

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060402.D
 Acq On : 16 Nov 2018 17:07
 Operator : JC/SY
 Sample : J5964-04
 Misc : 6.52g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LR-RBR-200029

Quant Time: Nov 17 03:00:09 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	1292343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1920232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1453160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	598763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	1297	0.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.28%	
35) Dibromofluoromethane	6.34	113	994	0.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.14%	
50) Toluene-d8	9.46	98	6599	0.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.32%	
62) 4-Bromofluorobenzene	12.44	95	4041	0.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.54%	

Target Compounds

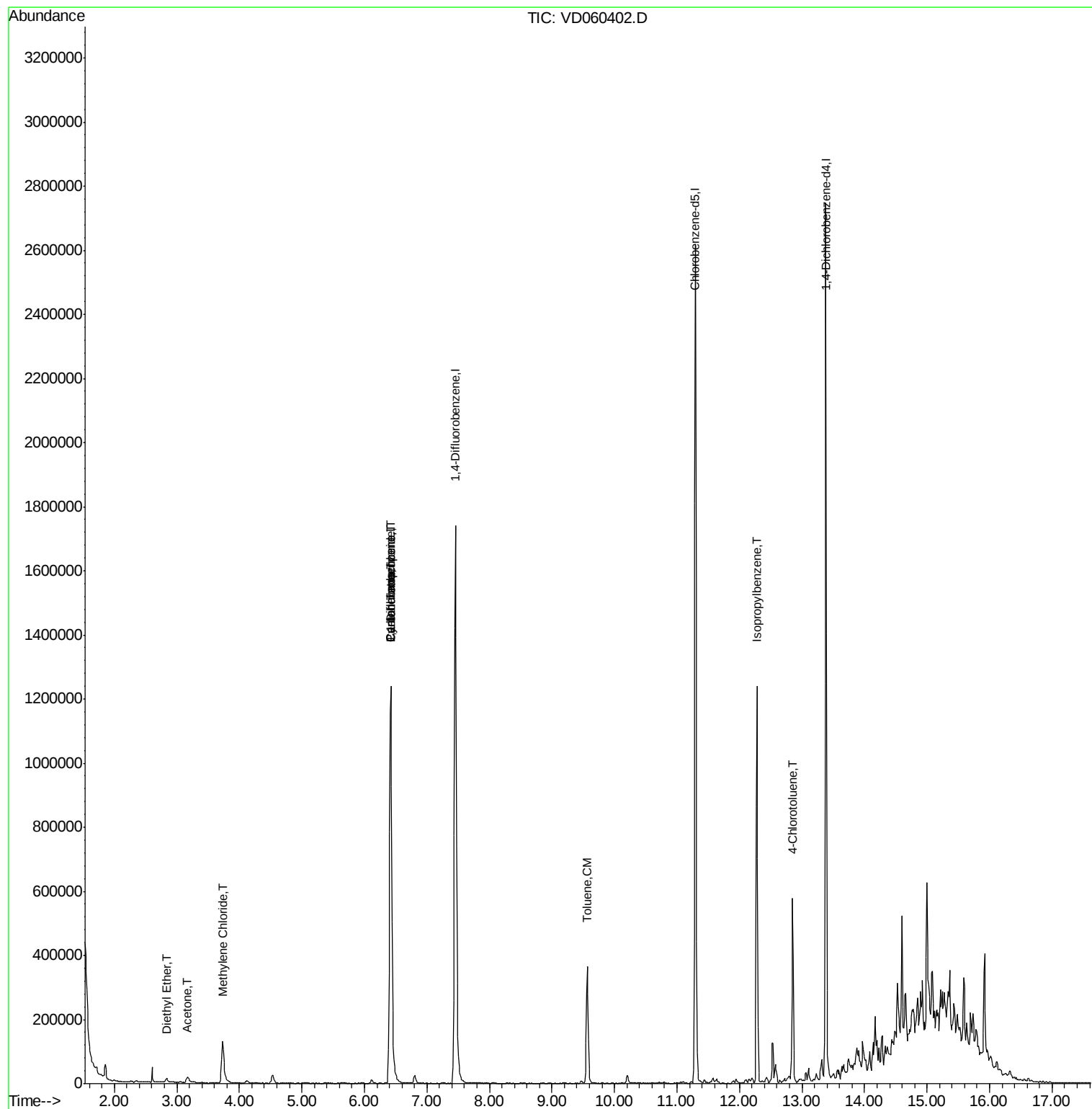
					Qvalue
2) Dichlorodifluoromethane	1.60	85	203	Below Cal	# 41
8) Diethyl Ether	2.84	74	4226	1.980	ug/l 80
16) Acetone	3.17	43	38891	24.230	ug/l 99
20) Methylene Chloride	3.74	84	86958	6.107	ug/l 98
31) Cyclohexane	6.42	56	23745	1.075	ug/l # 1
36) 1,1-Dichloropropene	6.41	75	86699	4.570	ug/l # 46
38) Carbon Tetrachloride	6.42	117	102563	5.828	ug/l # 15
52) Toluene	9.56	92	189400	6.123	ug/l 97
73) Isopropylbenzene	12.28	105	47329	1.085	ug/l # 61
82) 4-Chlorotoluene	12.85	91	55368	1.653	ug/l # 45
89) n-Butylbenzene	13.66	91	10308	Below Cal	95

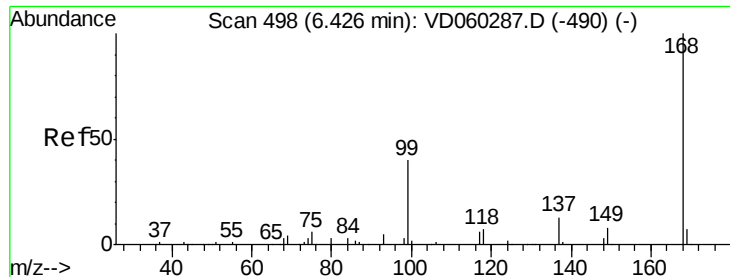
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD060402.D

Acq: 16 Nov 2018 17:07

Instrument :

MSVOA_D

ClientSampleId :

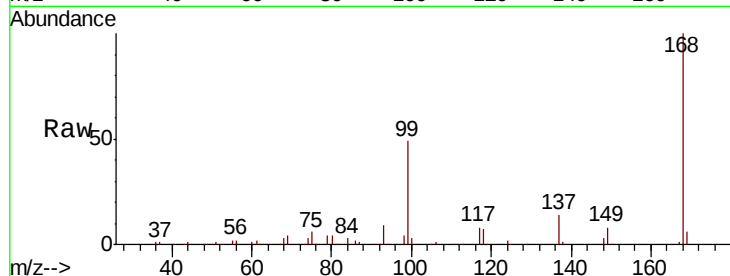
LR-RBR-200029

Tot Ion:168 Resp: 1292343

Ion Ratio Lower Upper

168 100

99 49.2 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

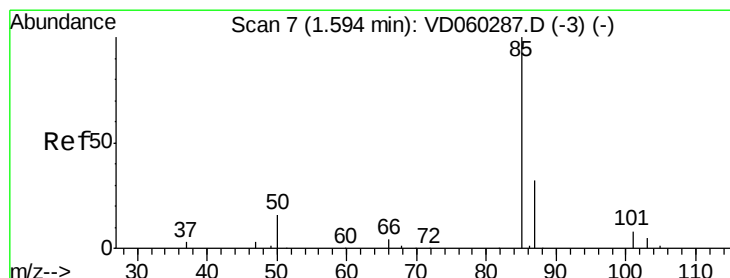
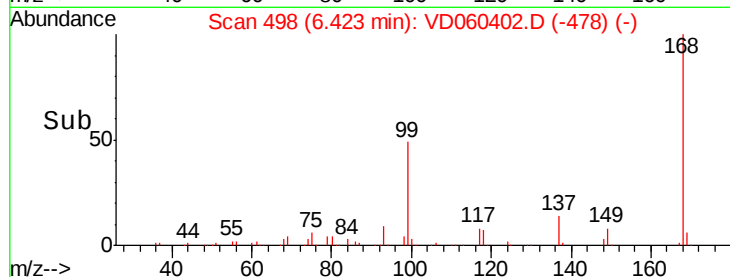
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060402.D

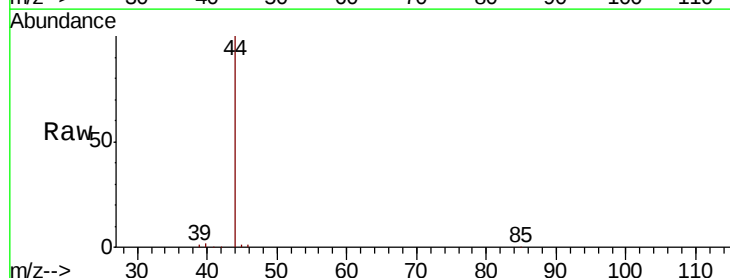
Acq: 16 Nov 2018 17:07

Tgt Ion: 85 Resp: 203

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

400

300

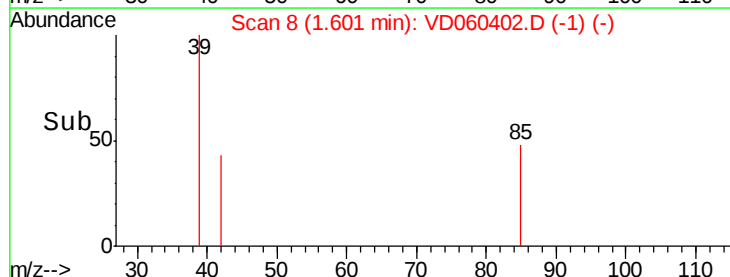
200

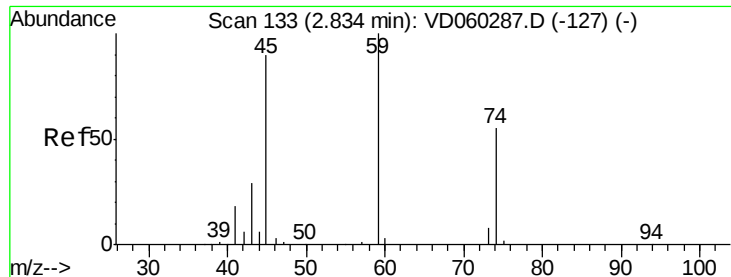
100

0

1.58 1.60 1.62

Time-->





#8

Diethyl Ether

Concen: 1.980 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.01 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

Instrument :

MSVOA_D

ClientSampleId :

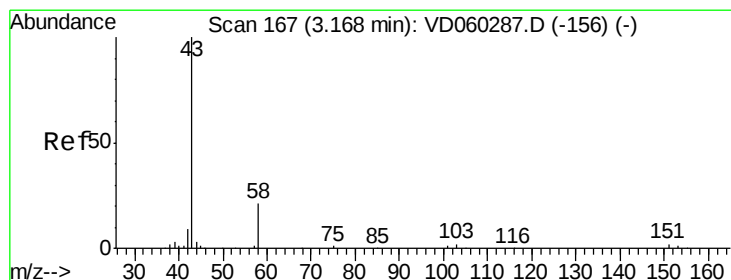
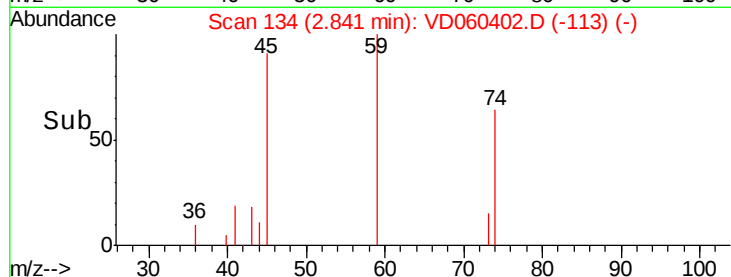
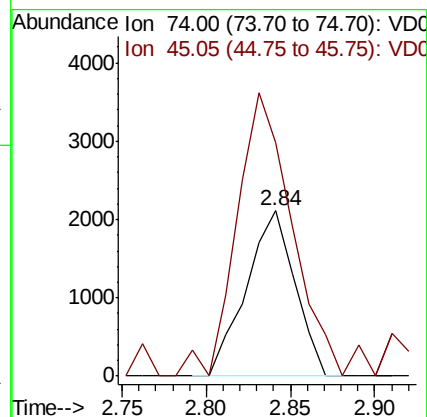
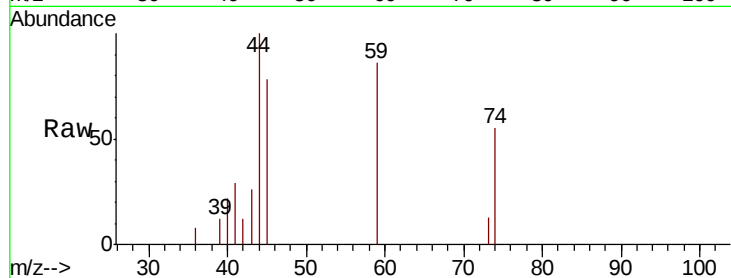
LR-RBR-200029

Tot Ion: 74 Resp: 4226

Ion Ratio Lower Upper

74 100

45 141.7 84.8 254.4



#16

Acetone

Concen: 24.230 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060402.D

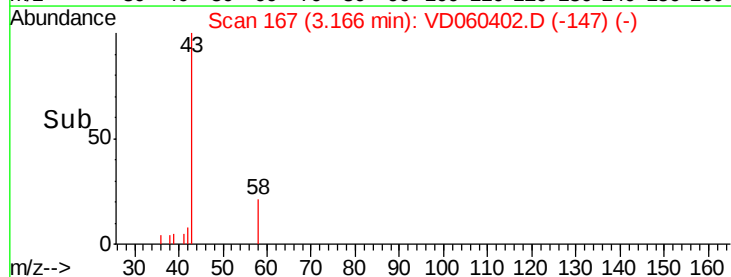
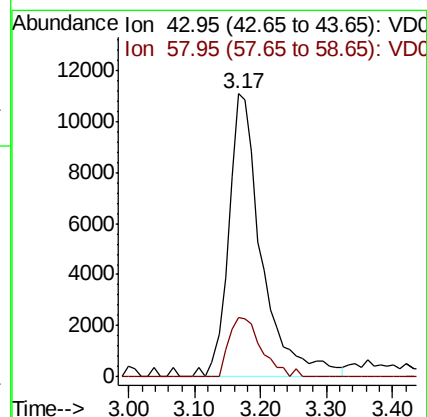
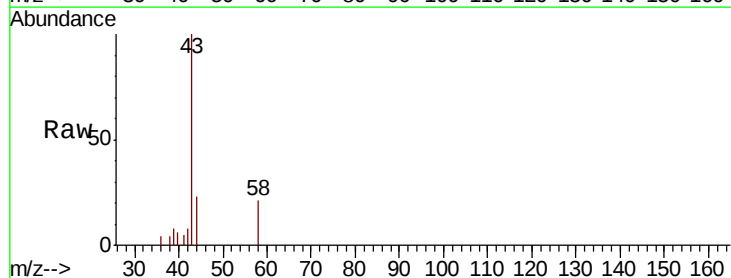
Acq: 16 Nov 2018 17:07

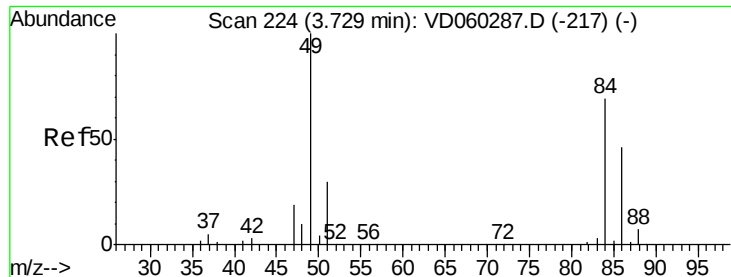
Tgt Ion: 43 Resp: 38891

Ion Ratio Lower Upper

43 100

58 20.8 16.9 25.3

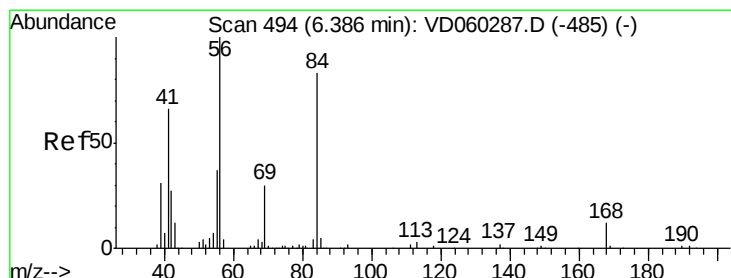
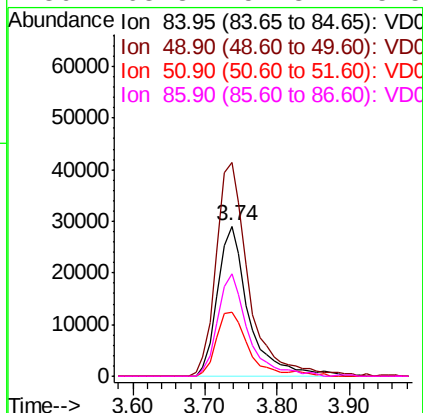
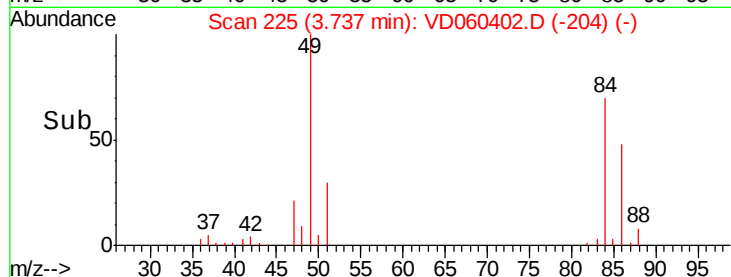
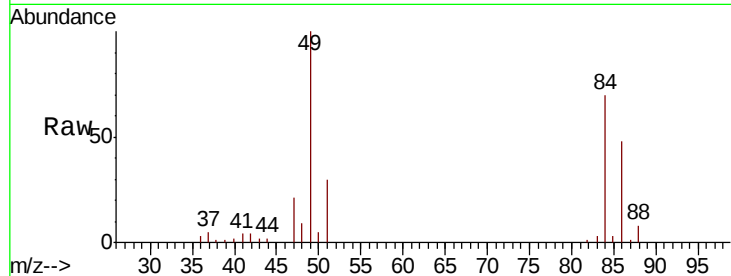




#20
Methylene Chloride
Concen: 6.107 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060402.D
Acq: 16 Nov 2018 17:07

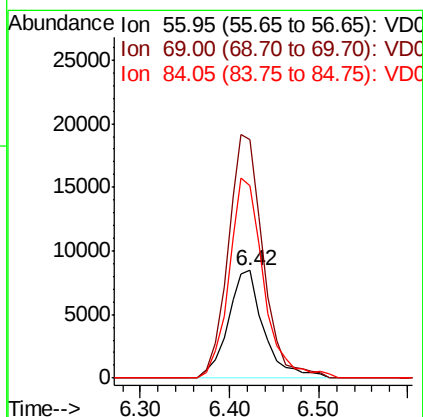
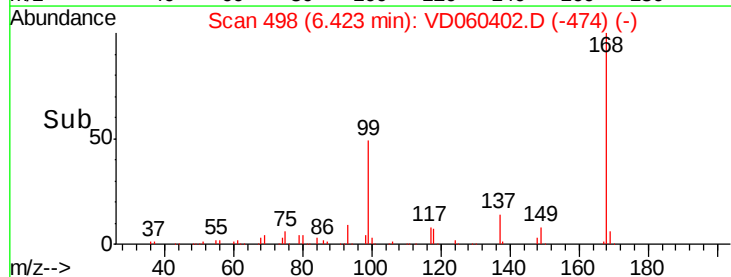
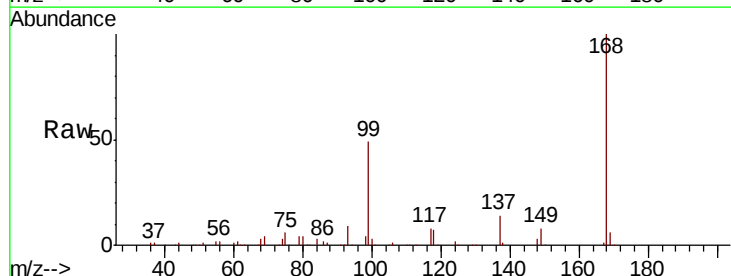
Instrument :
MSVOA_D
ClientSampleId :
LR-RBR-200029

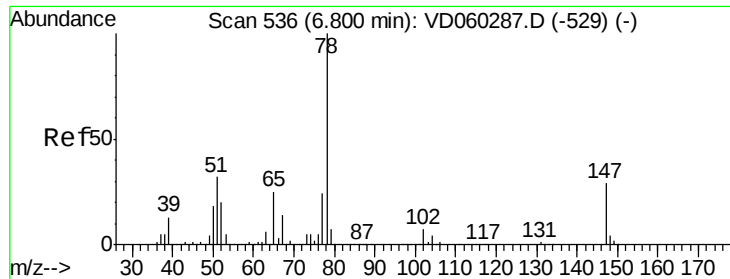
Tot Ion:	84	Resp:	86958
Ion	Ratio	Lower	Upper
84	100		
49	142.1	115.6	173.4
51	42.9	35.6	53.4
86	68.3	52.3	78.5



#31
Cyclohexane
Concen: 1.075 ug/l
RT: 6.42 min Scan# 498
Delta R.T. 0.04 min
Lab File: VD060402.D
Acq: 16 Nov 2018 17:07

Tgt Ion:	56	Resp:	23745
Ion	Ratio	Lower	Upper
56	100		
69	221.3	22.2	33.2#
84	178.9	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

Instrument :

MSVOA_D

ClientSampleId :

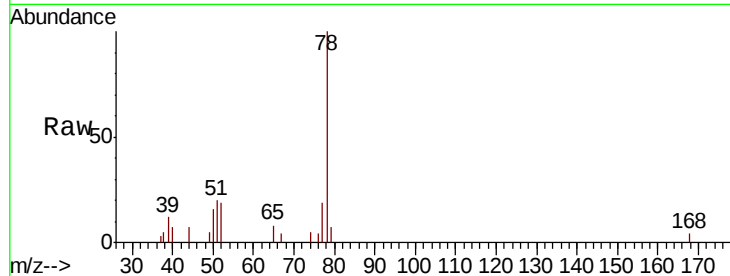
LR-RBR-200029

Tot Ion: 65 Resp: 1297

Ion Ratio Lower Upper

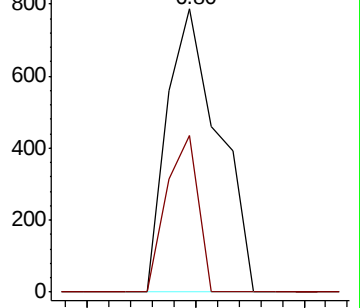
65 100

67 55.3 0.0 109.8

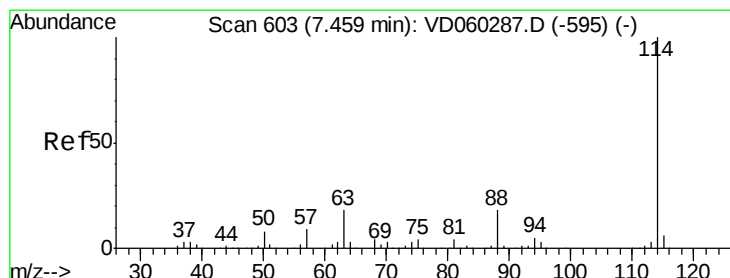
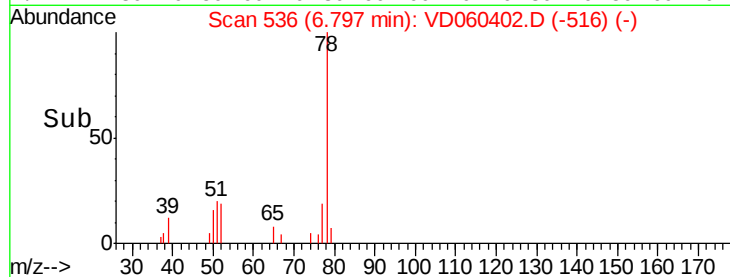


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

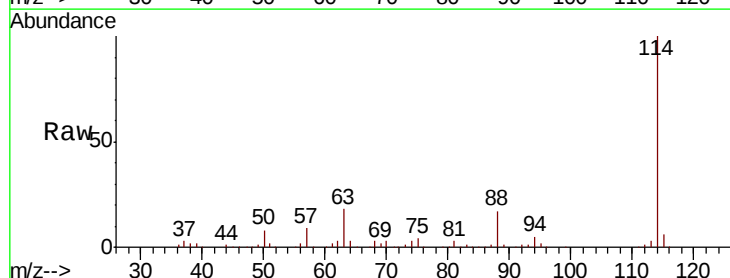
Tgt Ion:114 Resp: 1920232

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.0

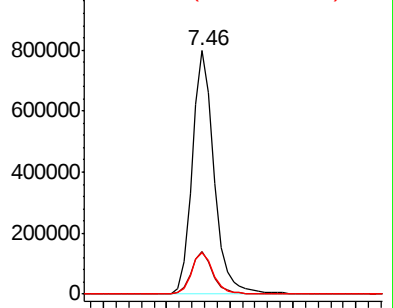
88 17.1 0.0 35.4



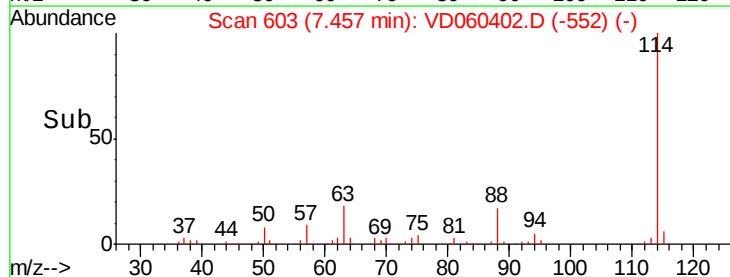
Abundance Ion 114.00 (113.70 to 114.70): V

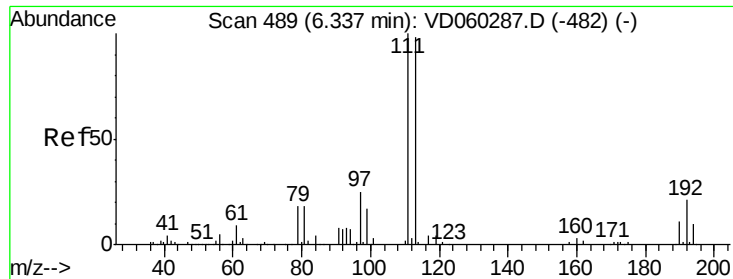
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

Instrument :

MSVOA_D

ClientSampleId :

LR-RBR-200029

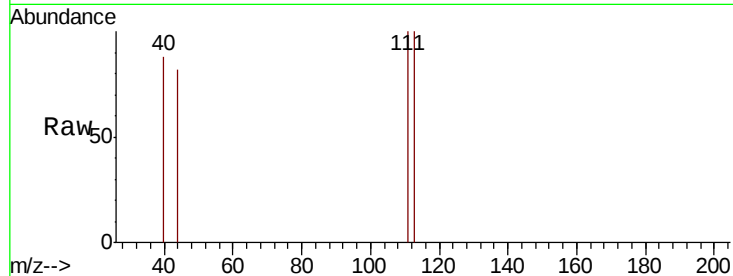
Tot Ion:113 Resp: 994

Ion Ratio Lower Upper

113 100

111 100.5 81.6 122.4

192 0.0 16.5 24.7#



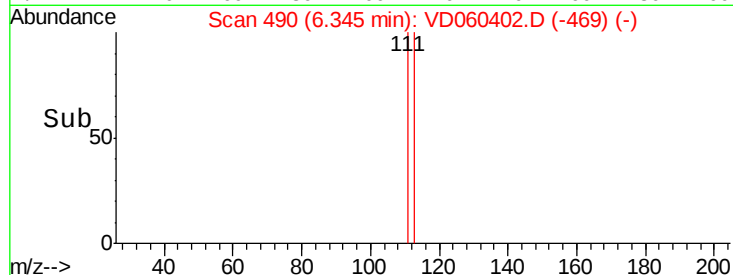
Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

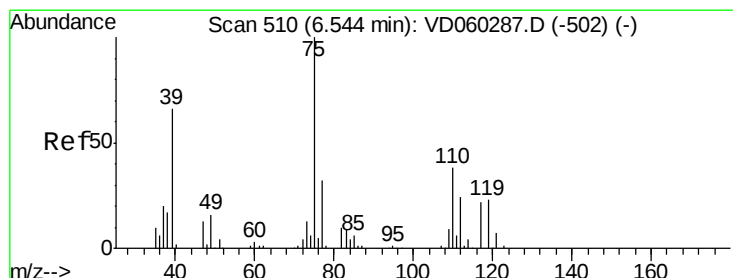
Ion 191.80 (191.50 to 192.50): V

6.34

6.30 6.35



Time-->



#36

1,1-Dichloropropene

Concen: 4.570 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.13 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

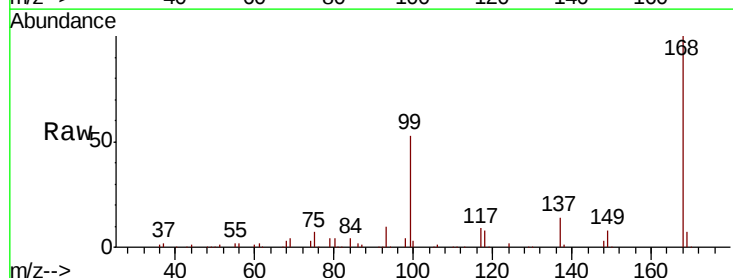
Tgt Ion: 75 Resp: 86699

Ion Ratio Lower Upper

75 100

110 6.4 18.0 54.0#

77 0.0 25.6 38.4#



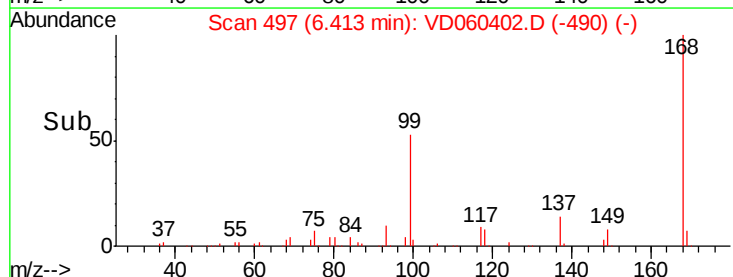
Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

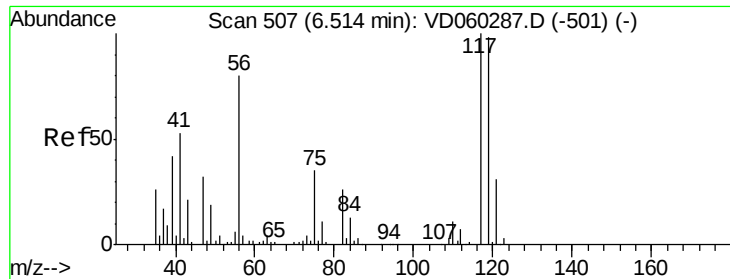
Ion 76.95 (76.65 to 77.65): V

6.41

6.30 6.40 6.50 6.60



Time-->



#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.09 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

Instrument :

MSVOA_D

ClientSampleId :

LR-RBR-200029

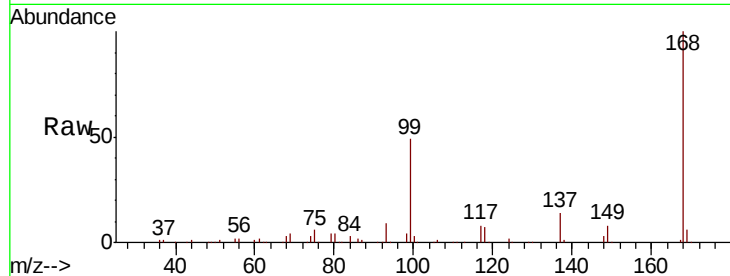
Tot Ion:117 Resp: 102563

Ion Ratio Lower Upper

117 100

119 4.0 76.6 115.0#

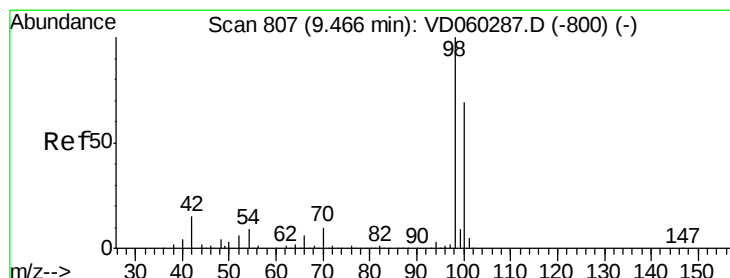
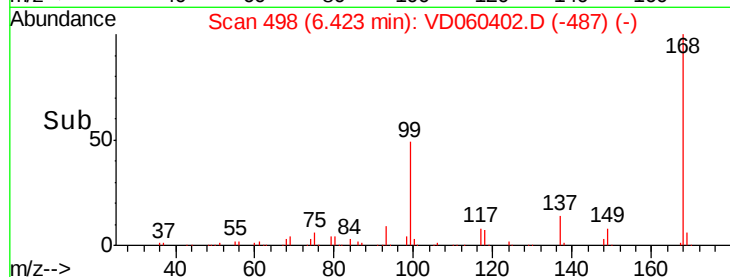
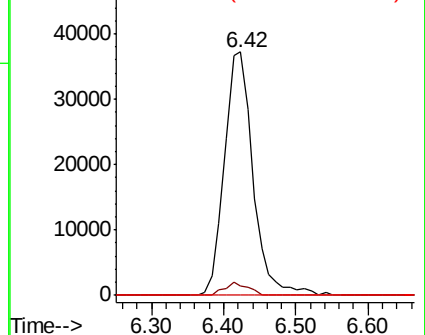
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060402.D

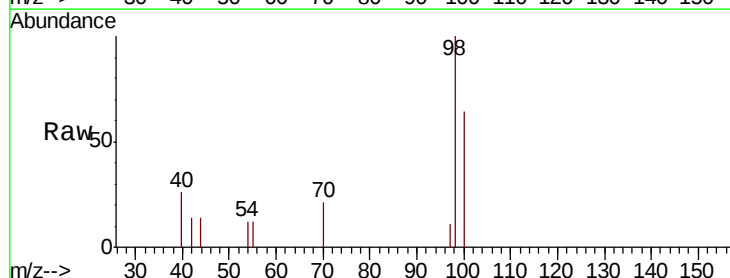
Acq: 16 Nov 2018 17:07

Tgt Ion: 98 Resp: 6599

Ion Ratio Lower Upper

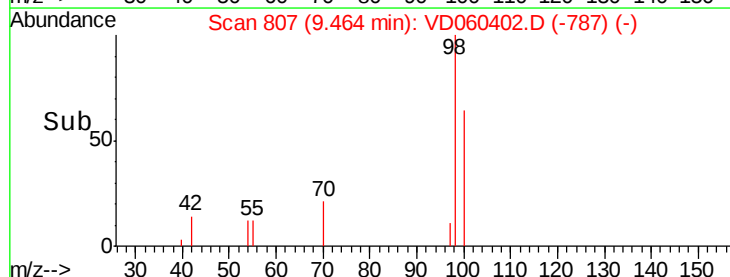
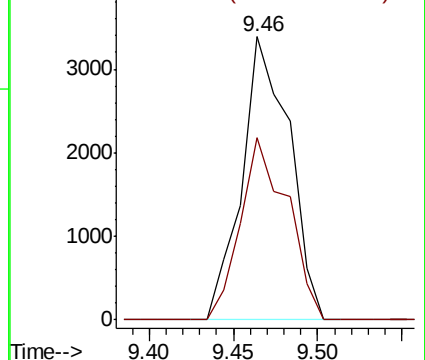
98 100

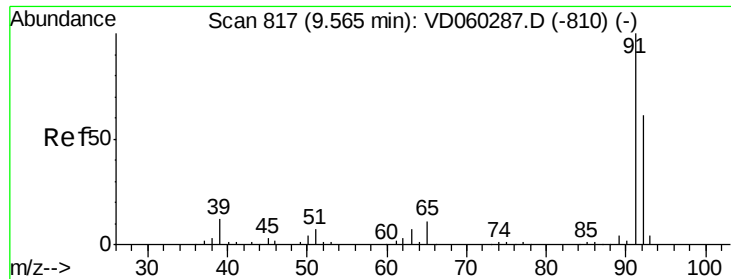
100 64.4 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 6.123 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

Instrument :

MSVOA_D

ClientSampleId :

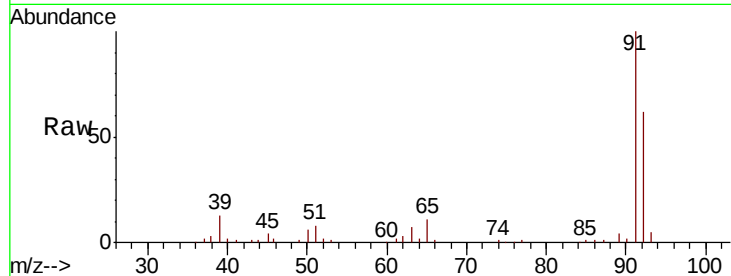
LR-RBR-200029

Tot Ion: 92 Resp: 189400

Ion Ratio Lower Upper

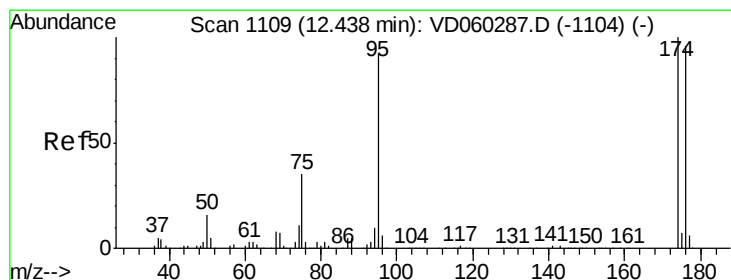
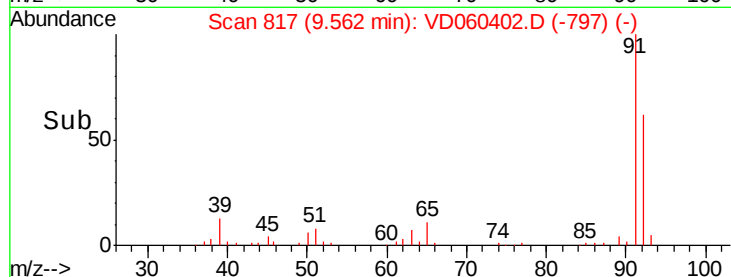
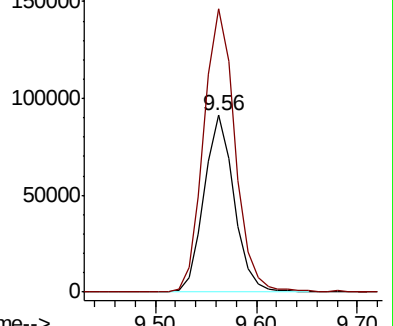
92 100

91 160.2 131.9 197.9



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: VD060402.D

Acq: 16 Nov 2018 17:07

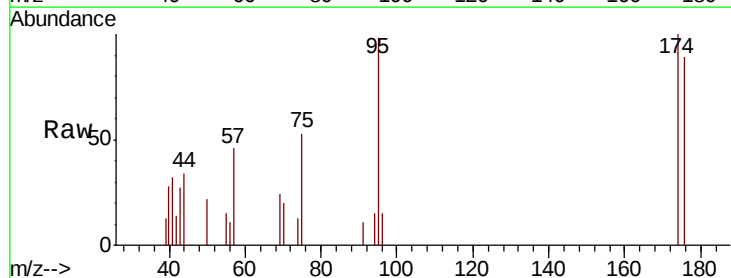
Tgt Ion: 95 Resp: 4041

Ion Ratio Lower Upper

95 100

174 101.5 0.0 160.8

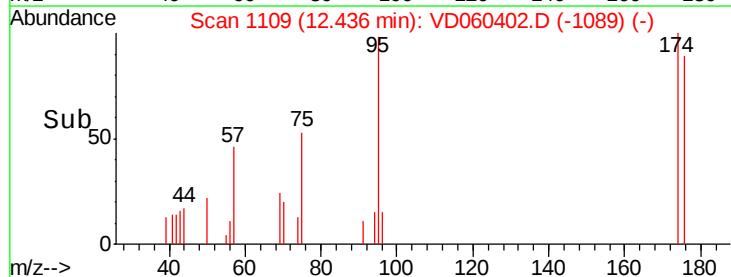
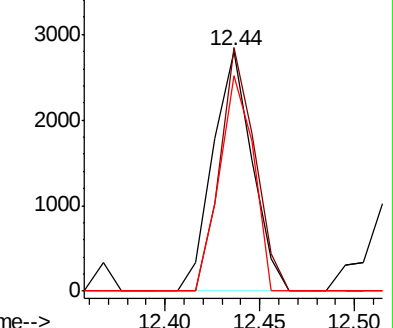
176 90.0 0.0 154.6

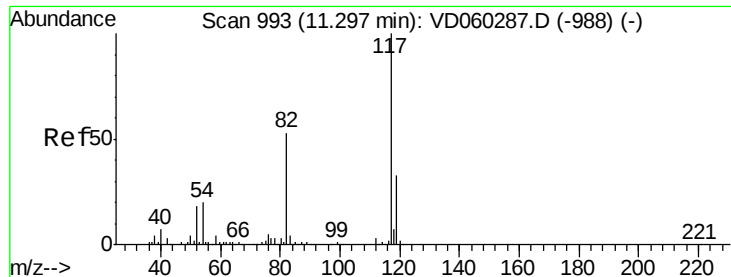


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

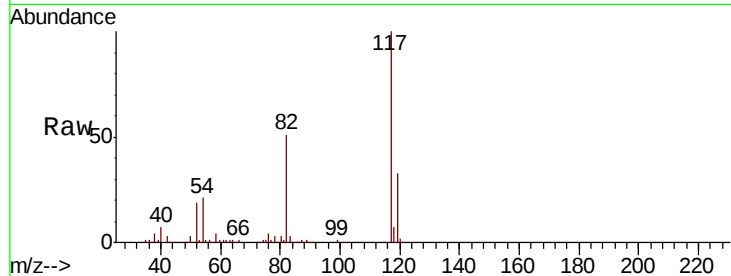




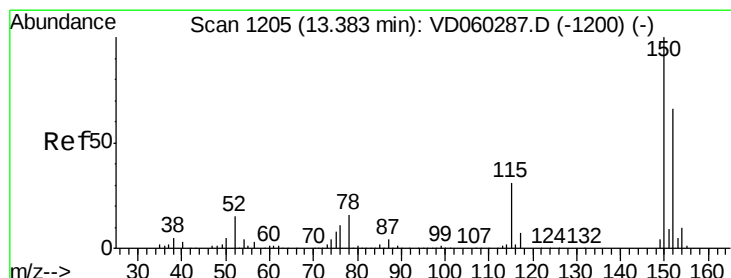
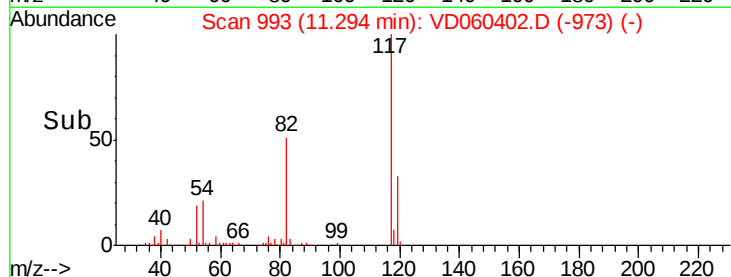
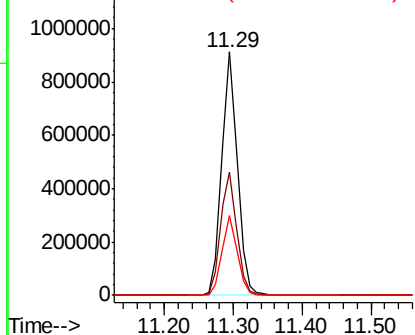
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060402.D
Acq: 16 Nov 2018 17:07

Instrument :
MSVOA_D
ClientSampleId :
LR-RBR-200029

Tot Ion:117 Resp: 1453160
Ion Ratio Lower Upper
117 100
82 50.7 43.7 65.5
119 32.6 26.1 39.1

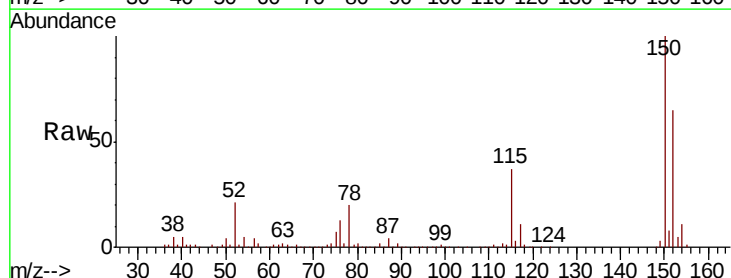


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

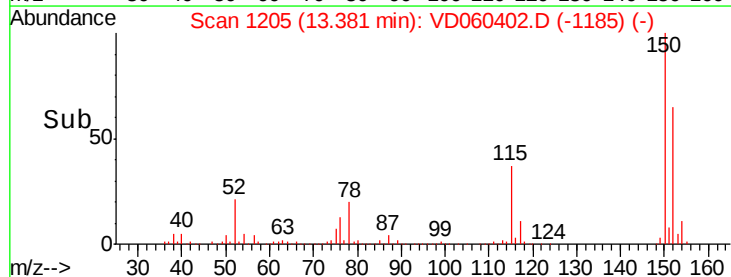
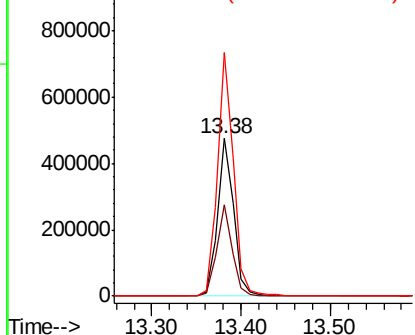


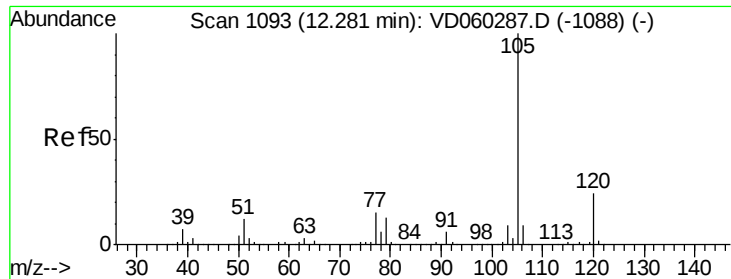
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060402.D
Acq: 16 Nov 2018 17:07

Tgt Ion:152 Resp: 598763
Ion Ratio Lower Upper
152 100
115 58.0 24.1 72.3
150 154.7 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





#73

Isopropylbenzene

Concen: 1.085 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

Instrument :

MSVOA_D

ClientSampleId :

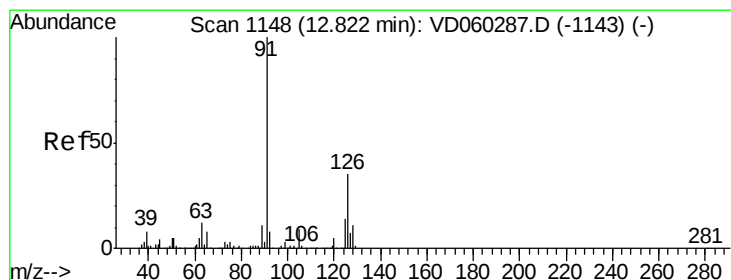
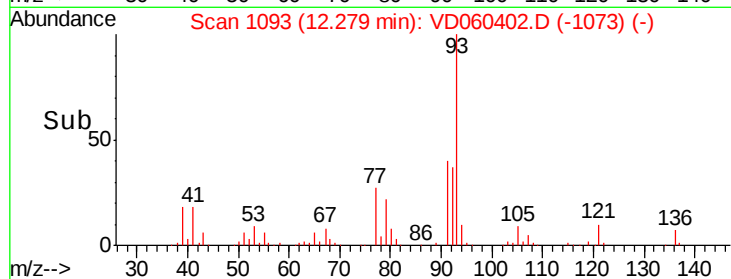
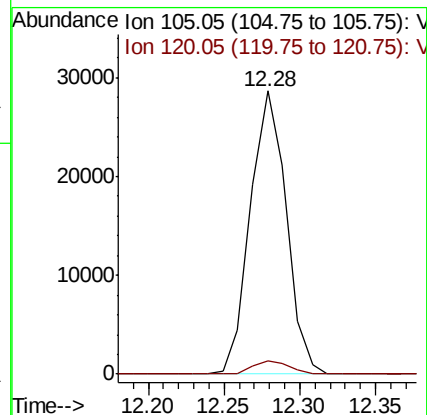
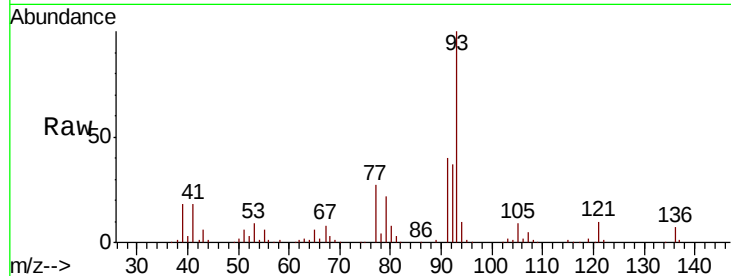
LR-RBR-200029

Tot Ion:105 Resp: 47329

Ion Ratio Lower Upper

105 100

120 4.6 12.1 36.3#



#82

4-Chlorotoluene

Concen: 1.653 ug/l

RT: 12.85 min Scan# 1151

Delta R.T. 0.03 min

Lab File: VD060402.D

Acq: 16 Nov 2018 17:07

Tgt Ion: 91 Resp: 55368

Ion Ratio Lower Upper

91 100

126 0.0 14.8 44.4#

