

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061656.D
 Acq On : 8 Apr 2019 17:44
 Operator : VA/AP
 Sample : K2240-07
 Misc : 5.07µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:21:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

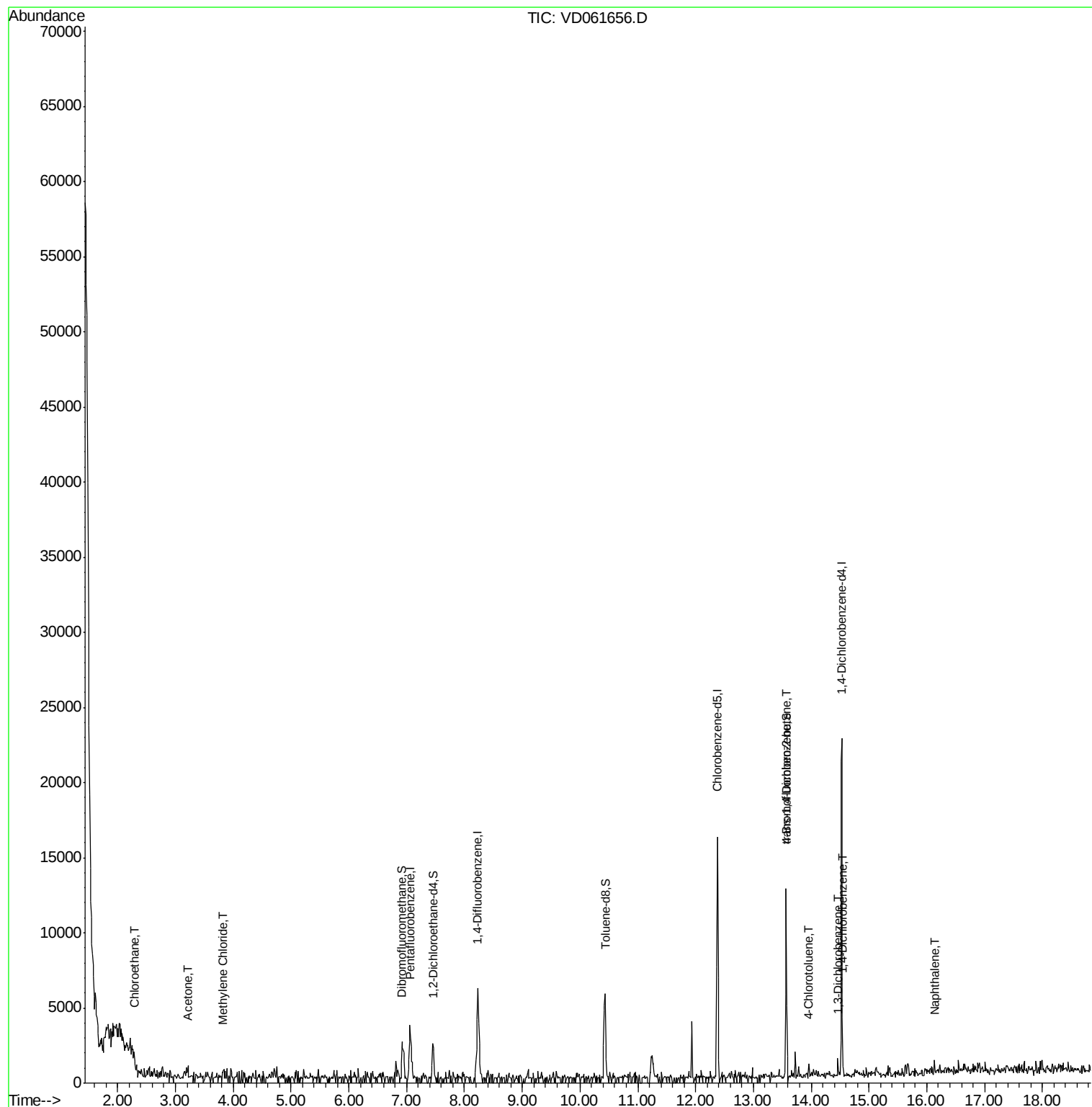
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	5880	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	12091	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	12499	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	6022	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	2470	55.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.84%	
35) Dibromofluoromethane	6.93	113	2657	31.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	63.44%	
50) Toluene-d8	10.42	98	7121	33.84	ug/l	0.02
Spiked Amount 50.000			Recovery	=	67.68%	
62) 4-Bromofluorobenzene	13.56	95	4226	59.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	118.88%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.28	64	202	13.464	ug/l #	44
16) Acetone	3.22	43	949	71.228	ug/l #	51
20) Methylene Chloride	3.82	84	205	2.711	ug/l #	53
81) trans-1,4-Dichloro-2-buten	13.56	75	1409	56.673	ug/l #	20
82) 4-Chlorotoluene	13.96	91	345	1.147	ug/l #	37
87) 1,3-Dichlorobenzene	14.46	146	526	2.624	ug/l #	70
88) 1,4-Dichlorobenzene	14.55	146	216	1.068	ug/l #	25
95) Naphthalene	16.13	128	403	3.026	ug/l #	70

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

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QLast Update : Mon Apr 08 10:04:03 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

Instrument :

MSVOA_D

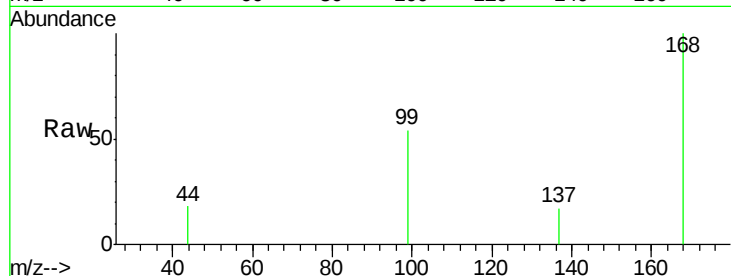
ClientSampleId :

Tot Ion:168 Resp: 5880

Ion Ratio Lower Upper

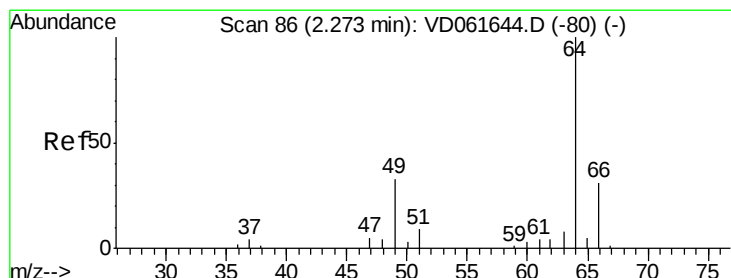
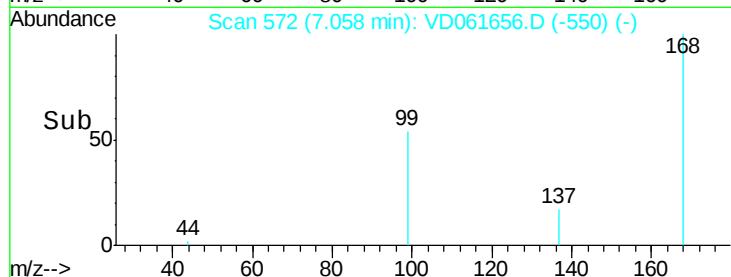
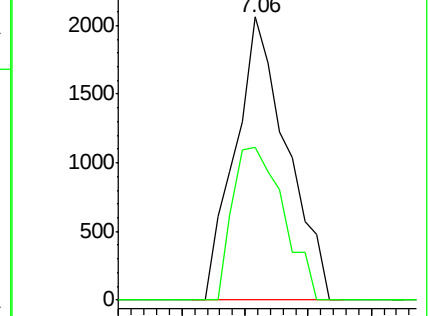
168 100

99 53.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#6

Chloroethane

Concen: 13.464 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD061656.D

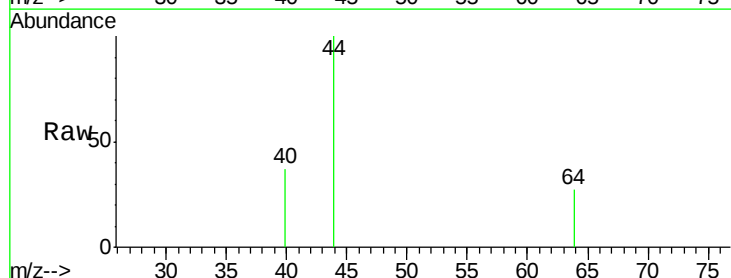
Acq: 8 Apr 2019 17:44

Tgt Ion: 64 Resp: 202

Ion Ratio Lower Upper

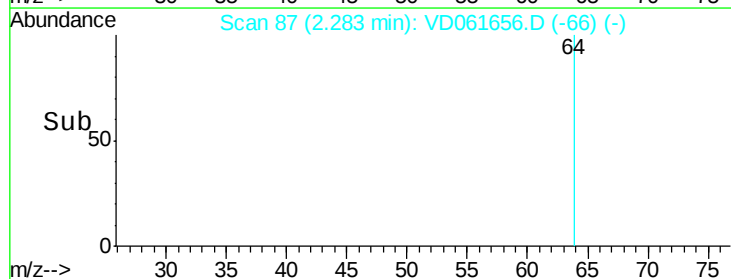
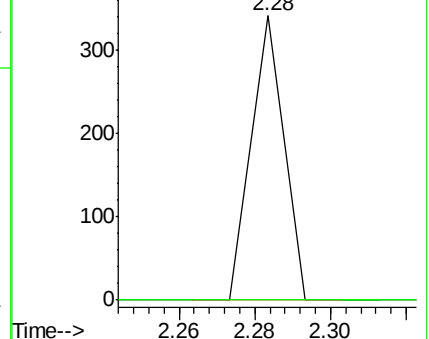
64 100

66 0.0 24.9 37.3#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#16

Acetone

Concen: 71.228 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

Instrument :

MSVOA_D

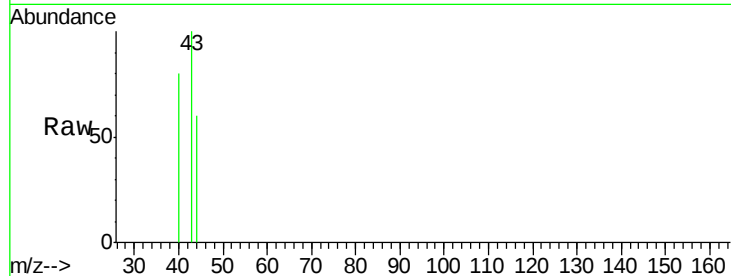
ClientSampled :

Tot Ion: 43 Resp: 949

Ion Ratio Lower Upper

43 100

58 0.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

500

400

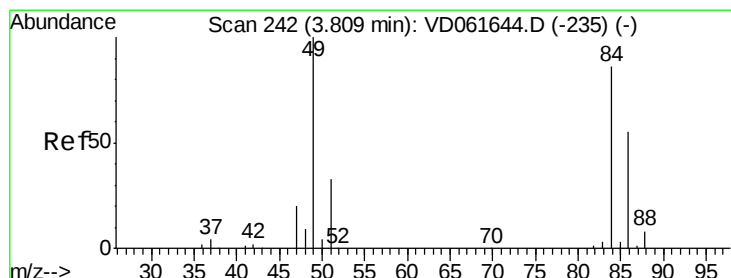
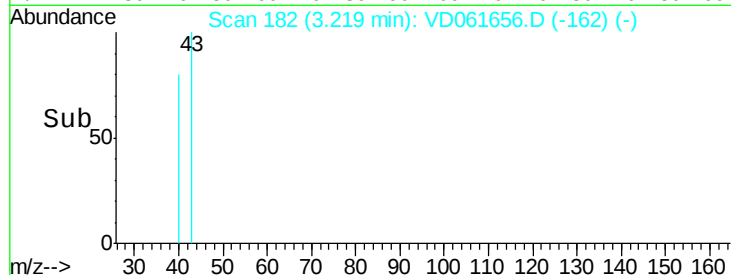
300

200

100

0

Time--> 3.15 3.20 3.25



#20

Methylene Chloride

Concen: 2.711 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

Tgt Ion: 84 Resp: 205

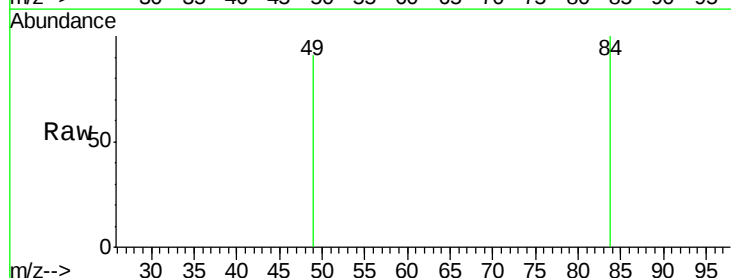
Ion Ratio Lower Upper

84 100

49 91.1 93.0 139.4#

51 0.0 30.4 45.6#

86 0.0 51.0 76.4#



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

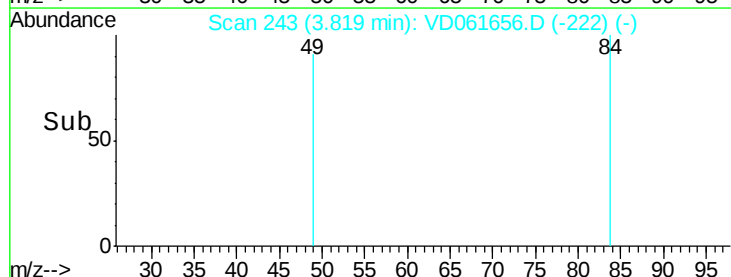
600

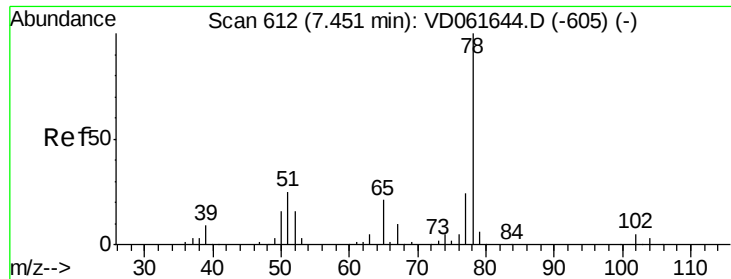
400

200

0

Time--> 3.78 3.80 3.82 3.84





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

Instrument :

MSVOA_D

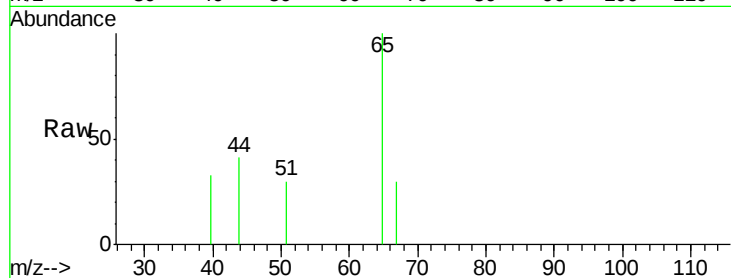
ClientSampleId :

Tot Ion: 65 Resp: 2470

Ion Ratio Lower Upper

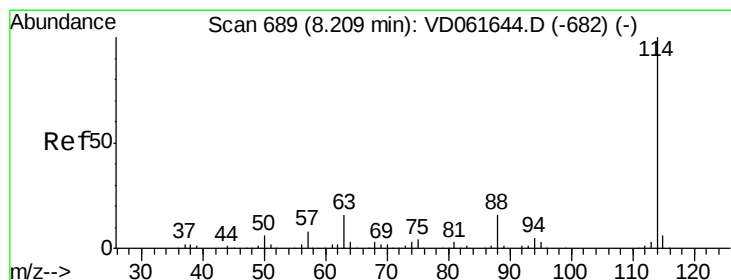
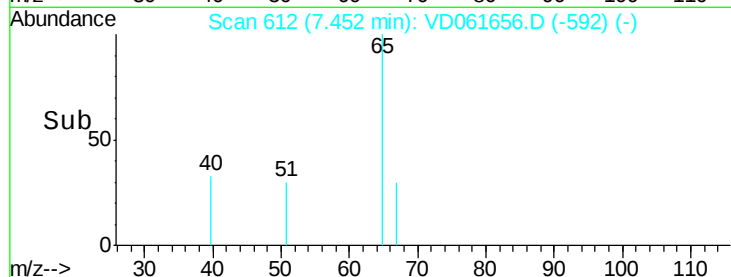
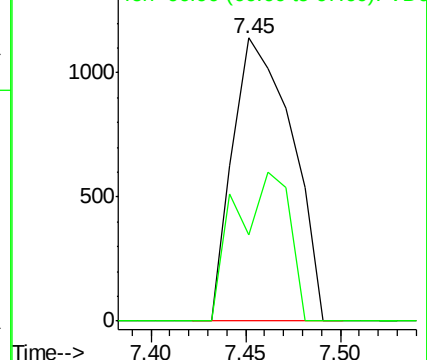
65 100

67 30.4 0.0 99.4



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: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

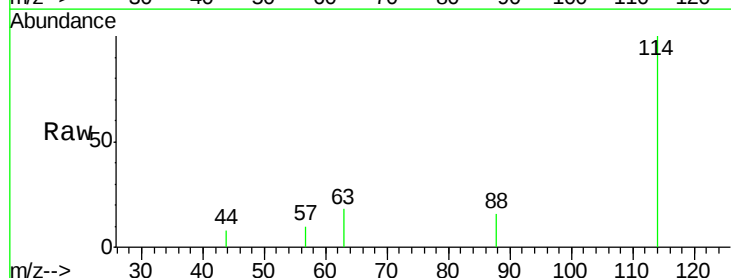
Tgt Ion:114 Resp: 12091

Ion Ratio Lower Upper

114 100

63 17.7 0.0 31.2

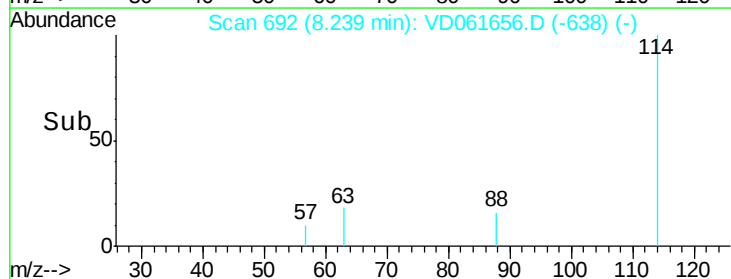
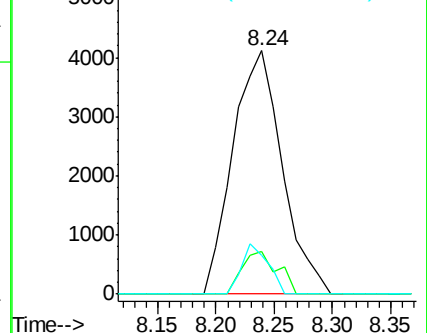
88 15.8 0.0 31.8

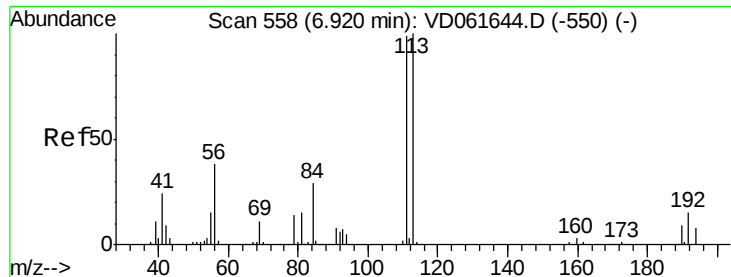


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

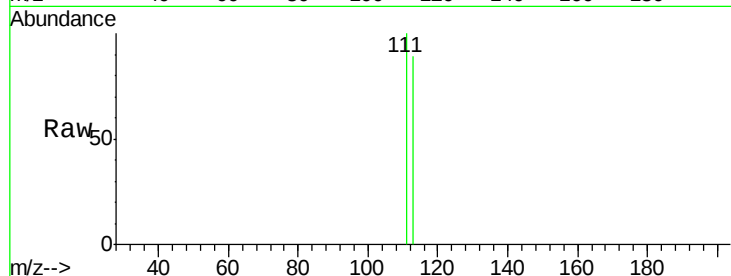
Tot Ion:113 Resp: 2657

Ion Ratio Lower Upper

113 100

111 112.8 79.3 118.9

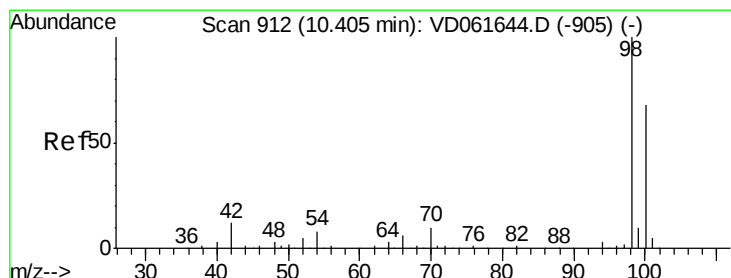
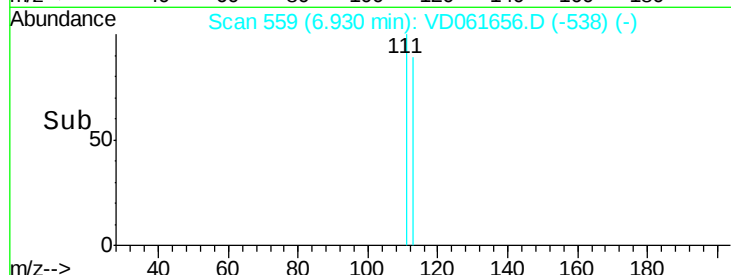
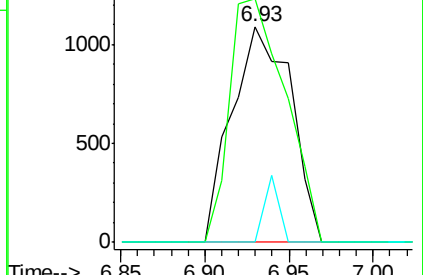
192 0.0 12.3 18.5#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061656.D

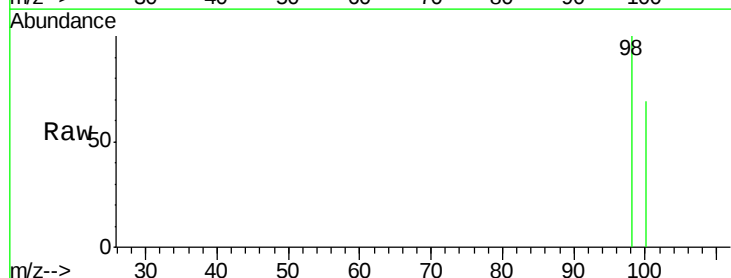
Acq: 8 Apr 2019 17:44

Tgt Ion: 98 Resp: 7121

Ion Ratio Lower Upper

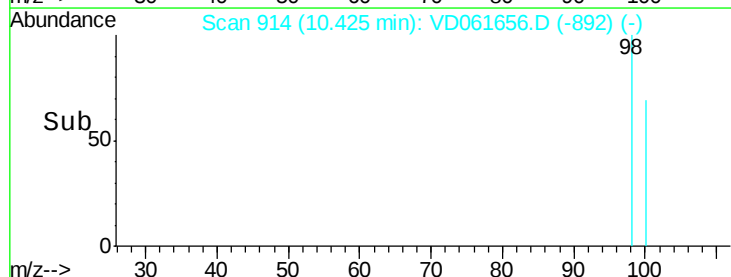
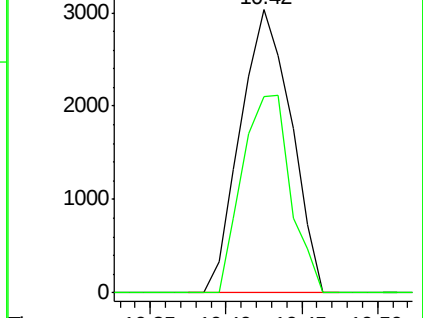
98 100

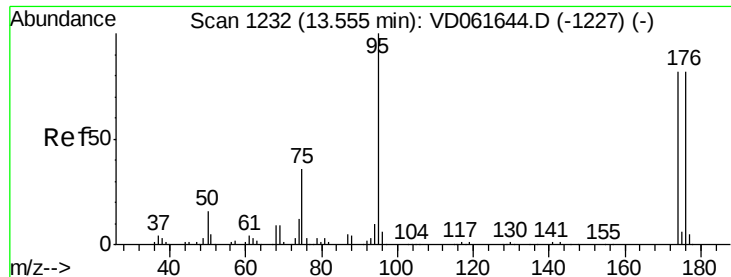
100 69.4 55.4 83.0



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

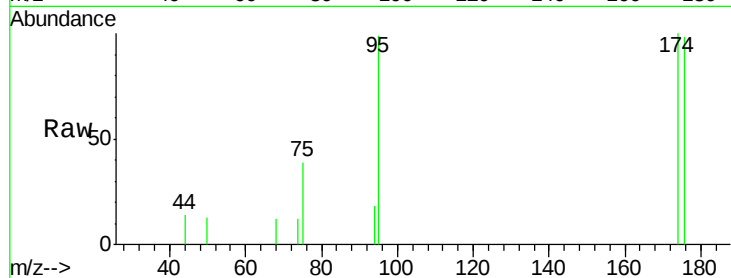
Tot Ion: 95 Resp: 4226

Ion Ratio Lower Upper

95 100

174 101.0 0.0 164.6

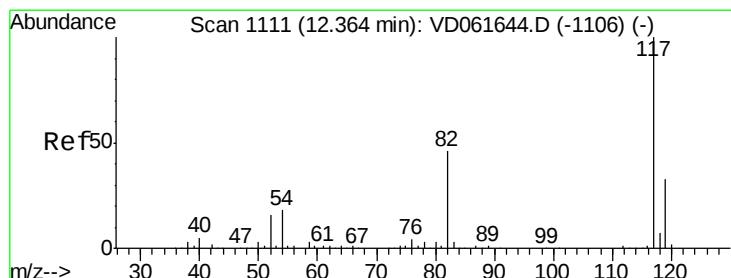
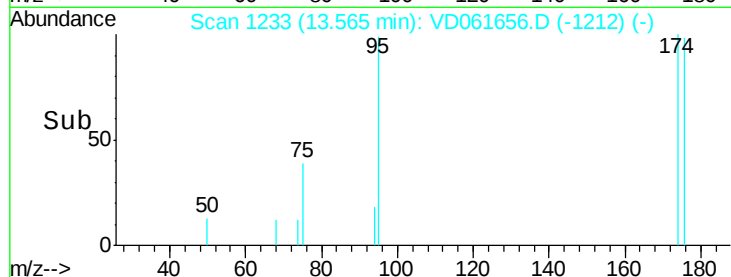
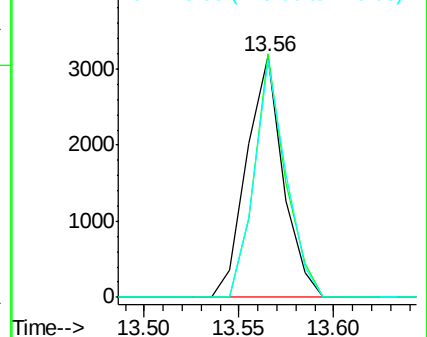
176 98.6 0.0 165.0



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

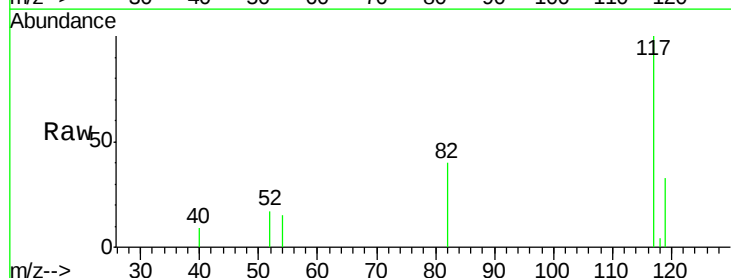
Tgt Ion: 117 Resp: 12499

Ion Ratio Lower Upper

117 100

82 40.3 36.8 55.2

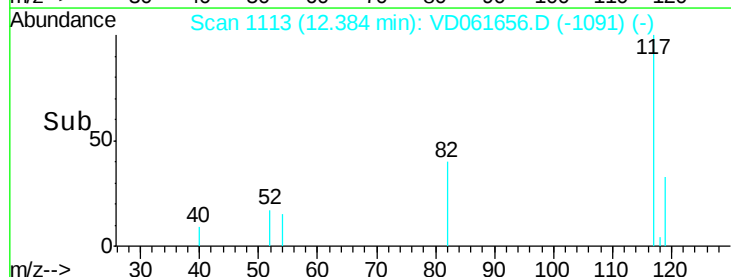
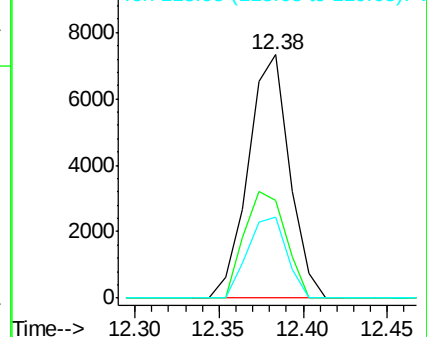
119 33.3 26.1 39.1

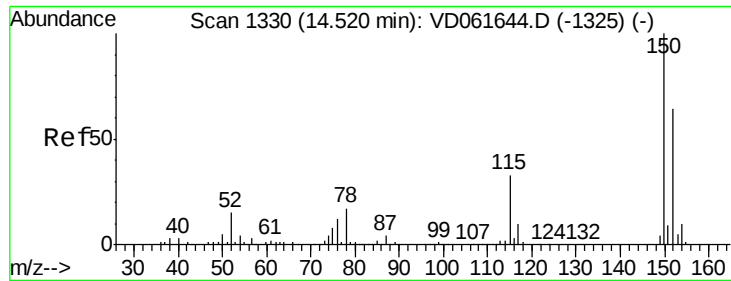


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

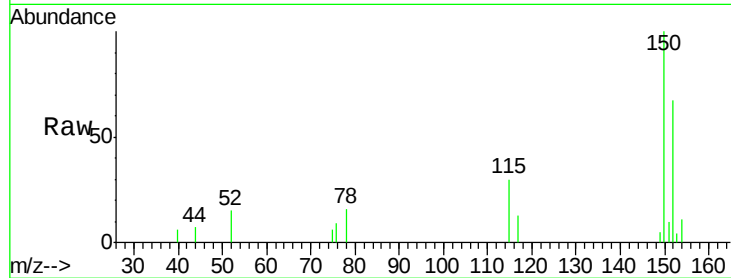
Tot Ion:152 Resp: 6022

Ion Ratio Lower Upper

152 100

115 45.3 26.4 79.2

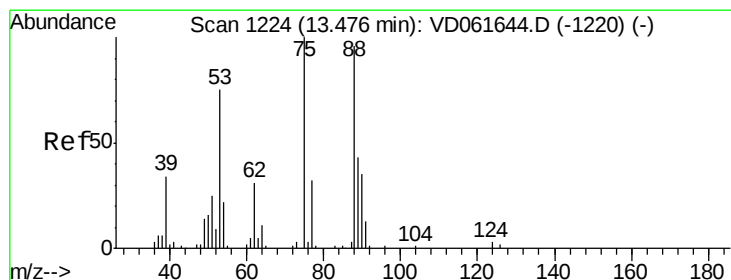
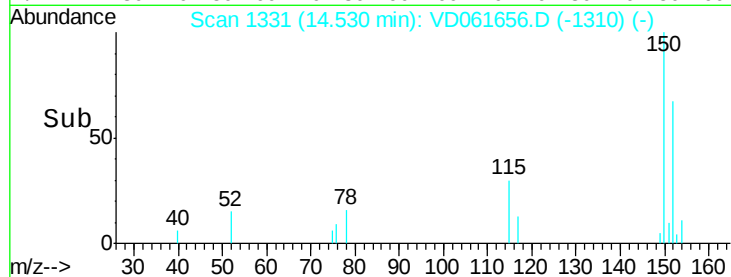
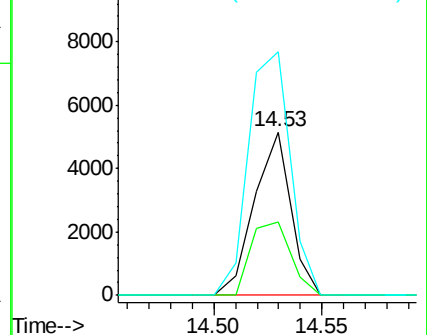
150 149.4 0.0 320.6



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: 56.673 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

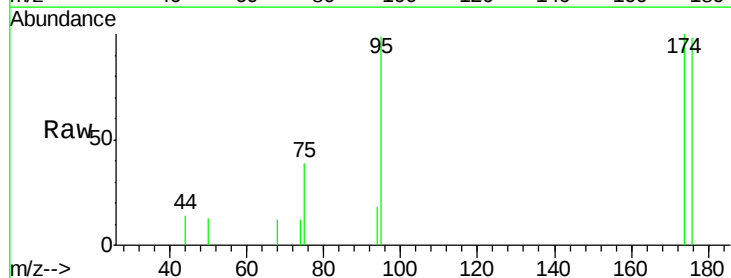
Tgt Ion: 75 Resp: 1409

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

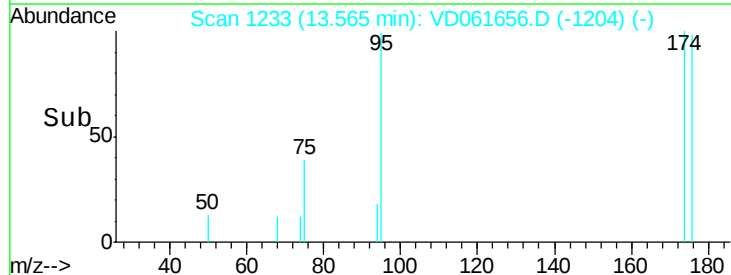
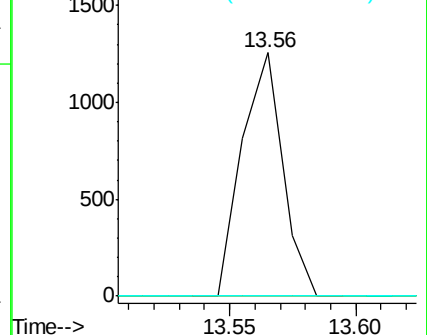
89 0.0 34.2 51.2#

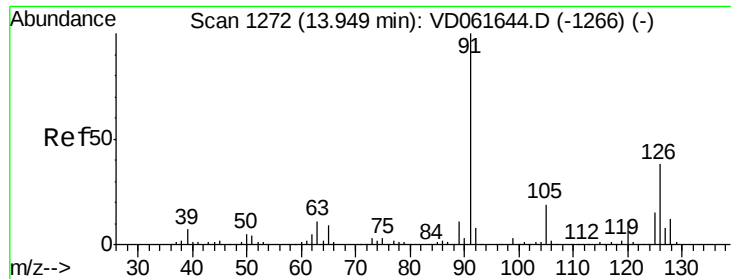


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

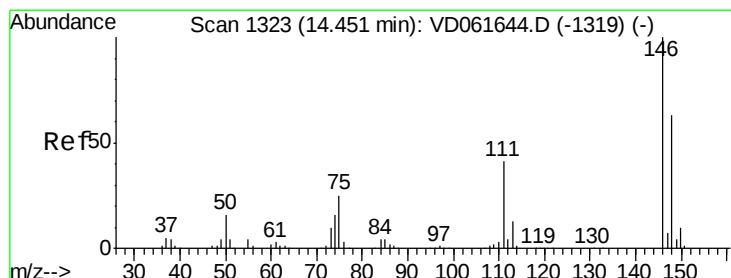
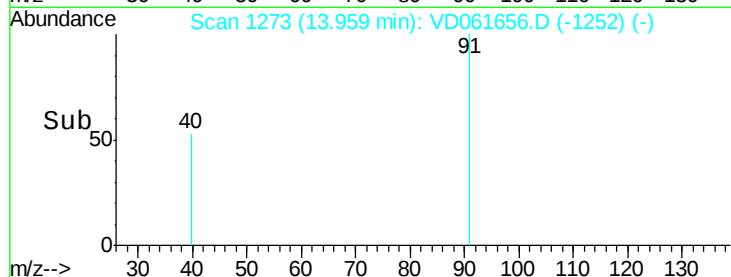
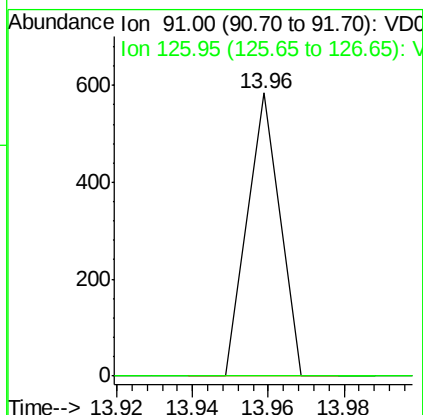
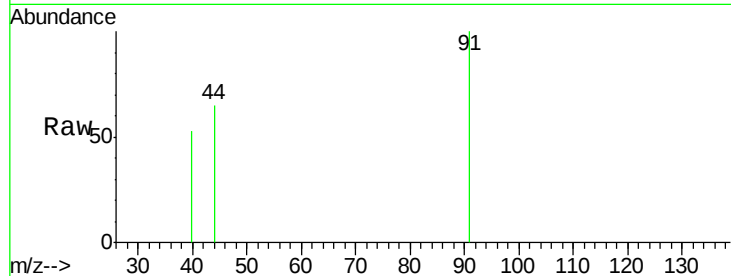




#82
4-Chlorotoluene
Concen: 1.147 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061656.D
Acq: 8 Apr 2019 17:44

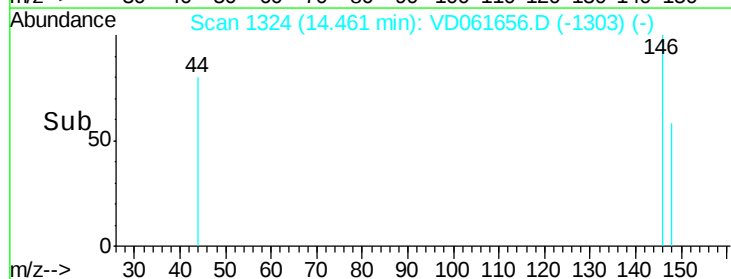
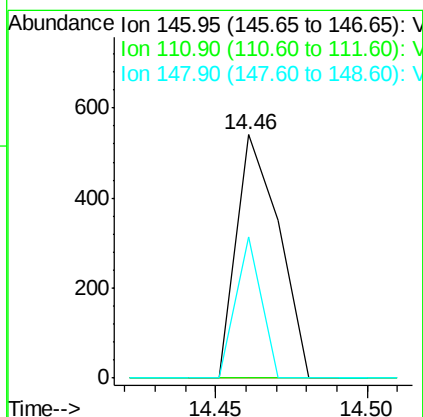
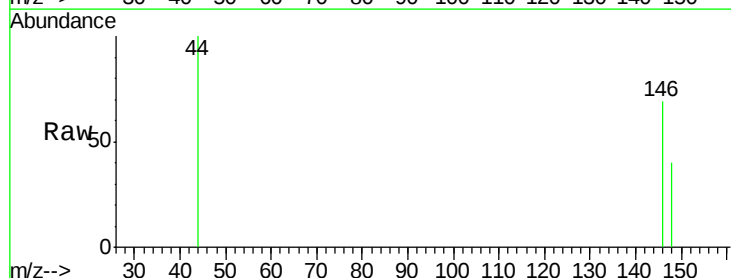
Instrument :
MSVOA_D
ClientSampleId :

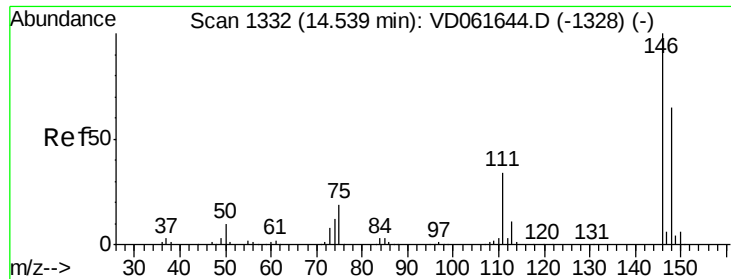
Tot Ion: 91 Resp: 345
Ion Ratio Lower Upper
91 100
126 0.0 19.0 57.0#



#87
1,3-Dichlorobenzene
Concen: 2.624 ug/l
RT: 14.46 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VD061656.D
Acq: 8 Apr 2019 17:44

Tgt Ion: 146 Resp: 526
Ion Ratio Lower Upper
146 100
111 0.0 20.3 61.0#
148 58.2 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 1.068 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

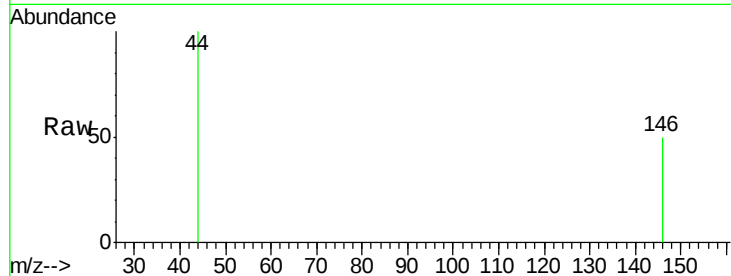
Tot Ion:146 Resp: 216

Ion Ratio Lower Upper

146 100

111 0.0 17.1 51.2#

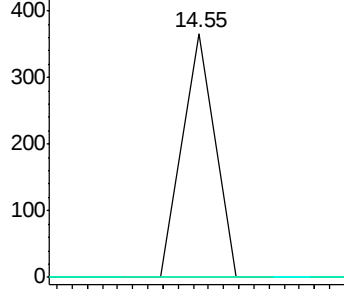
148 0.0 32.6 97.7#



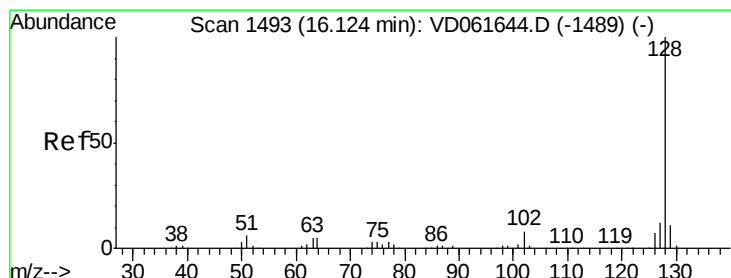
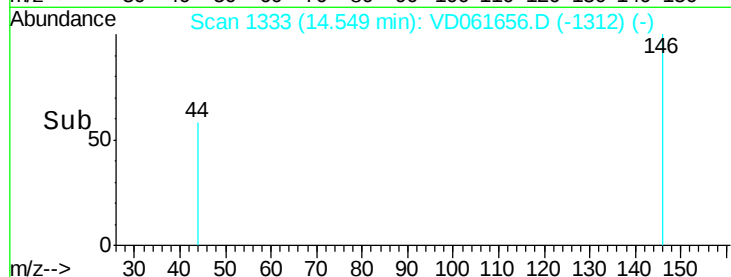
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#95

Naphthalene

Concen: 3.026 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061656.D

Acq: 8 Apr 2019 17:44

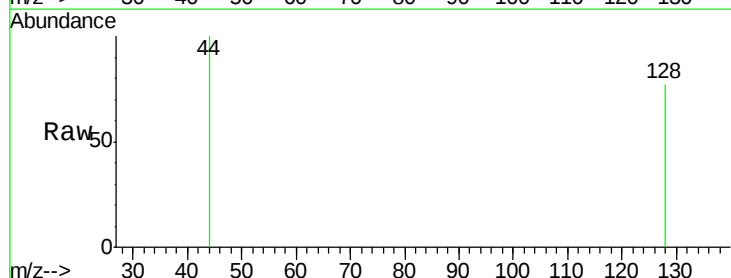
Tgt Ion:128 Resp: 403

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.2#

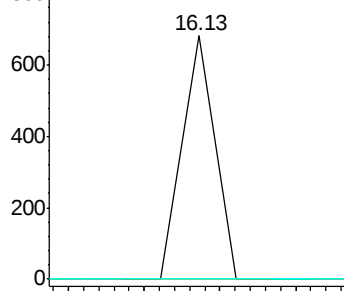
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->

