

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060340.D
 Acq On : 12 Nov 2018 16:29
 Operator : JC/SY
 Sample : J5889-10
 Misc : 8.94g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BOTTOM-A

Quant Time: Nov 13 00:41:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

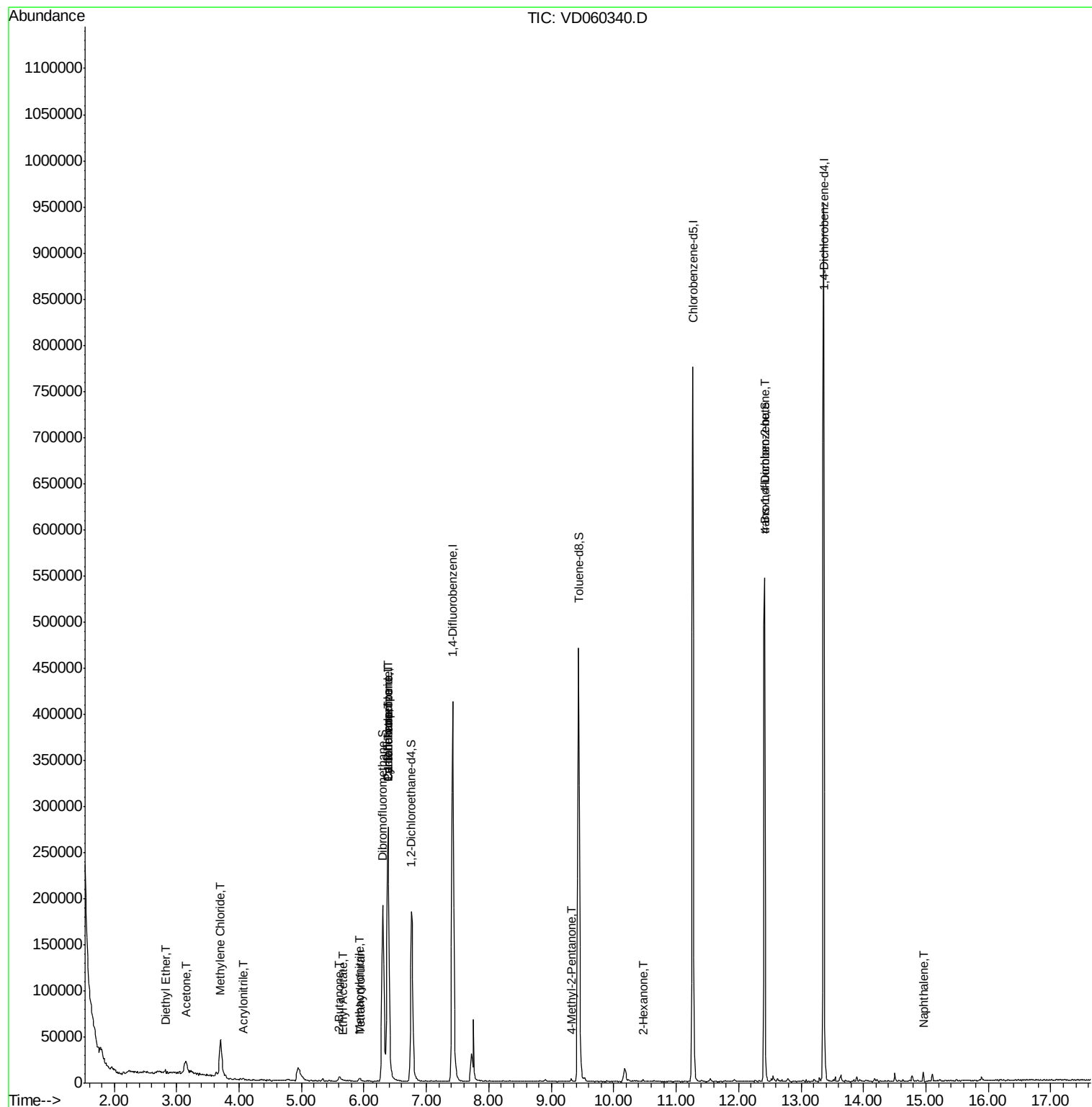
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	270316	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	420737	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	395203	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	217842	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	154409	79.78	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	159.56%	
35) Dibromofluoromethane	6.30	113	153368	48.88	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	97.76%	
50) Toluene-d8	9.44	98	380747	41.47	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	82.94%	
62) 4-Bromofluorobenzene	12.41	95	163231	49.06	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	98.12%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.82	74	849	1.902	ug/l #	24
15) Acrylonitrile	4.06	53	1458	3.146	ug/l #	75
16) Acetone	3.15	43	37820	112.649	ug/l	96
20) Methylene Chloride	3.70	84	27653	9.285	ug/l	94
25) 2-Butanone	5.60	43	6376	9.137	ug/l #	60
29) Tetrahydrofuran	5.94	42	2289	6.221	ug/l #	64
31) Cyclohexane	6.38	56	5439	1.177	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	18478	4.445	ug/l #	47
37) Ethyl Acetate	5.67	43	2004	1.048	ug/l #	69
38) Carbon Tetrachloride	6.38	117	20350	5.278	ug/l #	16
41) Methacrylonitrile	5.92	41	2249	1.027	ug/l #	43
51) 4-Methyl-2-Pentanone	9.32	43	2819	1.803	ug/l #	88
59) 2-Hexanone	10.47	43	2152	1.931	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.41	75	69069	93.098	ug/l #	15
89) n-Butylbenzene	13.64	91	3415	Below Cal		78
95) Naphthalene	14.96	128	6419	1.076	ug/l #	94

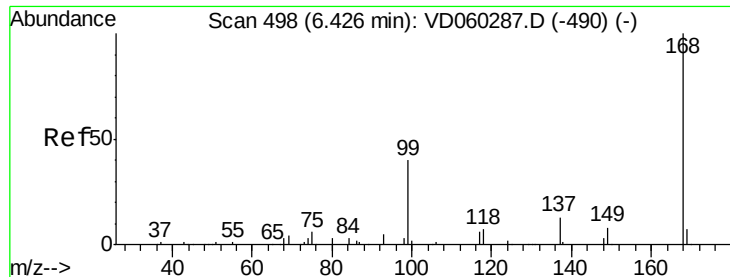
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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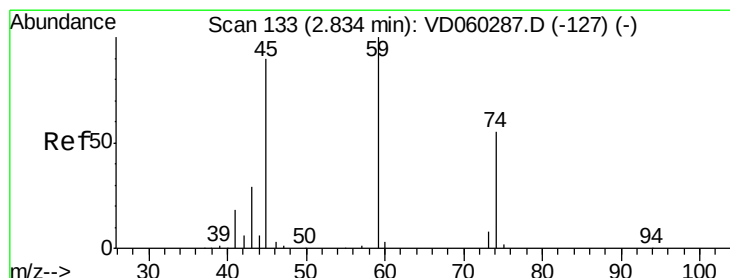
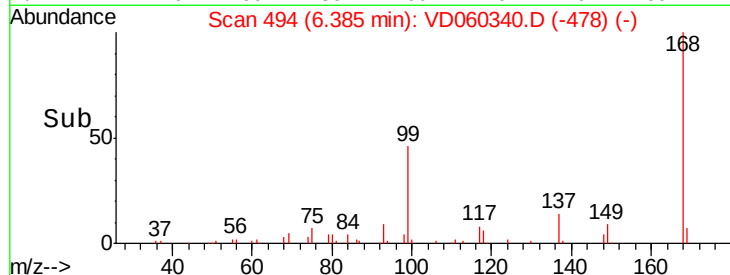
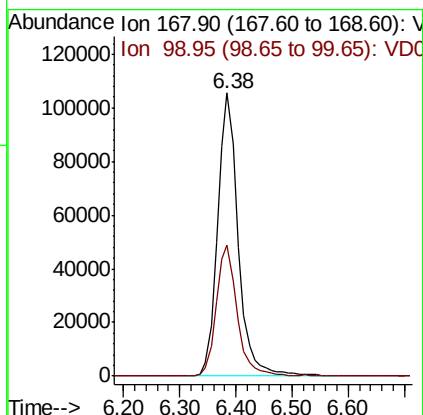
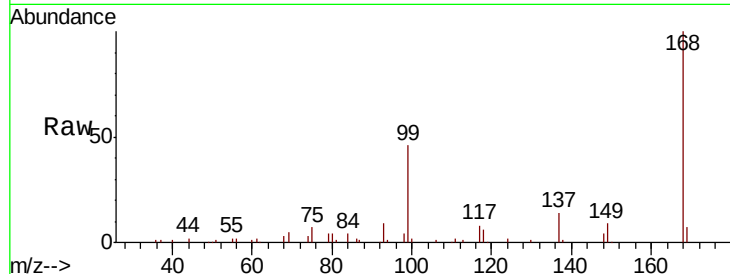




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.04 min
Lab File: VD060340.D
Acq: 12 Nov 2018 16:29

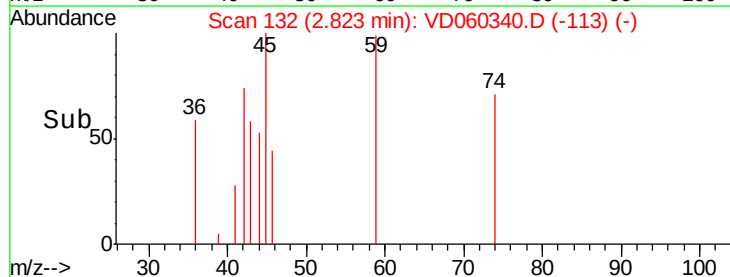
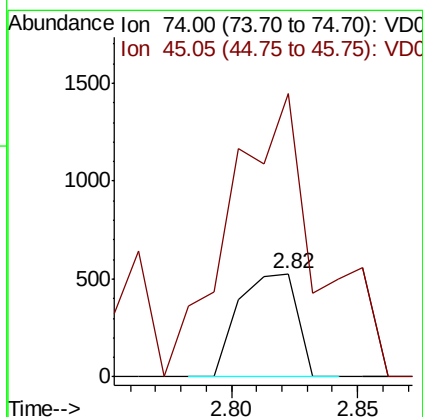
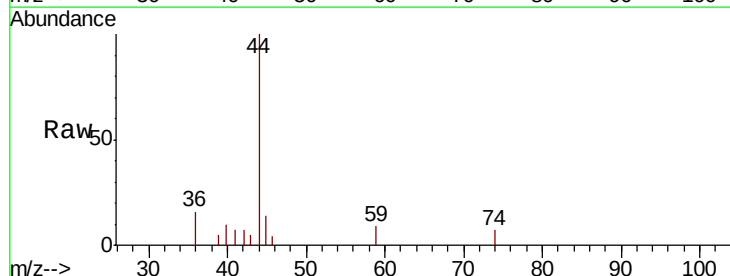
Instrument :
MSVOA_D
ClientSampleId :
BOTTOM-A

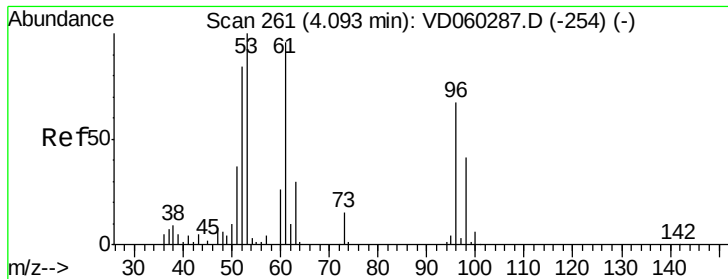
Tgt Ion: 168 Resp: 270316
Ion Ratio Lower Upper
168 100
99 46.3 39.8 59.8



#8
Diethyl Ether
Concen: 1.902 ug/l
RT: 2.82 min Scan# 132
Delta R.T. -0.01 min
Lab File: VD060340.D
Acq: 12 Nov 2018 16:29

Tgt Ion: 74 Resp: 849
Ion Ratio Lower Upper
74 100
45 273.3 84.8 254.4#





#15

Acrylonitrile

Concen: 3.146 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.03 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

BOTTOM-A

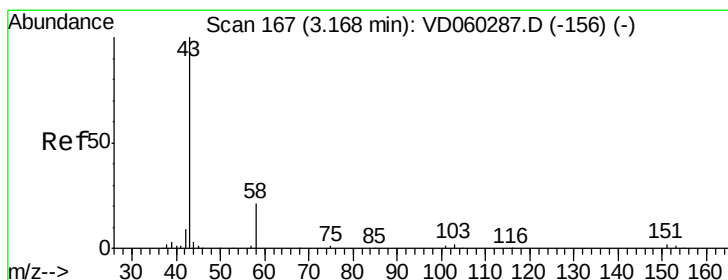
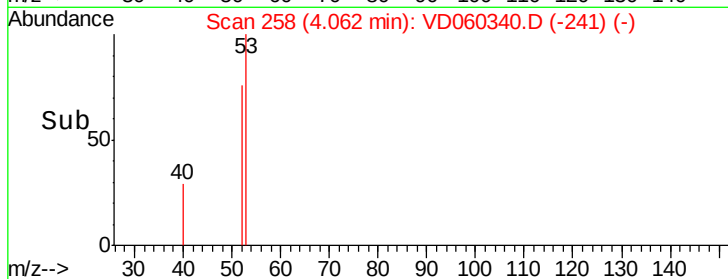
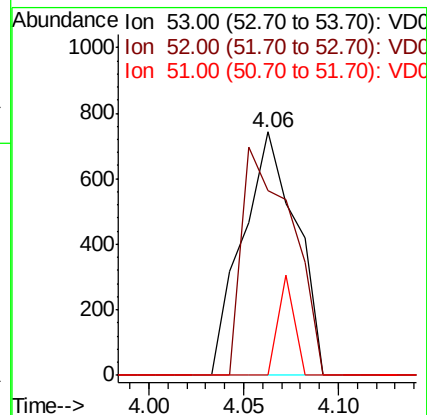
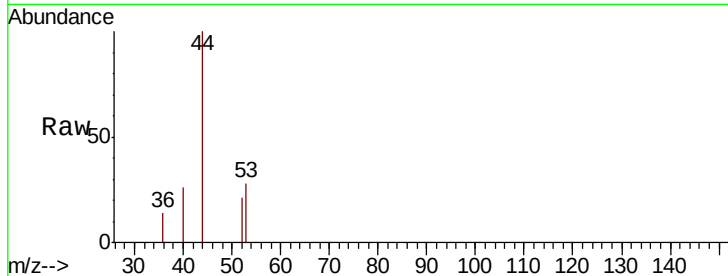
Tgt Ion: 53 Resp: 1458

Ion Ratio Lower Upper

53 100

52 75.6 67.0 100.4

51 0.0 29.9 44.9#



#16

Acetone

Concen: 112.649 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060340.D

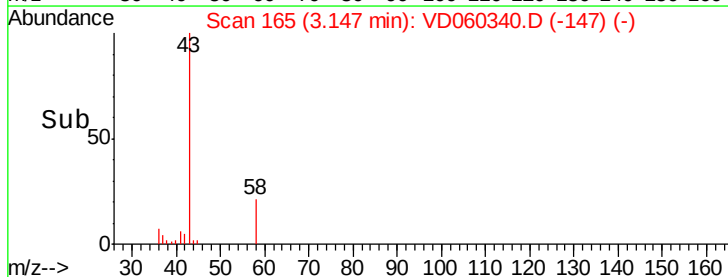
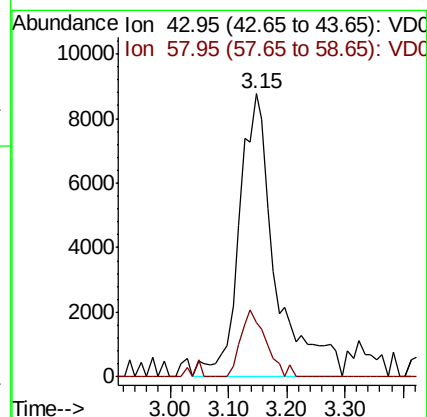
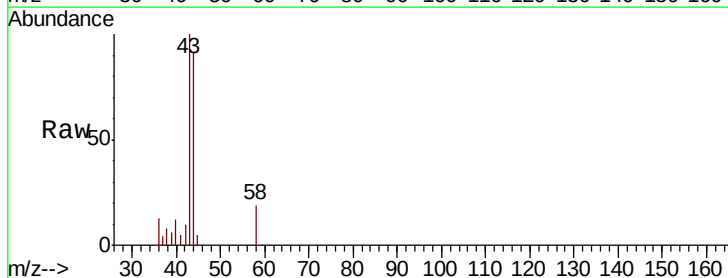
Acq: 12 Nov 2018 16:29

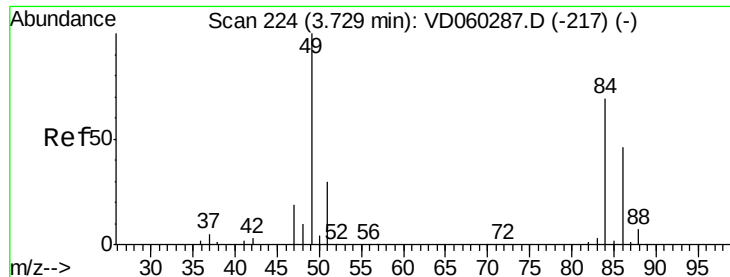
Tgt Ion: 43 Resp: 37820

Ion Ratio Lower Upper

43 100

58 19.1 16.9 25.3

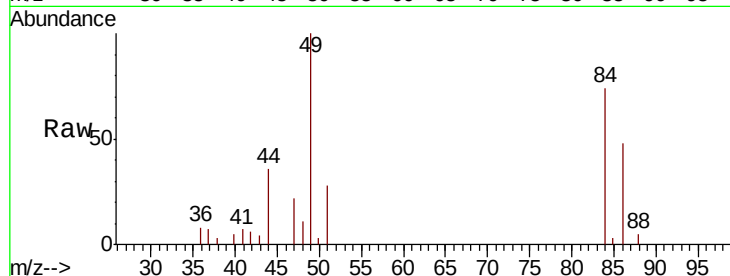




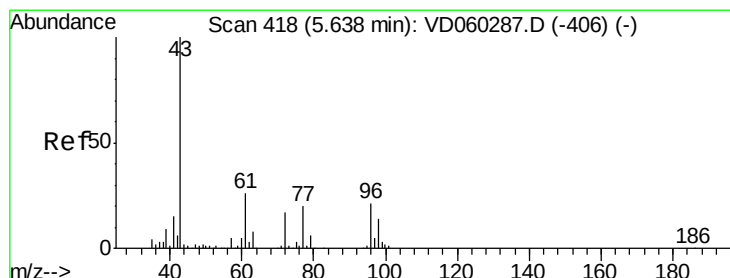
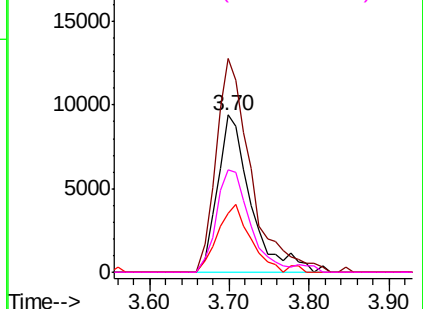
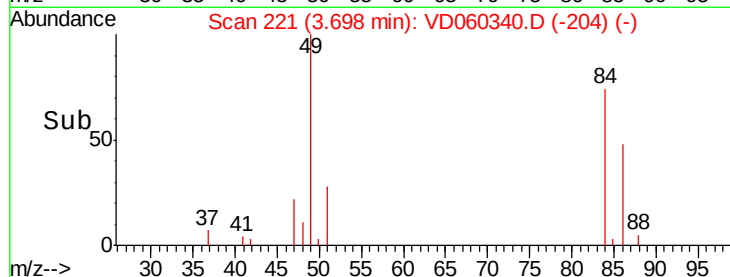
#20
Methylene Chloride
Concen: 9.285 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060340.D
Acq: 12 Nov 2018 16:29

Instrument :
MSVOA_D
ClientSampleId :
BOTTOM-A

Tgt Ion: 84 Resp: 27653
Ion Ratio Lower Upper
84 100
49 135.9 115.6 173.4
51 37.9 35.6 53.4
86 65.1 52.3 78.5

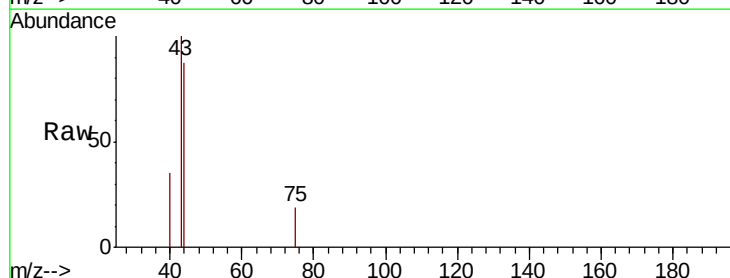


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

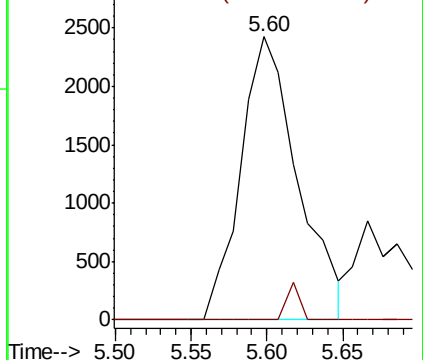
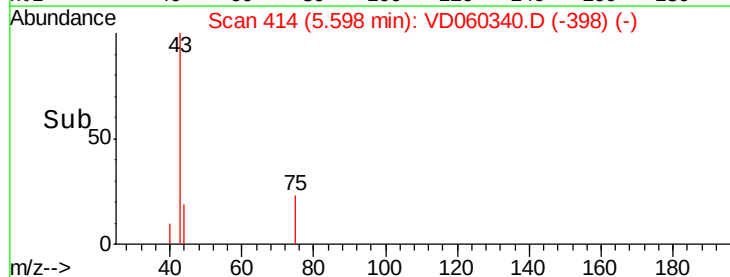


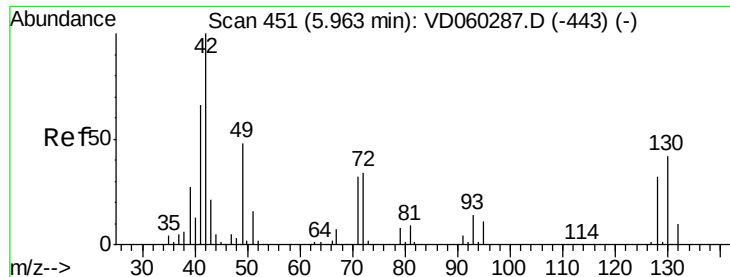
#25
2-Butanone
Concen: 9.137 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.04 min
Lab File: VD060340.D
Acq: 12 Nov 2018 16:29

Tgt Ion: 43 Resp: 6376
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 6.221 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.02 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

BOTTOM-A

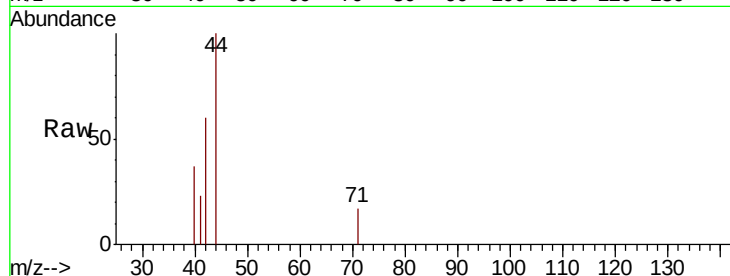
Tgt Ion: 42 Resp: 2289

Ion Ratio Lower Upper

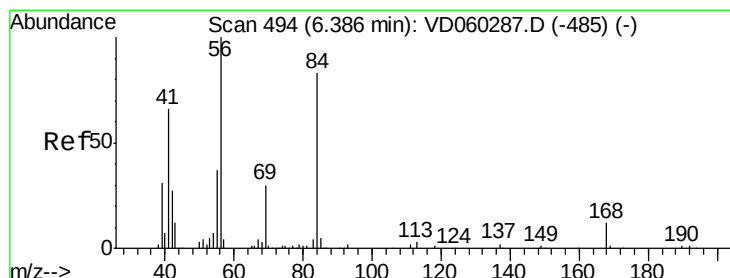
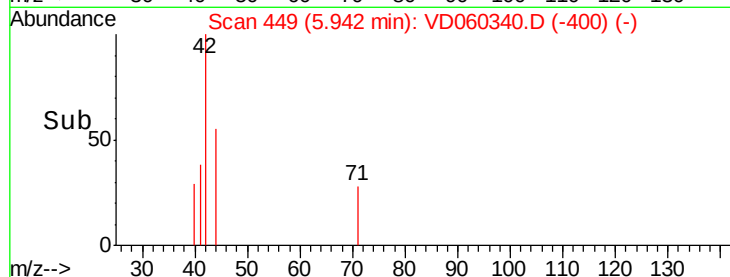
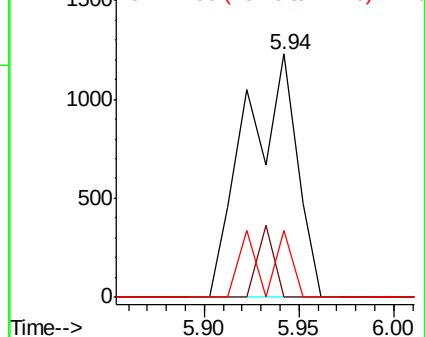
42 100

72 9.4 27.6 41.4#

71 17.5 26.5 39.7#



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



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

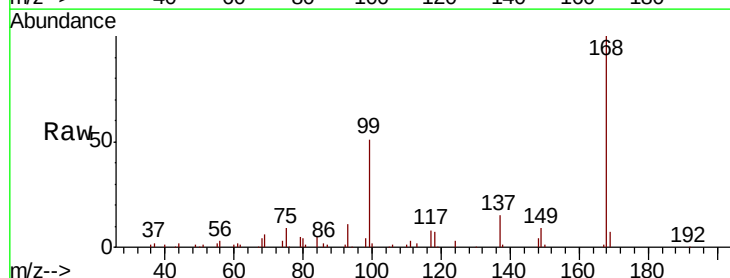
Tgt Ion: 56 Resp: 5439

Ion Ratio Lower Upper

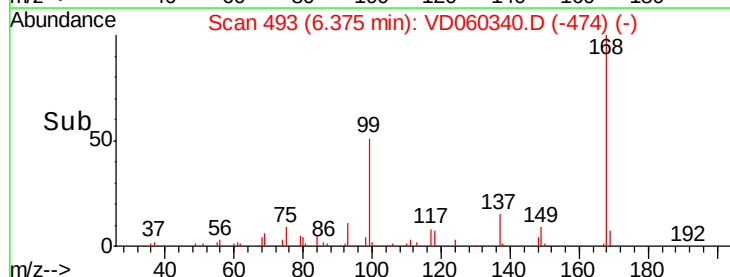
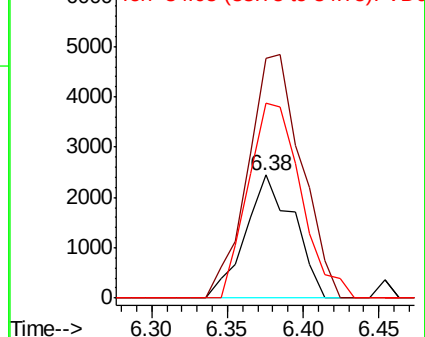
56 100

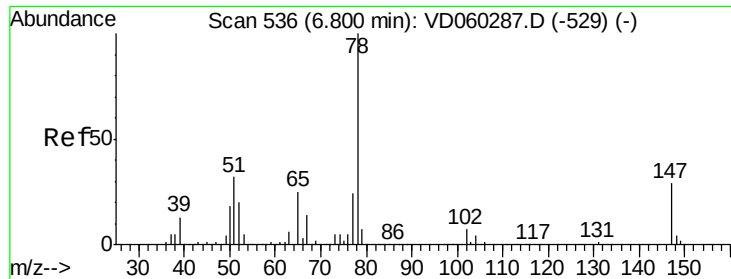
69 195.0 22.2 33.2#

84 158.9 63.0 94.4#



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

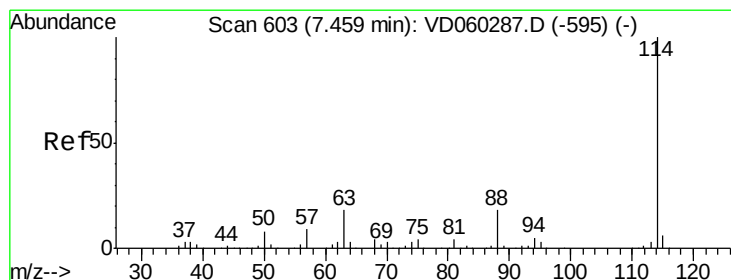
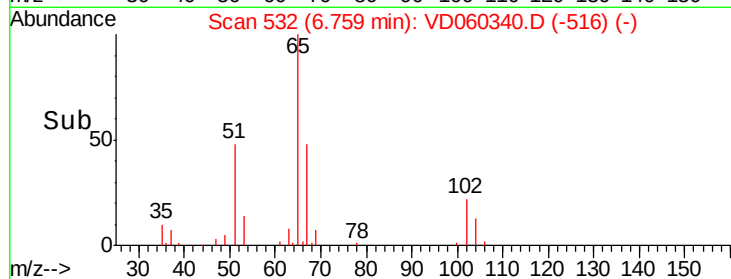
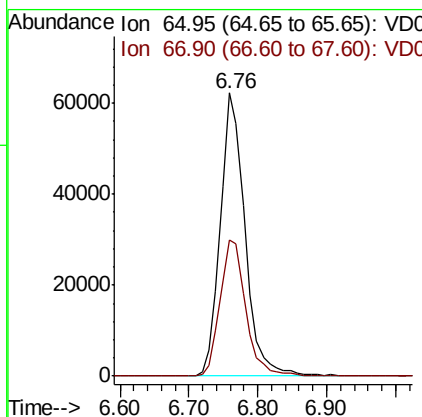
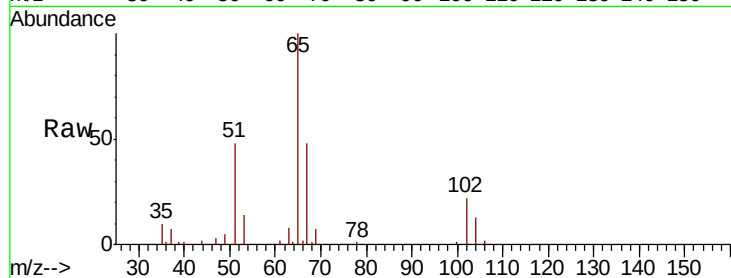




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.04 min
 Lab File: VD060340.D
 Acq: 12 Nov 2018 16:29

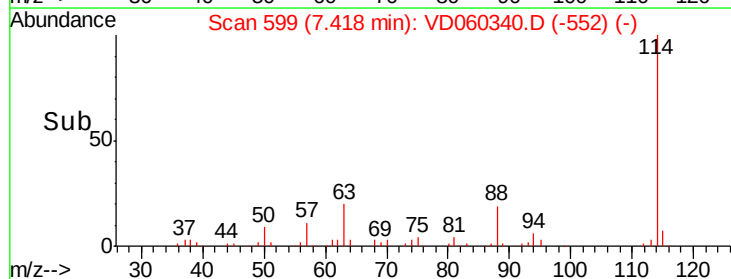
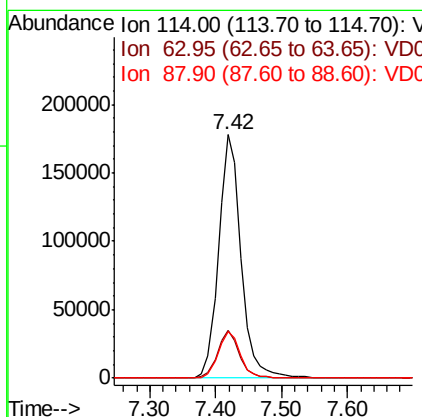
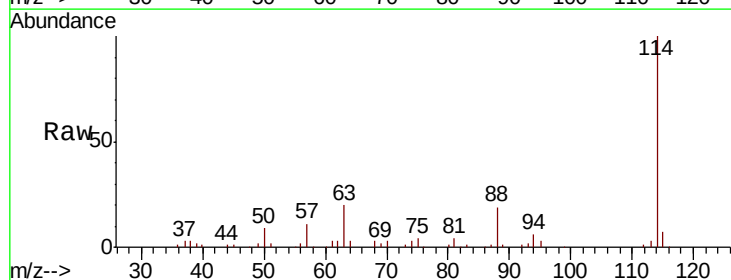
Instrument :
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 ClientSampleId :
 BOTTOM-A

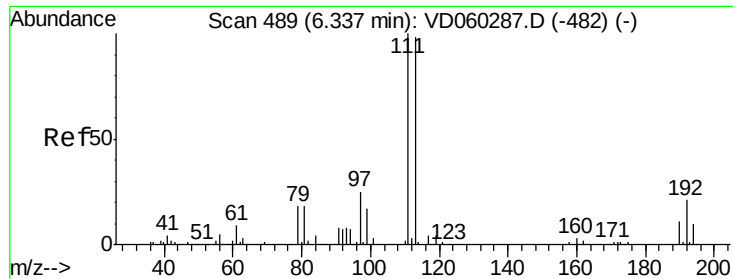
Tgt Ion: 65 Resp: 154409
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060340.D
 Acq: 12 Nov 2018 16:29

Tgt Ion: 114 Resp: 420737
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 34.0
 88 19.1 0.0 35.4

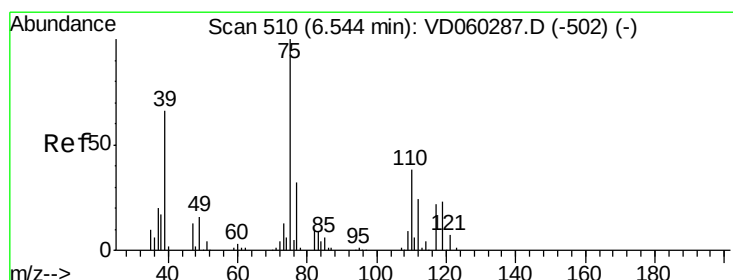
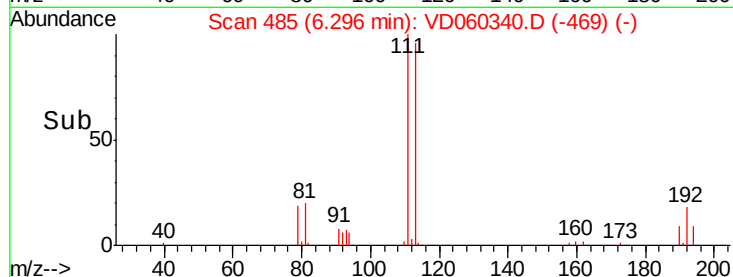
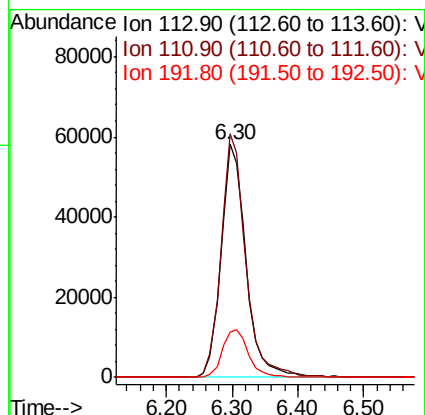
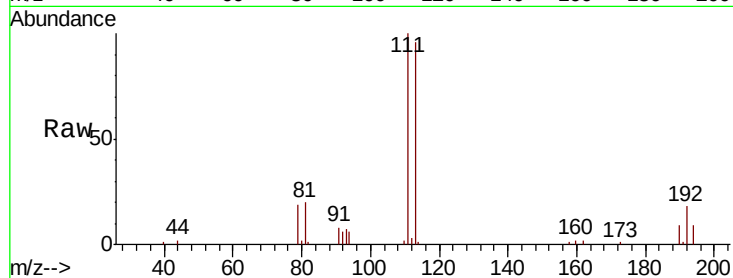




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD060340.D
 Acq: 12 Nov 2018 16:29

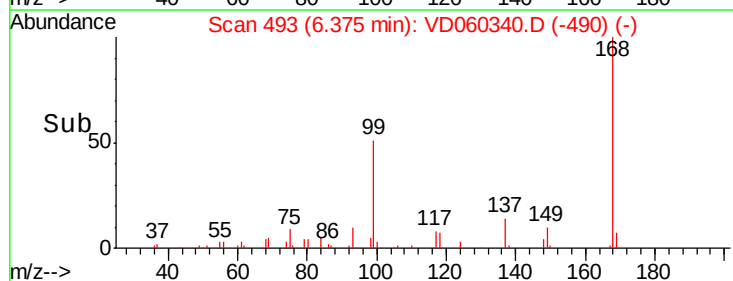
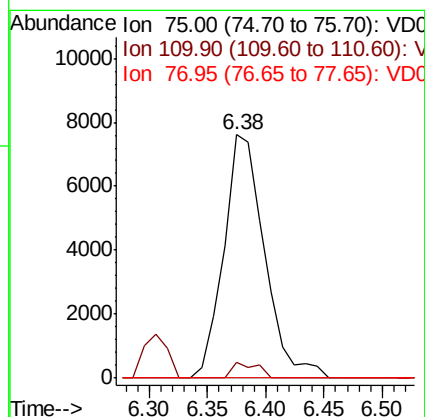
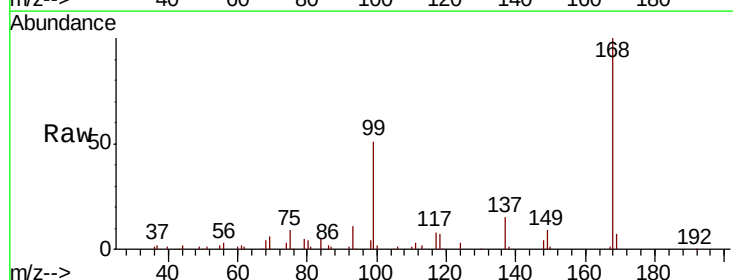
Instrument :
 MSVOA_D
 ClientSampleId :
 BOTTOM-A

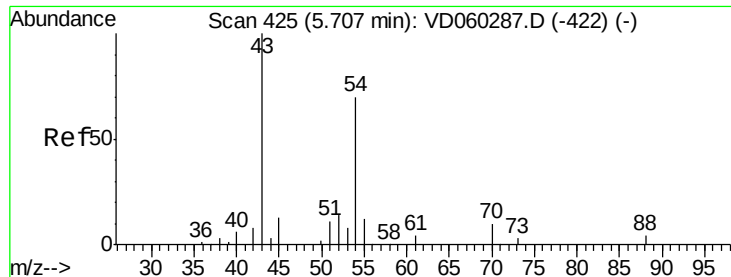
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.6	122.4
192	19.3	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 4.445 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.17 min
 Lab File: VD060340.D
 Acq: 12 Nov 2018 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	18.0	54.0#
77	0.0	25.6	38.4#





#37

Ethyl Acetate

Concen: 1.048 ug/l

RT: 5.67 min Scan# 421

Delta R.T. -0.04 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampled :

BOTTOM-A

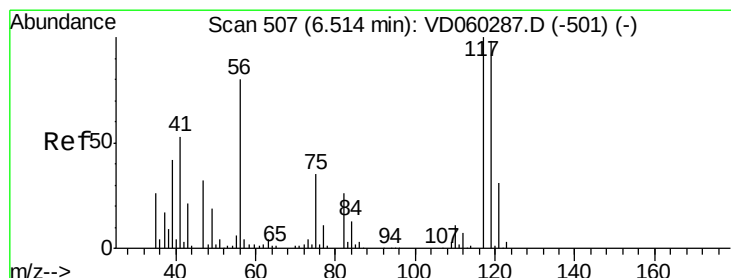
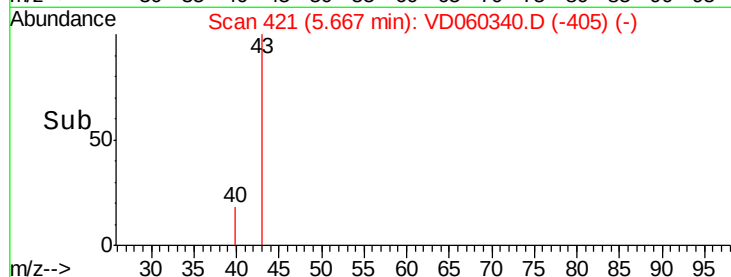
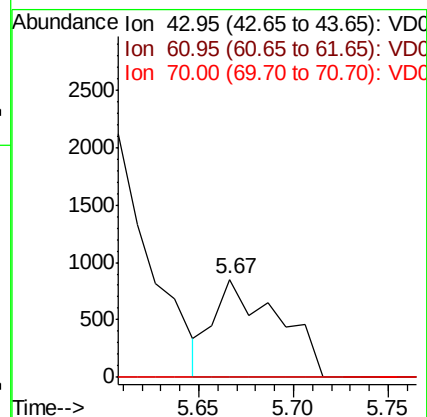
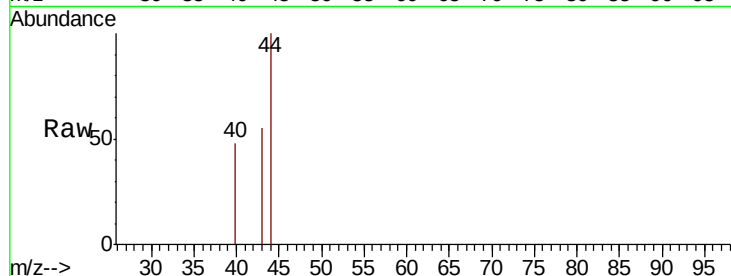
Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 6.2 9.4#



#38

Carbon Tetrachloride

Concen: 5.278 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.13 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

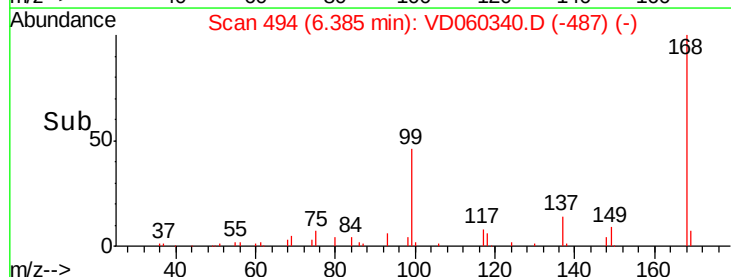
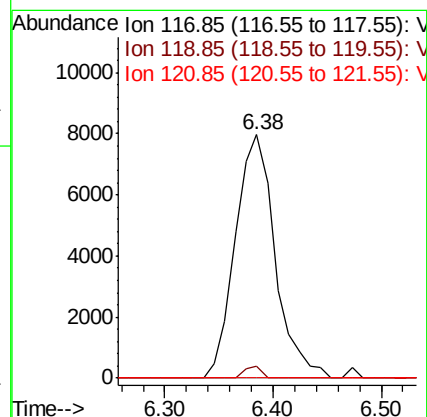
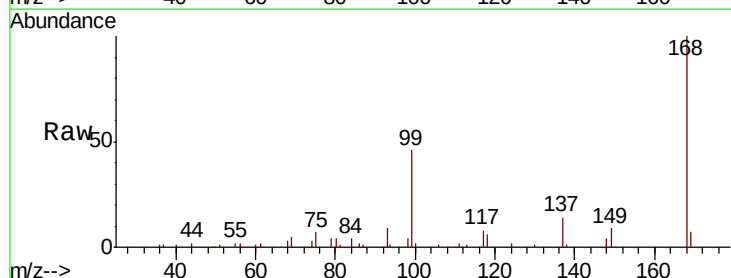
Tgt Ion: 117 Resp: 20350

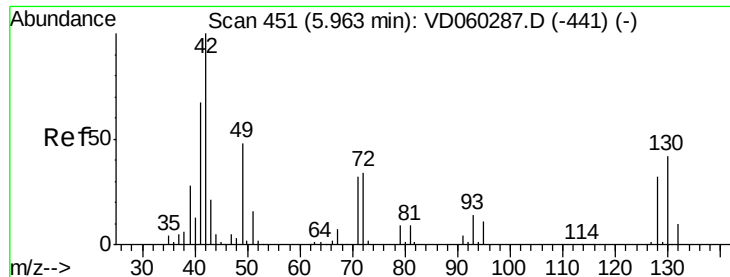
Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

121 0.0 24.3 36.5#





#41

Methacrylonitrile

Concen: 1.027 ug/l

RT: 5.92 min Scan# 447

Delta R.T. -0.04 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

BOTTOM-A

Tgt Ion: 41 Resp: 2249

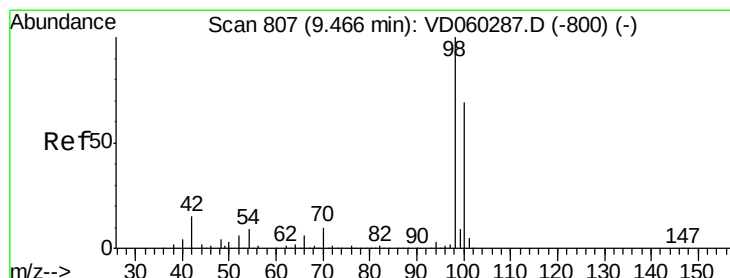
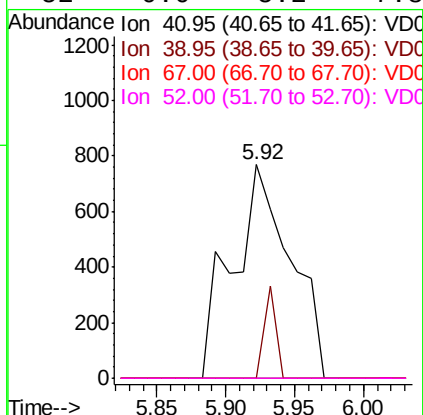
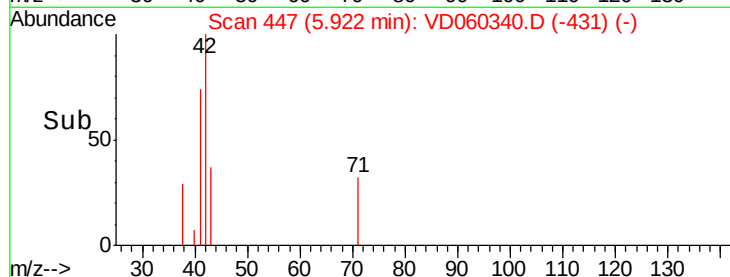
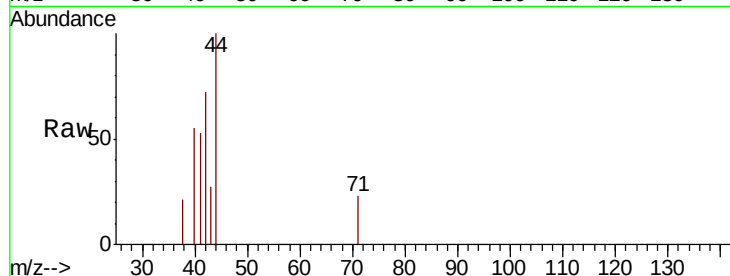
Ion Ratio Lower Upper

41 100

39 0.0 36.2 54.2#

67 0.0 11.9 17.9#

52 0.0 5.2 7.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060340.D

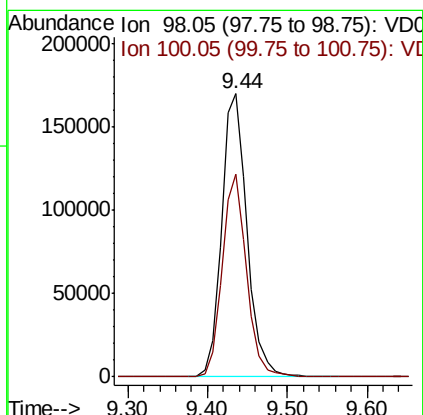
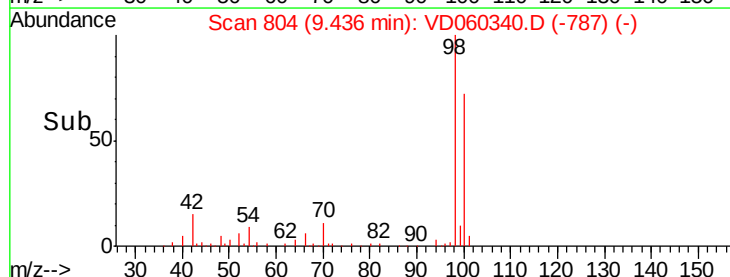
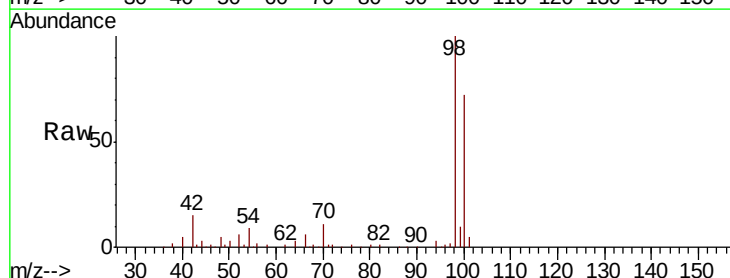
Acq: 12 Nov 2018 16:29

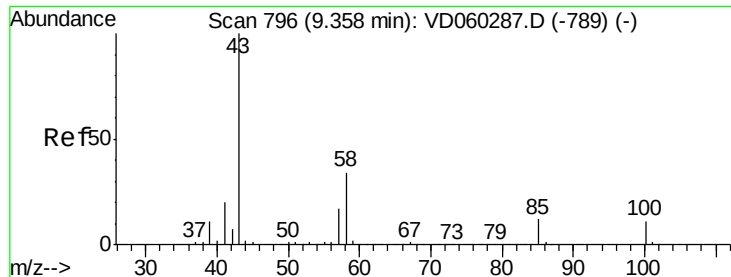
Tgt Ion: 98 Resp: 380747

Ion Ratio Lower Upper

98 100

100 71.7 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 1.803 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.04 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

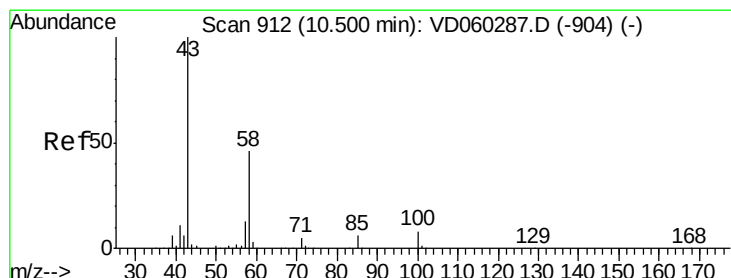
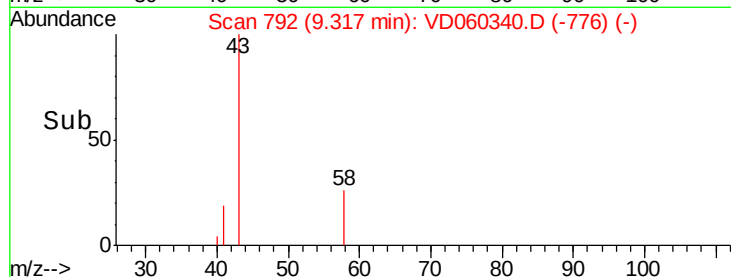
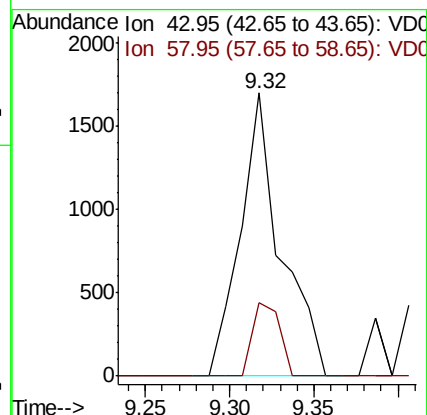
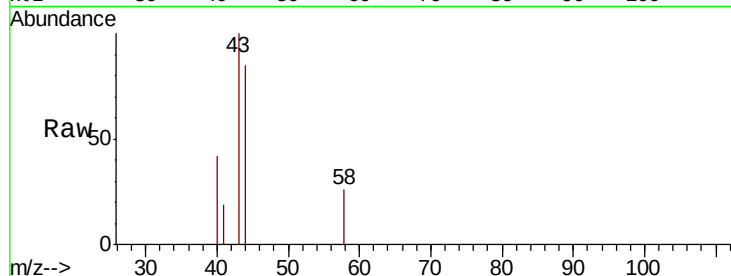
BOTTOM-A

Tgt Ion: 43 Resp: 2819

Ion Ratio Lower Upper

43 100

58 25.8 26.1 39.1#



#59

2-Hexanone

Concen: 1.931 ug/l

RT: 10.47 min Scan# 909

Delta R.T. -0.03 min

Lab File: VD060340.D

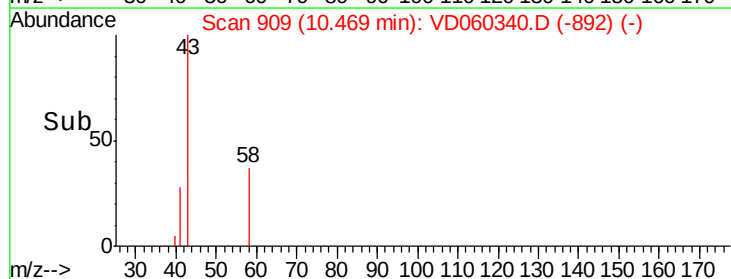
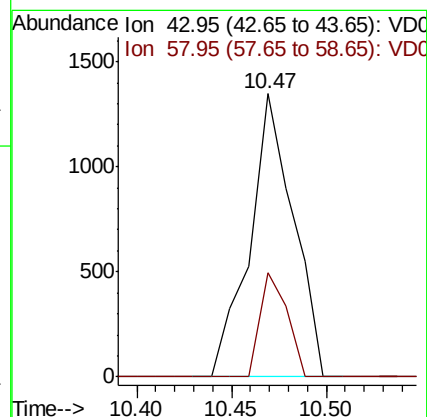
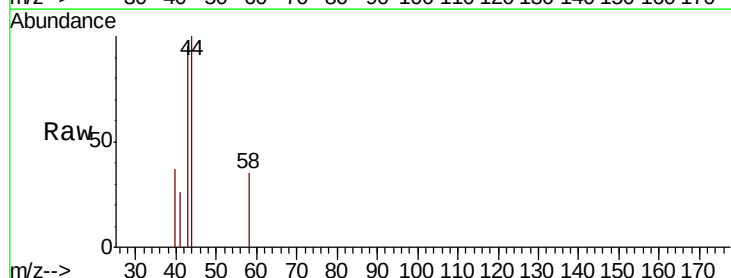
Acq: 12 Nov 2018 16:29

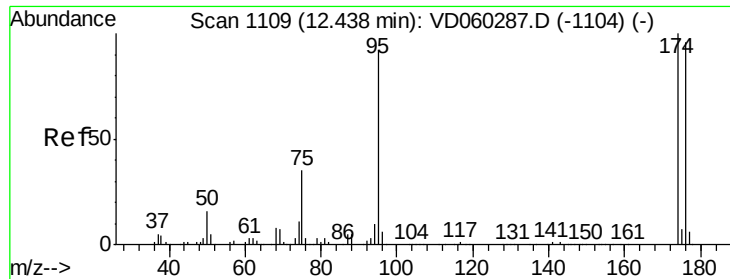
Tgt Ion: 43 Resp: 2152

Ion Ratio Lower Upper

43 100

58 36.7 22.9 68.5

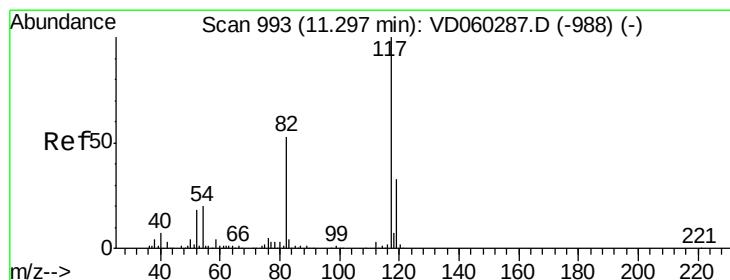
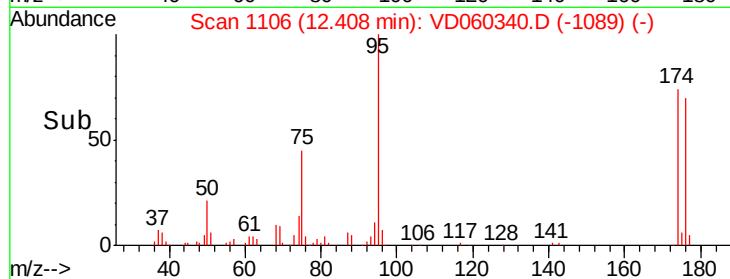
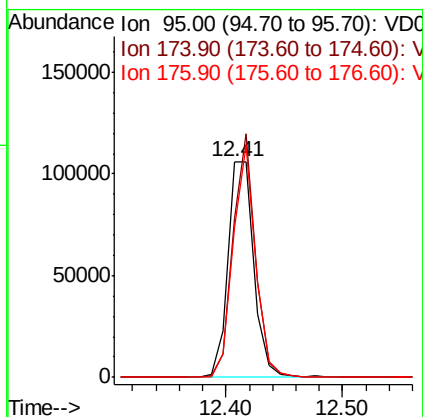
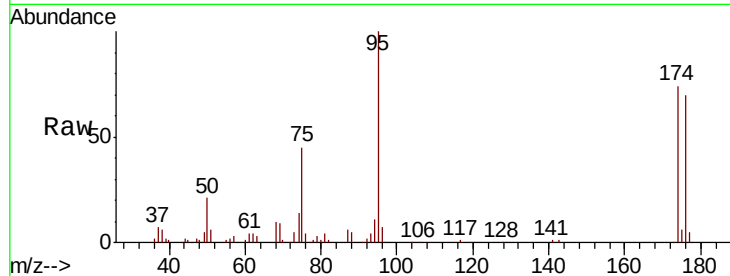




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.41 min Scan# 1106
Delta R.T. -0.03 min
Lab File: VD060340.D
Acq: 12 Nov 2018 16:29

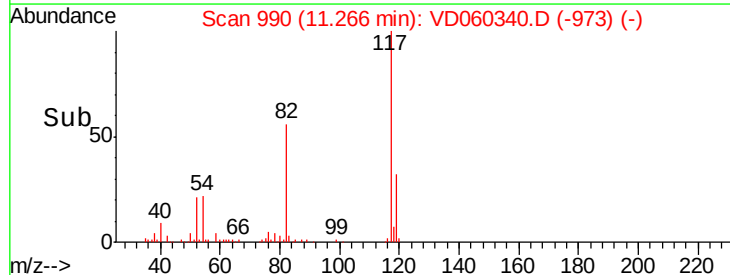
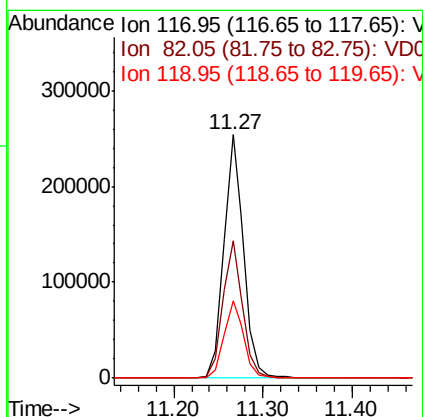
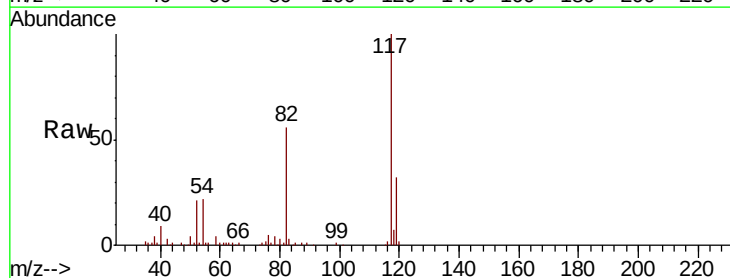
Instrument :
MSVOA_D
ClientSampleId :
BOTTOM-A

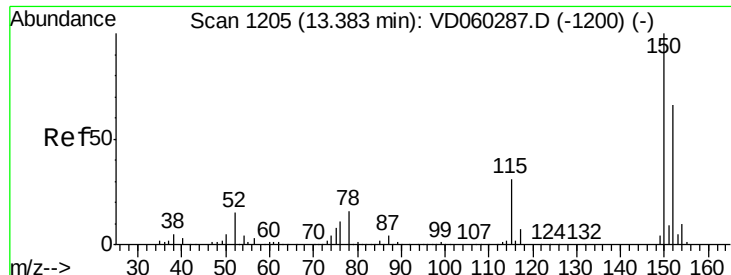
Tgt Ion: 95 Resp: 163231
Ion Ratio Lower Upper
95 100
174 73.9 0.0 160.8
176 69.6 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060340.D
Acq: 12 Nov 2018 16:29

Tgt Ion: 117 Resp: 395203
Ion Ratio Lower Upper
117 100
82 56.2 43.7 65.5
119 31.8 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

BOTTOM-A

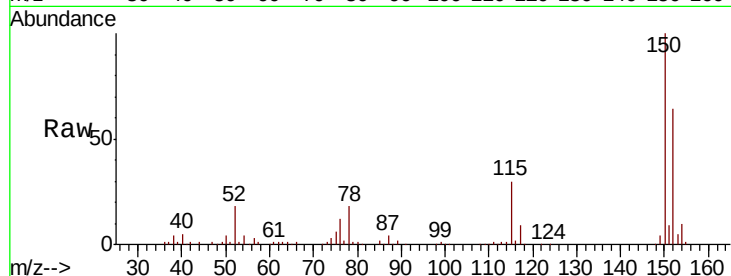
Tgt Ion:152 Resp: 217842

Ion Ratio Lower Upper

152 100

115 46.4 24.1 72.3

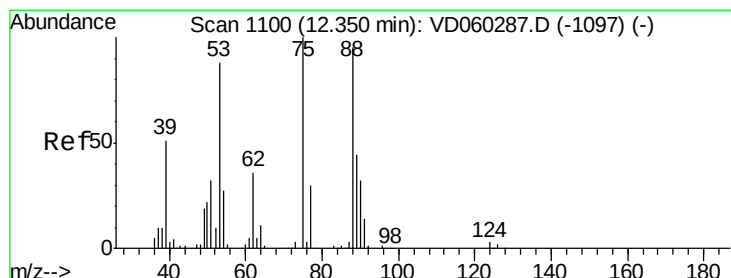
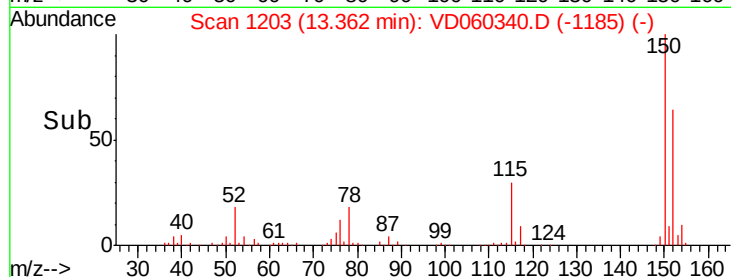
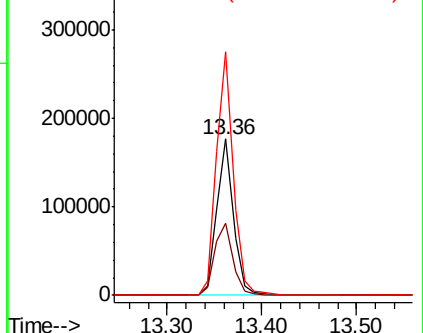
150 155.9 0.0 310.6



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: 93.098 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

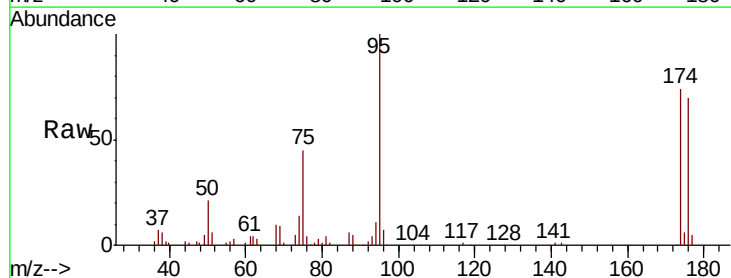
Tgt Ion: 75 Resp: 69069

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

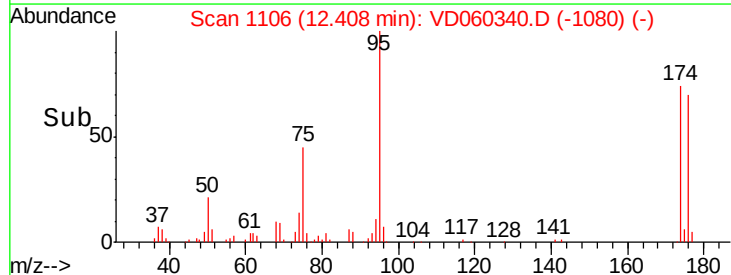
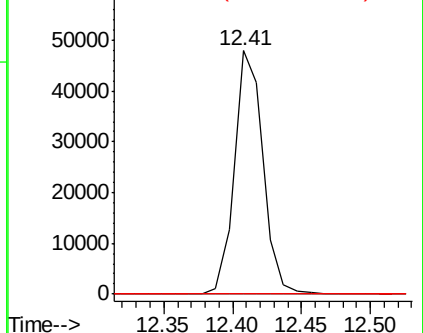
89 0.0 34.1 51.1#

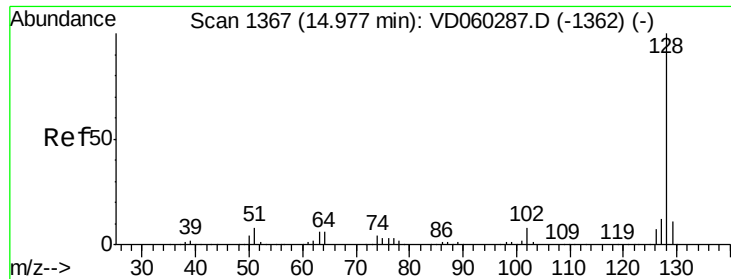


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.076 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VD060340.D

Acq: 12 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

BOTTOM-A

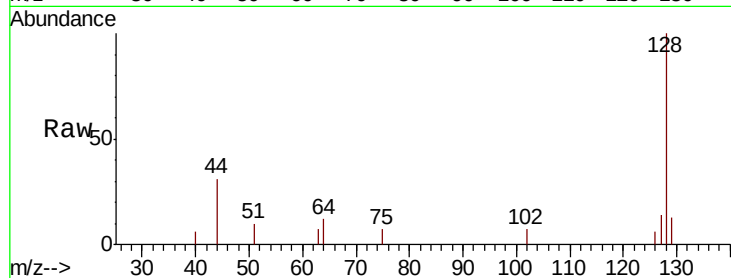
Tgt Ion:128 Resp: 6419

Ion Ratio Lower Upper

128 100

127 14.3 9.6 14.4

129 12.9 8.6 12.8#



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

