

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060404.D
 Acq On : 16 Nov 2018 18:03
 Operator : JC/SY
 Sample : J5964-01
 Misc : 6.65g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LR-RBR-200036

Quant Time: Nov 17 03:01:20 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	6.42	168	1294801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1851161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1474983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	654927	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	362526	39.10	ug/l	0.00
Spiked Amount			Recovery	=	78.20%	
35) Dibromofluoromethane	6.33	113	494830	35.85	ug/l	0.00
Spiked Amount			Recovery	=	71.70%	
50) Toluene-d8	9.46	98	1362771	33.73	ug/l	0.00
Spiked Amount			Recovery	=	67.46%	
62) 4-Bromofluorobenzene	12.44	95	512252	34.99	ug/l	0.00
Spiked Amount			Recovery	=	69.98%	

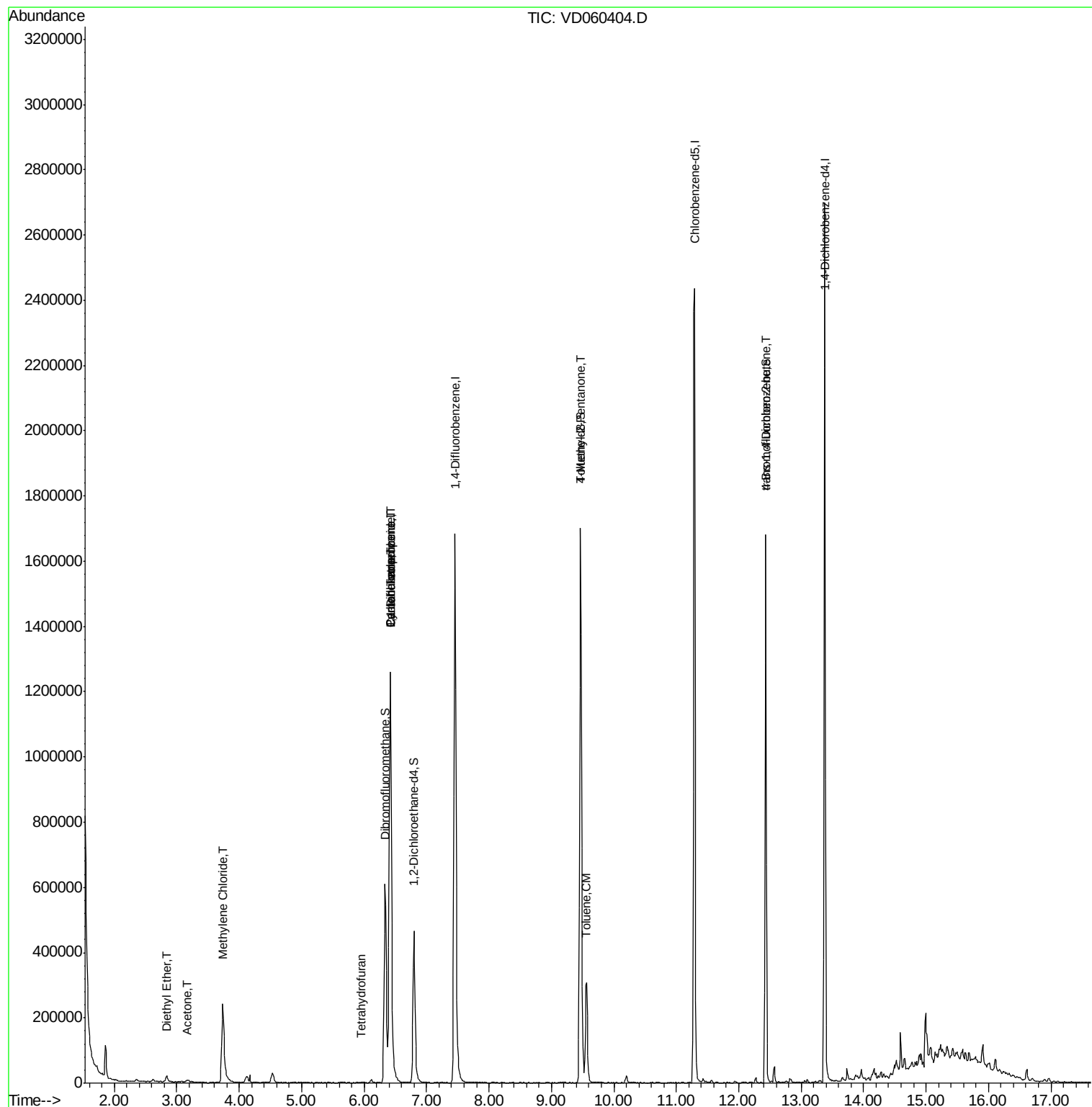
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	188	Below Cal	#	41
8) Diethyl Ether	2.84	74	6841	3.200	ug/l	83
16) Acetone	3.18	43	13469	8.375	ug/l	93
20) Methylene Chloride	3.74	84	156354	10.960	ug/l	97
29) Tetrahydrofuran	5.97	42	2074	1.177	ug/l #	49
31) Cyclohexane	6.41	56	25682	1.160	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	87880	4.805	ug/l #	47
38) Carbon Tetrachloride	6.42	117	107182	6.318	ug/l #	15
51) 4-Methyl-2-Pentanone	9.46	43	7198	1.046	ug/l #	1
52) Toluene	9.56	92	168160	5.639	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.44	75	200776	90.016	ug/l #	15
89) n-Butylbenzene	13.66	91	2457	Below Cal		95

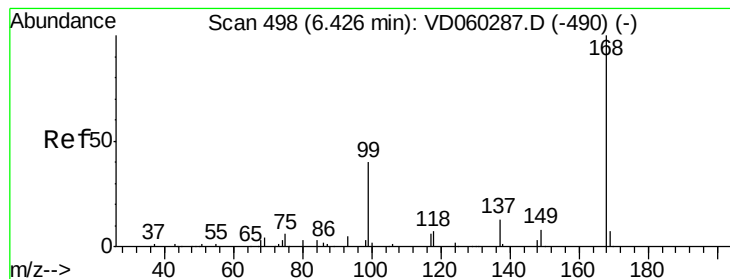
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\
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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060404.D

Acq: 16 Nov 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

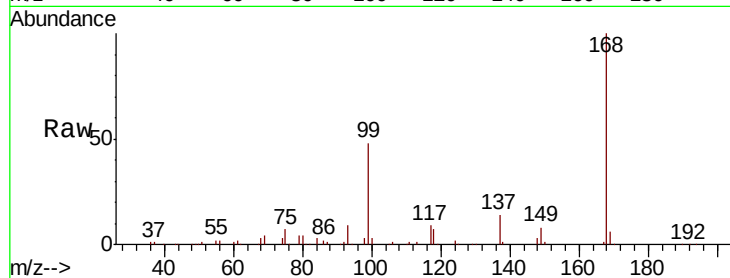
LR-RBR-200036

Tot Ion:168 Resp: 1294801

Ion Ratio Lower Upper

168 100

99 48.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

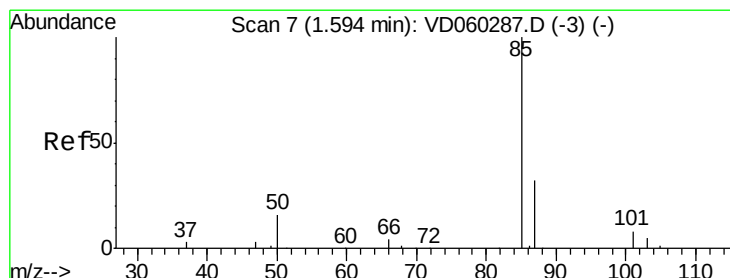
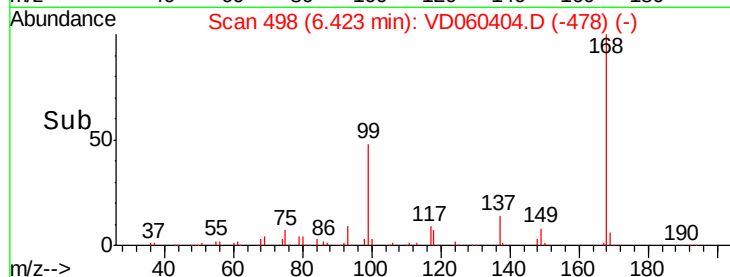
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060404.D

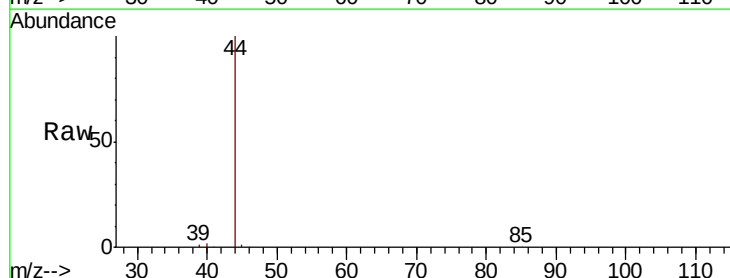
Acq: 16 Nov 2018 18:03

Tgt Ion: 85 Resp: 188

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

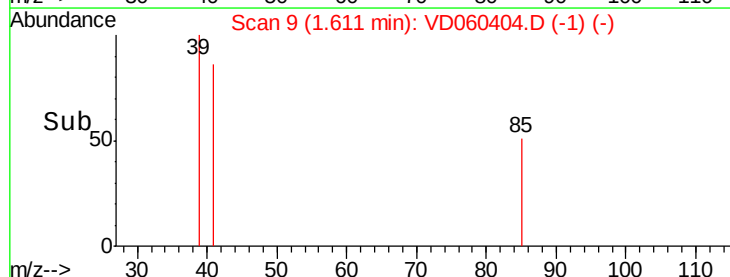
300

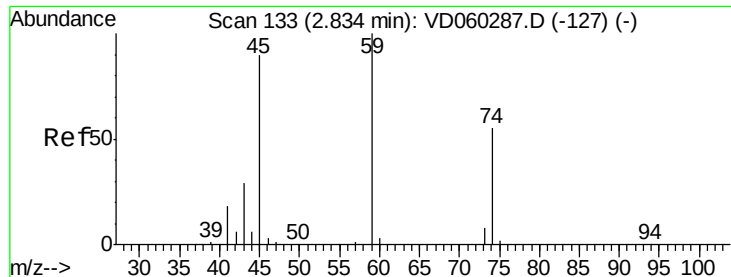
200

100

0

Time-->





#8

Diethyl Ether

Concen: 3.200 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.01 min

Lab File: VD060404.D

Acq: 16 Nov 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

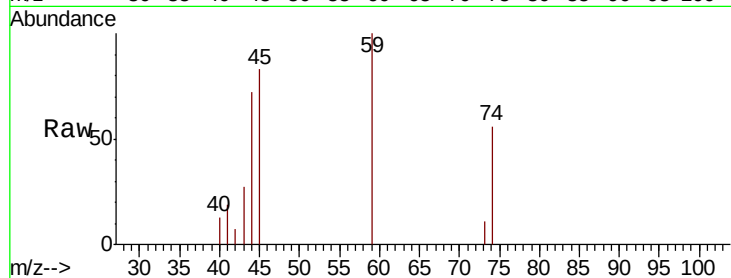
LR-RBR-200036

Tot Ion: 74 Resp: 6841

Ion Ratio Lower Upper

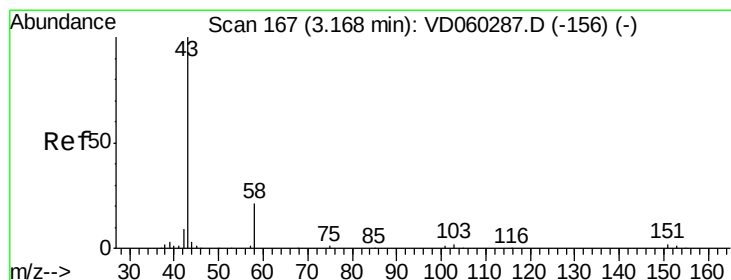
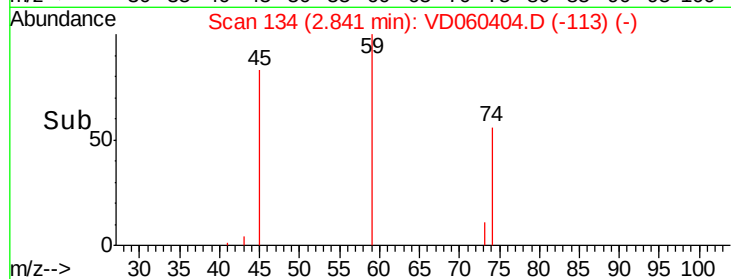
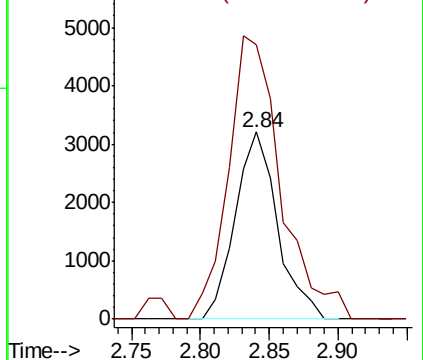
74 100

45 146.4 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 8.375 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060404.D

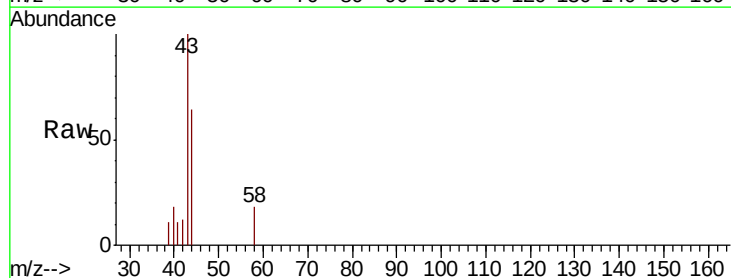
Acq: 16 Nov 2018 18:03

Tgt Ion: 43 Resp: 13469

Ion Ratio Lower Upper

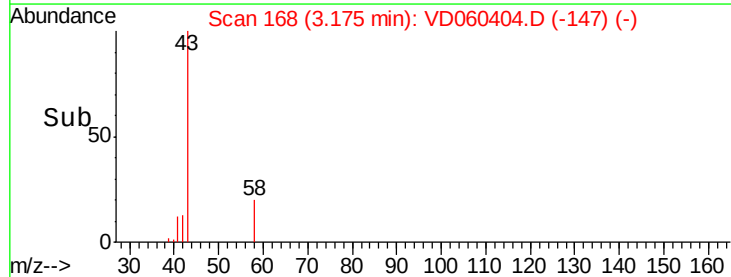
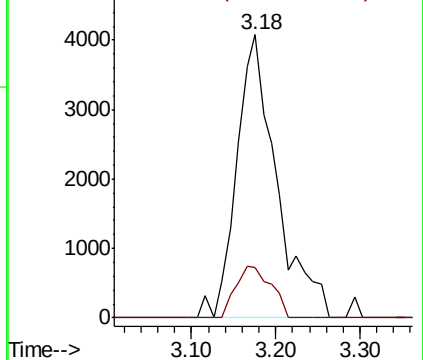
43 100

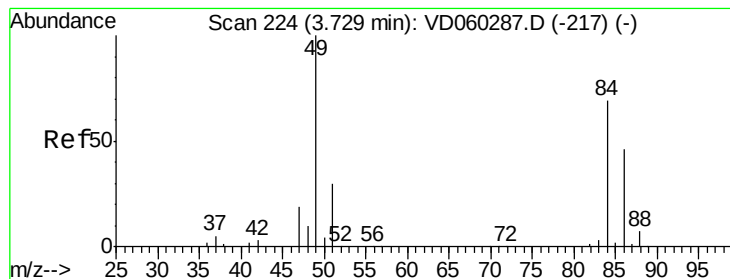
58 18.0 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 10.960 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060404.D

Acq: 16 Nov 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

LR-RBR-200036

Tot Ion: 84 Resp: 156354

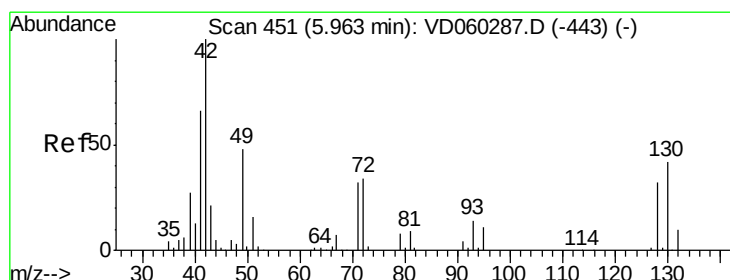
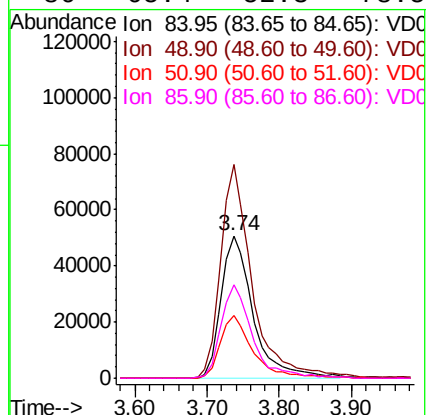
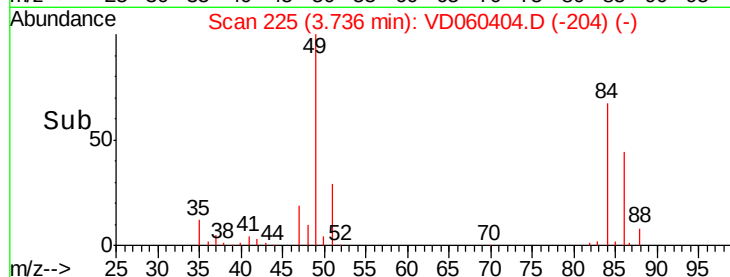
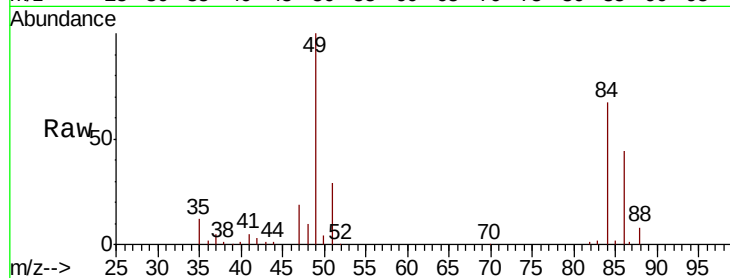
Ion Ratio Lower Upper

84 100

49 149.8 115.6 173.4

51 44.1 35.6 53.4

86 65.4 52.3 78.5



#29

Tetrahydrofuran

Concen: 1.177 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060404.D

Acq: 16 Nov 2018 18:03

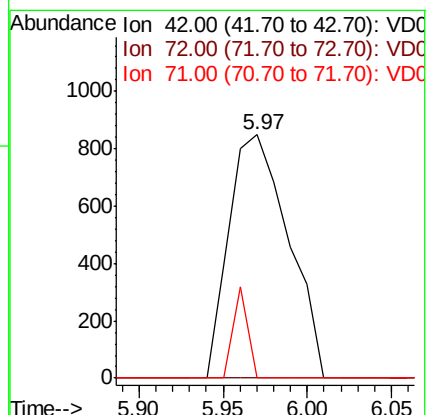
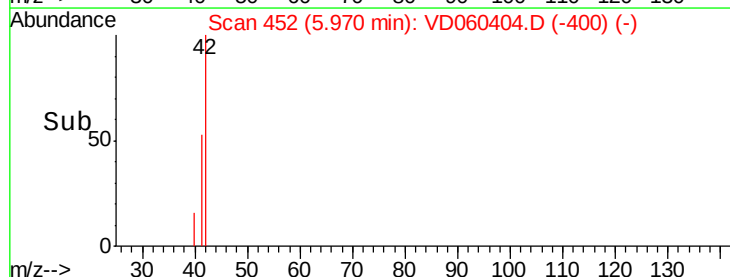
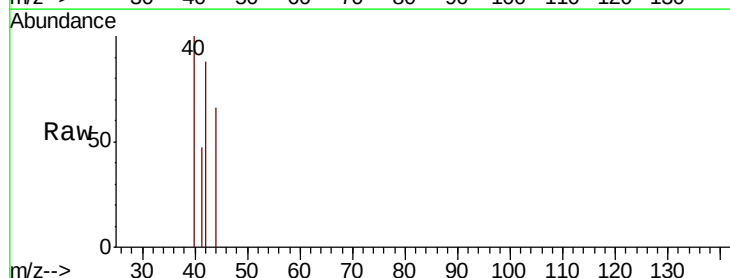
Tgt Ion: 42 Resp: 2074

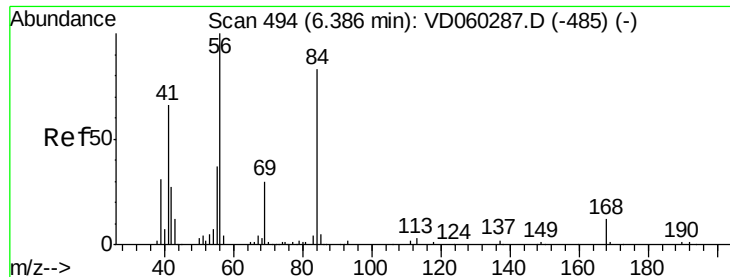
Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

71 9.0 26.5 39.7#

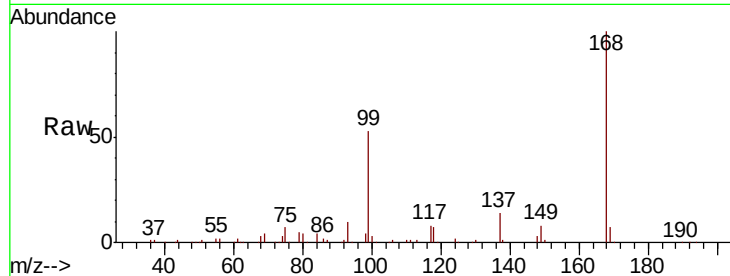




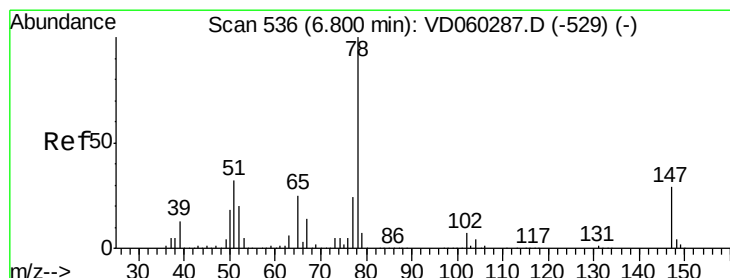
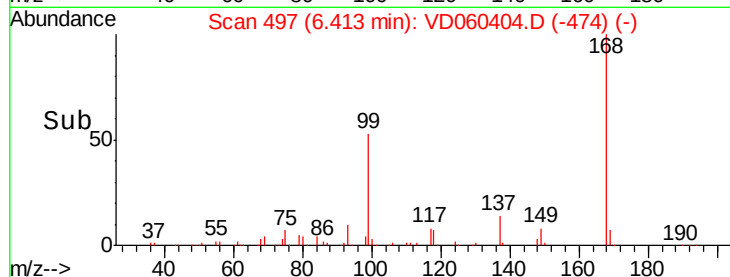
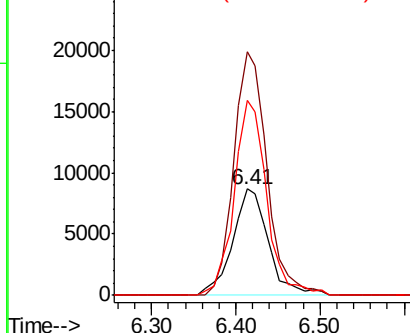
#31
Cyclohexane
Concen: 1.160 ug/l
RT: 6.41 min Scan# 497
Delta R.T. 0.03 min
Lab File: VD060404.D
Acq: 16 Nov 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
LR-RBR-200036

Tot Ion: 56 Resp: 25682
Ion Ratio Lower Upper
56 100
69 229.0 22.2 33.2#
84 183.4 63.0 94.4#

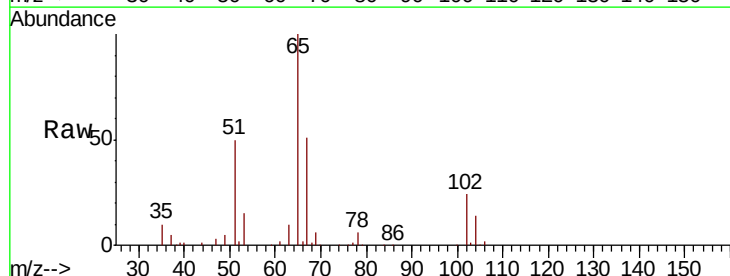


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

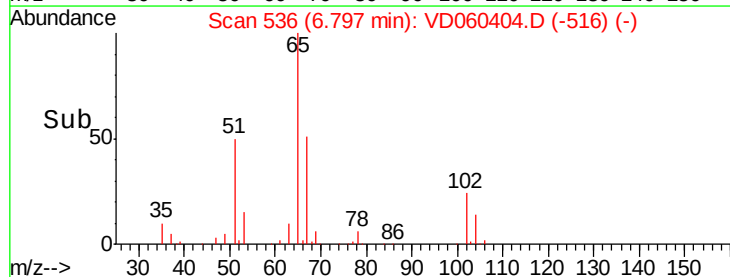
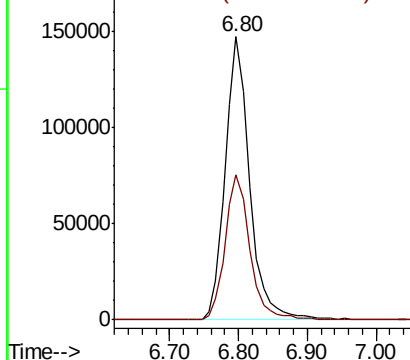


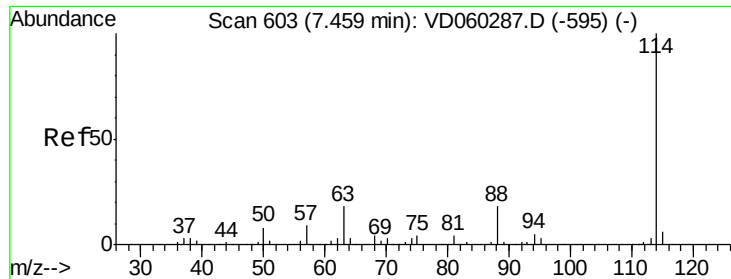
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060404.D
Acq: 16 Nov 2018 18:03

Tgt Ion: 65 Resp: 362526
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

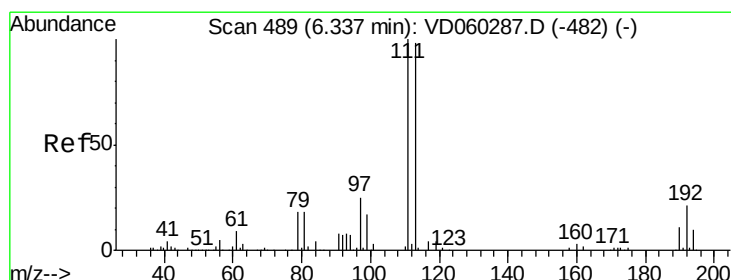
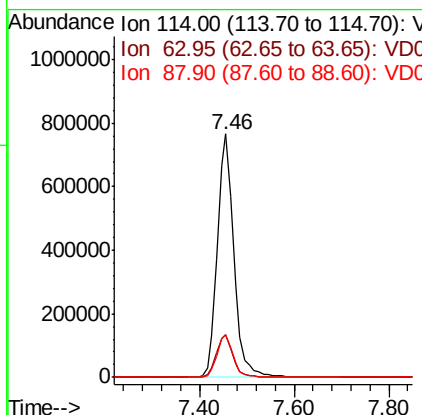
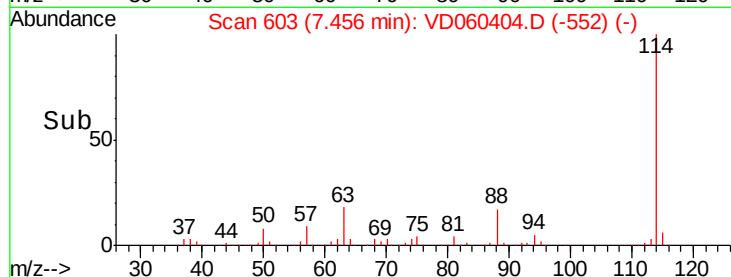
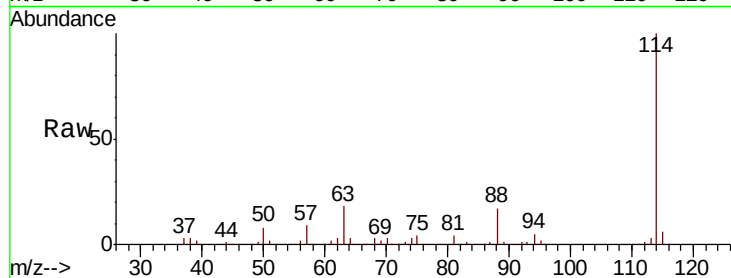




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VD060404.D
 Acq: 16 Nov 2018 18:03

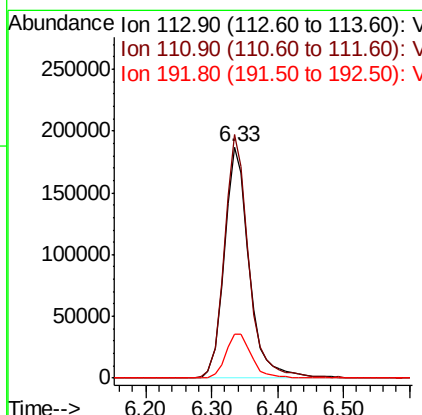
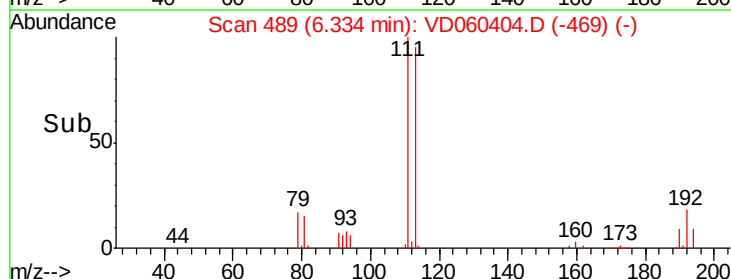
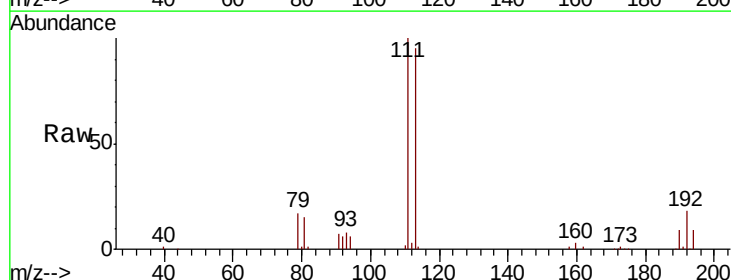
Instrument :
 MSVOA_D
 ClientSampleId :
 LR-RBR-200036

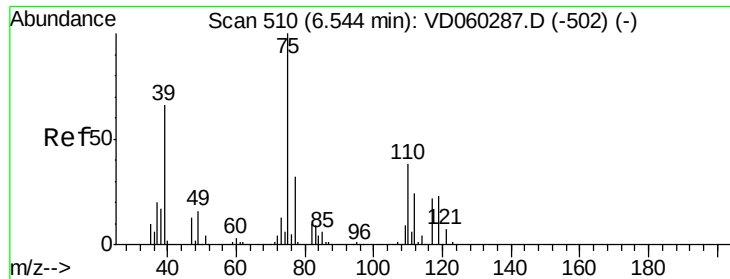
Tot Ion:114 Resp: 1851161
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.0
 88 17.4 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060404.D
 Acq: 16 Nov 2018 18:03

Tgt Ion:113 Resp: 494830
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.6 122.4
 192 19.2 16.5 24.7

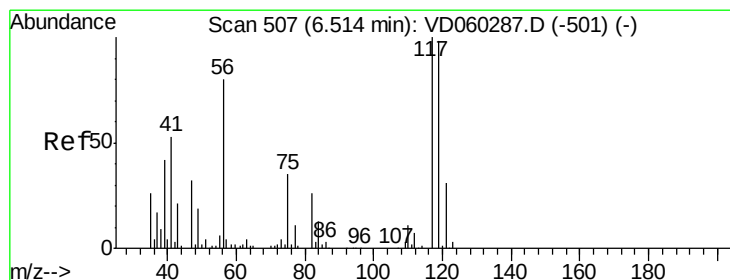
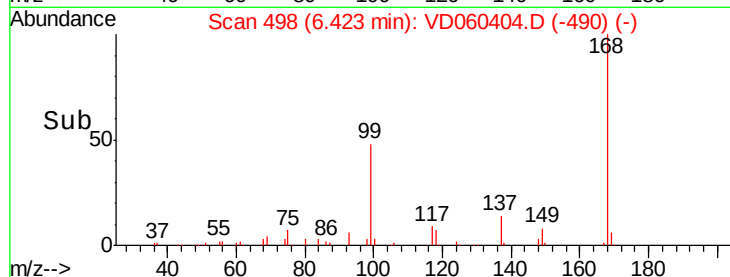
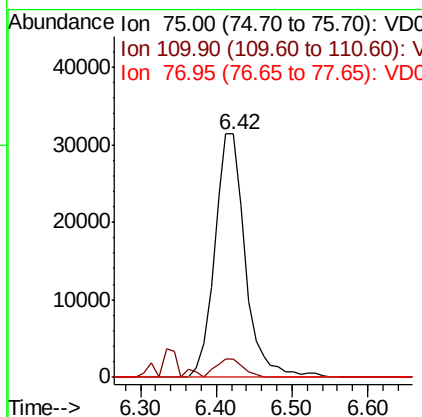
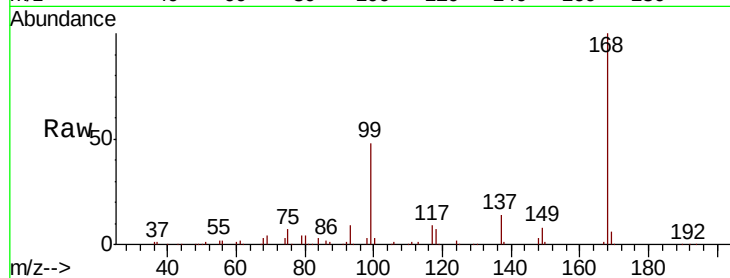




#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.12 min
 Lab File: VD060404.D
 Acq: 16 Nov 2018 18:03

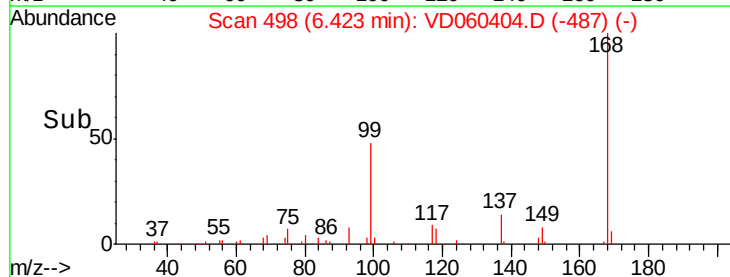
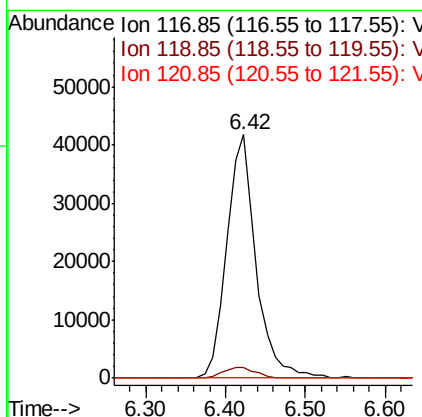
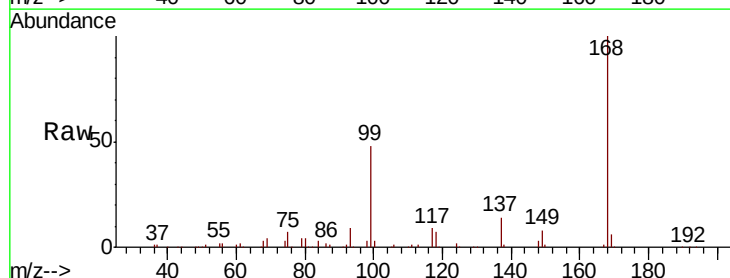
Instrument :
 MSVOA_D
 ClientSampleId :
 LR-RBR-200036

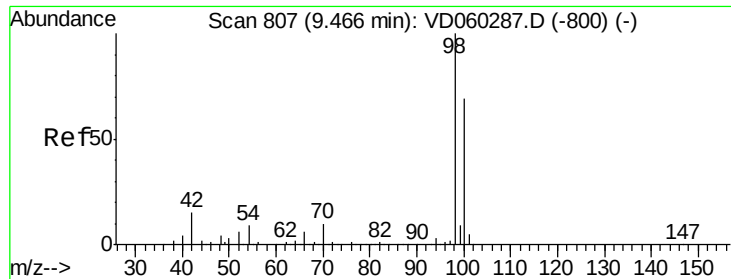
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.0	54.0#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.318 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.09 min
 Lab File: VD060404.D
 Acq: 16 Nov 2018 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.6	115.0#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060404.D

Acq: 16 Nov 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

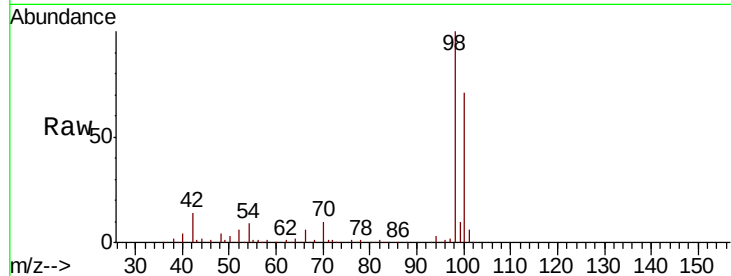
LR-RBR-200036

Tot Ion: 98 Resp: 1362771

Ion Ratio Lower Upper

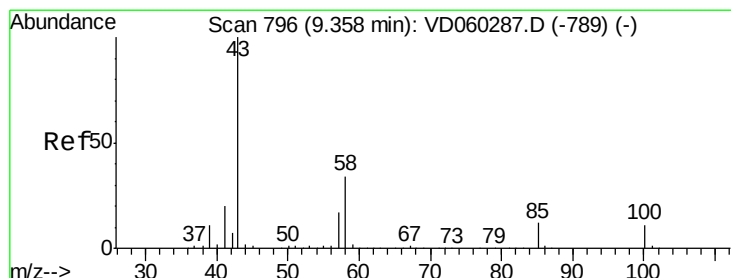
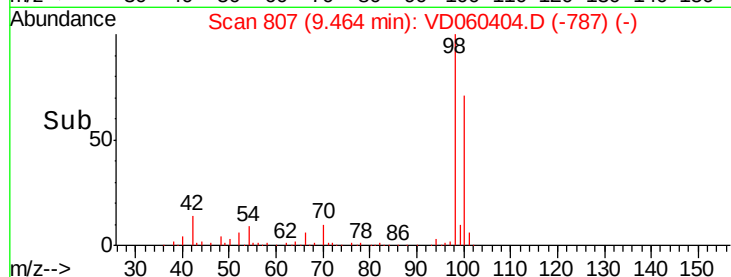
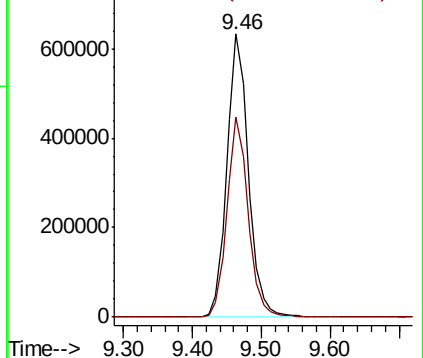
98 100

100 70.6 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.046 ug/l

RT: 9.46 min Scan# 807

Delta R.T. 0.11 min

Lab File: VD060404.D

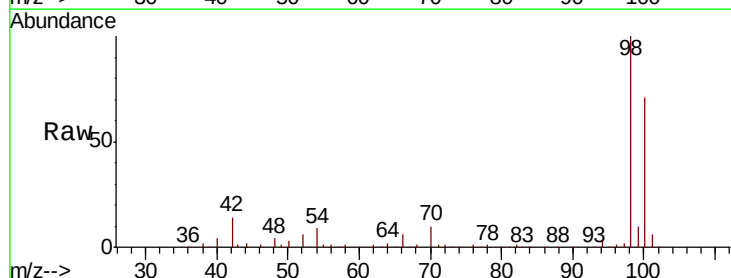
Acq: 16 Nov 2018 18:03

Tgt Ion: 43 Resp: 7198

Ion Ratio Lower Upper

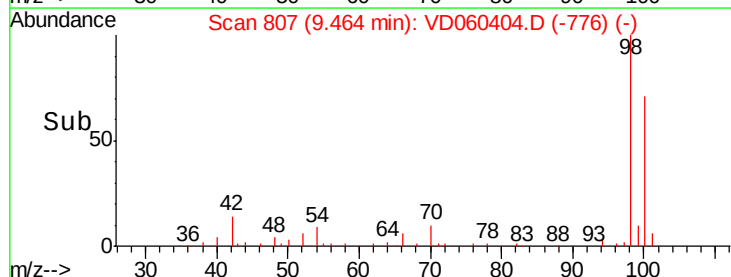
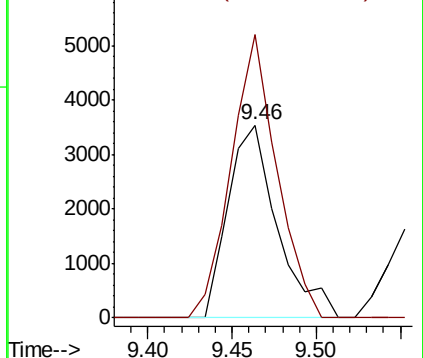
43 100

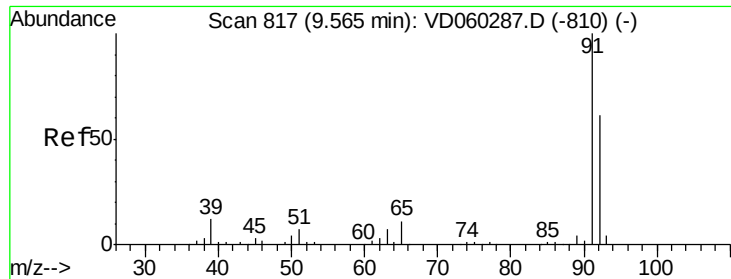
58 146.7 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 5.639 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060404.D

Acq: 16 Nov 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

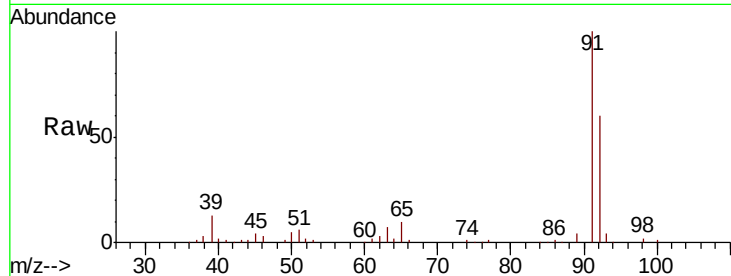
LR-RBR-200036

Tot Ion: 92 Resp: 168160

Ion Ratio Lower Upper

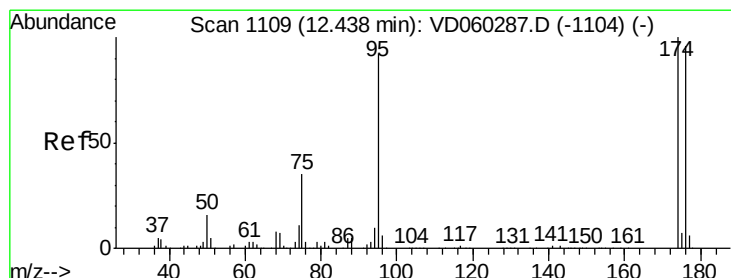
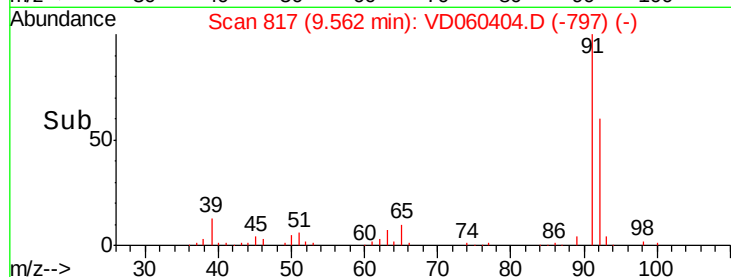
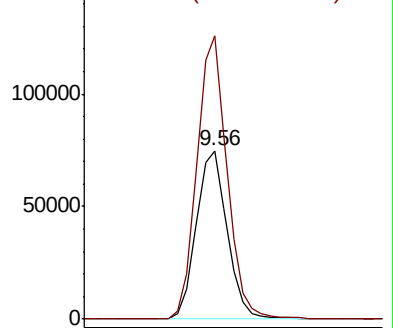
92 100

91 167.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060404.D

Acq: 16 Nov 2018 18:03

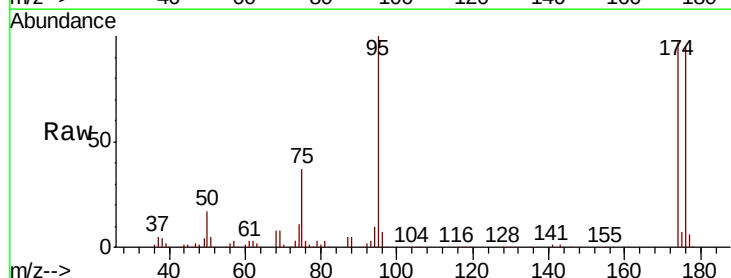
Tgt Ion: 95 Resp: 512252

Ion Ratio Lower Upper

95 100

174 97.3 0.0 160.8

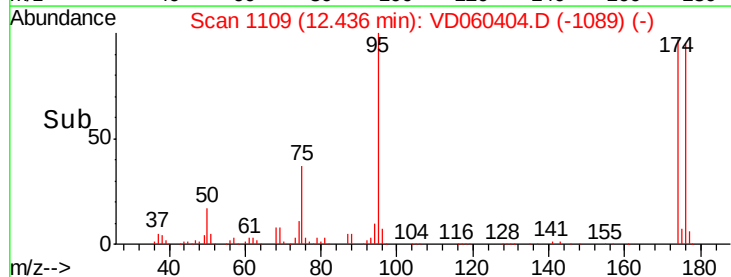
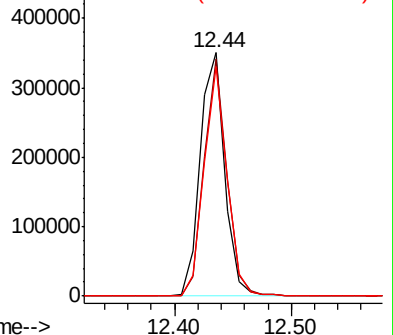
176 94.5 0.0 154.6

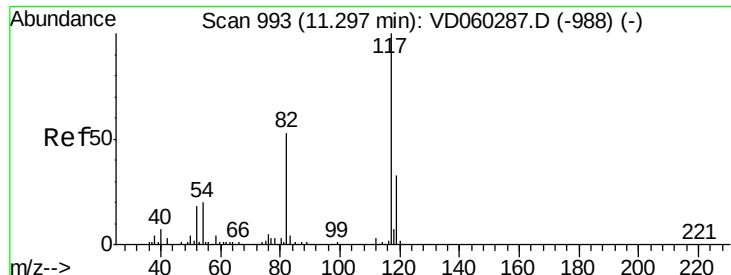


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

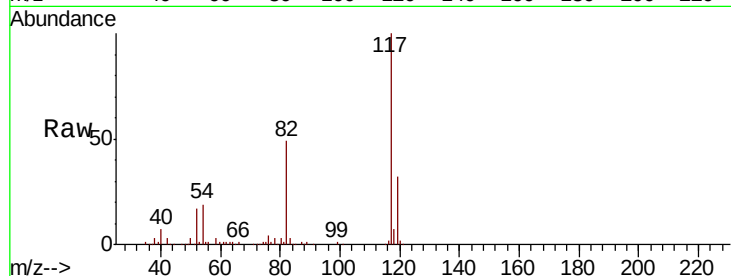




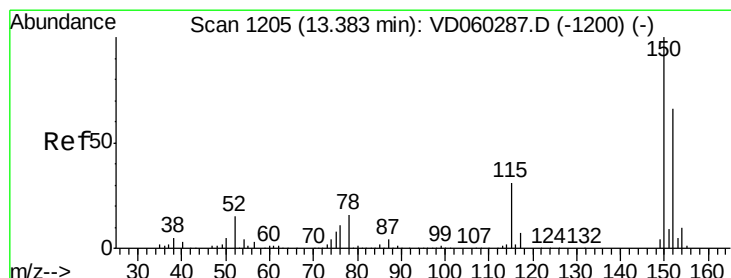
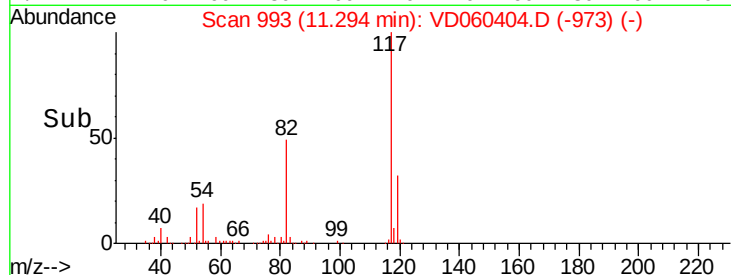
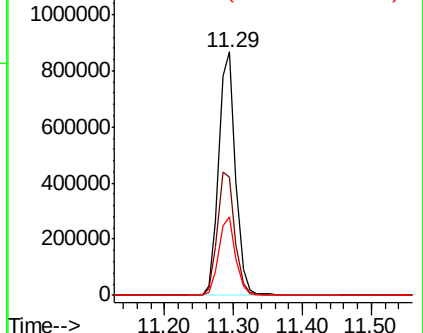
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060404.D
Acq: 16 Nov 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
LR-RBR-200036

Tot Ion:117 Resp: 1474983
Ion Ratio Lower Upper
117 100
82 48.7 43.7 65.5
119 32.3 26.1 39.1

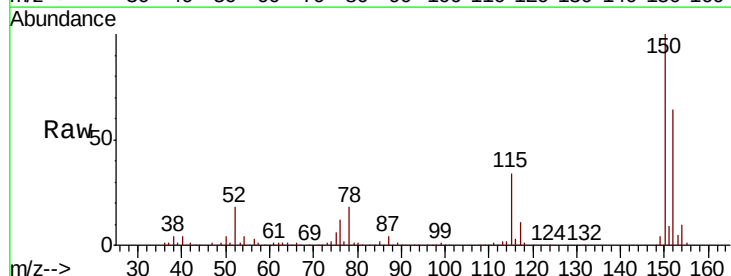


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

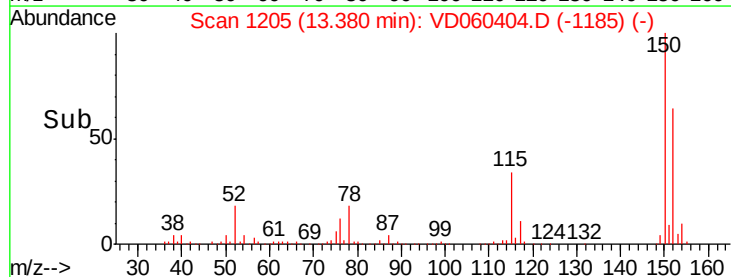
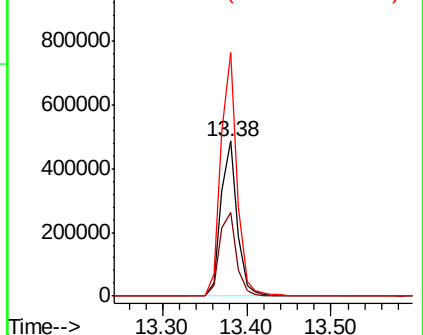


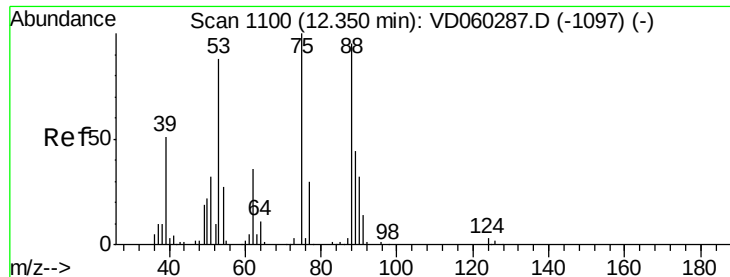
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060404.D
Acq: 16 Nov 2018 18:03

Tgt Ion:152 Resp: 654927
Ion Ratio Lower Upper
152 100
115 54.0 24.1 72.3
150 157.1 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: 90.016 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060404.D

Acq: 16 Nov 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

LR-RBR-200036

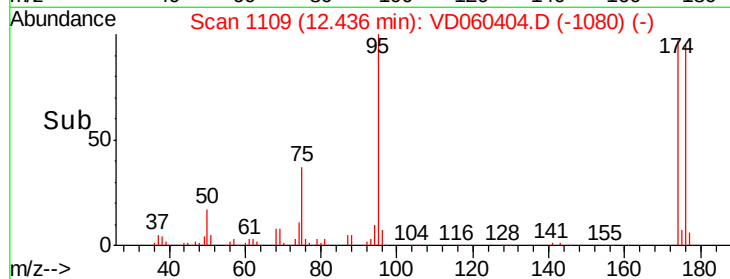
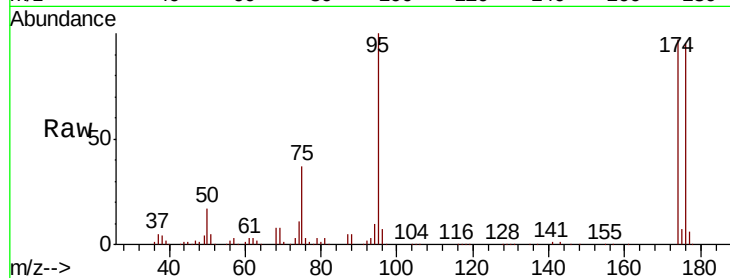
Tot Ion: 75 Resp: 200776

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

