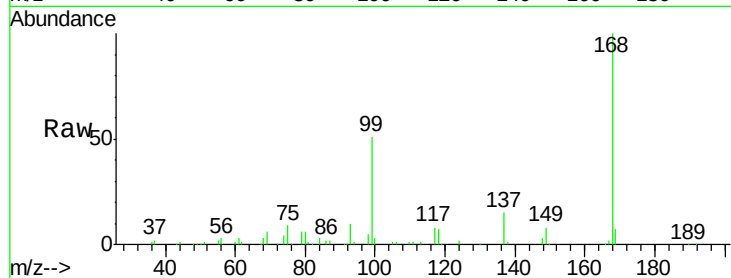
ClientSampleId :

Tot Ion:168 Resp: 644241

Ion Ratio Lower Upper

168 100

99 51.2 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

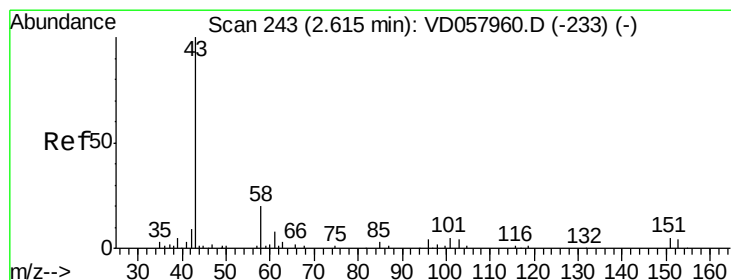
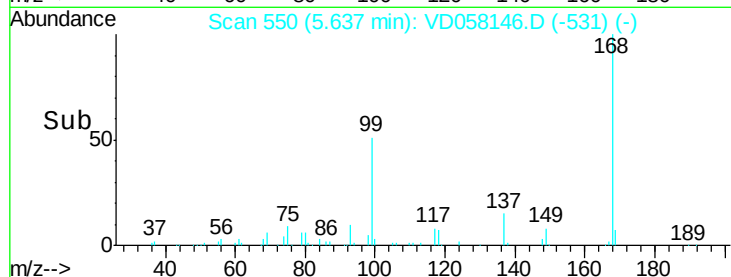
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 9.781 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058146.D

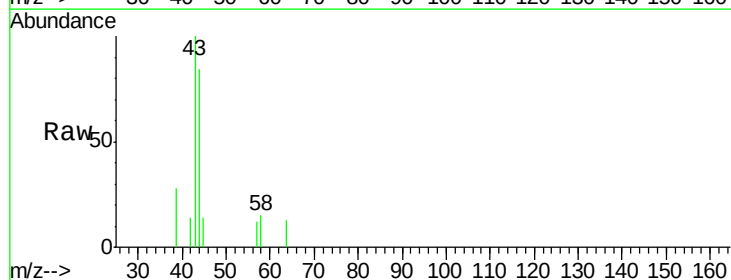
Acq: 14 Jun 2018 20:10

Tgt Ion: 43 Resp: 9076

Ion Ratio Lower Upper

43 100

58 15.3 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.61

3000

2500

2000

1500

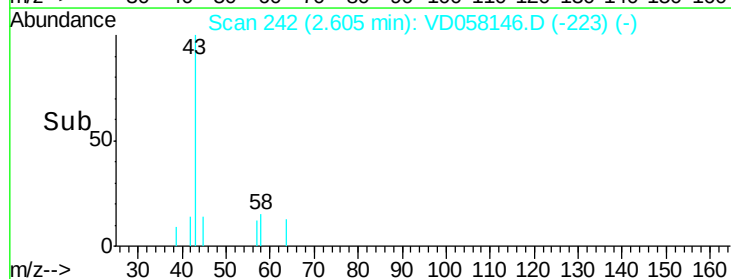
1000

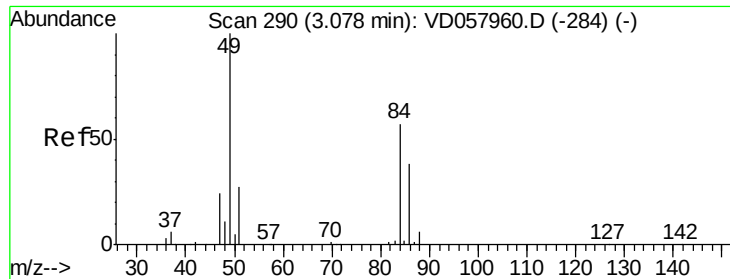
500

0

Time-->

2.50 2.60 2.70

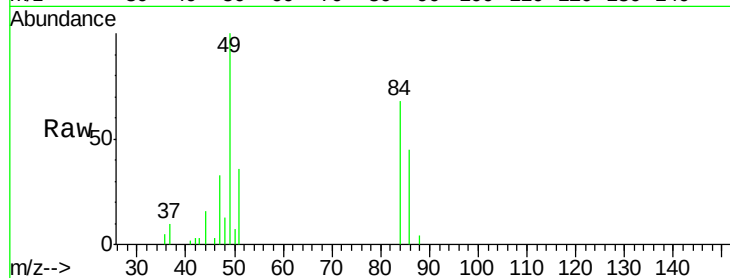




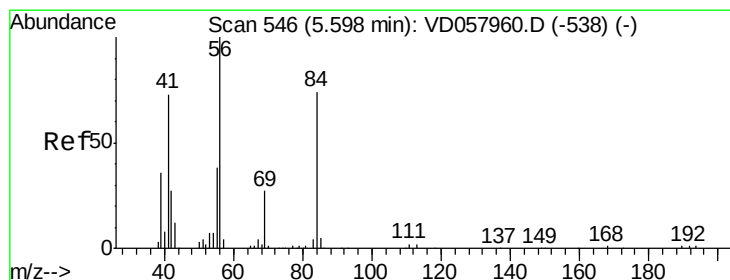
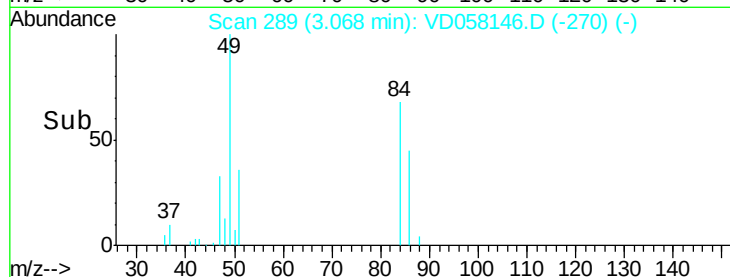
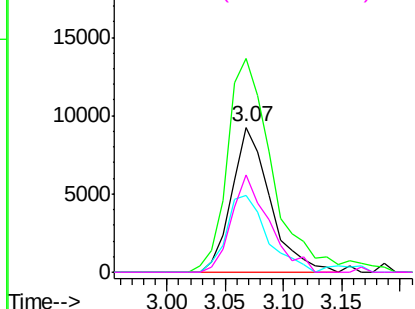
#20
Methvlene Chloride
Concen: 1.737 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058146.D
Acq: 14 Jun 2018 20:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 21136
Ion Ratio Lower Upper
84 100
49 147.4 141.4 212.0
51 52.8 38.3 57.5
86 67.0 52.9 79.3

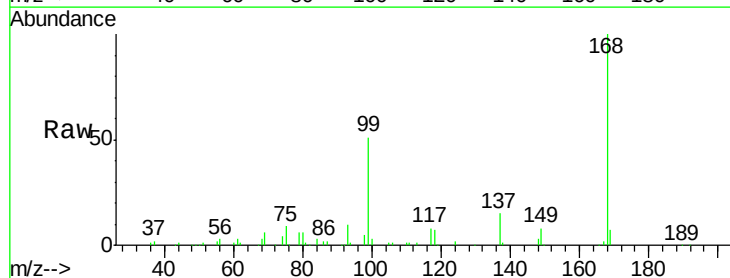


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

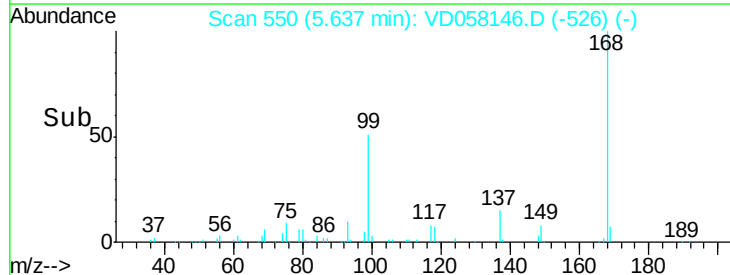
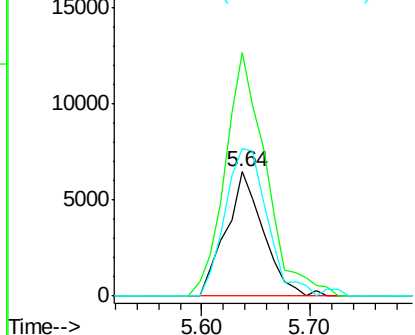


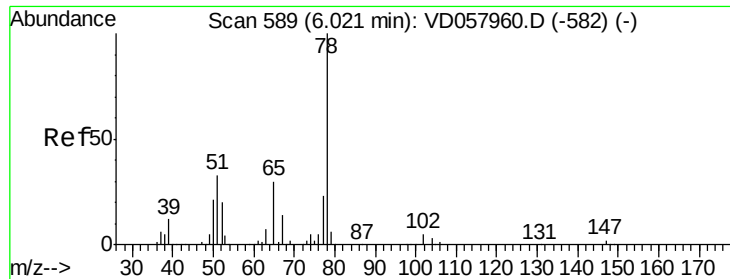
#31
Cyclohexane
Concen: 1.394 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD058146.D
Acq: 14 Jun 2018 20:10

Tgt Ion: 56 Resp: 15607
Ion Ratio Lower Upper
56 100
69 196.3 21.5 32.3#
84 118.7 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

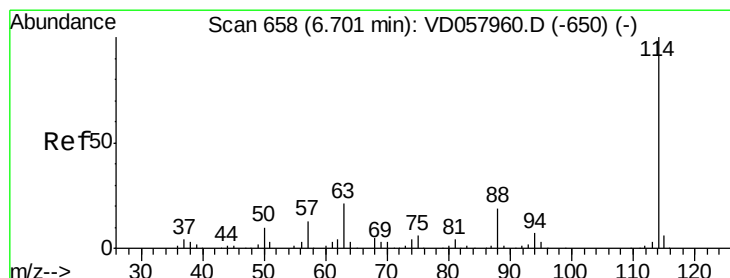
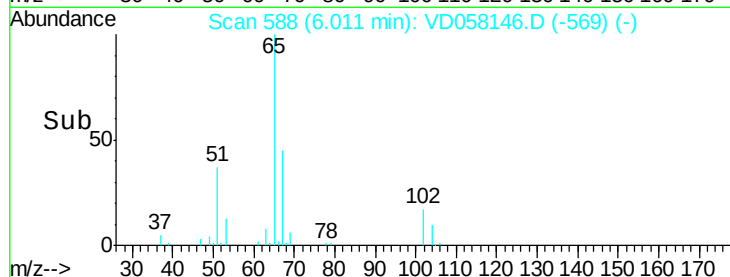
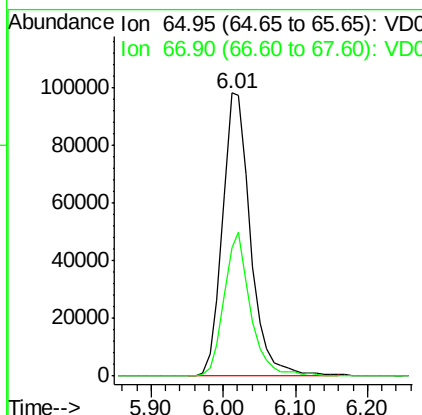
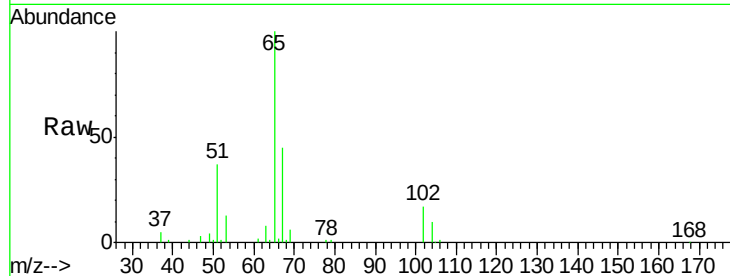




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD058146.D
 Acq: 14 Jun 2018 20:10

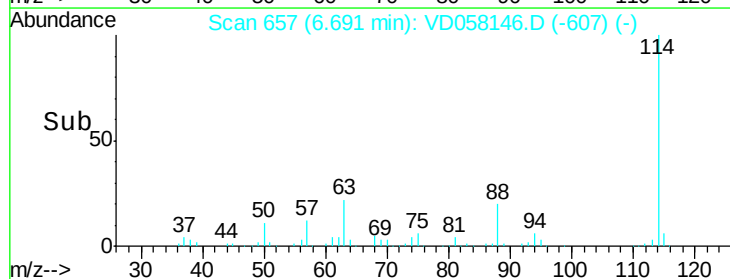
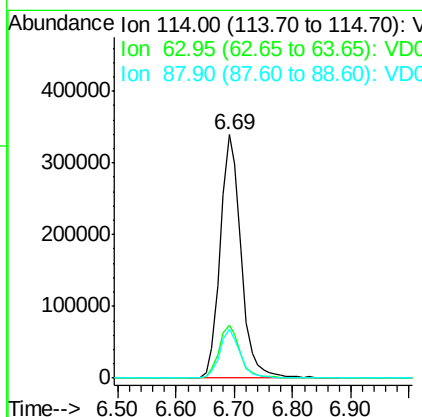
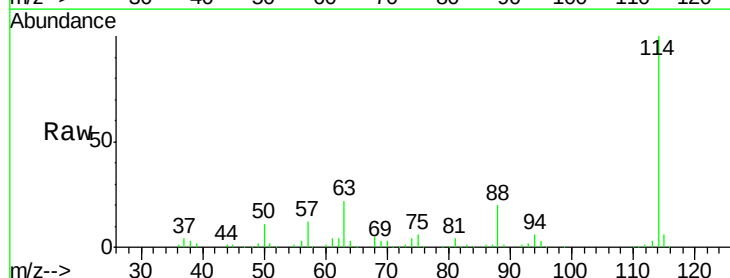
Instrument :
 MSVOA_D
 ClientSampleId :

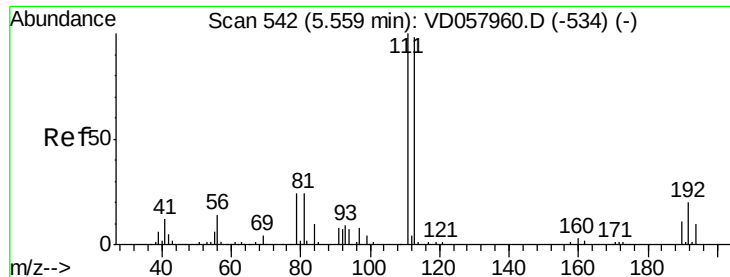
Tot Ion: 65 Resp: 263093
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058146.D
 Acq: 14 Jun 2018 20:10

Tgt Ion: 114 Resp: 843558
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 19.9 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058146.D

Acq: 14 Jun 2018 20:10

Instrument :
MSVOA_D
ClientSampleId :

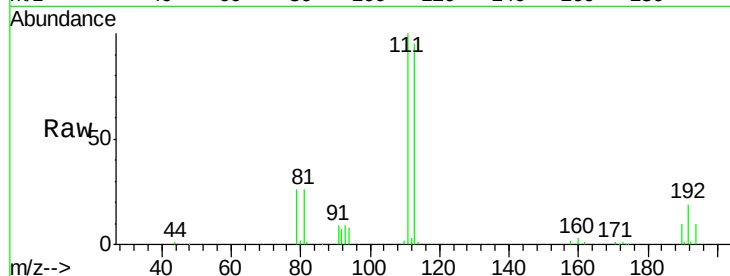
Tot Ion:113 Resp: 264456

Ion Ratio Lower Upper

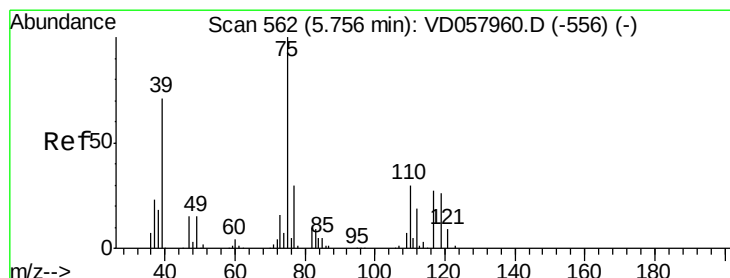
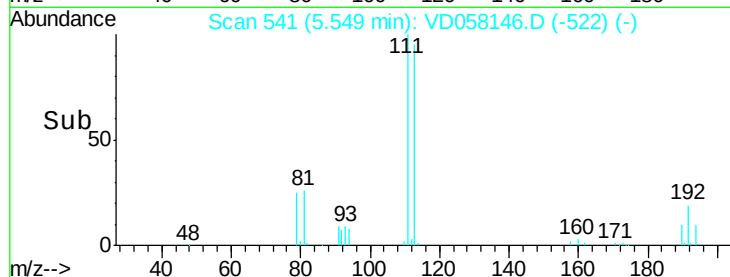
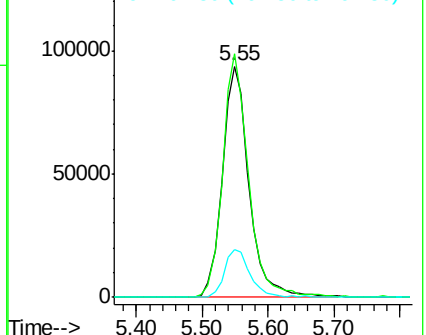
113 100

111 105.5 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: 5.967 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.12 min

Lab File: VD058146.D

Acq: 14 Jun 2018 20:10

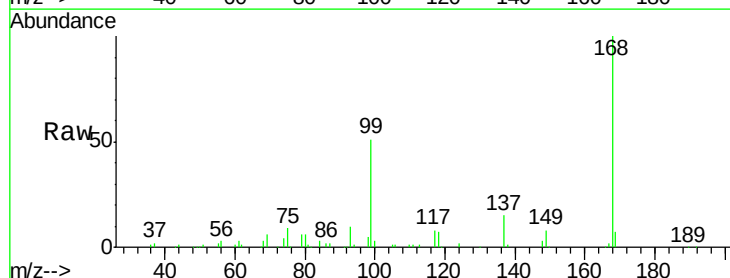
Tgt Ion: 75 Resp: 55452

Ion Ratio Lower Upper

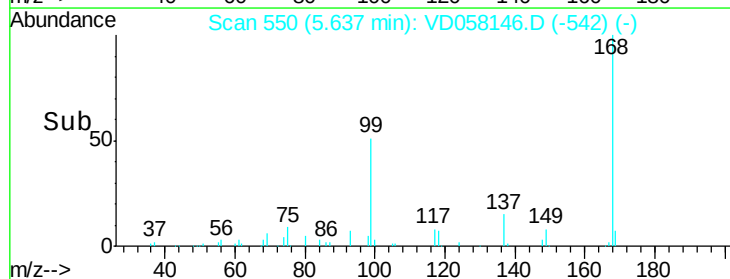
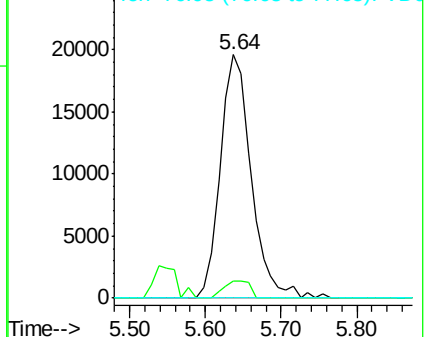
75 100

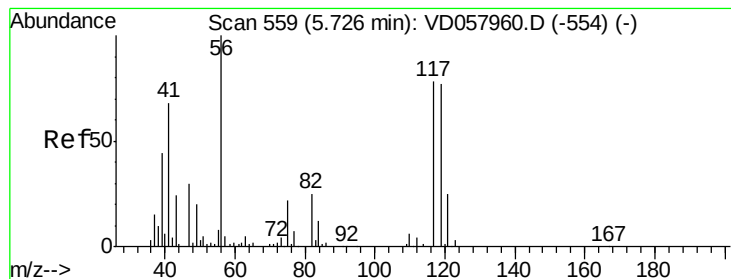
110 7.1 14.8 44.3#

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





#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058146.D

Acq: 14 Jun 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

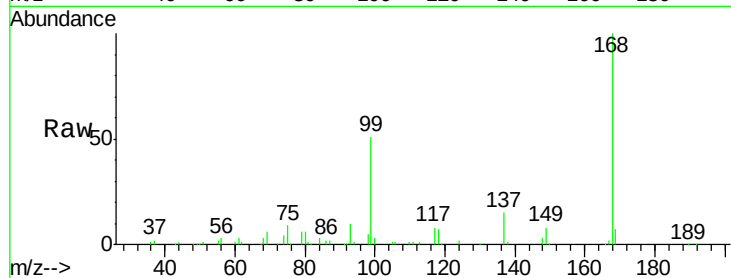
Tot Ion:117 Resp: 52032

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

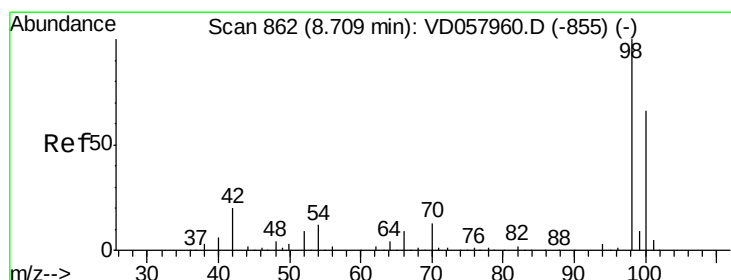
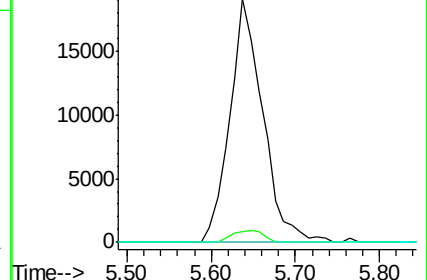
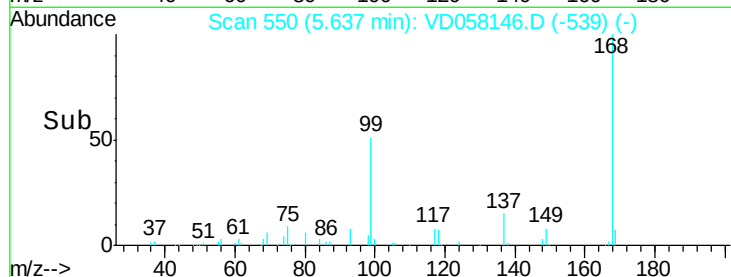
121 0.0 24.9 37.3#



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. -0.00 min

Lab File: VD058146.D

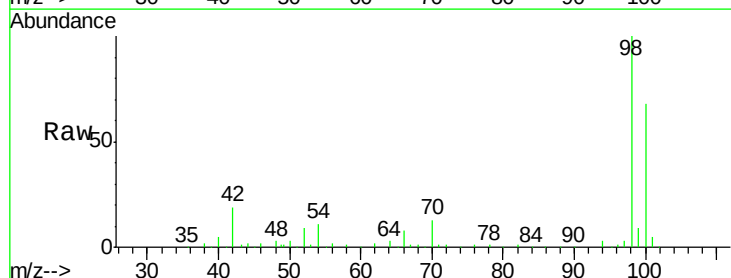
Acq: 14 Jun 2018 20:10

Tgt Ion: 98 Resp: 607744

Ion Ratio Lower Upper

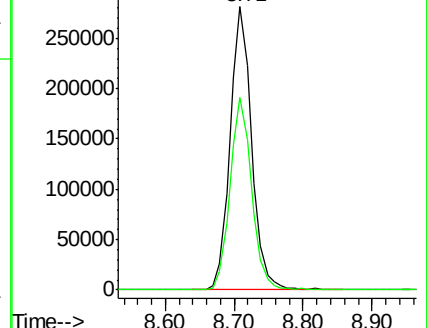
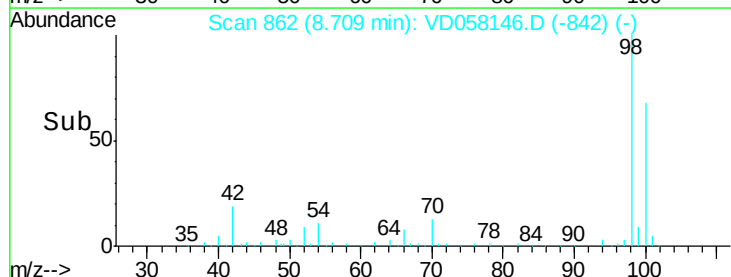
98 100

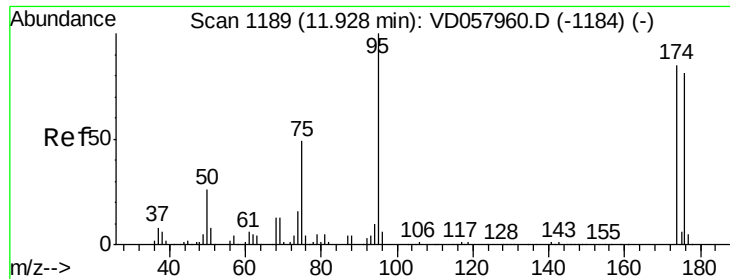
100 68.0 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

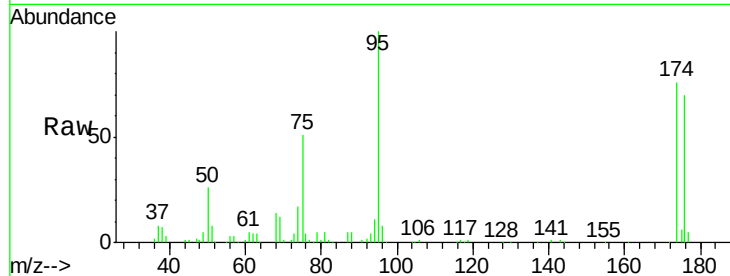




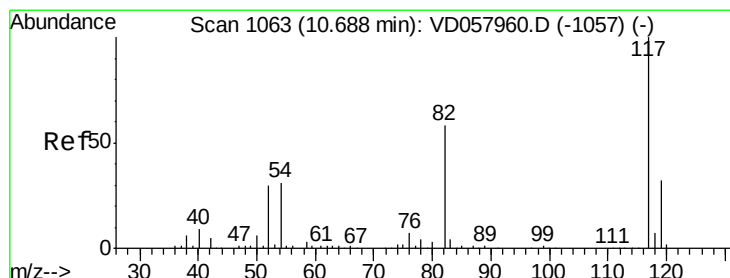
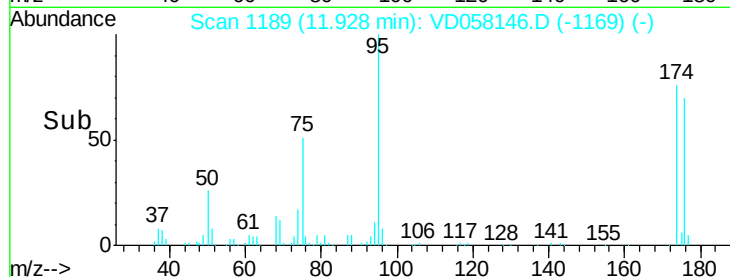
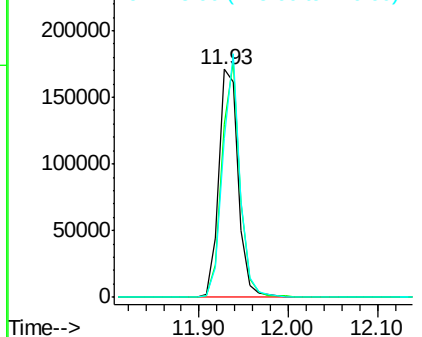
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD058146.D
Acq: 14 Jun 2018 20:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 264445
Ion Ratio Lower Upper
95 100
174 75.9 0.0 169.4
176 69.9 0.0 162.6

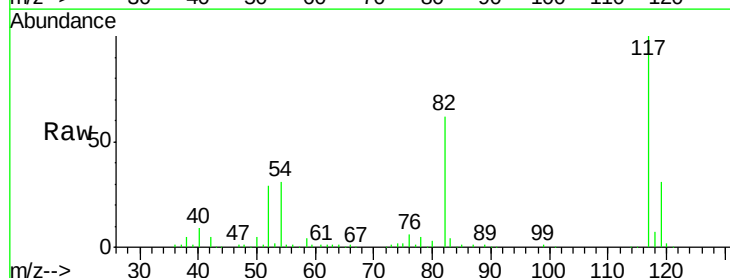


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

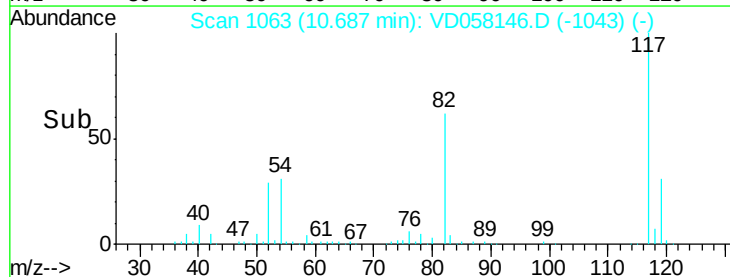
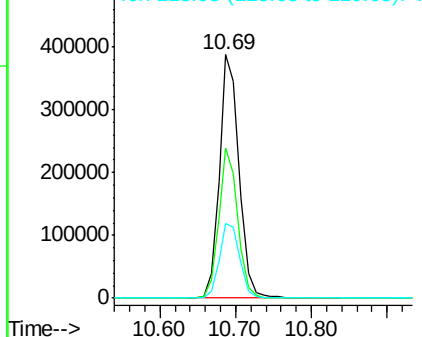


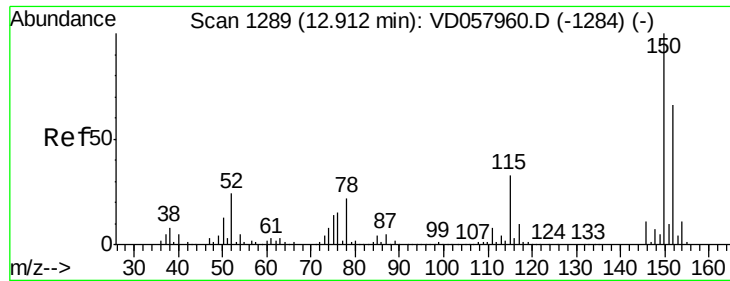
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058146.D
Acq: 14 Jun 2018 20:10

Tgt Ion: 117 Resp: 702644
Ion Ratio Lower Upper
117 100
82 61.8 46.8 70.2
119 30.9 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



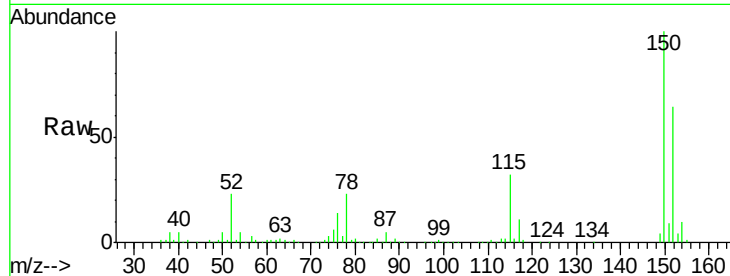


#72

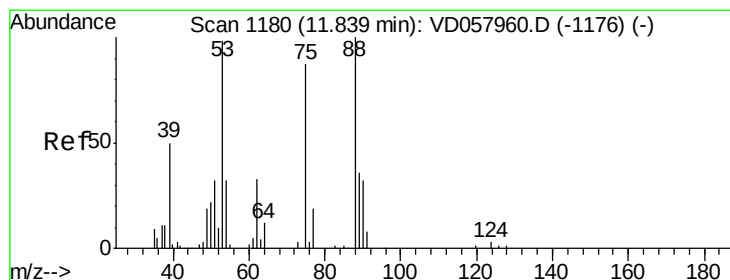
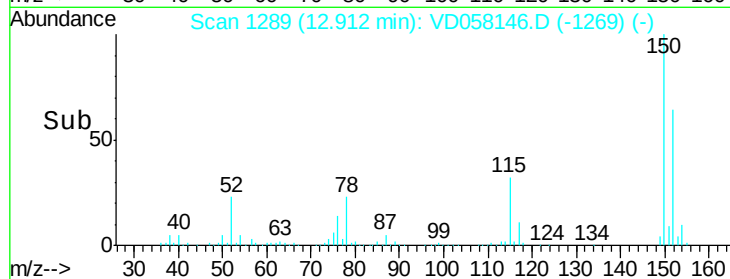
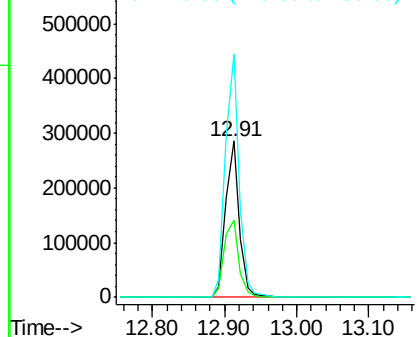
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058146.D
Acq: 14 Jun 2018 20:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 371103
Ion Ratio Lower Upper
152 100
115 49.8 25.6 76.6
150 155.9 0.0 306.8



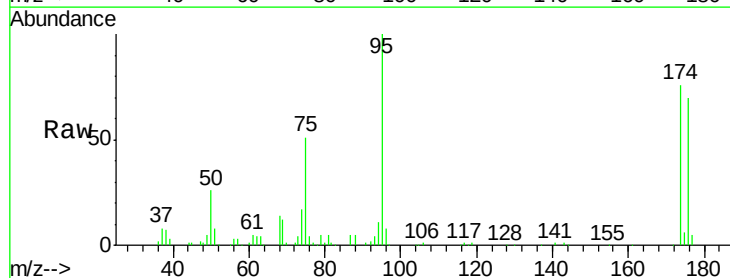
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



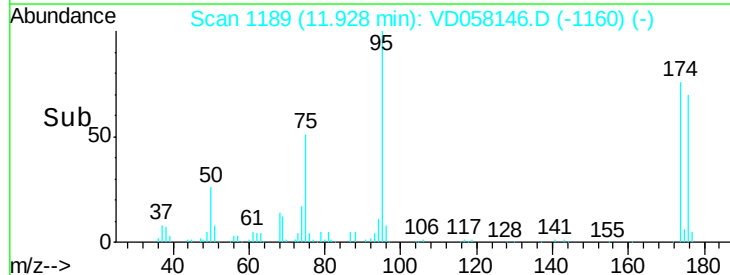
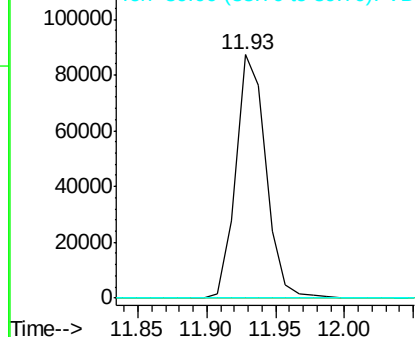
#81

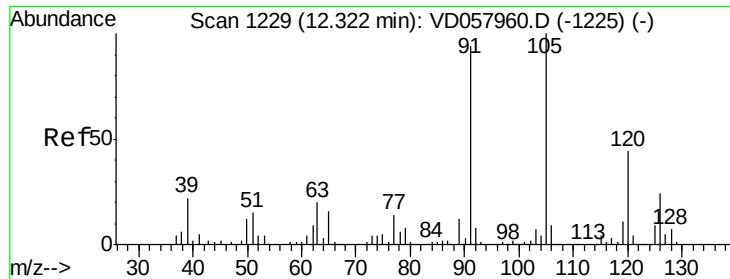
trans-1,4-Dichloro-2-butene
Concen: 96.221 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VD058146.D
Acq: 14 Jun 2018 20:10

Tgt Ion: 75 Resp: 132854
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: 12.22 min Scan# 1219

Delta R.T. -0.10 min

Lab File: VD058146.D

Acq: 14 Jun 2018 20:10

Instrument :

MSVOA_D

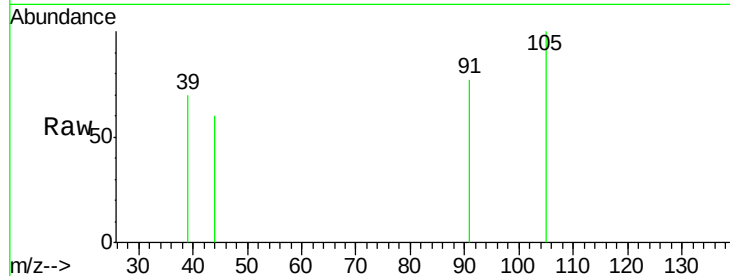
ClientSampleId :

Tot Ion: 91 Resp: 233

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

12.22

400

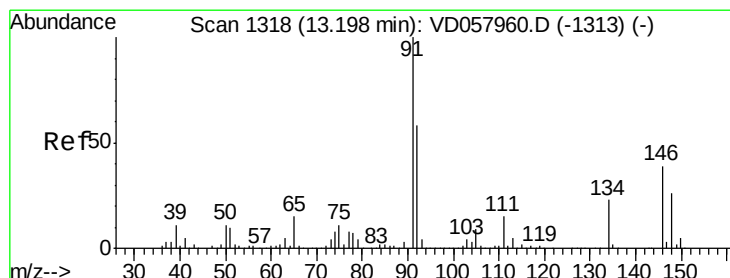
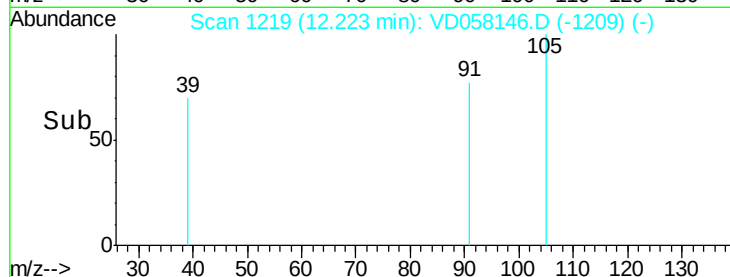
300

200

100

0

Time-->



#89

n-Butylbenzene

Concen: Below Cal

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058146.D

Acq: 14 Jun 2018 20:10

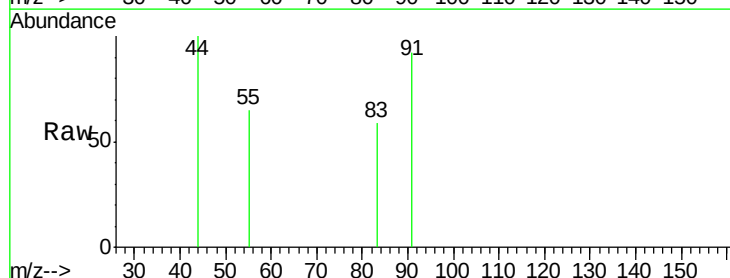
Tgt Ion: 91 Resp: 550

Ion Ratio Lower Upper

91 100

92 0.0 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

800

600

400

200

0

Time-->

