

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058335.D
 Acq On : 23 Jun 2018 11:19
 Operator : VA/AP
 Sample : J3642-01
 Misc : 6.41g/5ml/MSVOA D/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-1

Quant Time: Jun 25 00:57:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

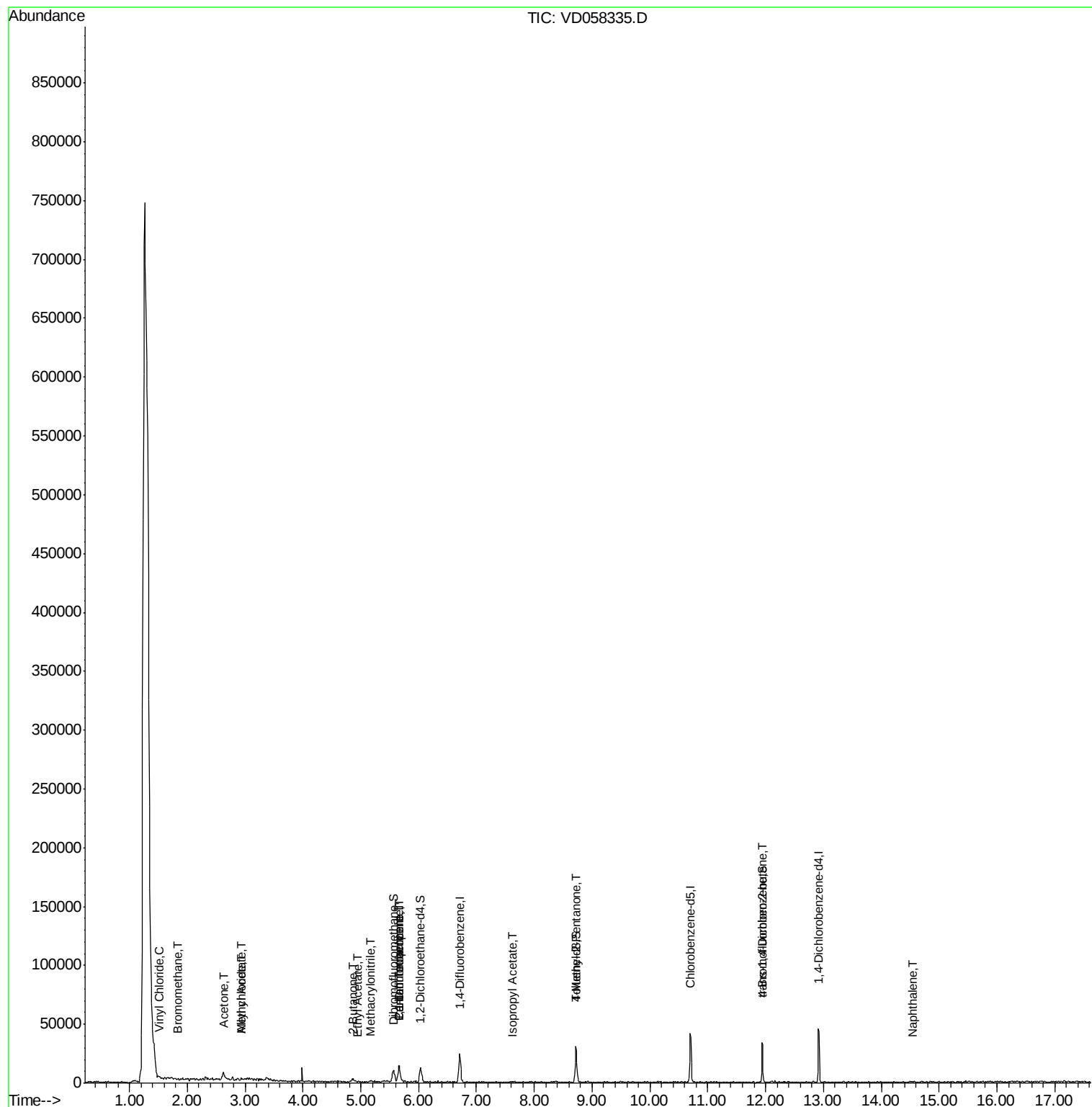
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	17744	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	26474	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	23772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	11473	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	12966	72.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	144.68%	
35) Dibromofluoromethane	5.57	113	9131	42.38	ug/l	0.02
Spiked Amount 50.000			Recovery	=	84.76%	
50) Toluene-d8	8.72	98	23900	45.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.70%	
62) 4-Bromofluorobenzene	11.95	95	9755	45.81	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.62%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.52	62	216	2.324	ug/l #	44
5) Bromomethane	1.84	94	188	4.897	ug/l #	3
14) Allyl chloride	2.92	41	240	1.692	ug/l #	83
16) Acetone	2.62	43	9009	367.553	ug/l #	92
18) Methyl Acetate	2.93	43	435	8.322	ug/l #	65
25) 2-Butanone	4.87	43	1617	30.269	ug/l #	60
36) 1,1-Dichloropropene	5.67	75	1231	4.700	ug/l #	43
37) Ethyl Acetate	4.95	43	225	1.508	ug/l #	72
38) Carbon Tetrachloride	5.68	117	520	1.998	ug/l #	11
41) Methacrylonitrile	5.17	41	203	2.817	ug/l #	30
43) Isopropyl Acetate	7.62	43	253	1.272	ug/l #	48
51) 4-Methyl-2-Pentanone	8.72	43	292	2.250	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.94	75	5003	122.460	ug/l #	1
82) 4-Chlorotoluene	12.33	91	199	Below Cal	#	45
95) Naphthalene	14.53	128	885	2.311	ug/l #	70

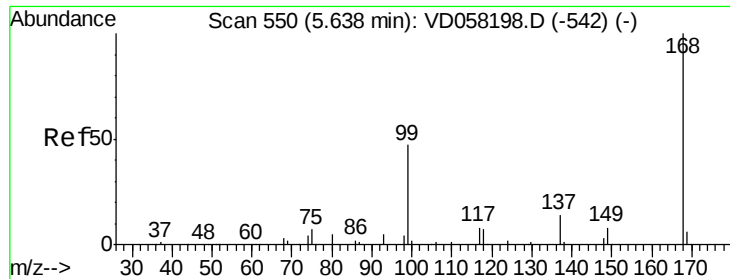
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058335.D
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Quant Time: Jun 25 00:57:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

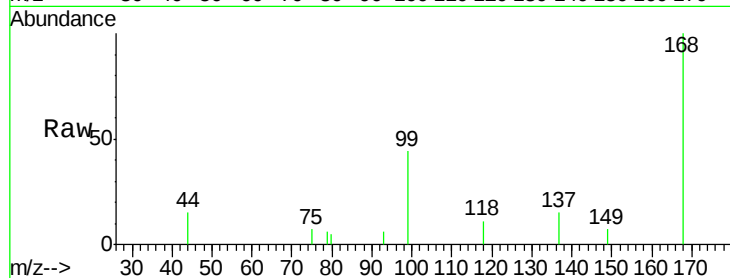
TEST-PIT-1

Tot Ion:168 Resp: 17744

Ion Ratio Lower Upper

168 100

99 43.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

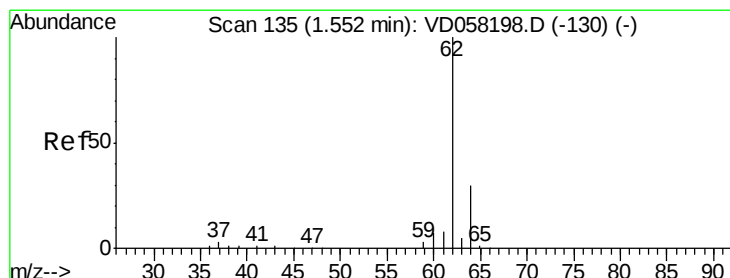
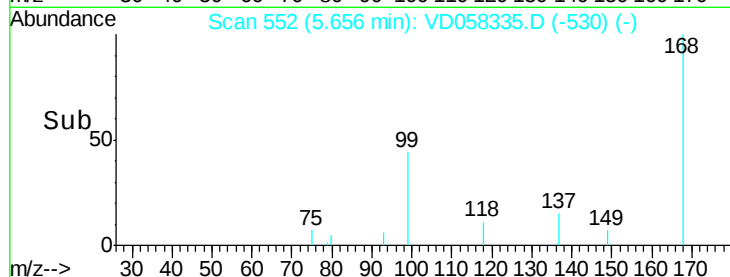
6000

4000

2000

0

Time-->



#4

Vinyl Chloride

Concen: 2.324 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.03 min

Lab File: VD058335.D

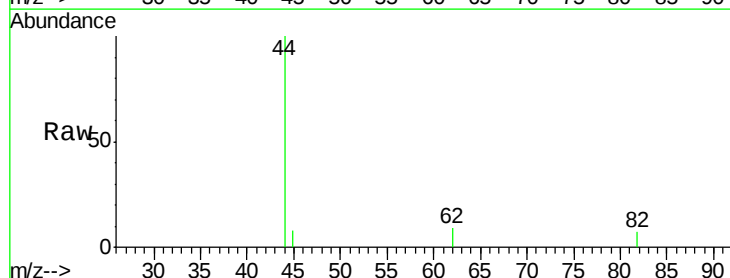
Acq: 23 Jun 2018 11:19

Tgt Ion: 62 Resp: 216

Ion Ratio Lower Upper

62 100

64 0.0 24.4 36.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.52

400

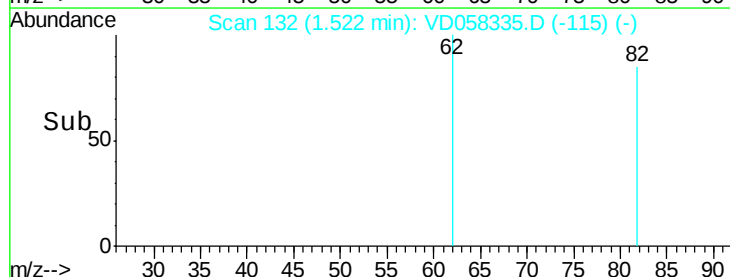
300

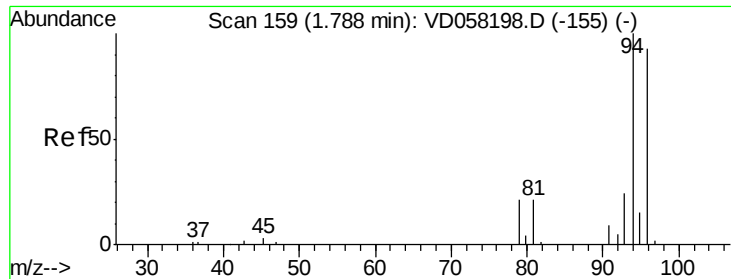
200

100

0

Time-->





#5

Bromomethane

Concen: 4.897 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.05 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

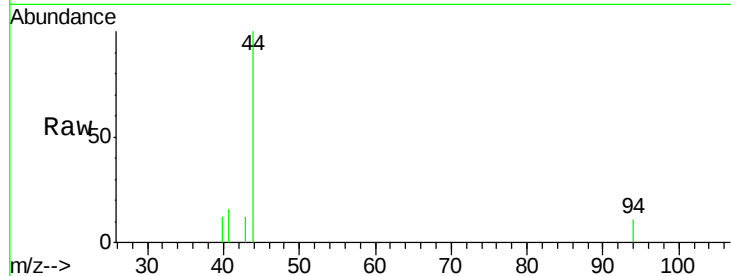
TEST-PIT-1

Tot Ion: 94 Resp: 188

Ion Ratio Lower Upper

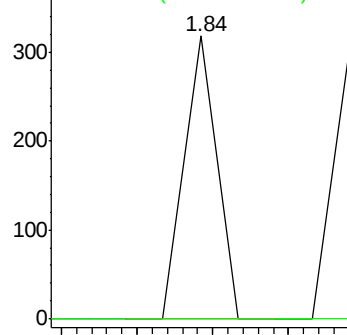
94 100

96 0.0 74.2 111.2#

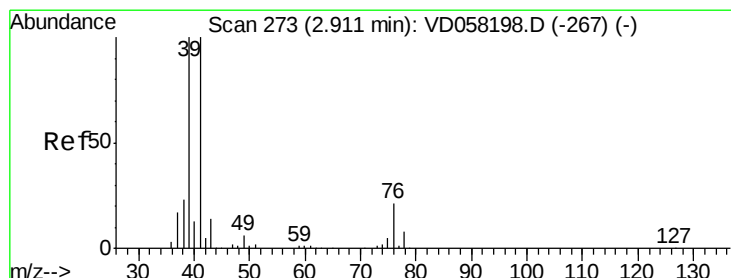
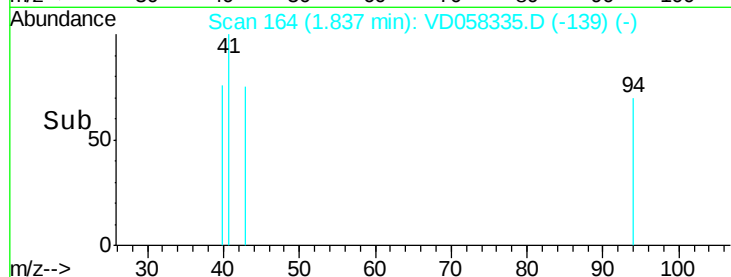


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#14

Allyl chloride

Concen: 1.692 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

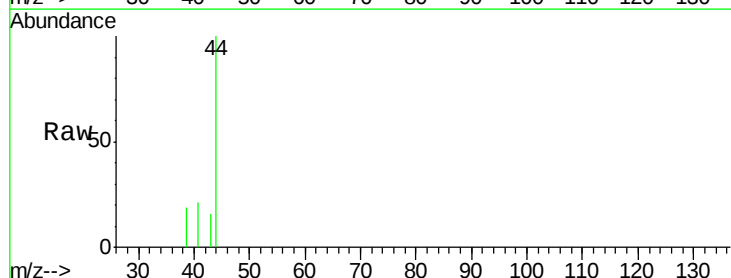
Tgt Ion: 41 Resp: 240

Ion Ratio Lower Upper

41 100

39 90.4 80.1 120.1

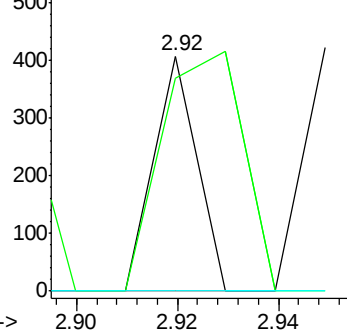
76 0.0 19.4 29.2#



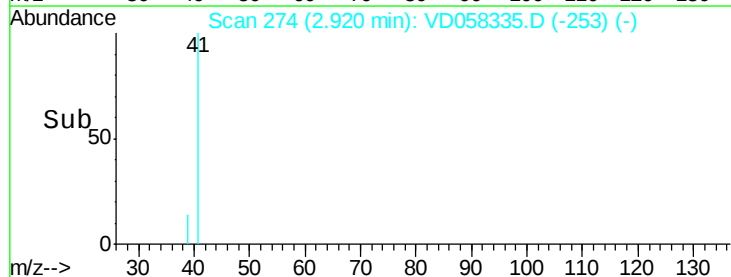
Abundance Ion 41.05 (40.75 to 41.75): VDC

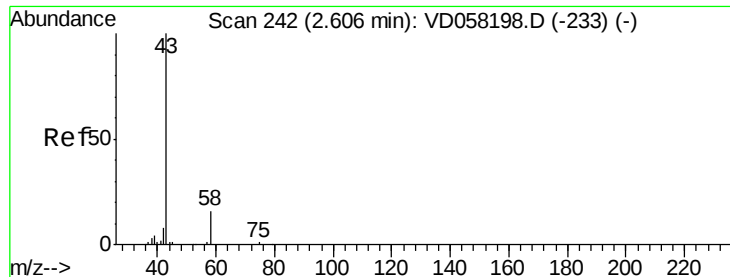
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



Time-->

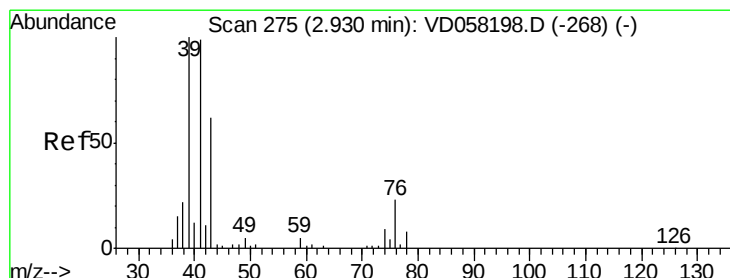
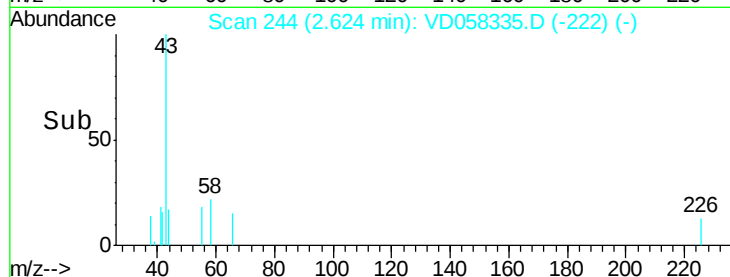
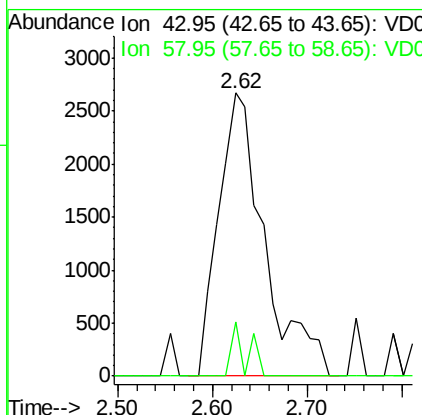
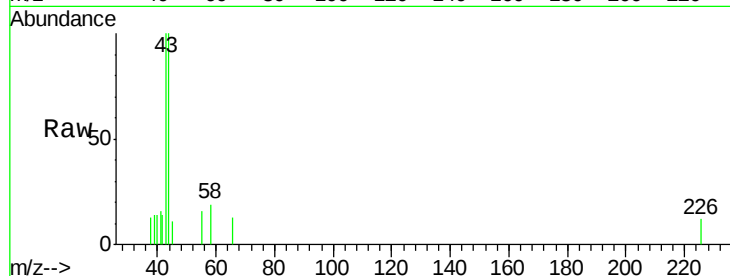




#16
Acetone
Concen: 367.553 ug/l
RT: 2.62 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD058335.D
Acq: 23 Jun 2018 11:19

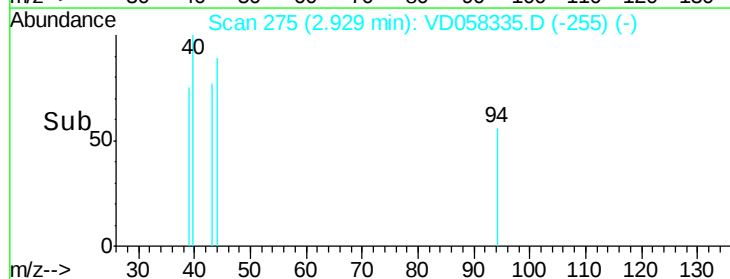
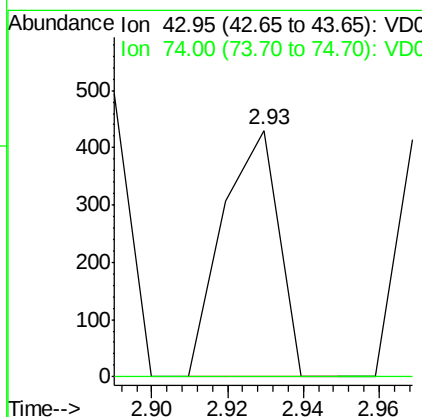
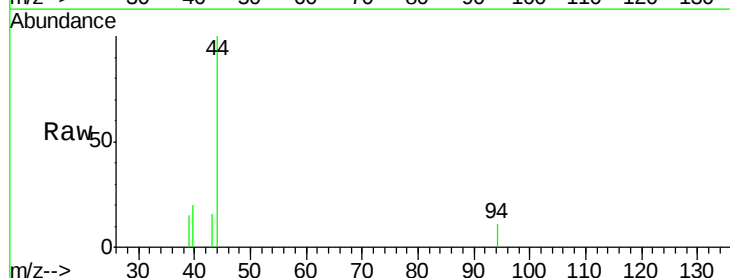
Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-1

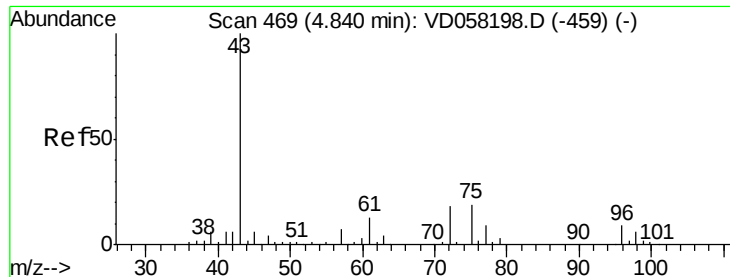
Tot Ion: 43 Resp: 9009
Ion Ratio Lower Upper
43 100
58 19.2 12.7 19.1#



#18
Methyl Acetate
Concen: 8.322 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.00 min
Lab File: VD058335.D
Acq: 23 Jun 2018 11:19

Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#





#25

2-Butanone

Concen: 30.269 ug/l

RT: 4.87 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

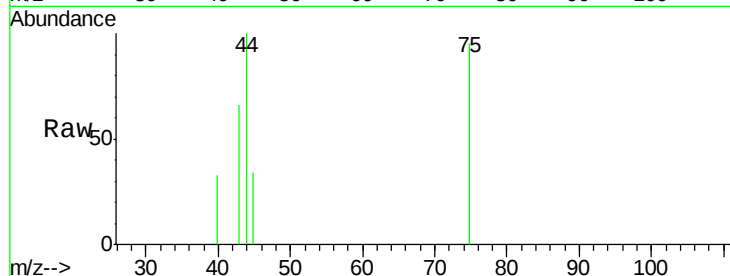
TEST-PIT-1

Tot Ion: 43 Resp: 1617

Ion Ratio Lower Upper

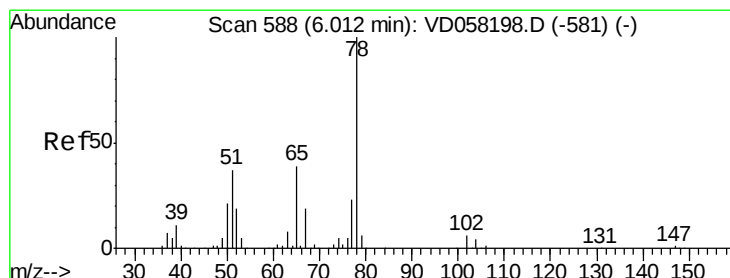
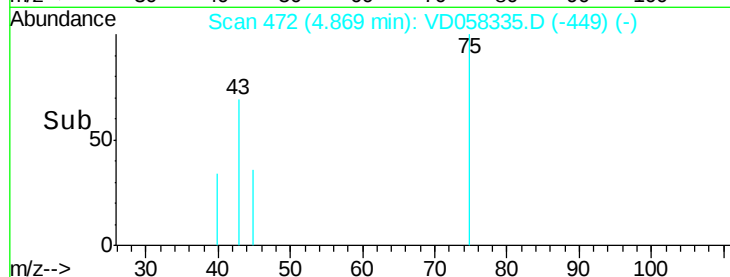
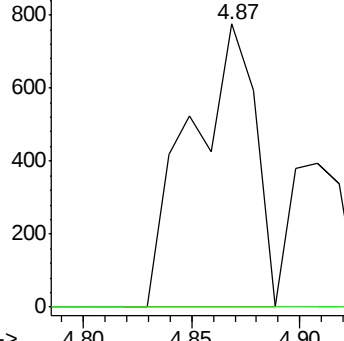
43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058335.D

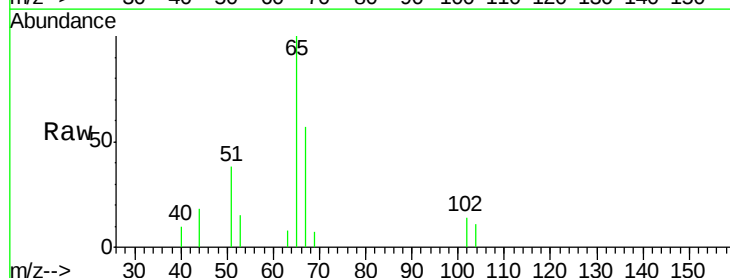
Acq: 23 Jun 2018 11:19

Tgt Ion: 65 Resp: 12966

Ion Ratio Lower Upper

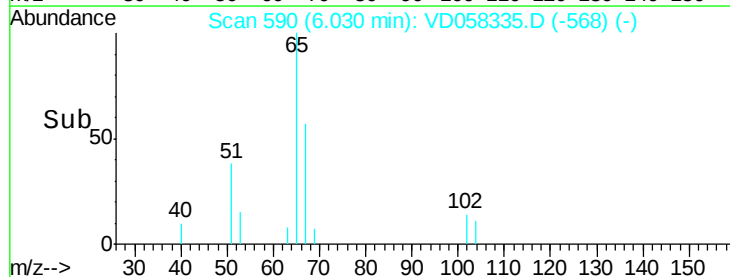
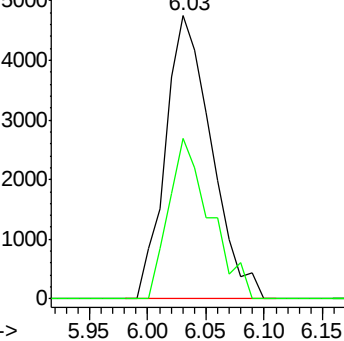
65 100

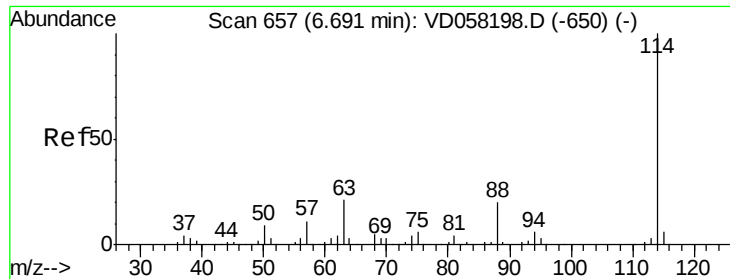
67 56.7 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

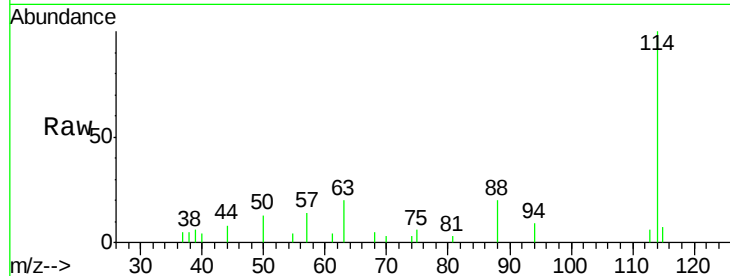




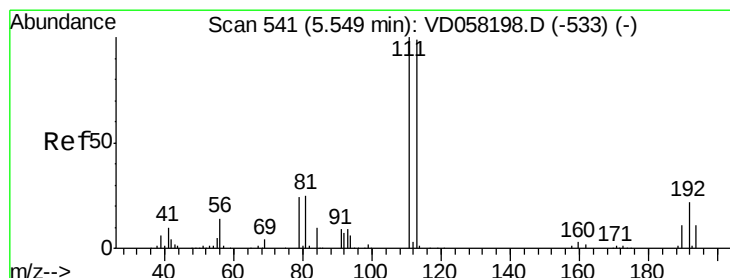
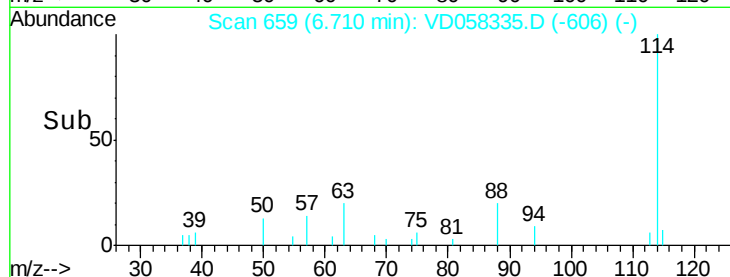
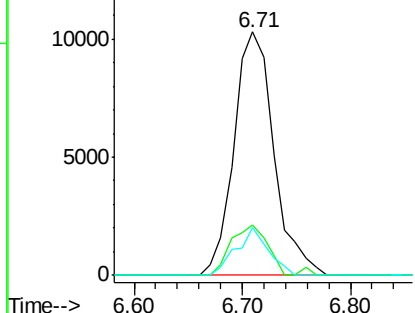
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058335.D
 Acq: 23 Jun 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-1

Tot Ion:114 Resp: 26474
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 19.7 0.0 40.6

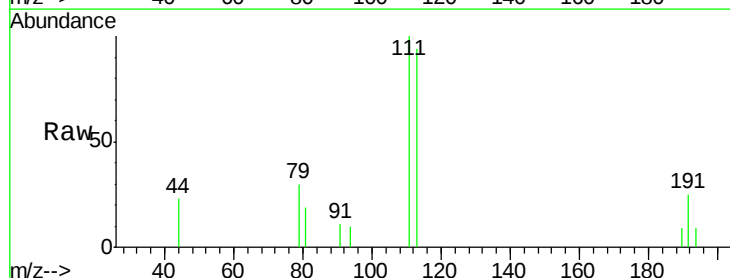


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

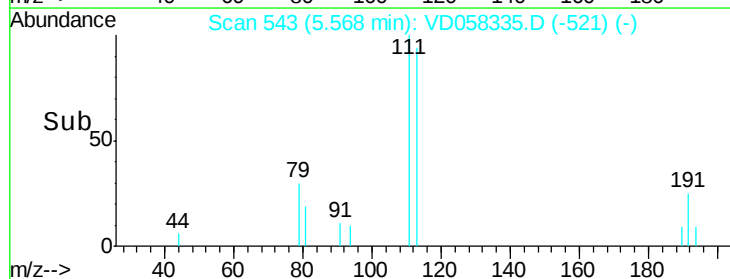
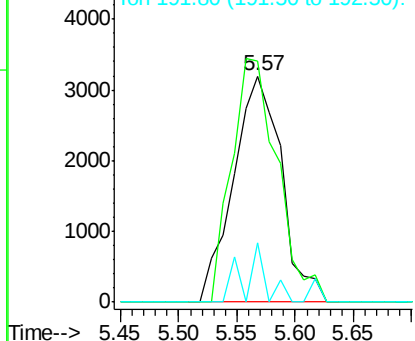


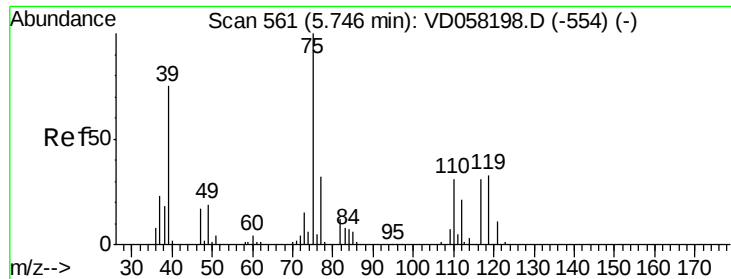
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058335.D
 Acq: 23 Jun 2018 11:19

Tgt Ion:113 Resp: 9131
 Ion Ratio Lower Upper
 113 100
 111 106.6 80.6 121.0
 192 26.1 17.8 26.6



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

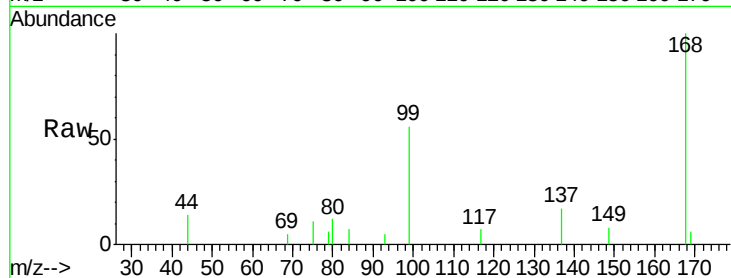




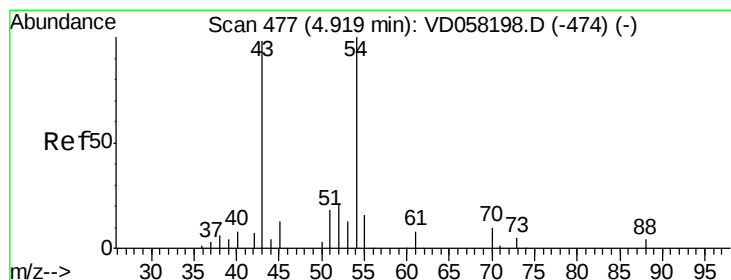
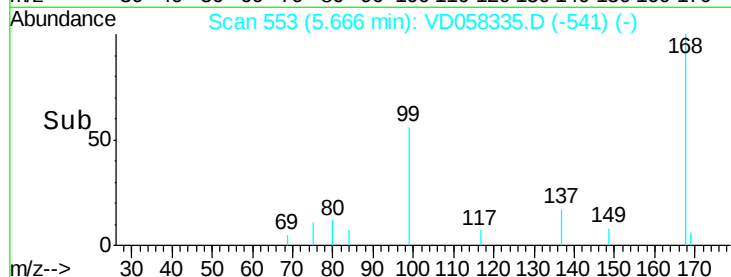
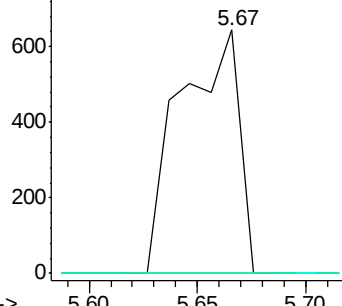
#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 5.67 min Scan# 553
 Delta R.T. -0.08 min
 Lab File: VD058335.D
 Acq: 23 Jun 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-1

Tot Ion: 75 Resp: 1231
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.4 46.4#
 77 0.0 25.4 38.2#

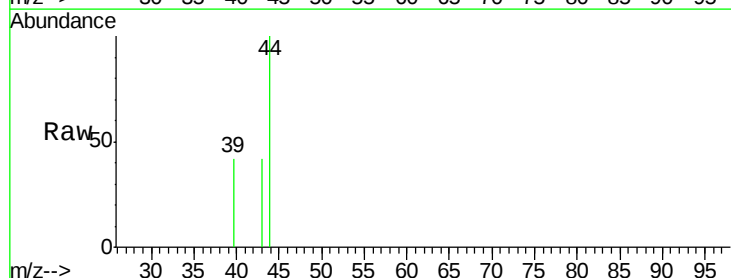


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

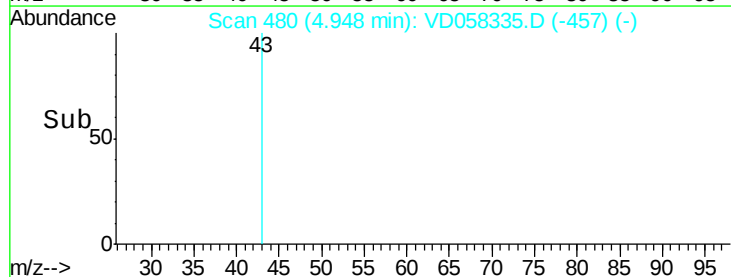
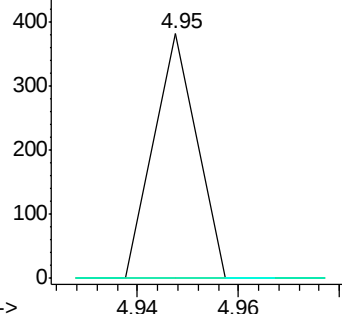


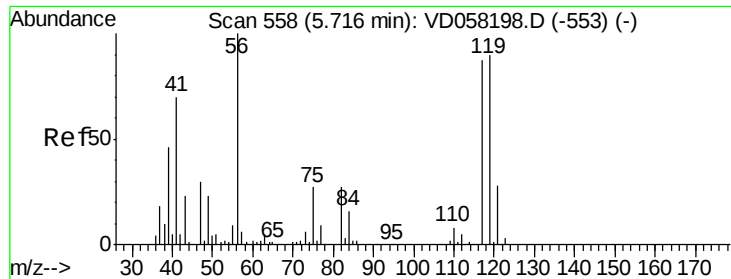
#37
 Ethyl Acetate
 Concen: 1.508 ug/l
 RT: 4.95 min Scan# 480
 Delta R.T. 0.03 min
 Lab File: VD058335.D
 Acq: 23 Jun 2018 11:19

Tgt Ion: 43 Resp: 225
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.3 15.5#
 70 0.0 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 1.998 ug/l

RT: 5.68 min Scan# 554

Delta R.T. -0.04 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-1

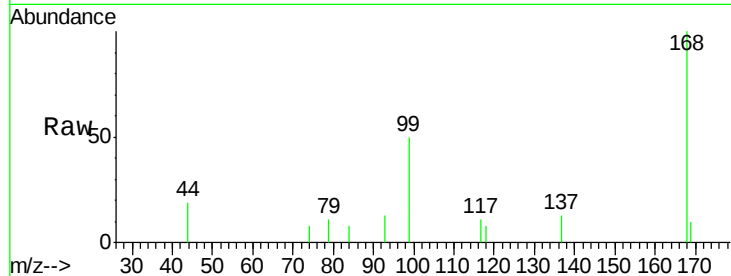
Tot Ion:117 Resp: 520

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

121 0.0 25.0 37.6#



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

5.68

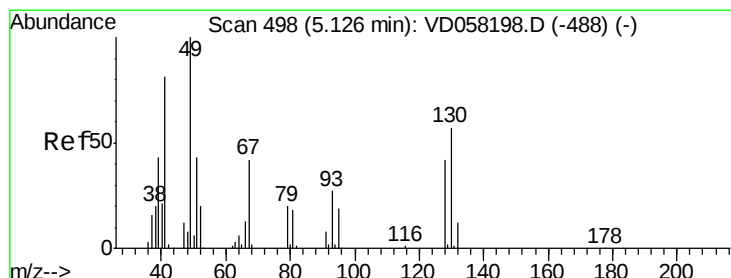
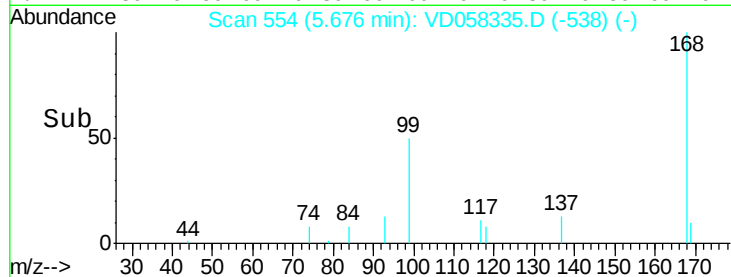
400

200

0

5.64 5.66 5.68 5.70

Time-->



#41

Methacrylonitrile

Concen: 2.817 ug/l

RT: 5.17 min Scan# 503

Delta R.T. 0.05 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Tgt Ion: 41 Resp: 203

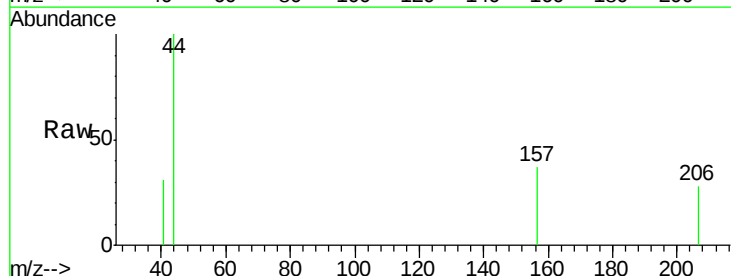
Ion Ratio Lower Upper

41 100

39 0.0 43.4 65.2#

67 0.0 41.7 62.5#

52 0.0 20.6 30.8#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

5.17

400

300

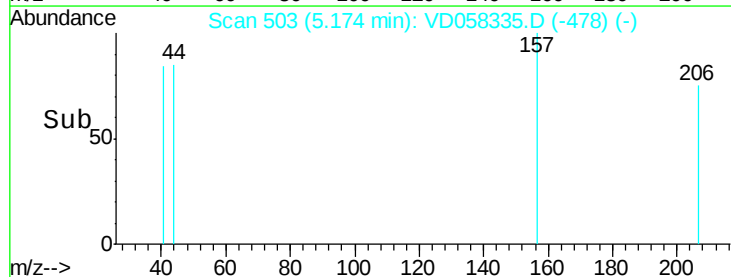
200

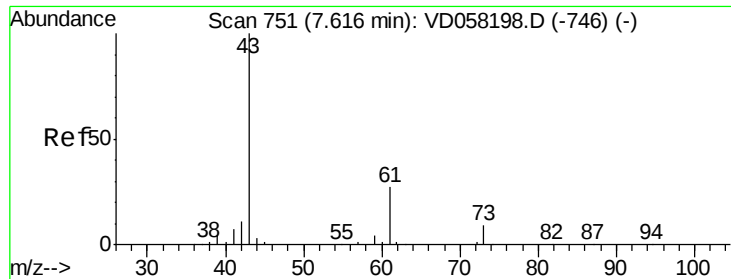
100

0

5.14 5.16 5.18 5.20

Time-->





#43

Isopropyl Acetate

Concen: 1.272 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-1

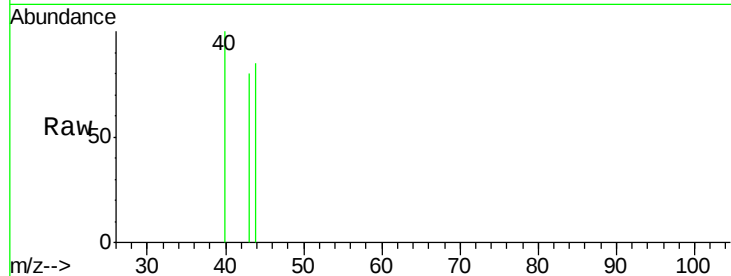
Tot Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

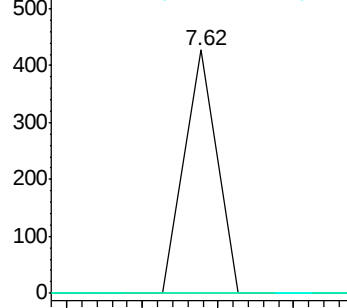
87 0.0 0.3 0.5#



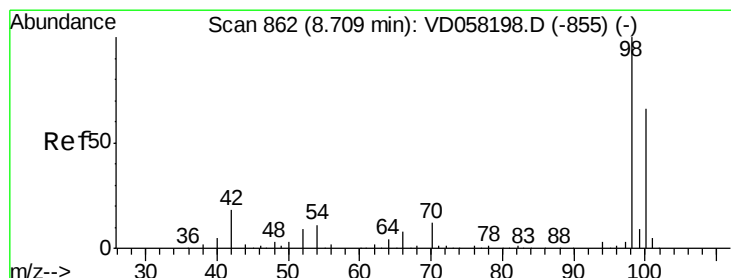
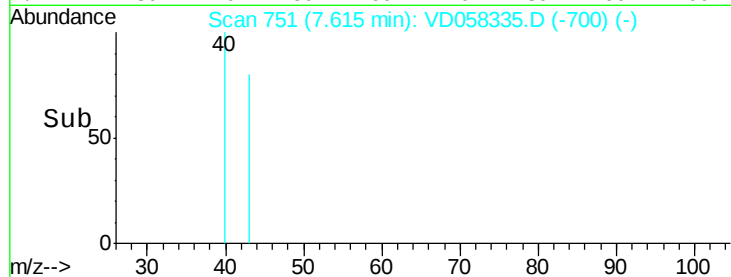
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



Time--> 7.58 7.60 7.62 7.64



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058335.D

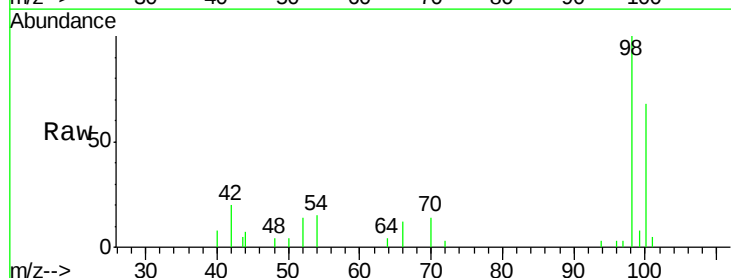
Acq: 23 Jun 2018 11:19

Tgt Ion: 98 Resp: 23900

Ion Ratio Lower Upper

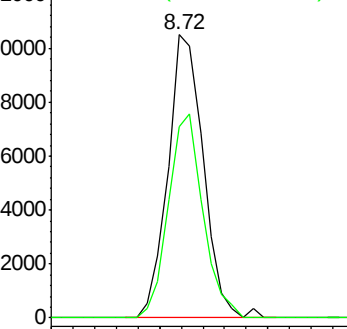
98 100

100 67.7 53.6 80.4

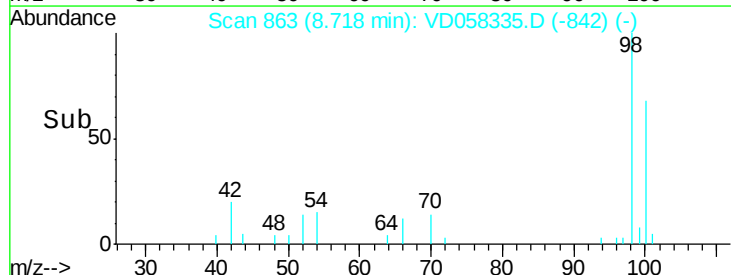


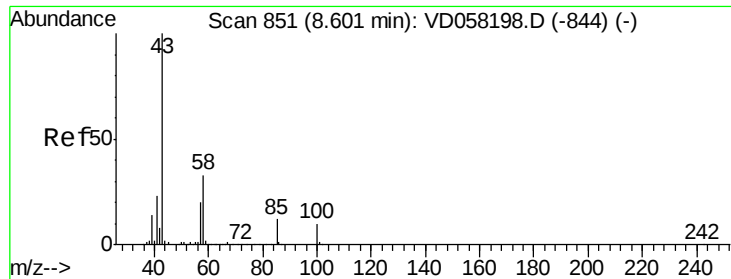
Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



Time--> 8.60 8.70 8.80





#51

4-Methyl-2-Pentanone

Concen: 2.250 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.12 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

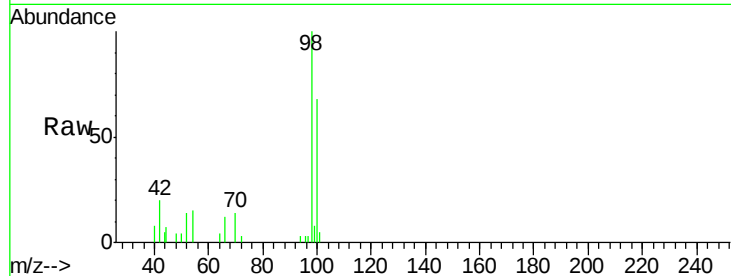
TEST-PIT-1

Tot Ion: 43 Resp: 292

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.72

500

400

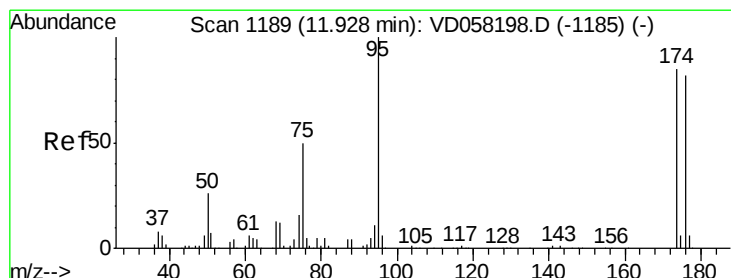
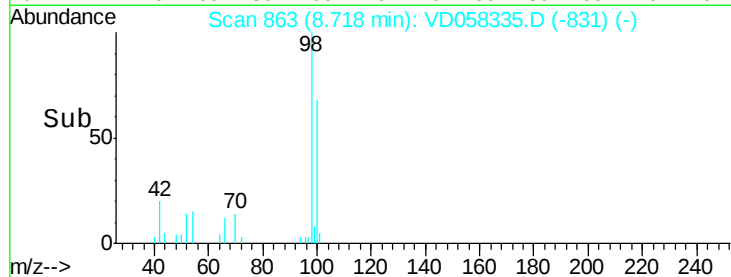
300

200

100

0

Time--> 8.68 8.70 8.72 8.74



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.95 min Scan# 1191

Delta R.T. 0.02 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

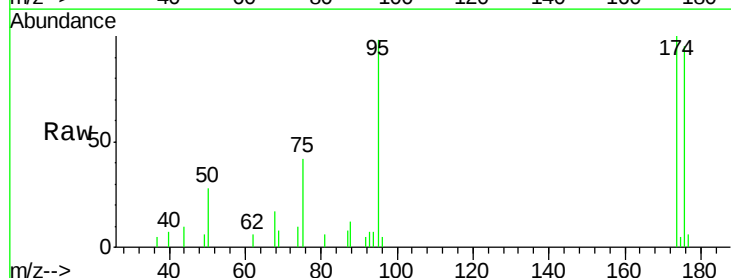
Tgt Ion: 95 Resp: 9755

Ion Ratio Lower Upper

95 100

174 102.5 0.0 170.2

176 97.0 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

8000

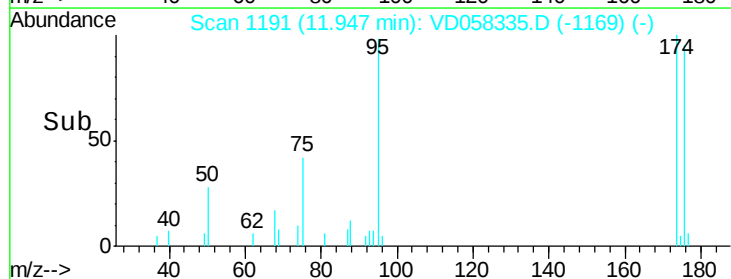
6000

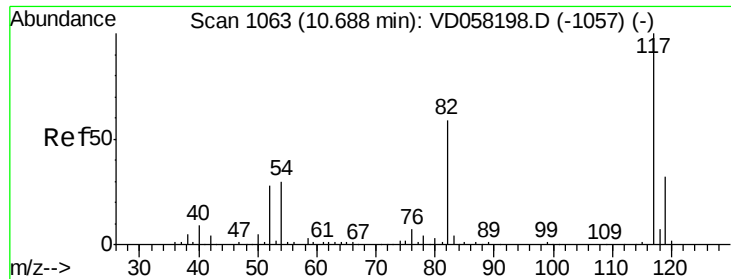
4000

2000

0

Time--> 11.90 11.95 12.00





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-1

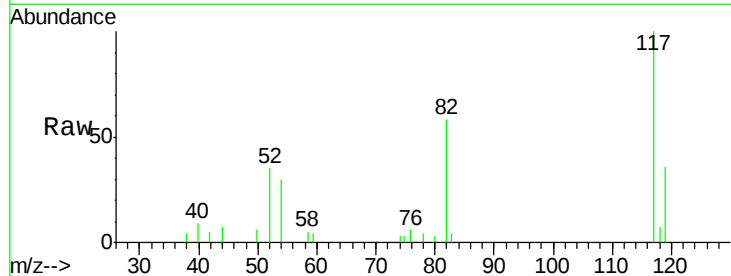
Tot Ion:117 Resp: 23772

Ion Ratio Lower Upper

117 100

82 58.2 47.0 70.6

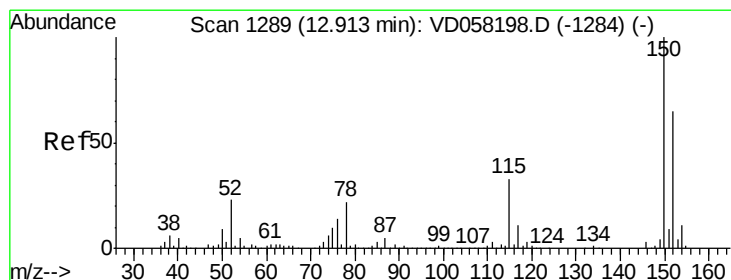
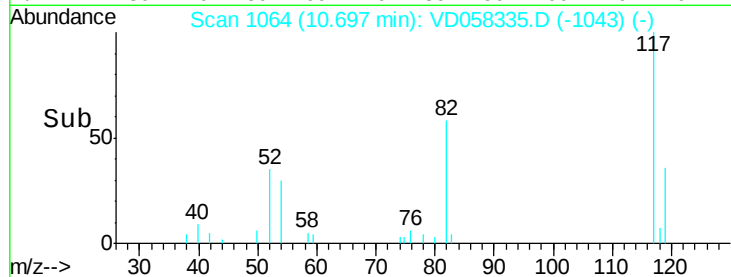
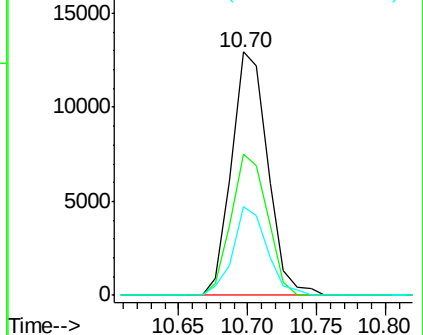
119 36.4 25.3 37.9



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: 12.92 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

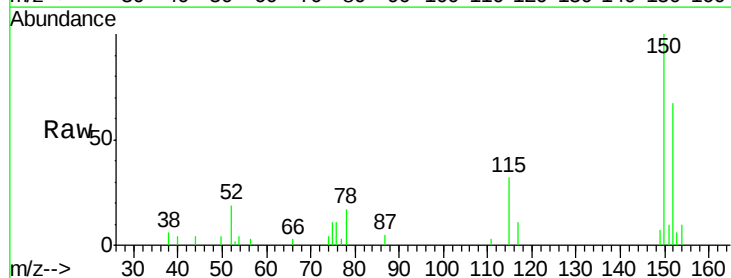
Tgt Ion:152 Resp: 11473

Ion Ratio Lower Upper

152 100

115 48.0 25.1 75.3

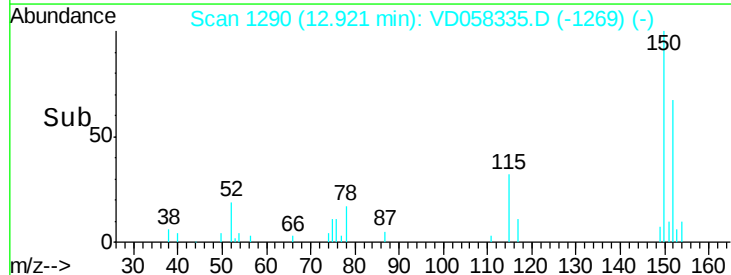
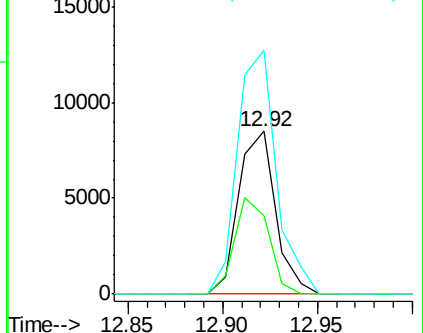
150 149.5 0.0 308.8

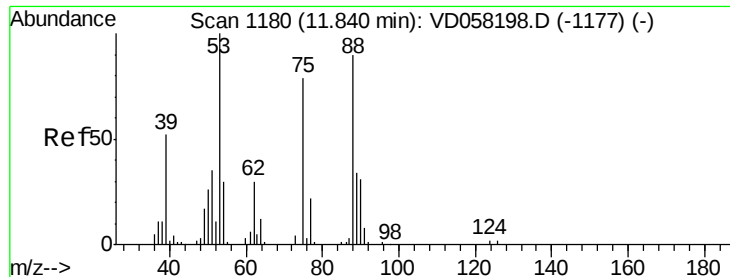


Abundance Ion 151.90 (151.60 to 152.60): V

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: 122.460 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-1

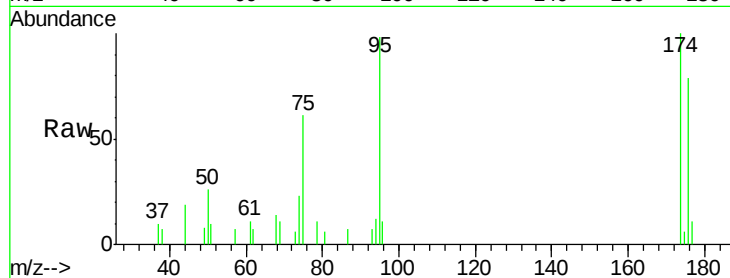
Tot Ion: 75 Resp: 5003

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

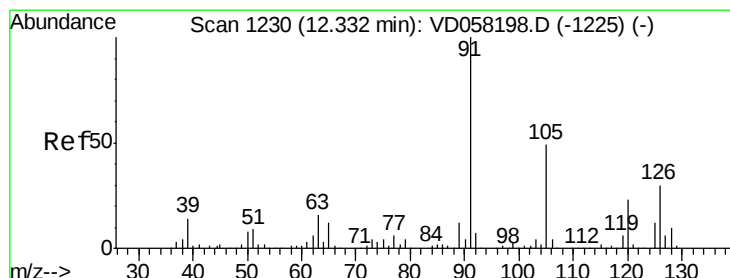
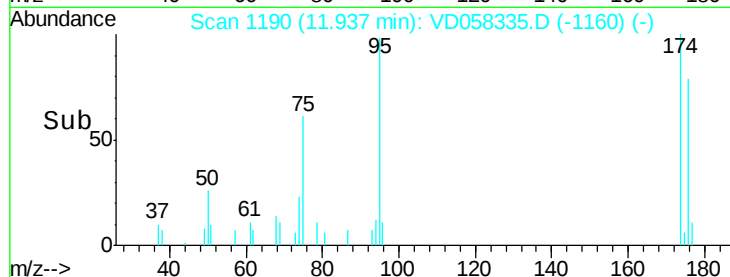
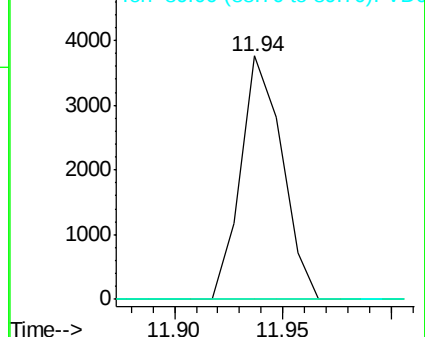
89 0.0 34.6 52.0#



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# 1230

Delta R.T. -0.00 min

Lab File: VD058335.D

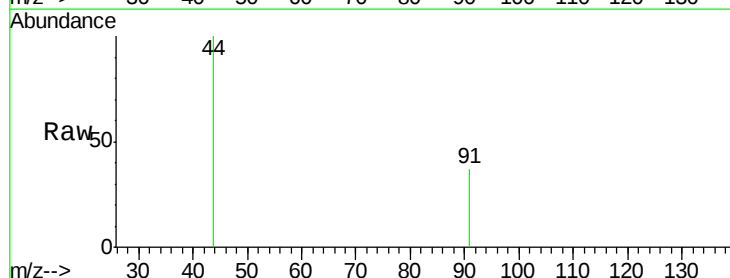
Acq: 23 Jun 2018 11:19

Tgt Ion: 91 Resp: 199

Ion Ratio Lower Upper

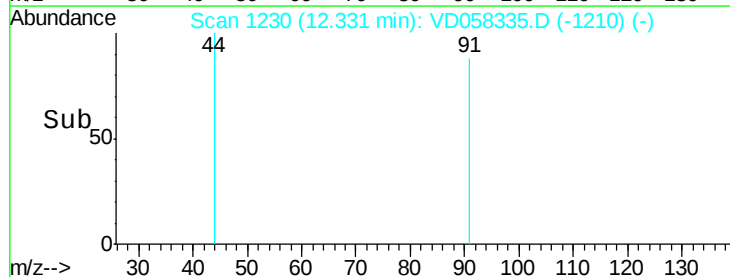
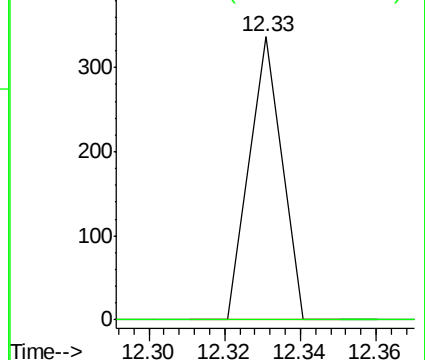
91 100

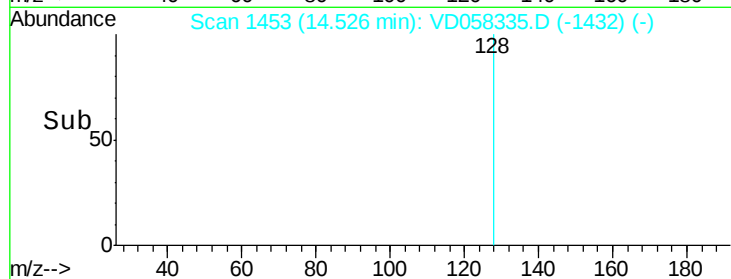
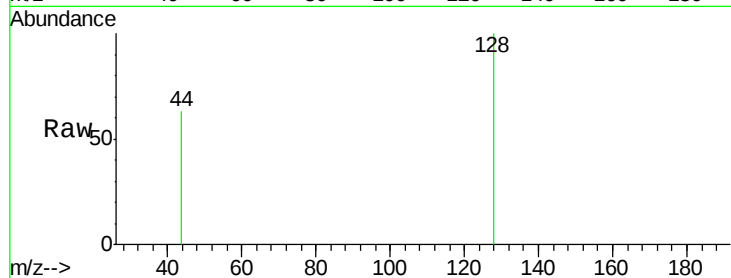
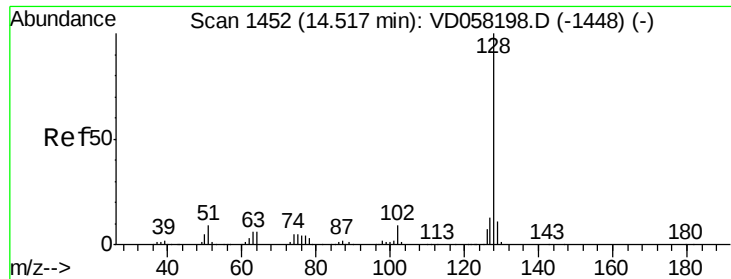
126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#95

Naphthalene

Concen: 2.311 ug/l

RT: 14.53 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD058335.D

Acq: 23 Jun 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-1

Tot Ion:128 Resp: 885

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

