

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD058001.D
 Acq On : 8 Jun 2018 6:53
 Operator : JC/SY
 Sample : J3329-10RE
 Misc : 6.37g/5ml/MSVOA_D/SOIL
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-38(0-5)RE

Quant Time: Jun 08 08:46:32 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	25253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	49568	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	45090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	24221	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	30673	121.49	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	242.98%	
35) Dibromofluoromethane	5.54	113	21296	55.53	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	111.06%	
50) Toluene-d8	8.70	98	36682	40.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.46%	
62) 4-Bromofluorobenzene	11.92	95	20934	52.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.26%	

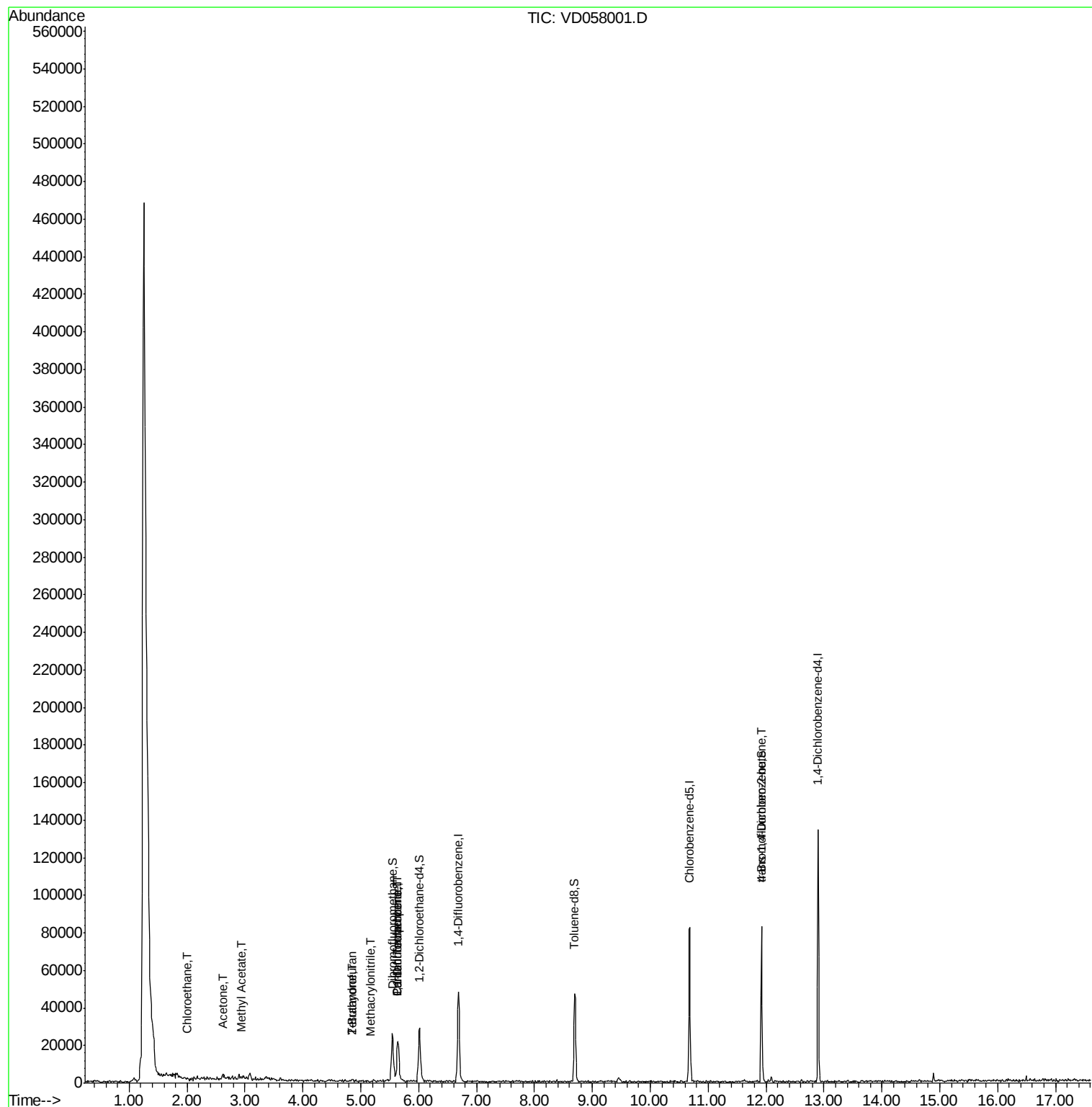
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.01	64	181	2.839	ug/l #	46
16) Acetone	2.62	43	3924	107.880	ug/l #	57
18) Methyl Acetate	2.94	43	489	6.950	ug/l #	66
25) 2-Butanone	4.86	43	207	2.504	ug/l #	64
29) Tetrahydrofuran	4.86	42	207	4.777	ug/l #	39
36) 1,1-Dichloropropene	5.62	75	2136	3.911	ug/l #	45
38) Carbon Tetrachloride	5.63	117	1589	2.952	ug/l #	12
41) Methacrylonitrile	5.17	41	286	2.099	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.92	75	10408	115.495	ug/l #	6
82) 4-Chlorotoluene	12.15	91	230	Below Cal	#	50

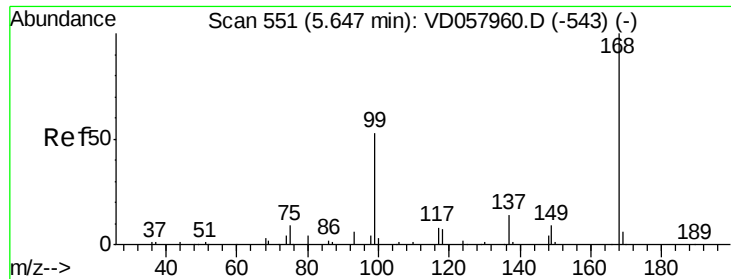
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD058001.D

Acq: 8 Jun 2018 6:53

Instrument :

MSVOA_D

ClientSampleId :

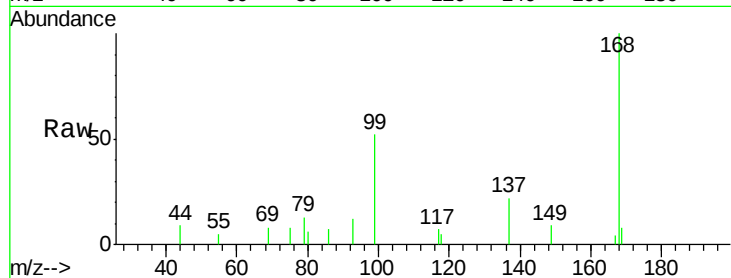
MH-38(0-5)RE

Tgt Ion:168 Resp: 25253

Ion Ratio Lower Upper

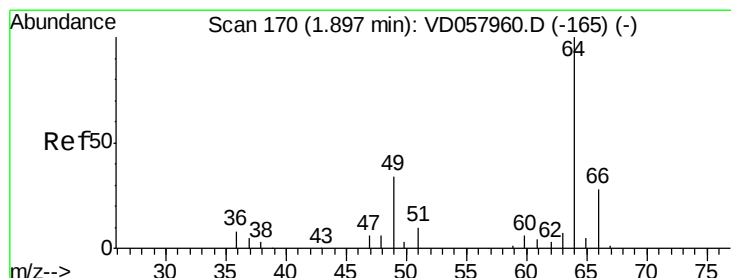
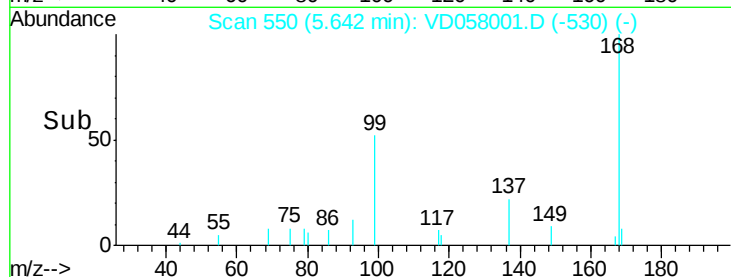
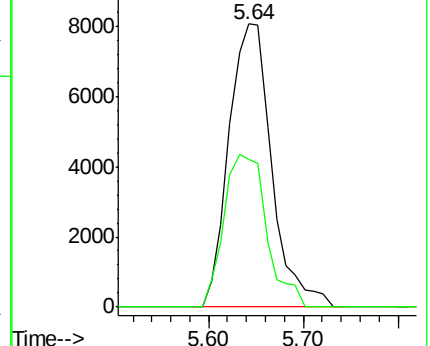
168 100

99 52.0 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: 2.839 ug/l

RT: 2.01 min Scan# 181

Delta R.T. 0.11 min

Lab File: VD058001.D

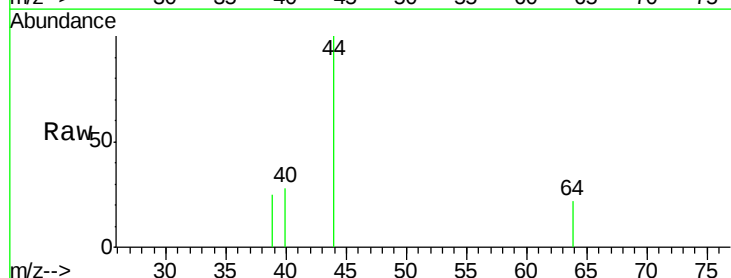
Acq: 8 Jun 2018 6:53

Tgt Ion: 64 Resp: 181

Ion Ratio Lower Upper

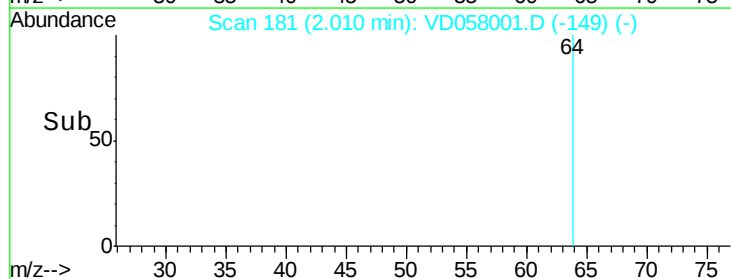
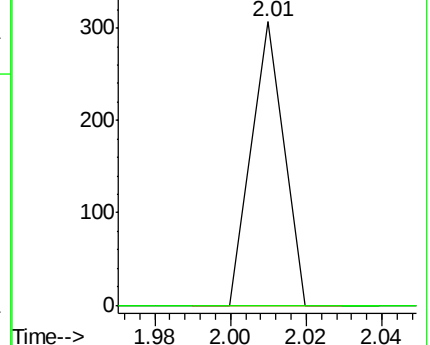
64 100

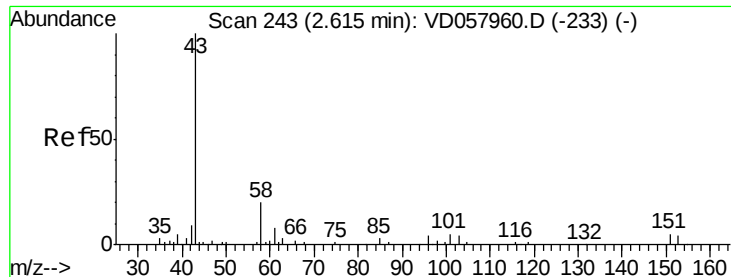
66 0.0 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#16

Acetone

Concen: 107.880 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

Instrument :

MSVOA_D

ClientSampleId :

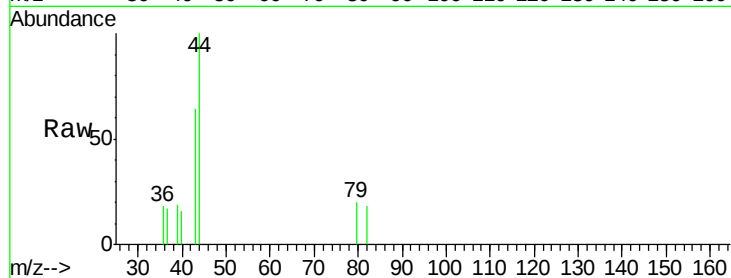
MH-38(0-5)RE

Tgt Ion: 43 Resp: 3924

Ion Ratio Lower Upper

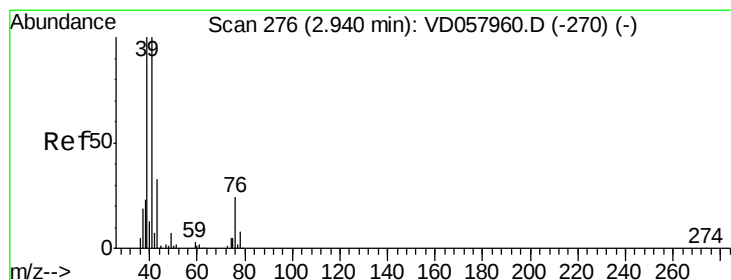
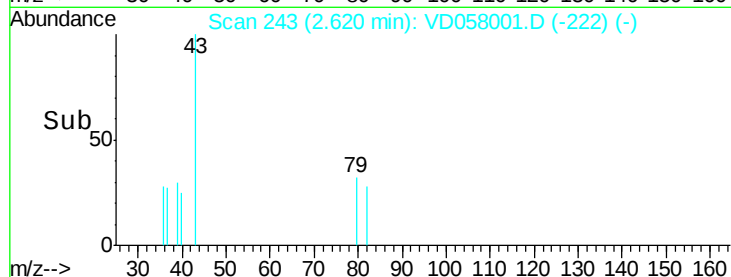
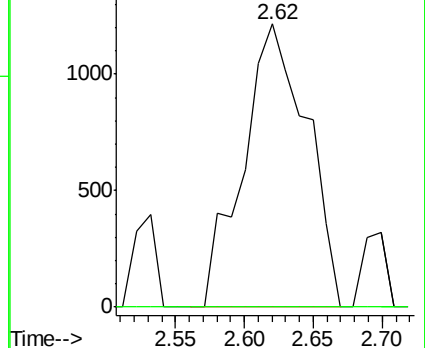
43 100

58 0.0 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 6.950 ug/l

RT: 2.94 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058001.D

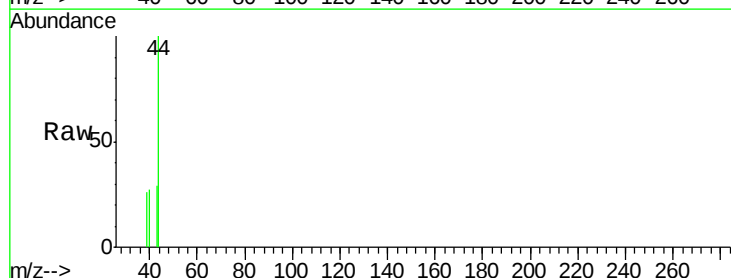
Acq: 8 Jun 2018 6:53

Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

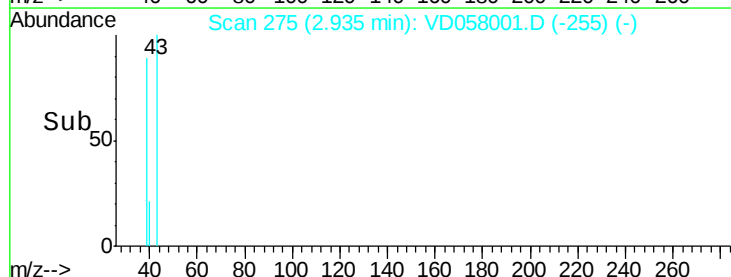
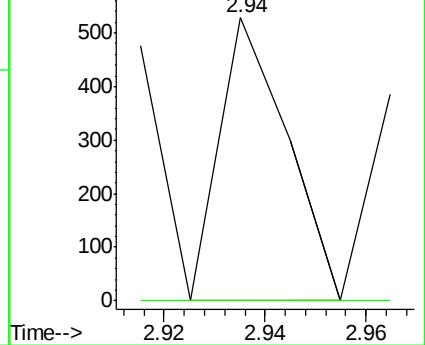
43 100

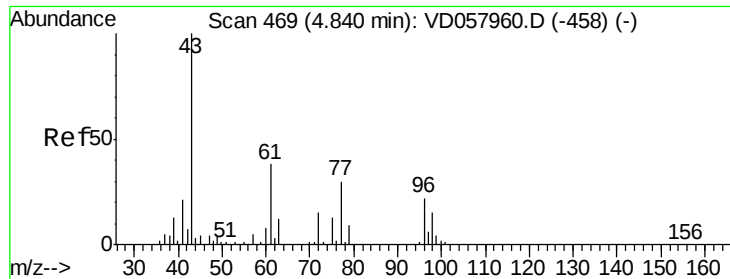
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 2.504 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

Instrument :

MSVOA_D

ClientSampleId :

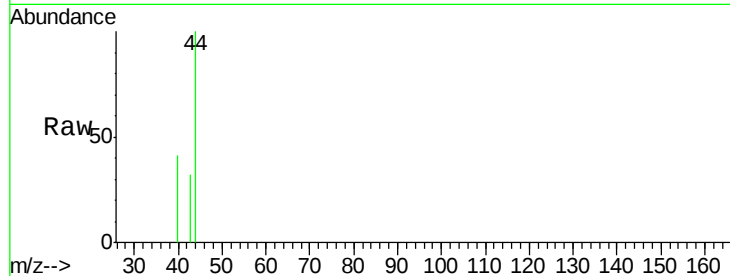
MH-38(0-5)RE

Tgt Ion: 43 Resp: 207

Ion Ratio Lower Upper

43 100

72 0.0 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

300

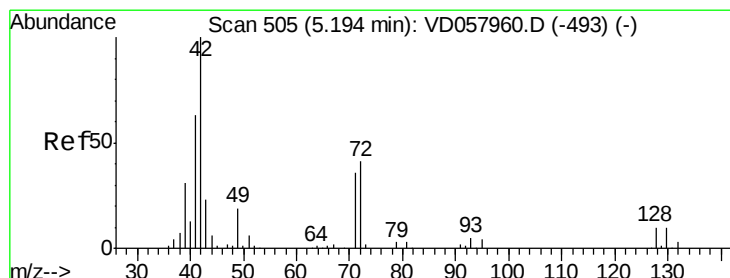
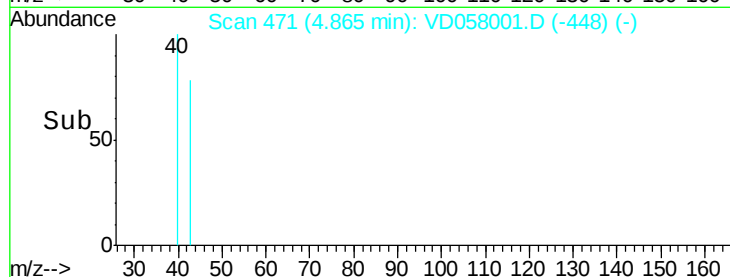
200

100

0

4.84 4.86 4.88

Time-->



#29

Tetrahydrofuran

Concen: 4.777 ug/l

RT: 4.86 min Scan# 471

Delta R.T. -0.33 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

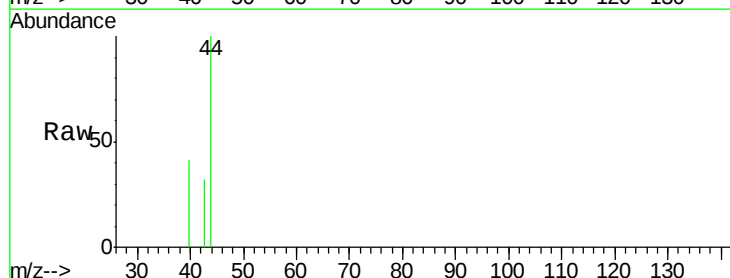
Tgt Ion: 42 Resp: 207

Ion Ratio Lower Upper

42 100

72 0.0 28.5 42.7#

71 0.0 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

4.86

300

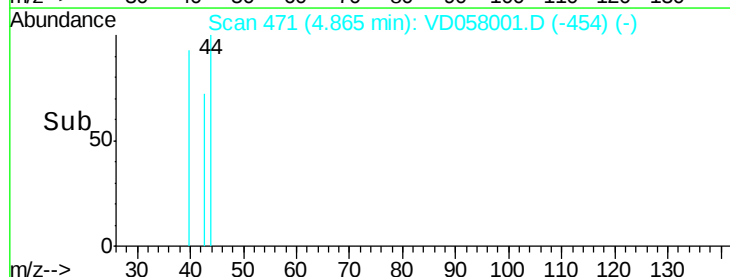
200

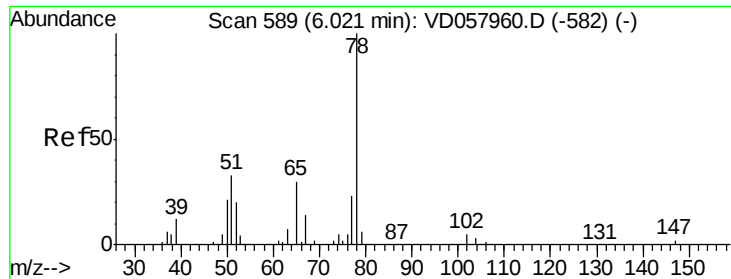
100

0

4.84 4.86 4.88

Time-->





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

Instrument :

MSVOA_D

ClientSampleId :

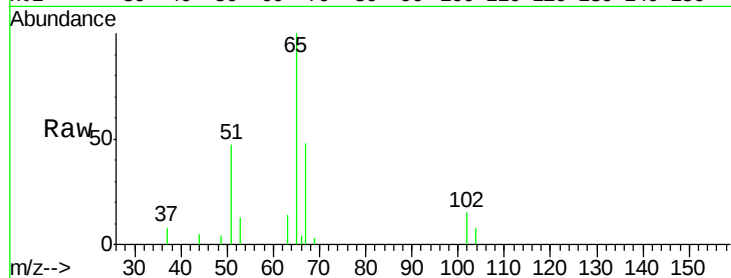
MH-38(0-5)RE

Tgt Ion: 65 Resp: 30673

Ion Ratio Lower Upper

65 100

67 47.7 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

12000

10000

8000

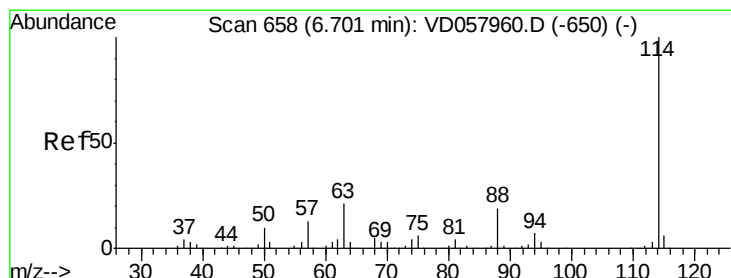
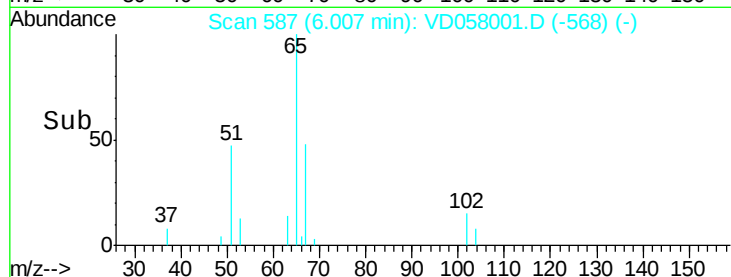
6000

4000

2000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

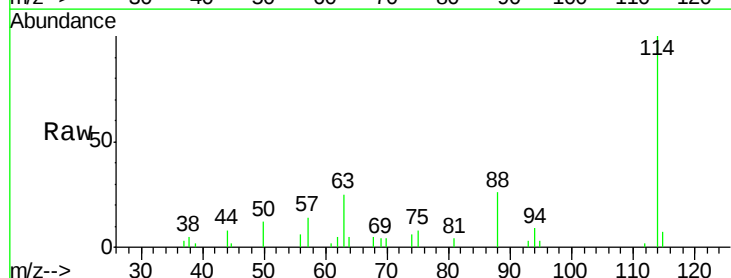
Tgt Ion: 114 Resp: 49568

Ion Ratio Lower Upper

114 100

63 24.8 0.0 42.8

88 25.7 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

6.69

25000

20000

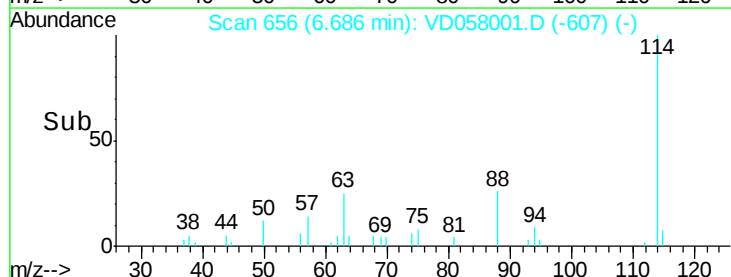
15000

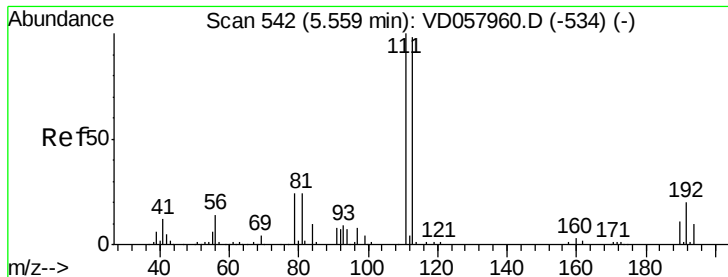
10000

5000

0

Time--> 6.60 6.70 6.80





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

Instrument :

MSVOA_D

ClientSampleId :

MH-38(0-5)RE

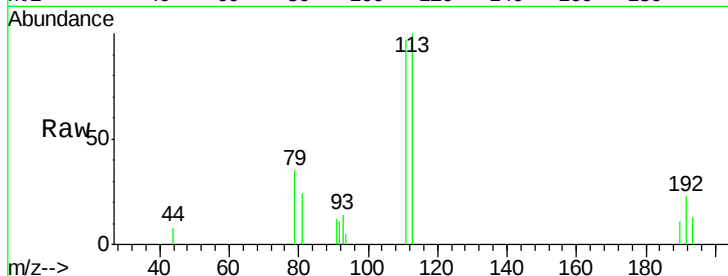
Tgt Ion:113 Resp: 21296

Ion Ratio Lower Upper

113 100

111 97.4 81.5 122.3

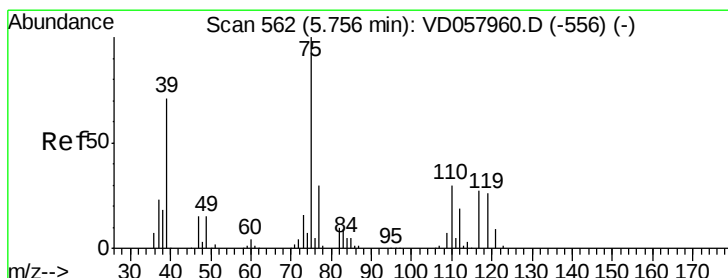
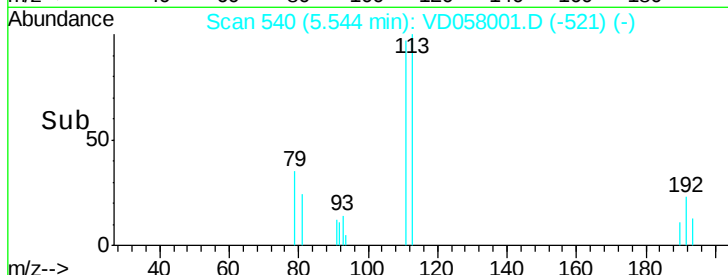
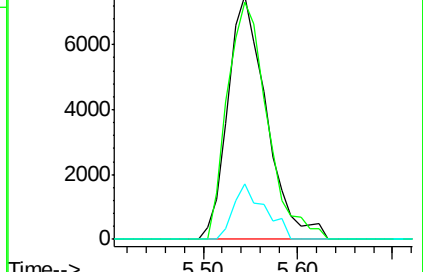
192 23.0 16.4 24.6



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: 3.911 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.13 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

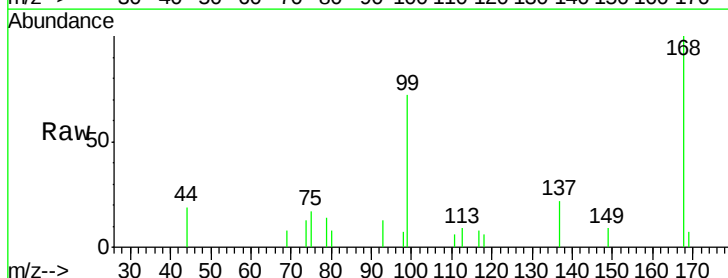
Tgt Ion: 75 Resp: 2136

Ion Ratio Lower Upper

75 100

110 0.0 14.8 44.3#

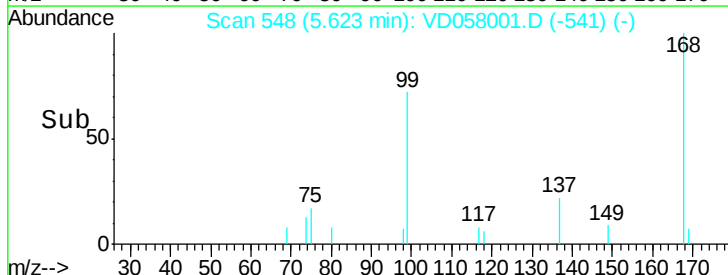
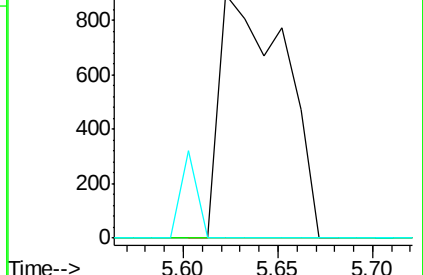
77 0.0 23.9 35.9#

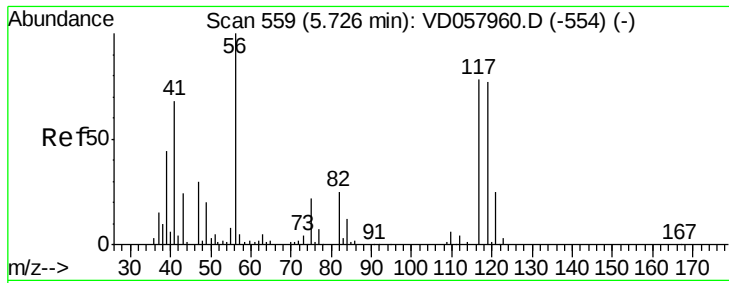


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 2.952 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

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MH-38(0-5)RE

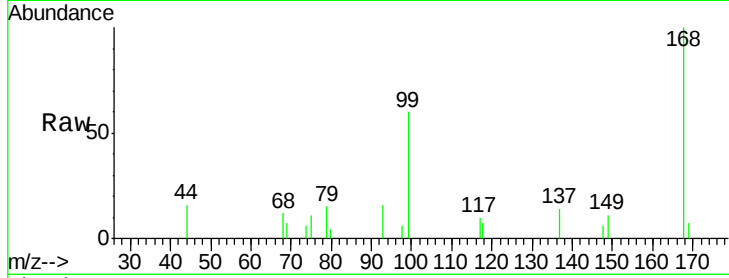
Tgt Ion:117 Resp: 1589

Ion Ratio Lower Upper

117 100

119 0.0 76.1 114.1#

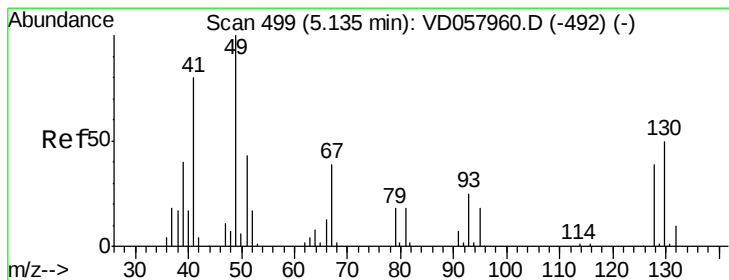
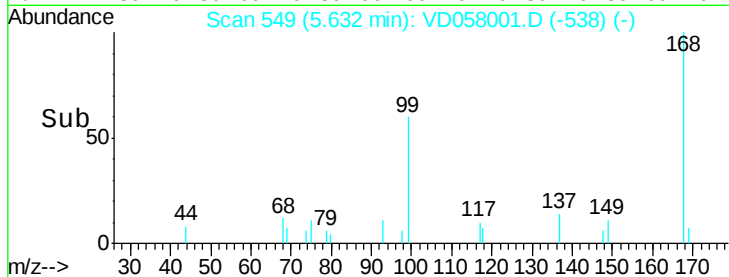
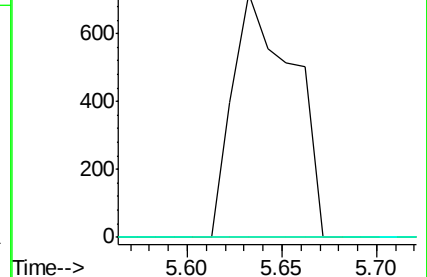
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 2.099 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.03 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

Tgt Ion: 41 Resp: 286

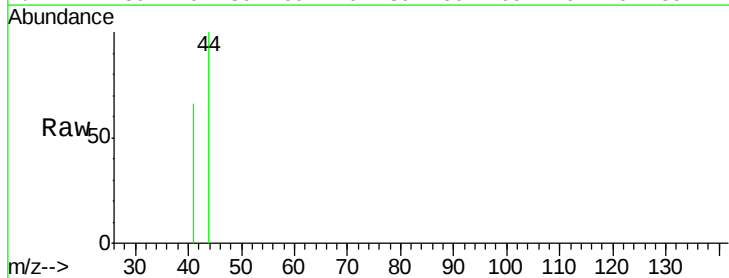
Ion Ratio Lower Upper

41 100

39 0.0 40.7 61.1#

67 0.0 38.8 58.2#

52 0.0 17.3 25.9#

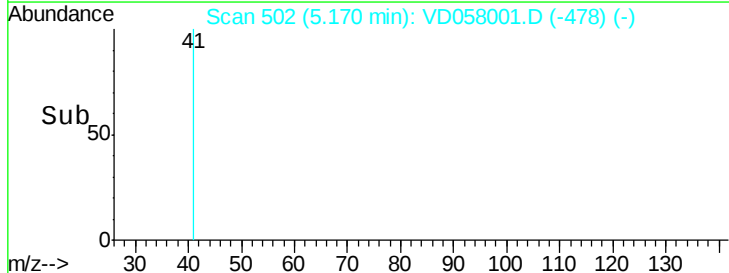
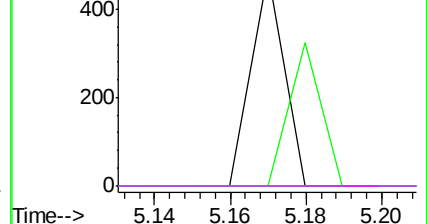


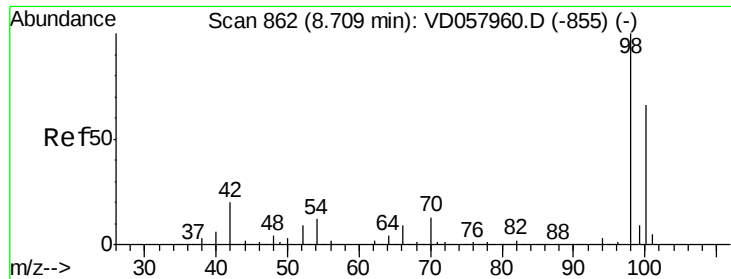
Abundance Ion 40.95 (40.65 to 41.65): V

Ion 38.95 (38.65 to 39.65): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

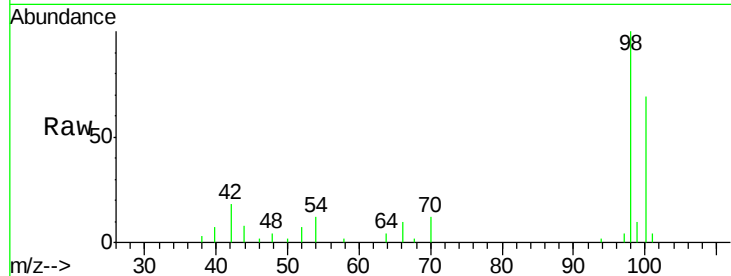




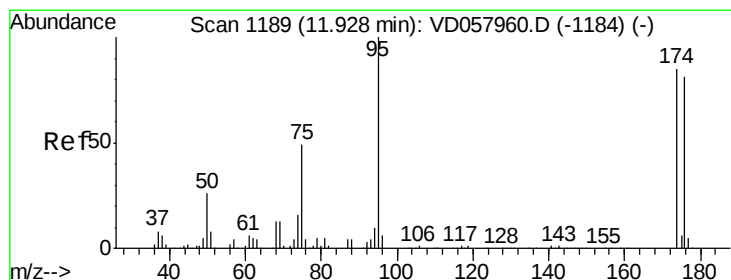
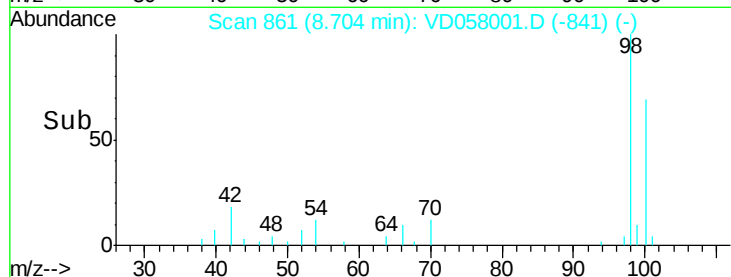
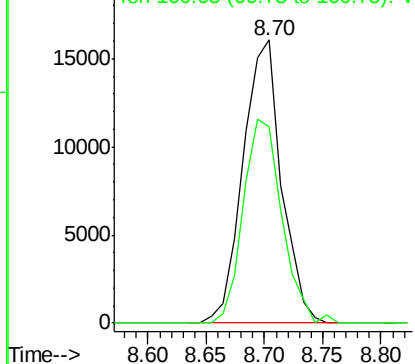
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058001.D
Acq: 8 Jun 2018 6:53

Instrument :
MSVOA_D
ClientSampleId :
MH-38(0-5)RE

Tgt Ion: 98 Resp: 36682
Ion Ratio Lower Upper
98 100
100 69.3 53.4 80.0

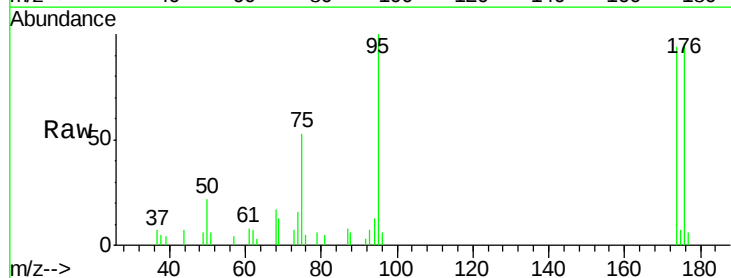


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

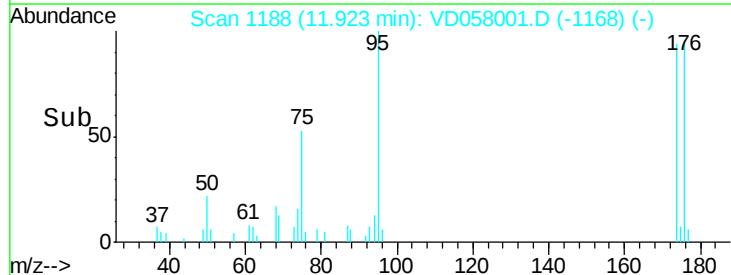
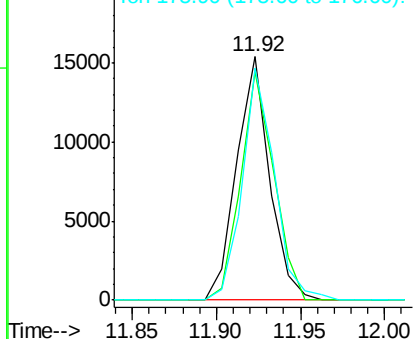


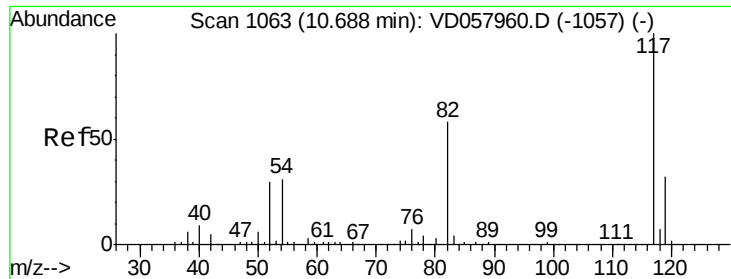
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD058001.D
Acq: 8 Jun 2018 6:53

Tgt Ion: 95 Resp: 20934
Ion Ratio Lower Upper
95 100
174 93.7 0.0 169.4
176 95.6 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

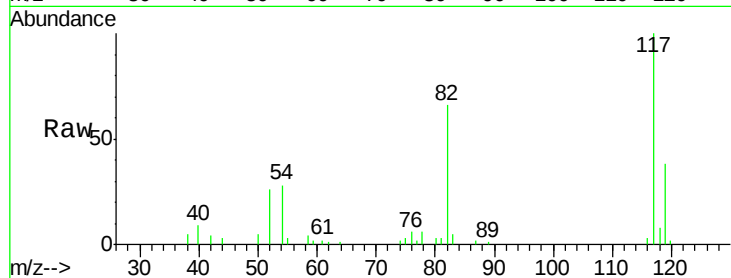




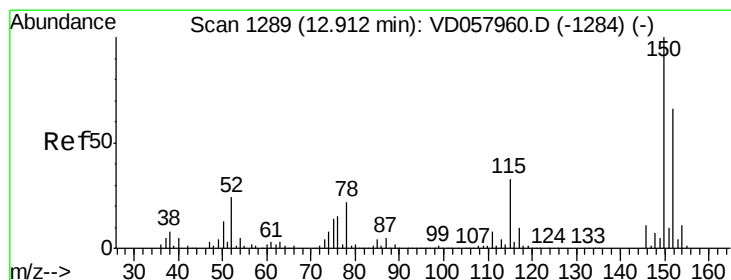
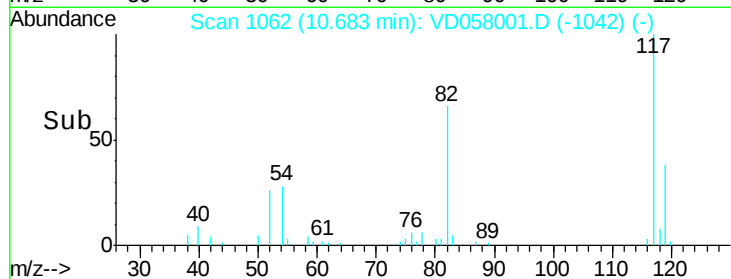
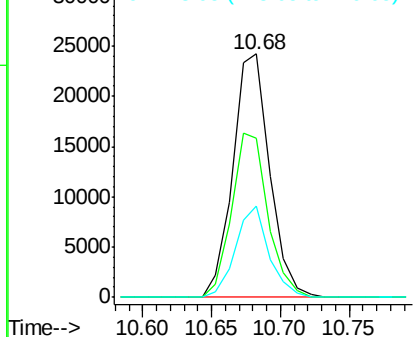
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058001.D
Acq: 8 Jun 2018 6:53

Instrument :
MSVOA_D
ClientSampleId :
MH-38(0-5)RE

Tgt Ion:117 Resp: 45090
Ion Ratio Lower Upper
117 100
82 65.6 46.8 70.2
119 37.6 25.8 38.6

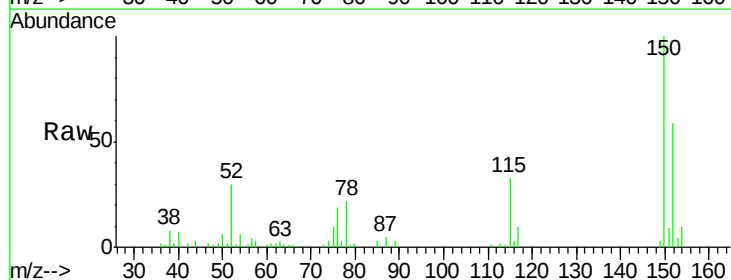


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

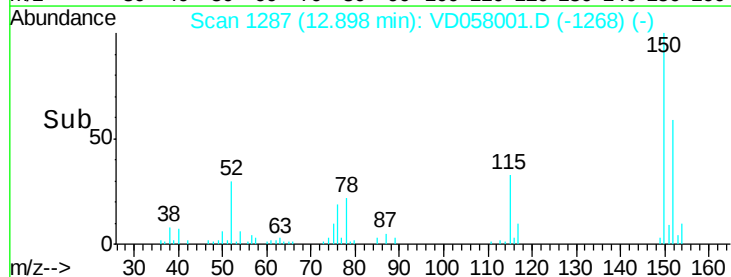
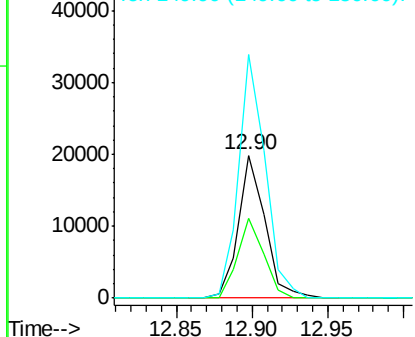


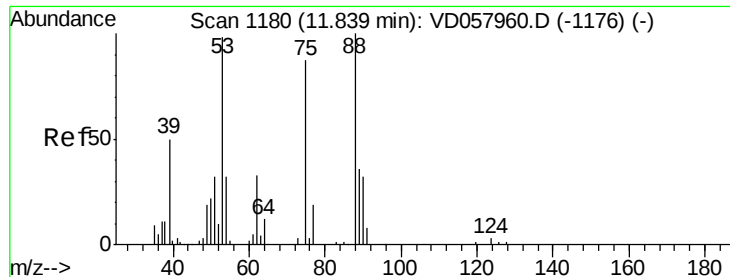
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD058001.D
Acq: 8 Jun 2018 6:53

Tgt Ion:152 Resp: 24221
Ion Ratio Lower Upper
152 100
115 55.8 25.6 76.6
150 170.7 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: 115.495 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058001.D

Acq: 8 Jun 2018 6:53

Instrument :

MSVOA_D

ClientSampleId :

MH-38(0-5)RE

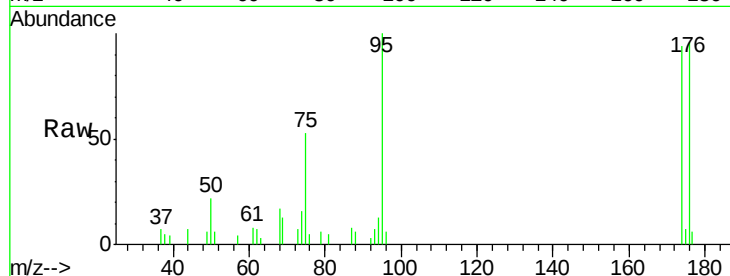
Tgt Ion: 75 Resp: 10408

Ion Ratio Lower Upper

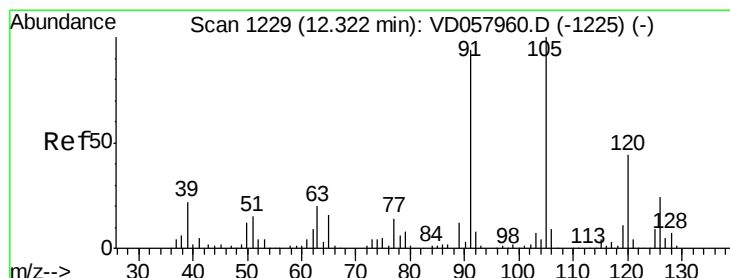
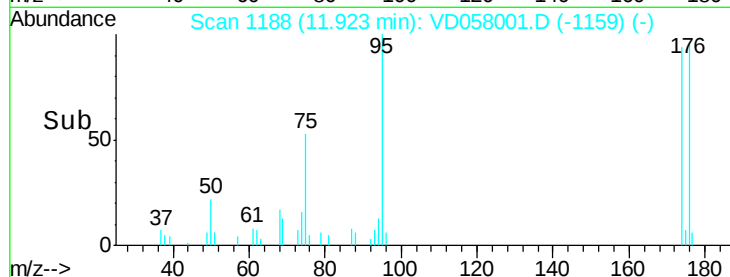
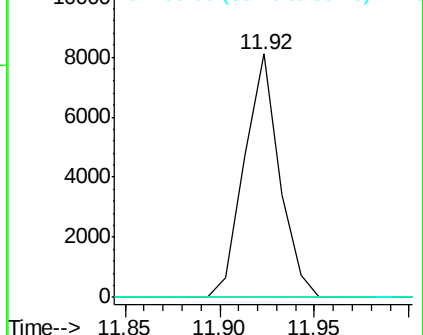
75 100

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: 12.15 min Scan# 1211

Delta R.T. -0.17 min

Lab File: VD058001.D

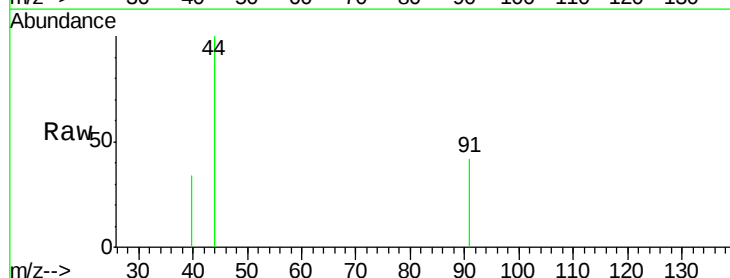
Acq: 8 Jun 2018 6:53

Tgt Ion: 91 Resp: 230

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

