

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060546.D
 Acq On : 12 Dec 2018 14:49
 Operator : VA/AP
 Sample : J6189-05
 Misc : 5.7g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-121118-C

Quant Time: Dec 13 00:43:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1304665	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1887171	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1375355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	545390	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	458652	49.60	ug/l	-0.01
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	6.32	113	619660	44.70	ug/l	-0.01
Spiked Amount			Recovery	=	89.40%	
50) Toluene-d8	9.45	98	1452941	36.22	ug/l	-0.01
Spiked Amount			Recovery	=	72.44%	
62) 4-Bromofluorobenzene	12.42	95	482083	33.59	ug/l	-0.01
Spiked Amount			Recovery	=	67.18%	

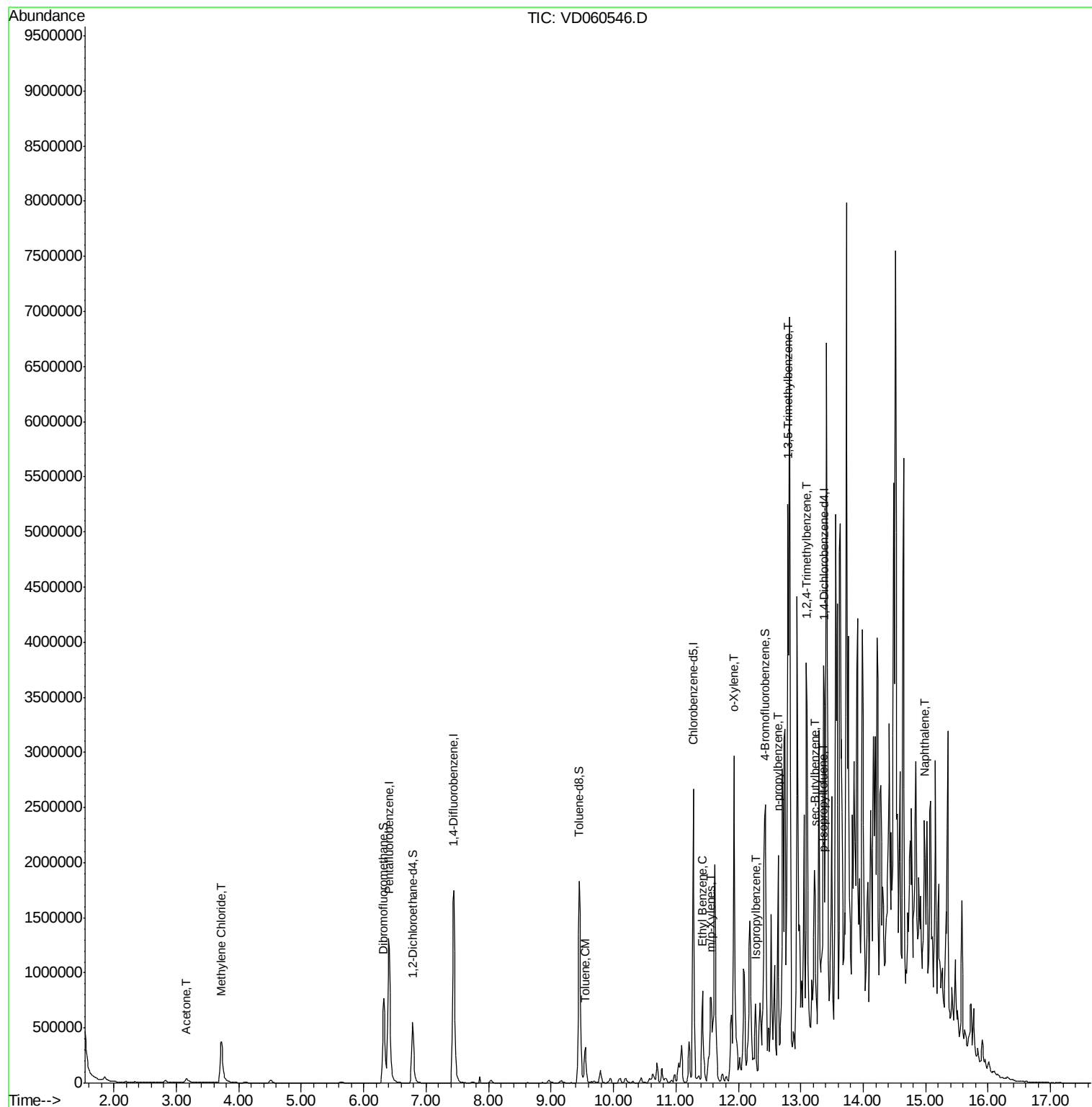
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.16	43	76076	51.324	ug/l	99
20) Methylene Chloride	3.72	84	266657	16.605	ug/l	94
52) Toluene	9.55	92	167290	5.677	ug/l	100
67) Ethyl Benzene	11.43	91	535157	10.783	ug/l	97
68) m/p-Xylenes	11.57	106	224273	12.215	ug/l	94
69) o-Xylene	11.93	106	675420	38.600	ug/l	91
73) Isopropylbenzene	12.27	105	213895	5.542	ug/l	98
78) n-propylbenzene	12.64	91	1221885	25.046	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1983439	67.257	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	1576935	51.643	ug/l	100
85) sec-Butylbenzene	13.22	105	412699	10.014	ug/l	95
86) p-Isopropyltoluene	13.35	119	353322	10.815	ug/l	99
95) Naphthalene	14.97	128	339287	24.305	ug/l	98

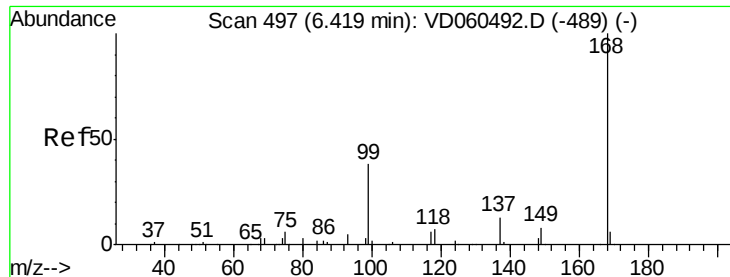
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

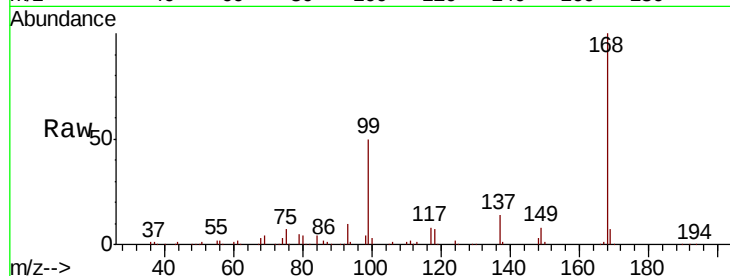
HR-05-121118-C

Tot Ion:168 Resp: 1304665

Ion Ratio Lower Upper

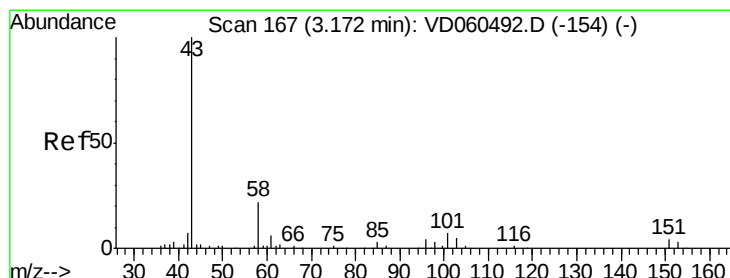
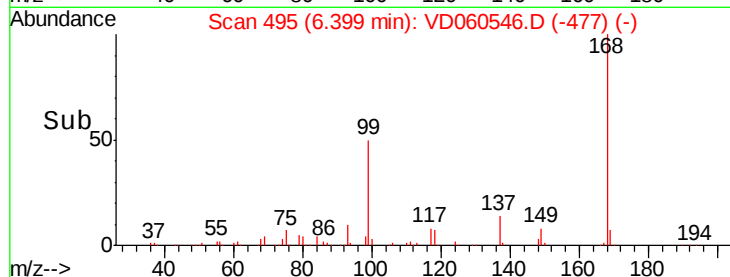
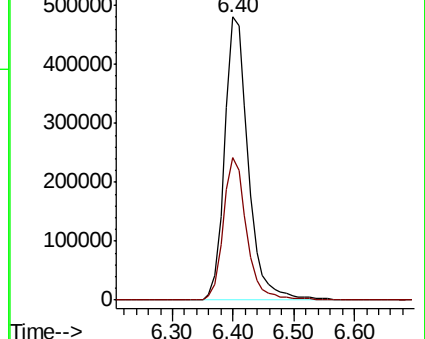
168 100

99 50.3 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 51.324 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060546.D

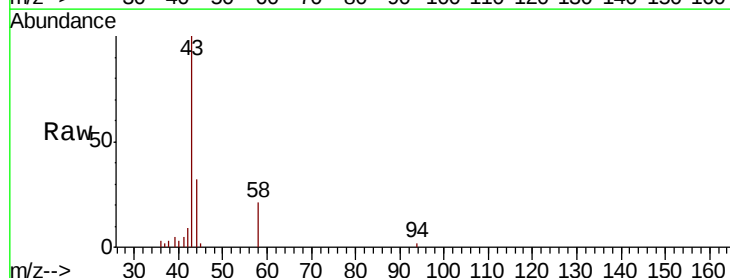
Acq: 12 Dec 2018 14:49

Tgt Ion: 43 Resp: 76076

Ion Ratio Lower Upper

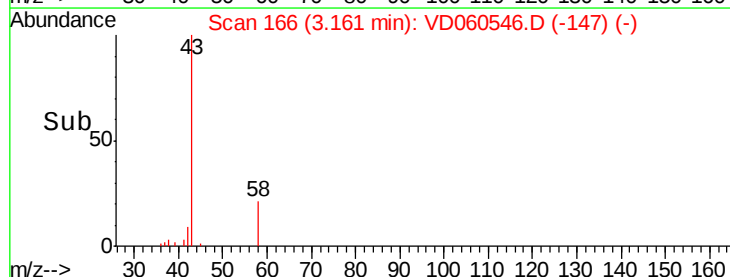
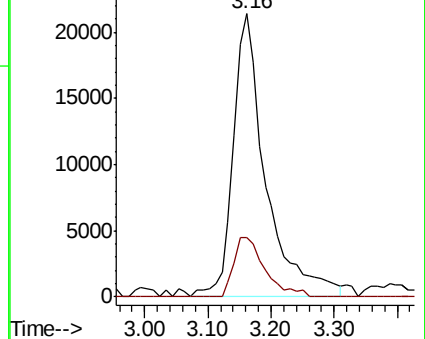
43 100

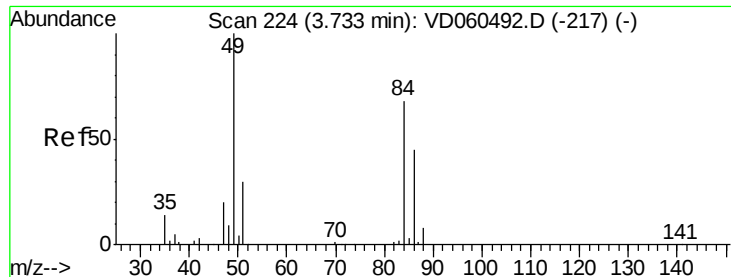
58 21.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

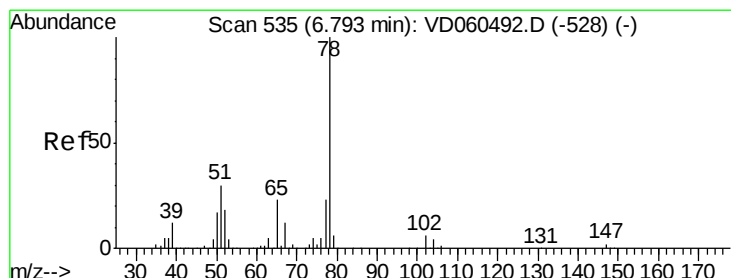
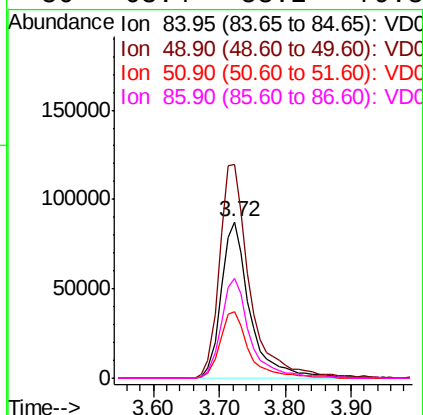
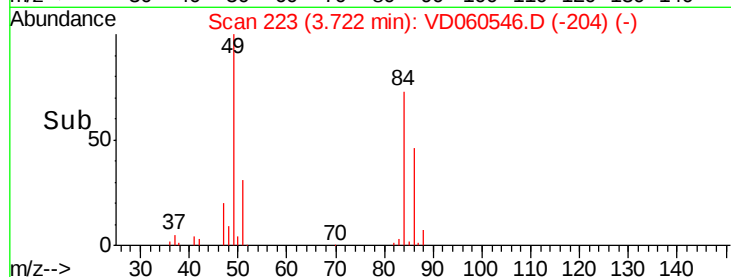
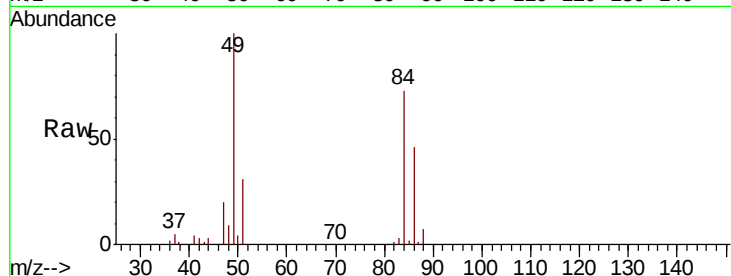




#20
Methylene Chloride
Concen: 16.605 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

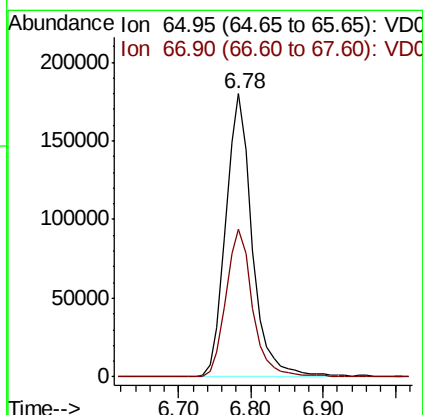
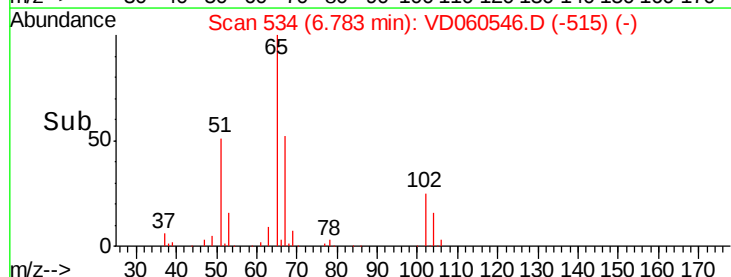
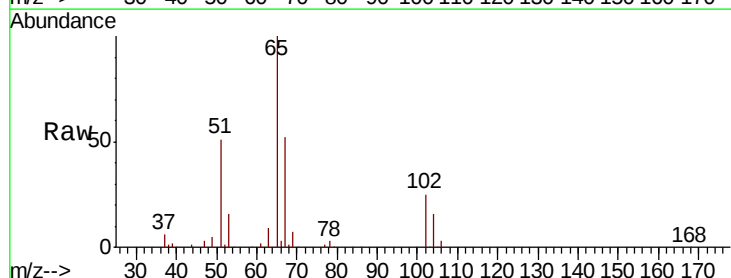
Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-C

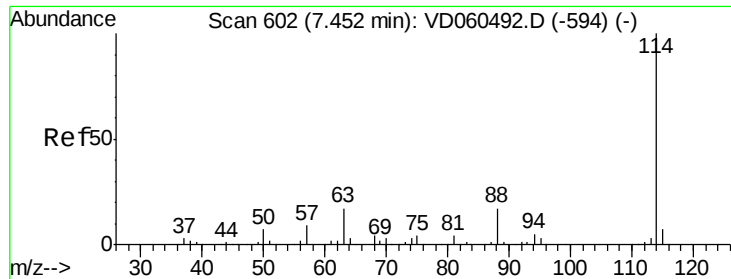
Tot Ion	Ratio	Lower	Upper
84	100		
49	136.4	117.2	175.8
51	42.4	35.3	52.9
86	63.4	53.2	79.8



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.8

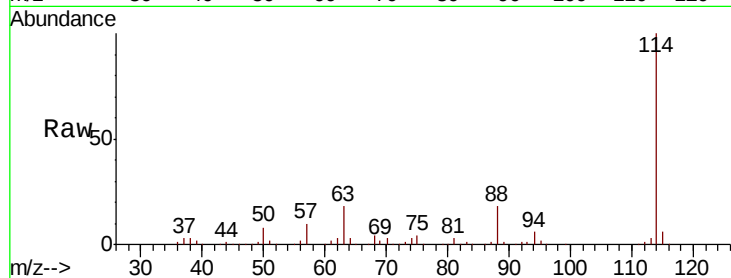




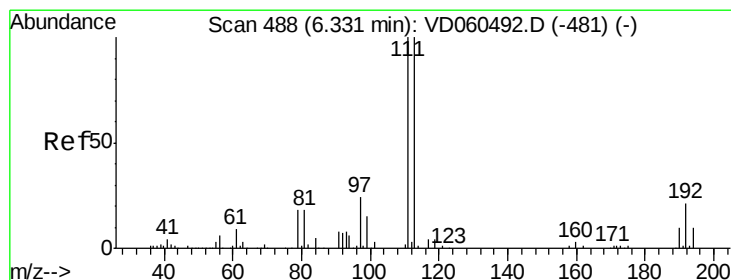
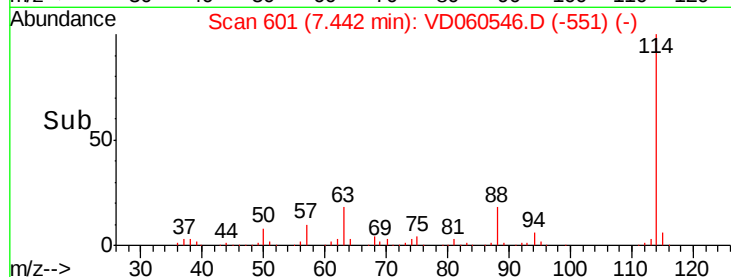
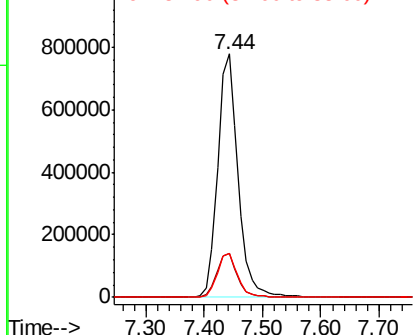
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.44 min Scan# 601
Delta R.T. -0.01 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-C

Tot Ion:114 Resp: 1887171
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.2
88 18.3 0.0 35.0

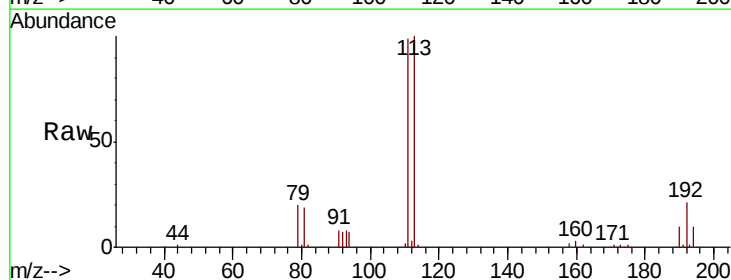


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

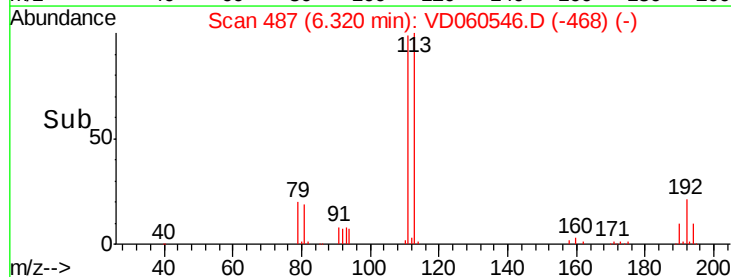
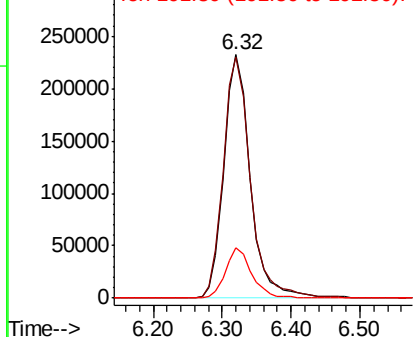


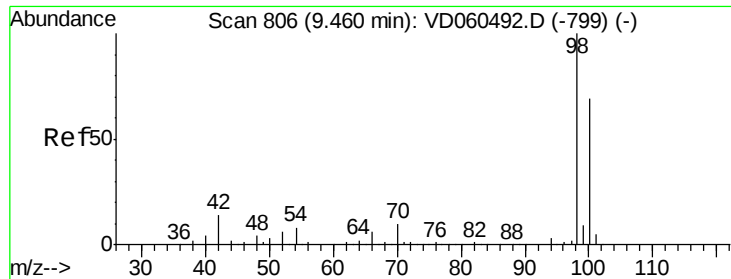
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 487
Delta R.T. -0.01 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion:113 Resp: 619660
Ion Ratio Lower Upper
113 100
111 99.0 80.2 120.4
192 20.7 16.6 24.8



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

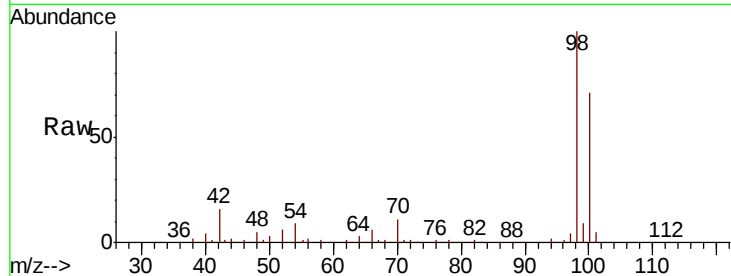
HR-05-121118-C

Tot Ion: 98 Resp: 1452941

Ion Ratio Lower Upper

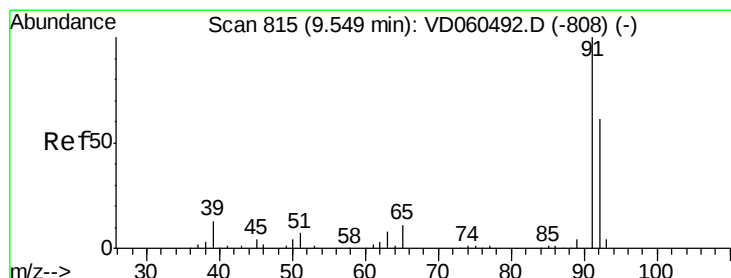
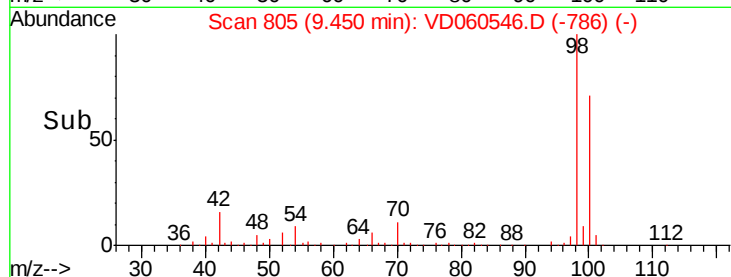
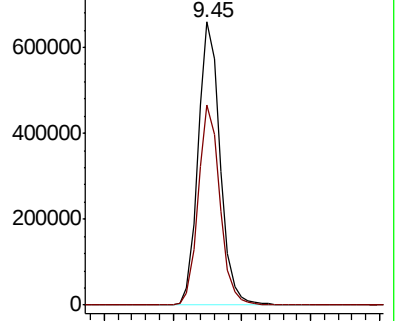
98 100

100 70.8 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 5.677 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060546.D

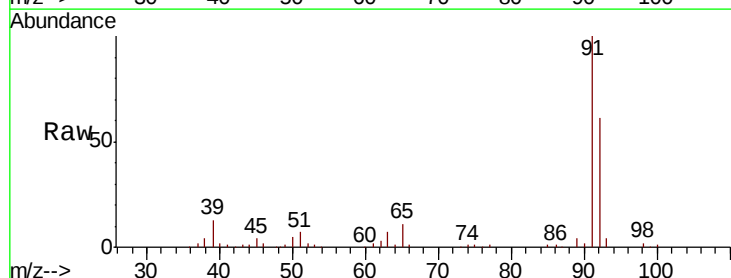
Acq: 12 Dec 2018 14:49

Tgt Ion: 92 Resp: 167290

Ion Ratio Lower Upper

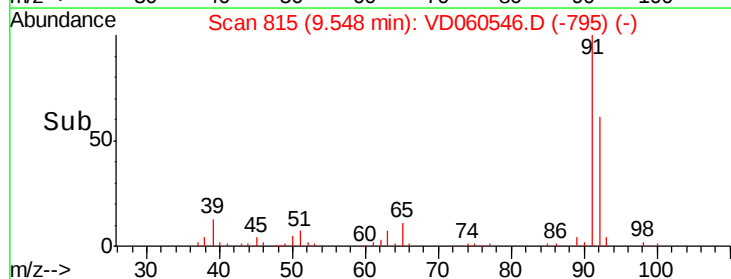
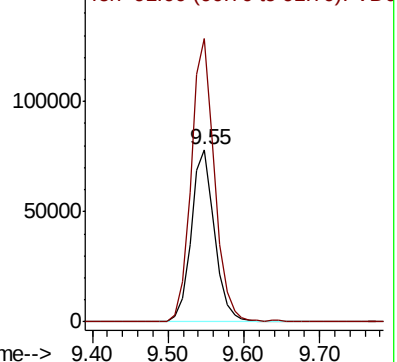
92 100

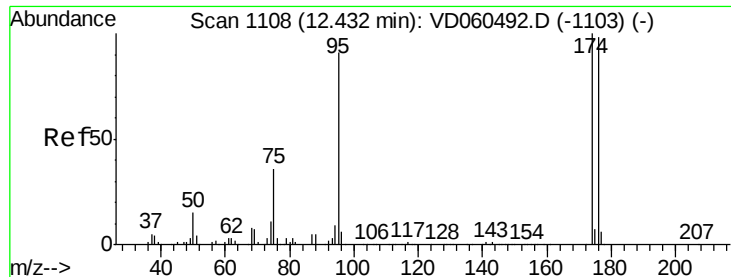
91 164.2 131.7 197.5



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: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

HR-05-121118-C

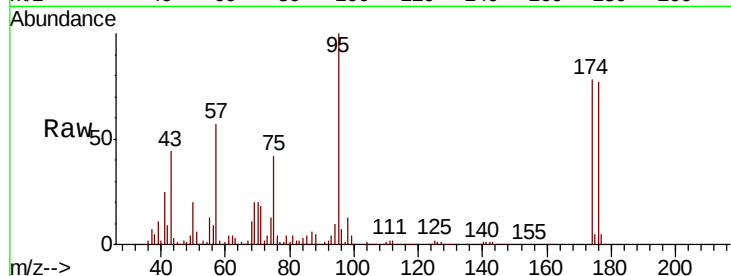
Tot Ion: 95 Resp: 482083

Ion Ratio Lower Upper

95 100

174 78.2 0.0 219.4

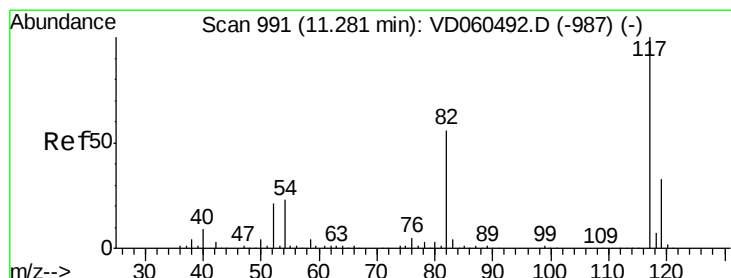
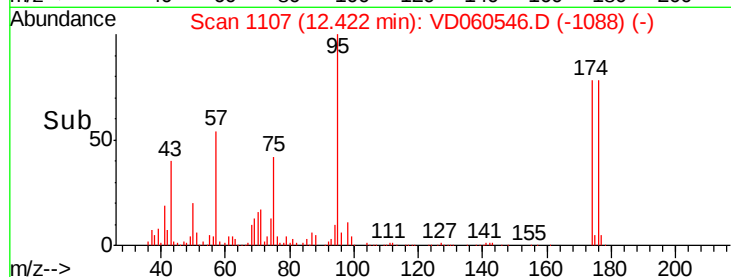
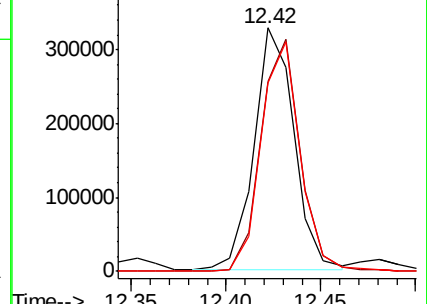
176 77.2 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

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: 11.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

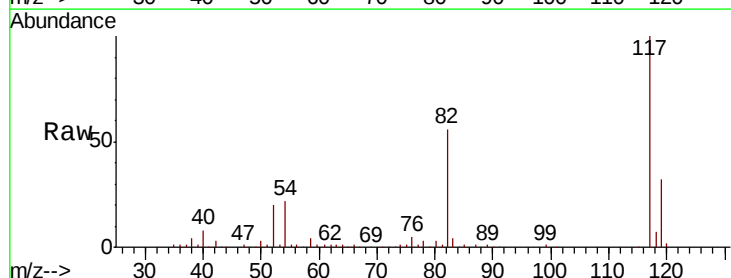
Tgt Ion: 117 Resp: 1375355

Ion Ratio Lower Upper

117 100

82 55.8 45.2 67.8

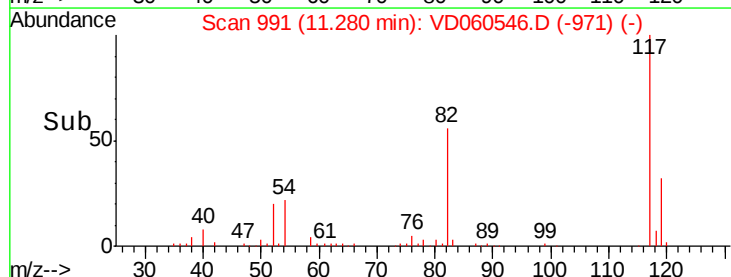
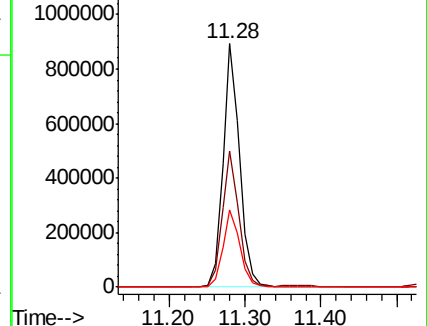
119 31.7 26.1 39.1

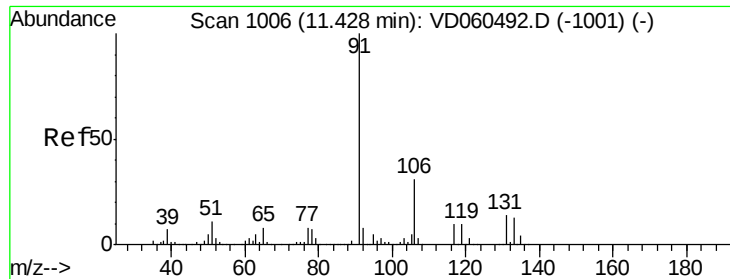


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#67

Ethyl Benzene

Concen: 10.783 ug/l

RT: 11.43 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

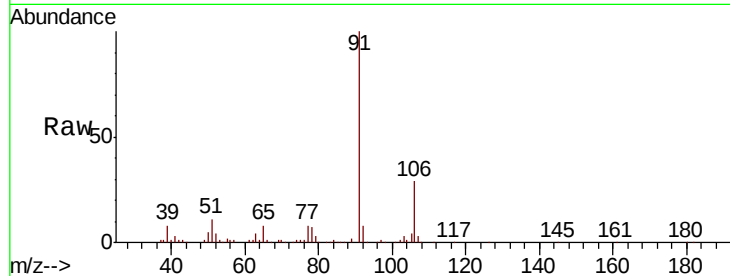
HR-05-121118-C

Tot Ion: 91 Resp: 535157

Ion Ratio Lower Upper

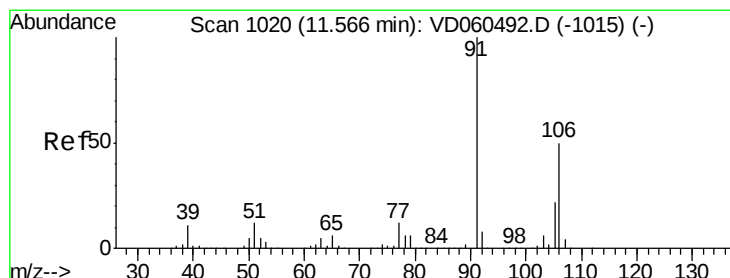
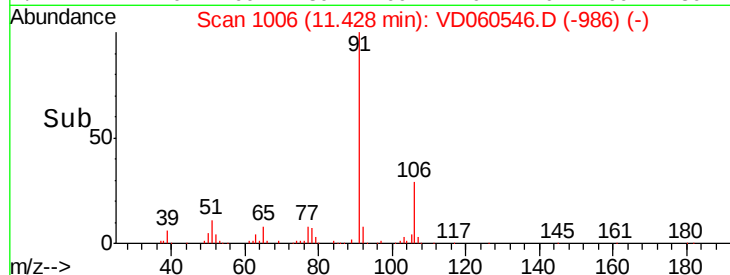
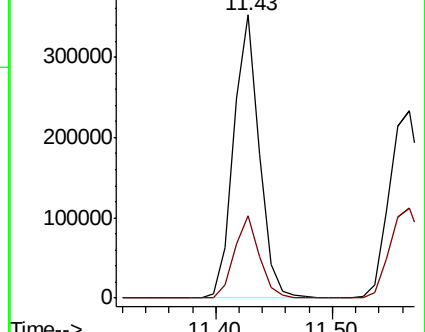
91 100

106 29.1 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 12.215 ug/l

RT: 11.57 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD060546.D

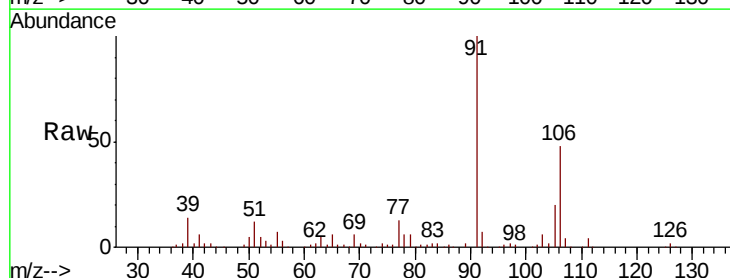
Acq: 12 Dec 2018 14:49

Tgt Ion: 106 Resp: 224273

Ion Ratio Lower Upper

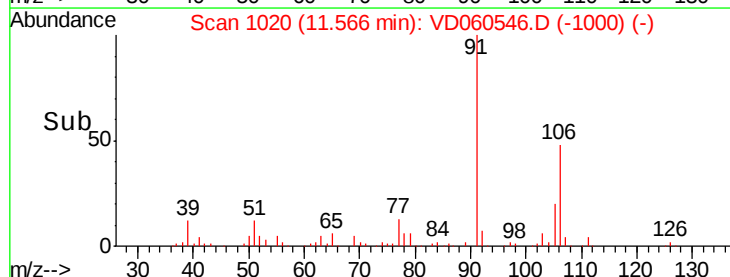
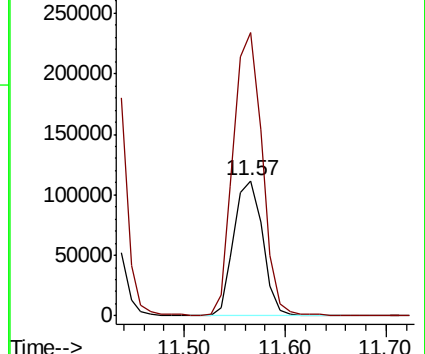
106 100

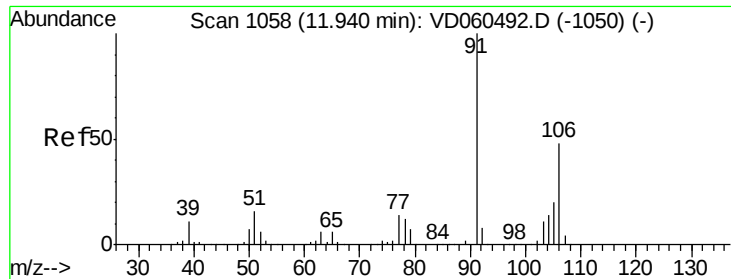
91 209.7 160.5 240.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

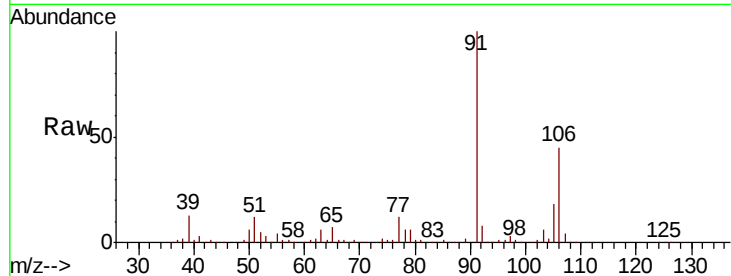




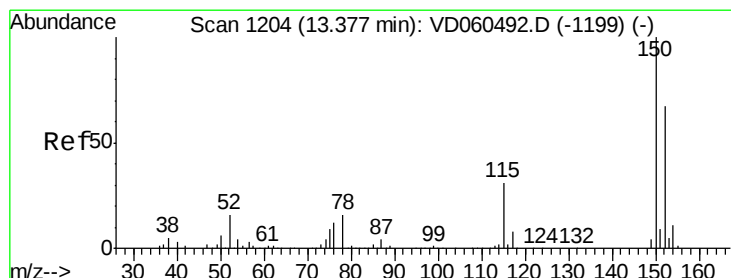
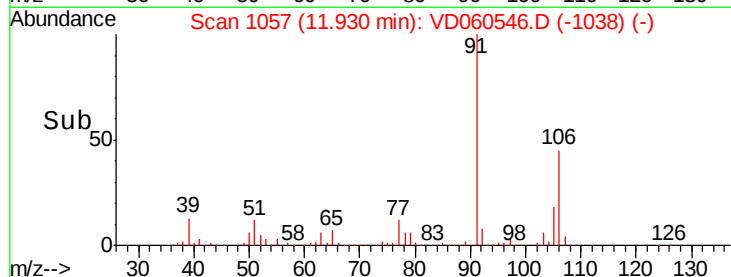
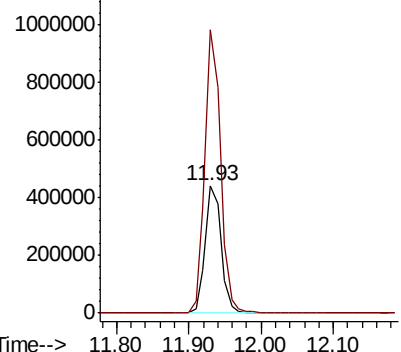
#69
o-Xylene
Concen: 38.600 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :
HR-05-121118-C

Tot Ion:106 Resp: 675420
Ion Ratio Lower Upper
106 100
91 221.4 103.4 310.1

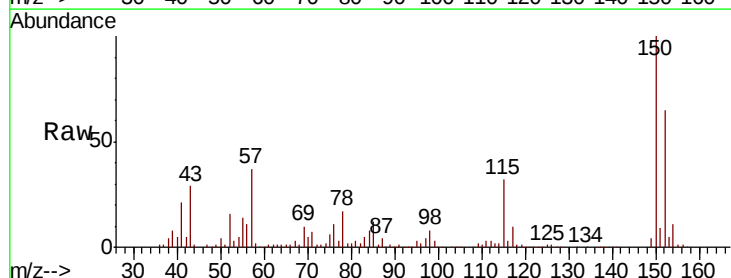


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

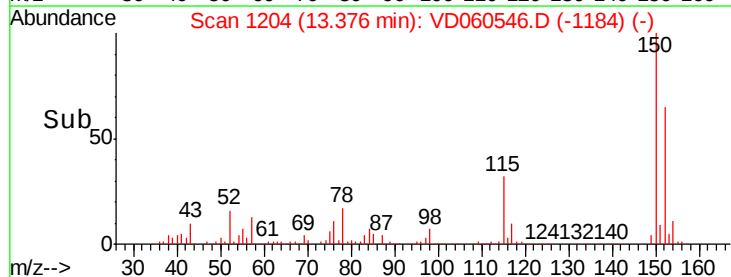
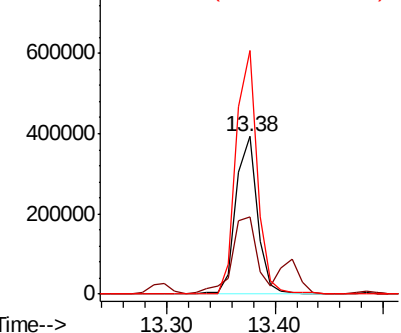


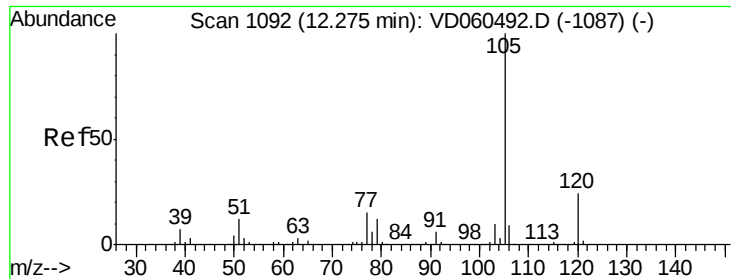
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VD060546.D
Acq: 12 Dec 2018 14:49

Tgt Ion:152 Resp: 545390
Ion Ratio Lower Upper
152 100
115 49.3 24.6 74.0
150 154.6 0.0 309.0



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: 5.542 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

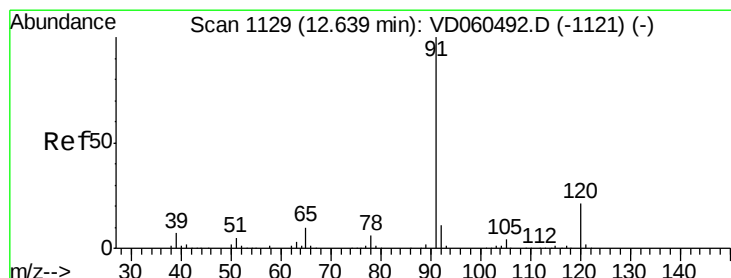
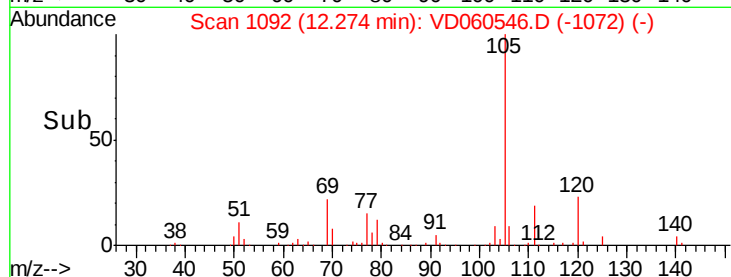
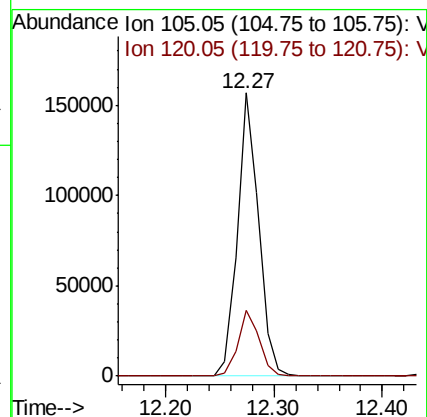
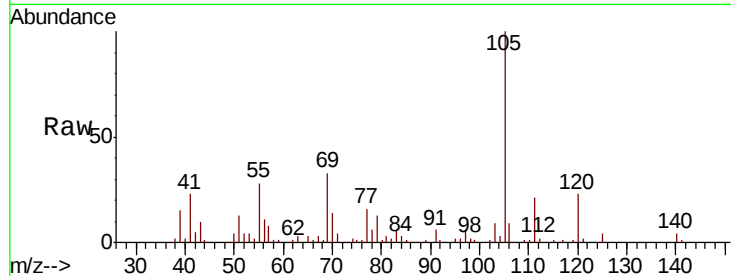
HR-05-121118-C

Tot Ion: 105 Resp: 213895

Ion Ratio Lower Upper

105 100

120 23.1 11.9 35.9



#78

n-propylbenzene

Concen: 25.046 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060546.D

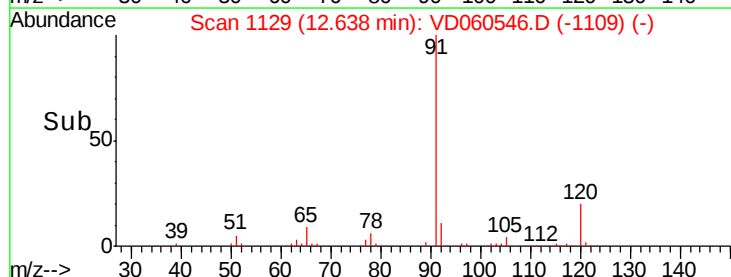
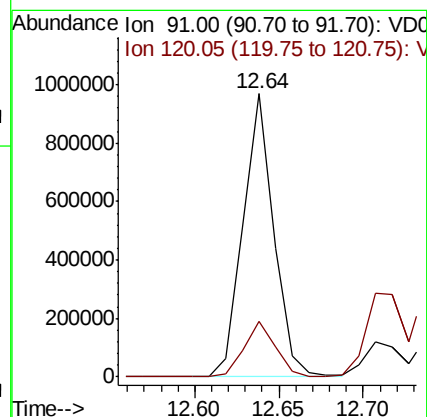
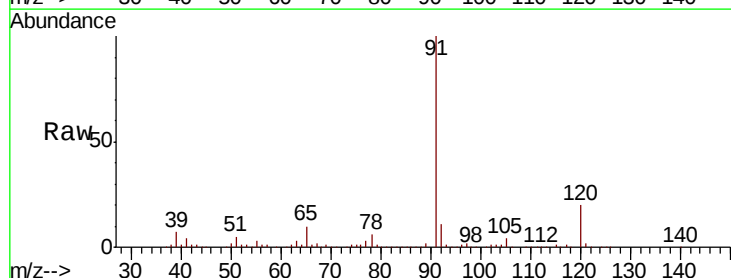
Acq: 12 Dec 2018 14:49

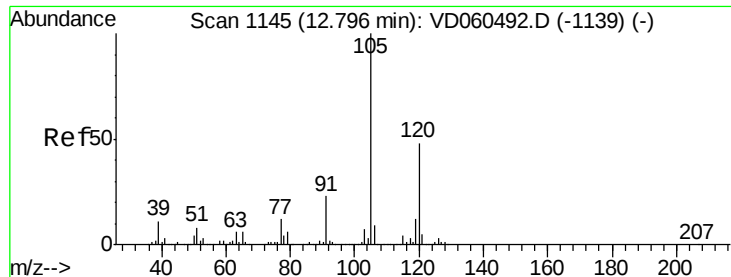
Tgt Ion: 91 Resp: 1221885

Ion Ratio Lower Upper

91 100

120 19.8 10.4 31.1

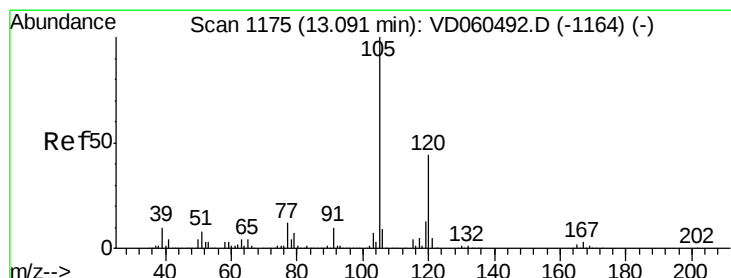
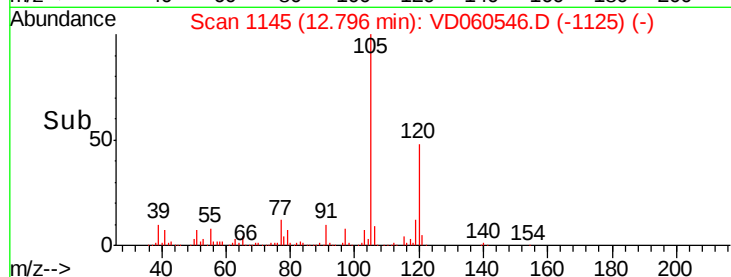
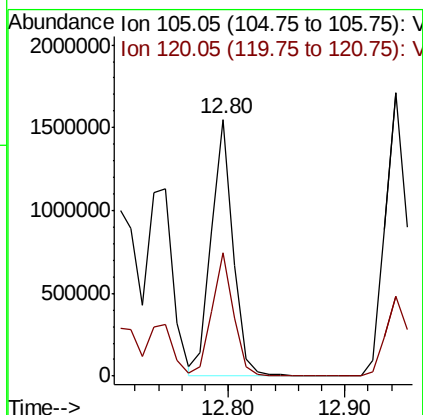
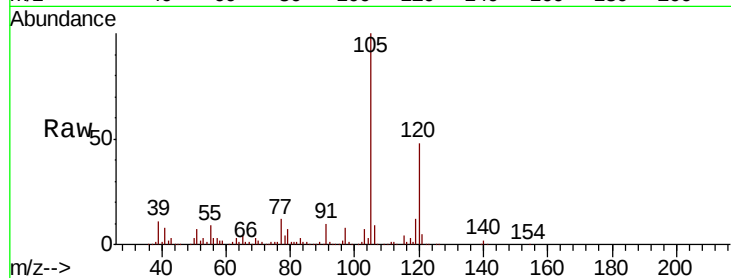




#80
 1,3,5-Trimethylbenzene
 Concen: 67.257 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

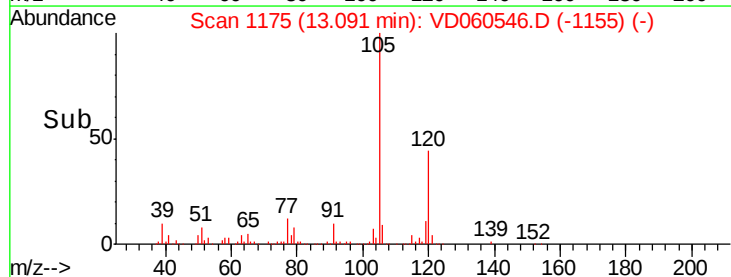
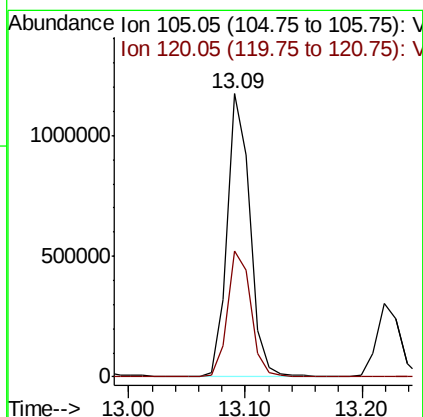
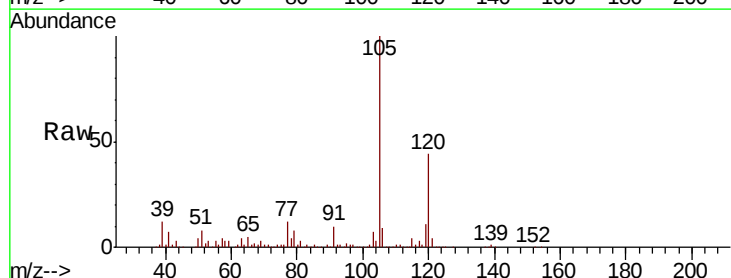
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-121118-C

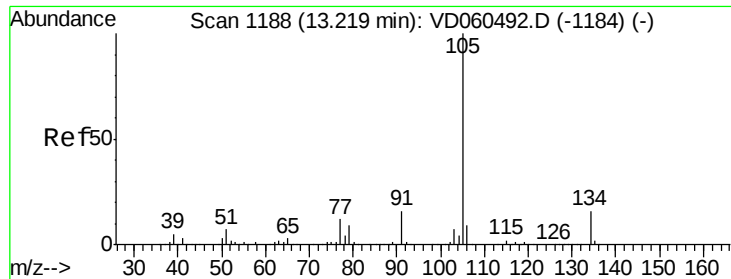
Tot Ion:105 Resp: 1983439
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.2 72.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.643 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

Tgt Ion:105 Resp: 1576935
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.3 66.8

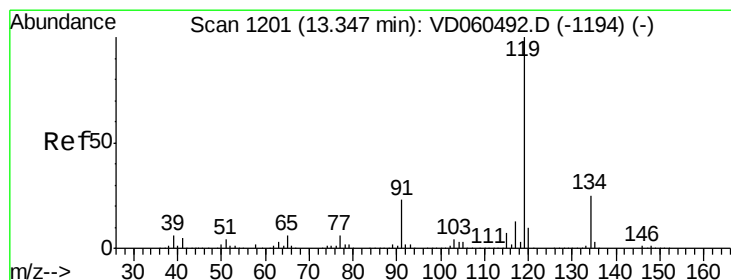
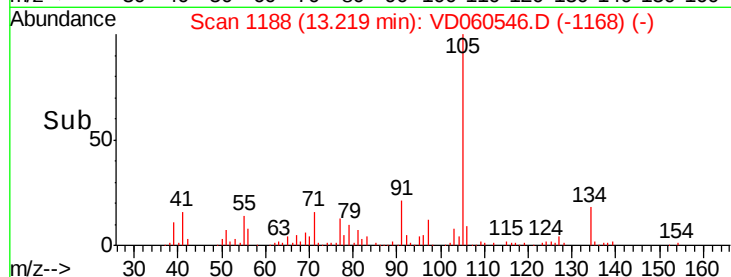
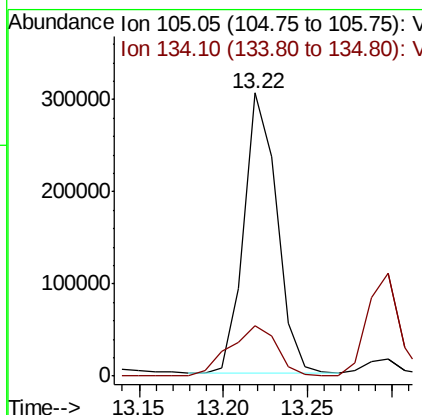
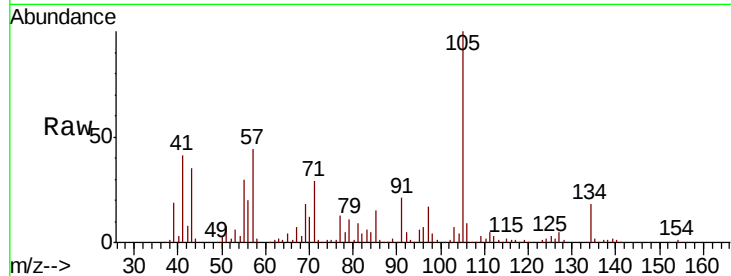




#85
 sec-Butylbenzene
 Concen: 10.014 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

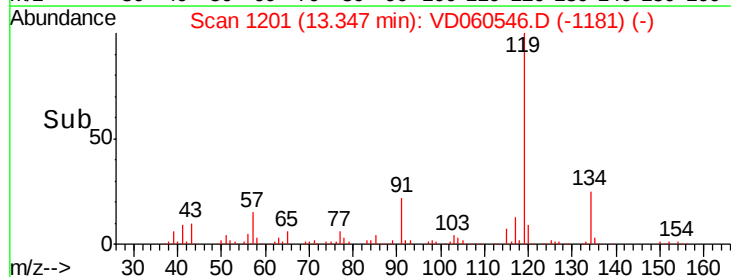
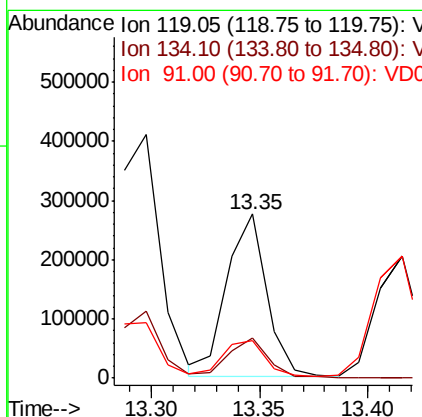
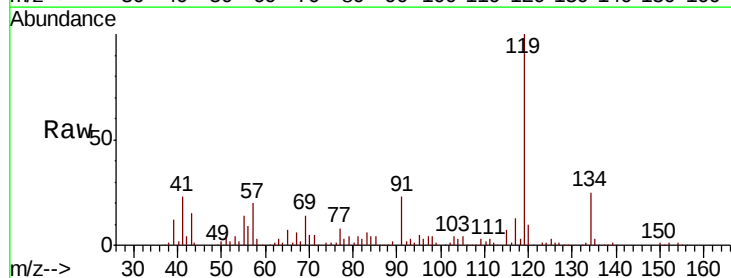
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-121118-C

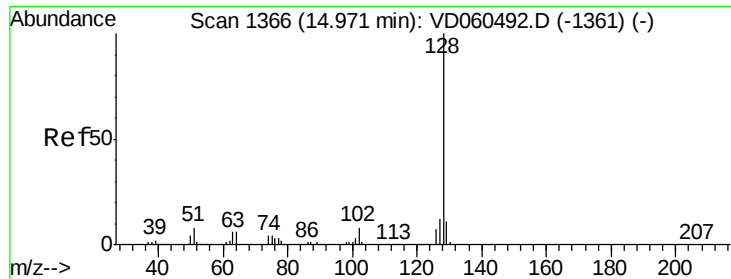
Tot Ion:105 Resp: 412699
 Ion Ratio Lower Upper
 105 100
 134 18.0 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 10.815 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VD060546.D
 Acq: 12 Dec 2018 14:49

Tgt Ion:119 Resp: 353322
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.5 37.5
 91 22.6 11.5 34.4





#95

Naphthalene

Concen: 24.305 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VD060546.D

Acq: 12 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

HR-05-121118-C

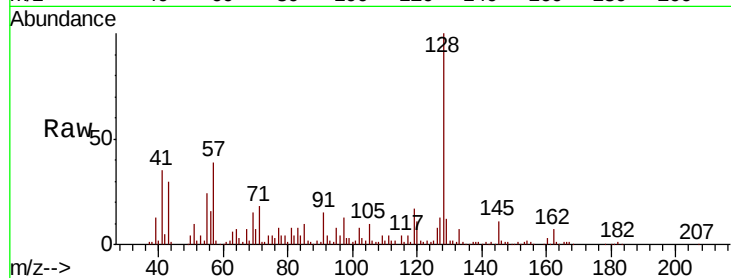
Tot Ion:128 Resp: 339287

Ion Ratio Lower Upper

128 100

127 13.0 9.8 14.8

129 11.9 8.6 13.0



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

