

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060989.D
 Acq On : 8 Mar 2019 17:46
 Operator : VA/AP
 Sample : K1693-03
 Misc : 5.73q/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-01-030719-B

Quant Time: Mar 09 00:28:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	726660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1250821	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1174796	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	503991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	395661	65.41	ug/l	0.01
Spiked Amount			Recovery	=	130.82%	
35) Dibromofluoromethane	6.93	113	595798	64.18	ug/l	0.00
Spiked Amount			Recovery	=	128.36%	
50) Toluene-d8	10.40	98	1348338	57.84	ug/l	0.00
Spiked Amount			Recovery	=	115.68%	
62) 4-Bromofluorobenzene	13.55	95	524556	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	

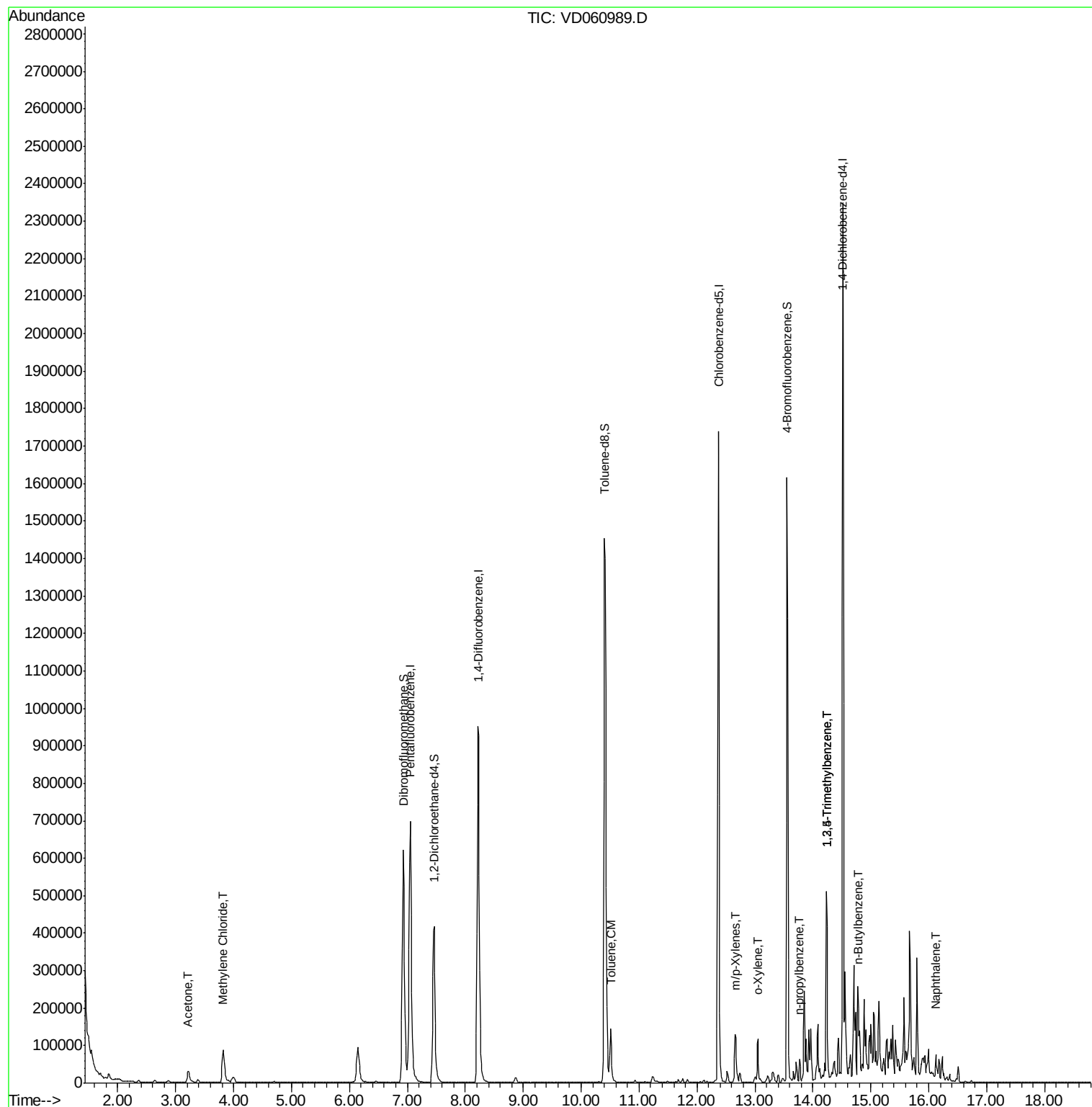
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	61239	35.405	ug/l	92
20) Methylene Chloride	3.82	84	66391	4.141	ug/l	97
52) Toluene	10.51	92	74445	4.444	ug/l	98
68) m/p-Xylenes	12.67	106	45559	3.385	ug/l	95
69) o-Xylene	13.05	106	31573	2.387	ug/l	96
78) n-propylbenzene	13.77	91	42906	1.009	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	239512	8.686	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	239512	8.686	ug/l	98
89) n-Butylbenzene	14.79	91	46099	1.594	ug/l #	90
95) Naphthalene	16.12	128	37674	3.872	ug/l	97

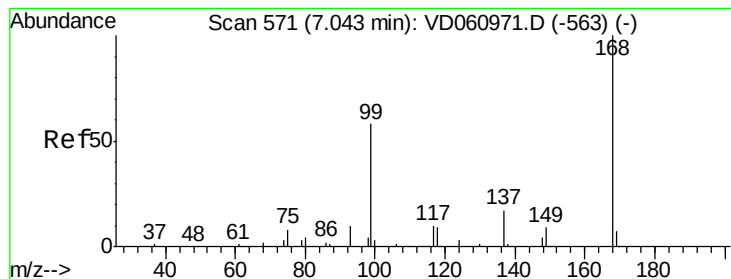
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

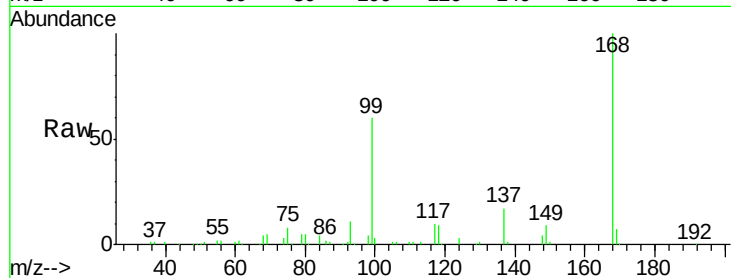
OR-01-030719-B

Tot Ion:168 Resp: 726660

Ion Ratio Lower Upper

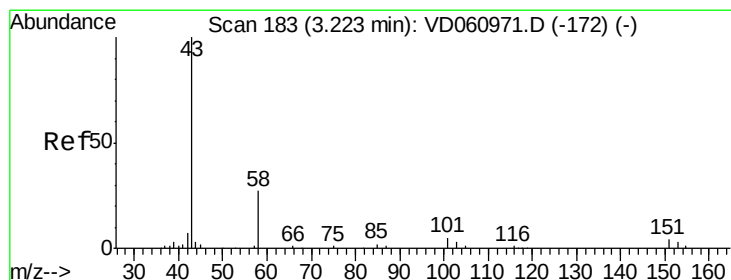
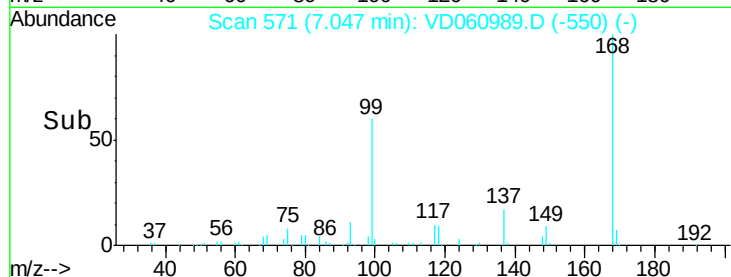
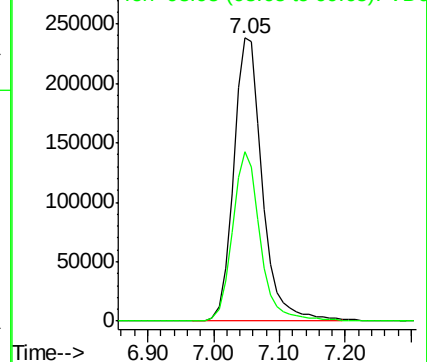
168 100

99 60.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 35.405 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD060989.D

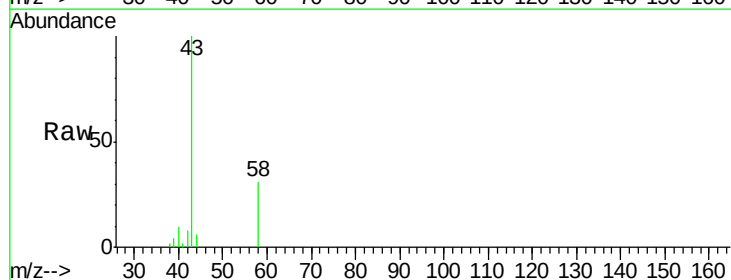
Acq: 8 Mar 2019 17:46

Tgt Ion: 43 Resp: 61239

Ion Ratio Lower Upper

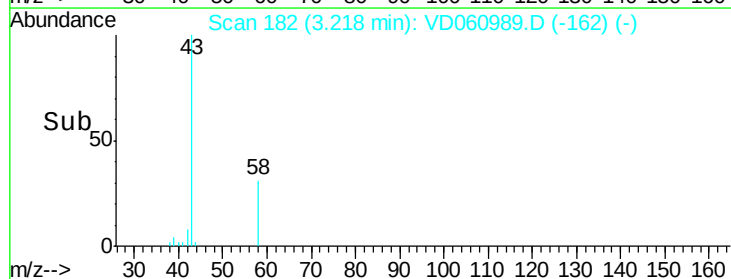
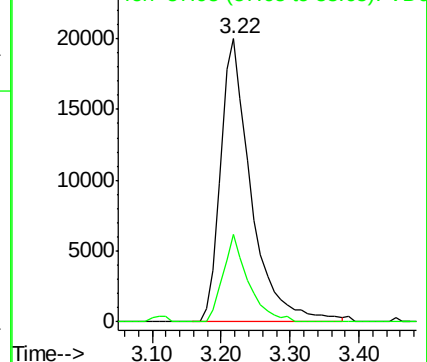
43 100

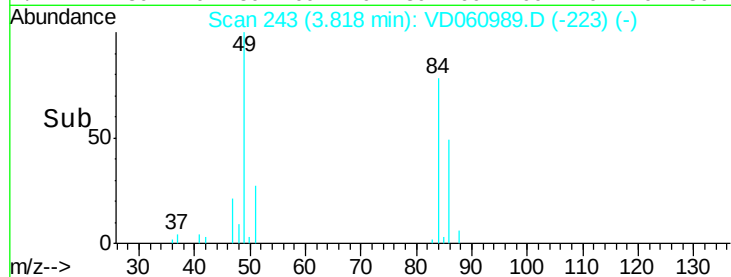
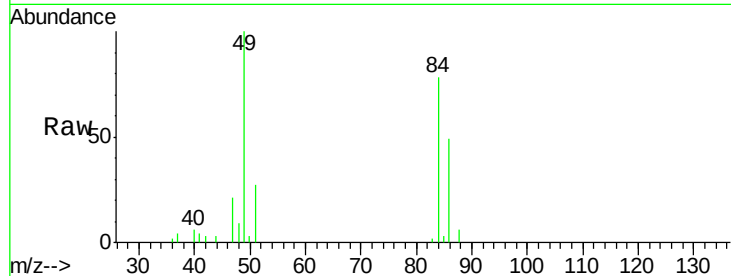
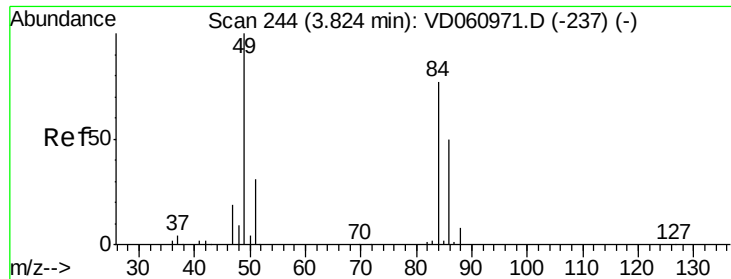
58 31.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

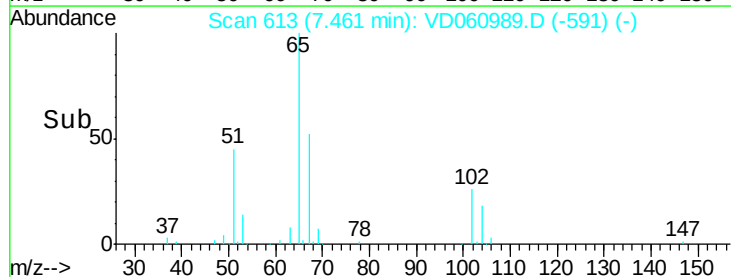
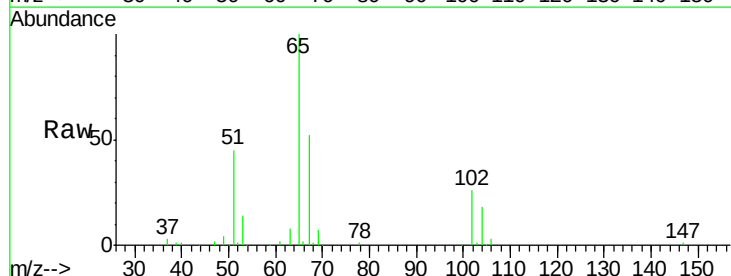
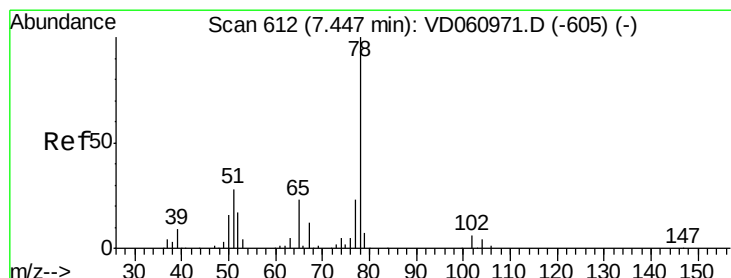
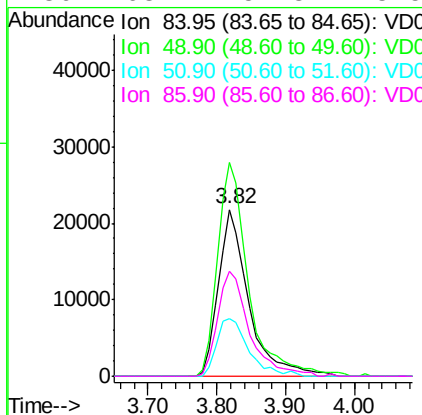




#20
Methylene Chloride
Concen: 4.141 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD060989.D
Acq: 8 Mar 2019 17:46

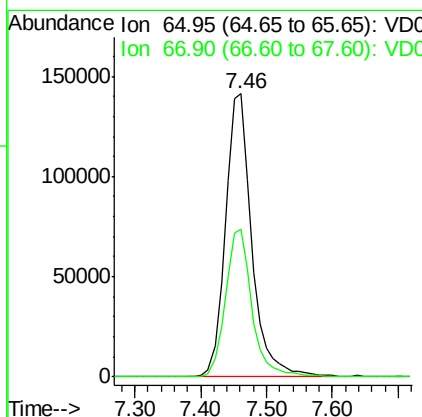
Instrument :
MSVOA_D
ClientSampleId :
OR-01-030719-B

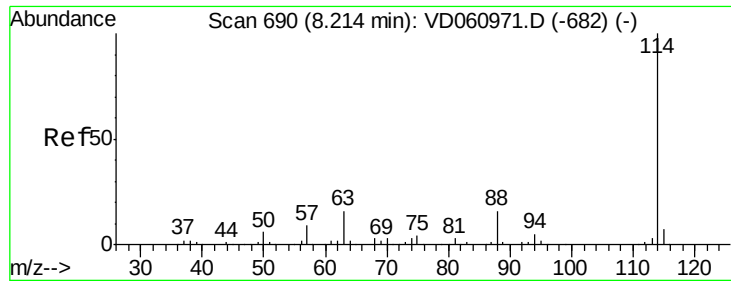
Tot Ion: 84 Resp: 66391
Ion Ratio Lower Upper
84 100
49 128.3 104.2 156.2
51 34.8 32.3 48.5
86 63.2 52.3 78.5



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD060989.D
Acq: 8 Mar 2019 17:46

Tgt Ion: 65 Resp: 395661
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

OR-01-030719-B

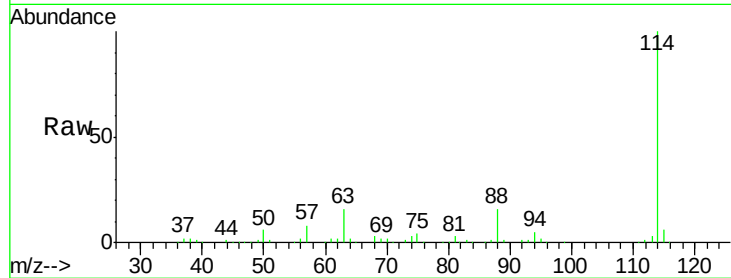
Tot Ion:114 Resp: 1250821

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.4

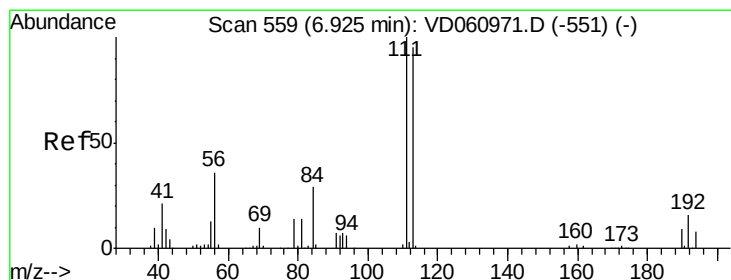
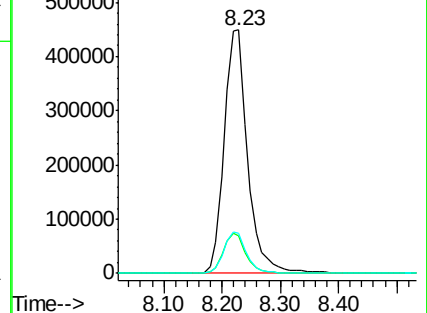
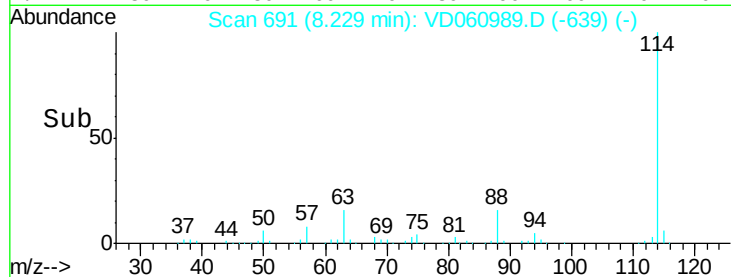
88 16.2 0.0 33.0



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: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

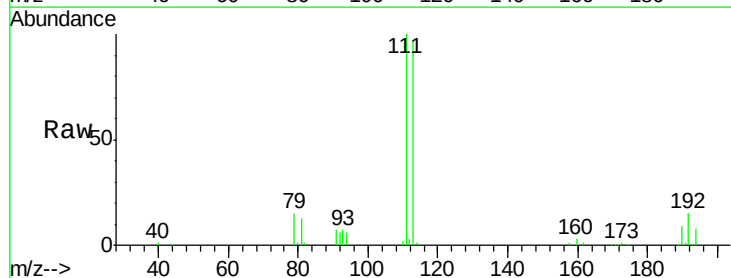
Tgt Ion:113 Resp: 595798

Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.4

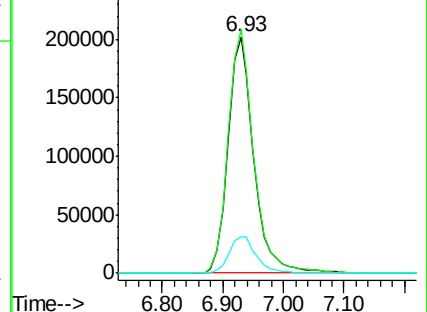
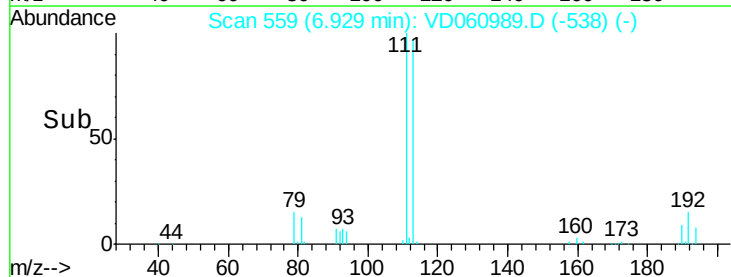
192 15.3 13.1 19.7

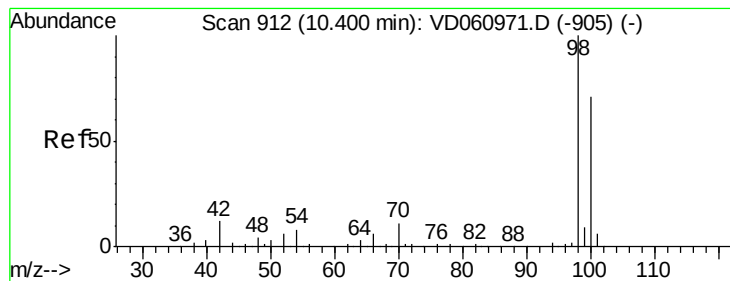


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

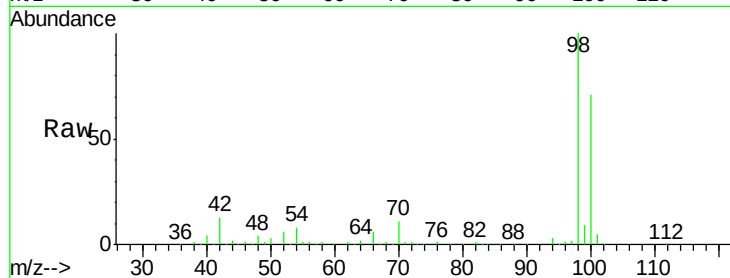
OR-01-030719-B

Tot Ion: 98 Resp: 1348338

Ion Ratio Lower Upper

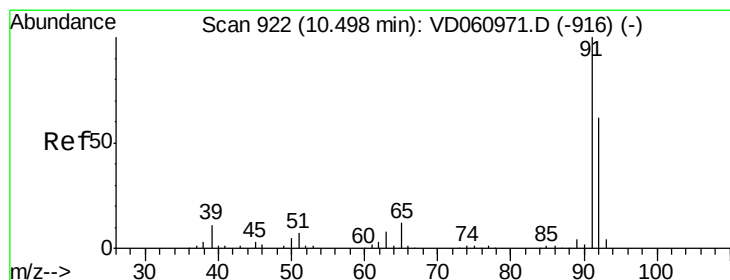
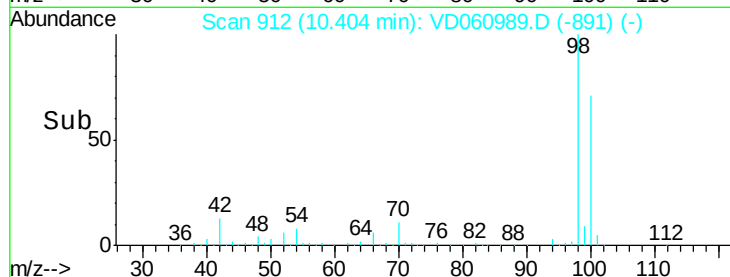
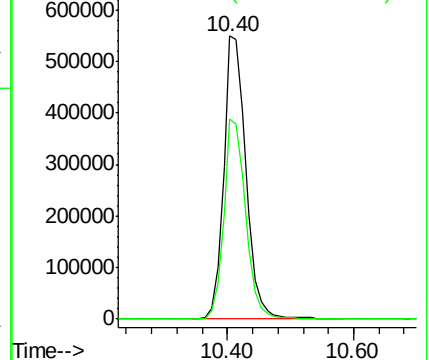
98 100

100 70.9 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 4.444 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD060989.D

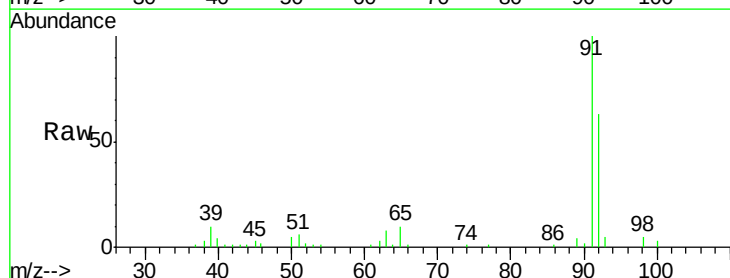
Acq: 8 Mar 2019 17:46

Tgt Ion: 92 Resp: 74445

Ion Ratio Lower Upper

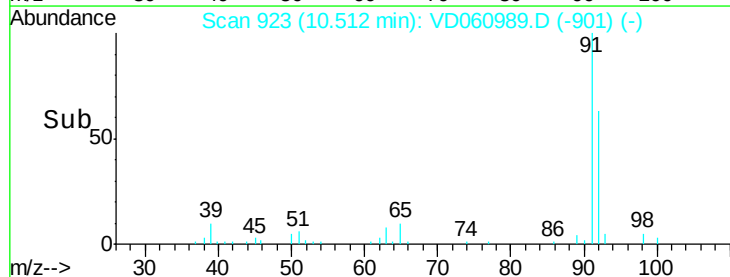
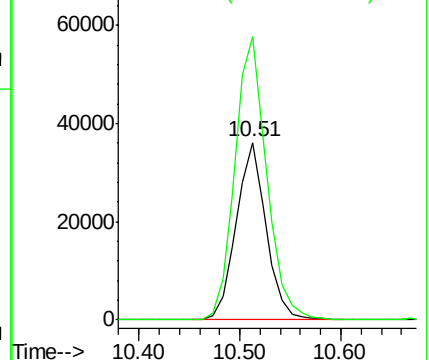
92 100

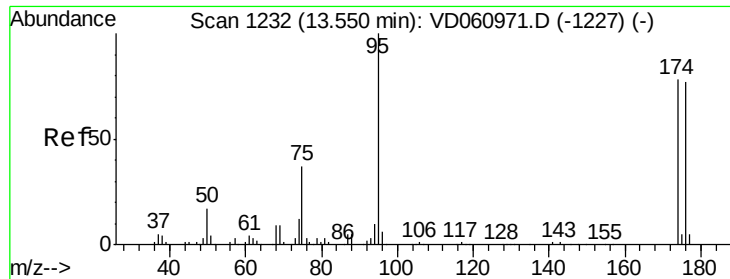
91 159.6 129.8 194.8



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

OR-01-030719-B

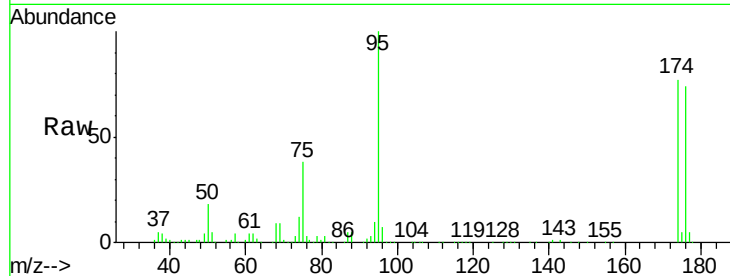
Tot Ion: 95 Resp: 524556

Ion Ratio Lower Upper

95 100

174 77.5 0.0 155.6

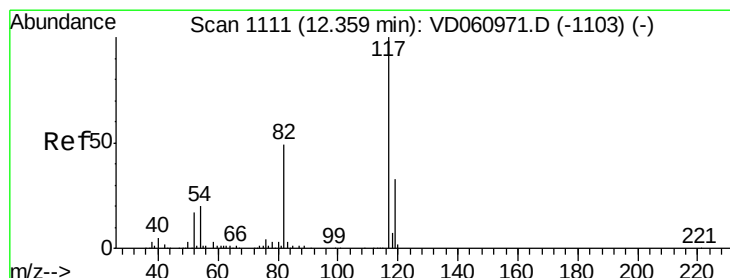
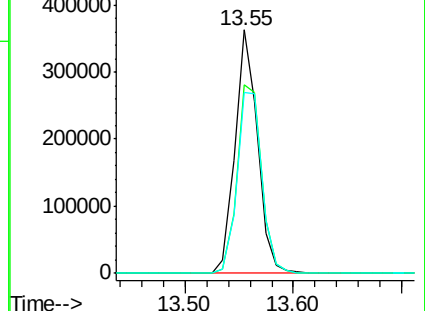
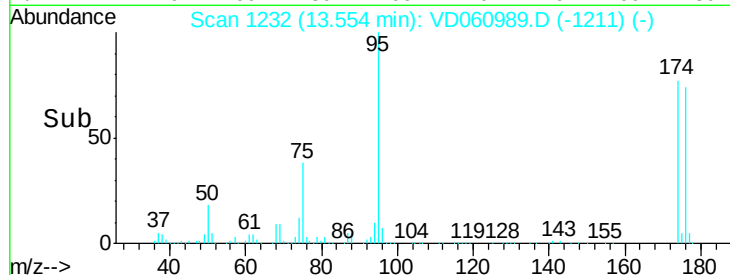
176 74.1 0.0 153.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

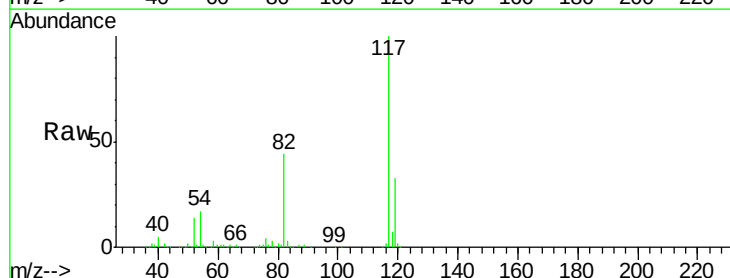
Tgt Ion: 117 Resp: 1174796

Ion Ratio Lower Upper

117 100

82 43.9 38.9 58.3

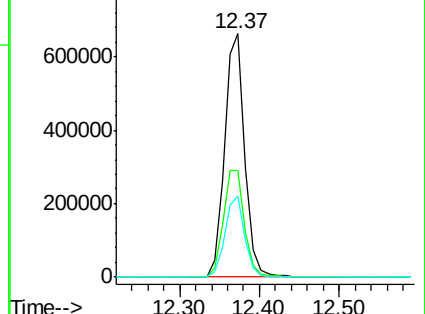
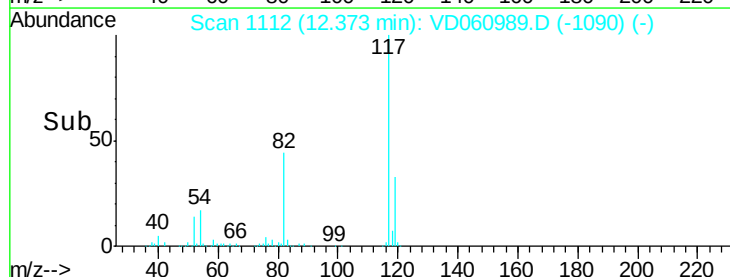
119 33.2 26.6 39.8

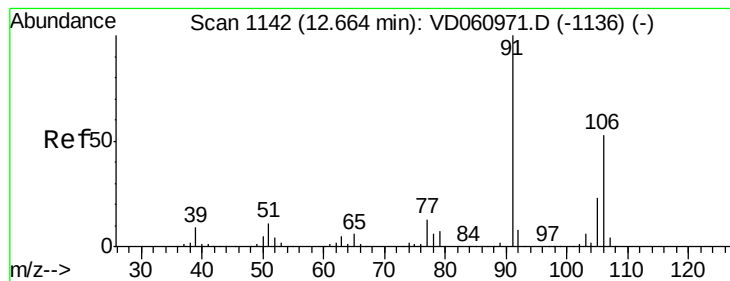


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#68

m/p-Xylenes

Concen: 3.385 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

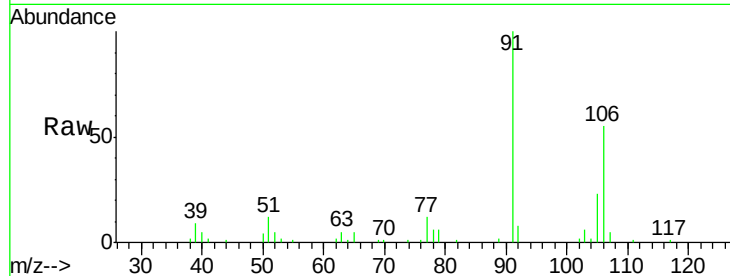
OR-01-030719-B

Tot Ion:106 Resp: 45559

Ion Ratio Lower Upper

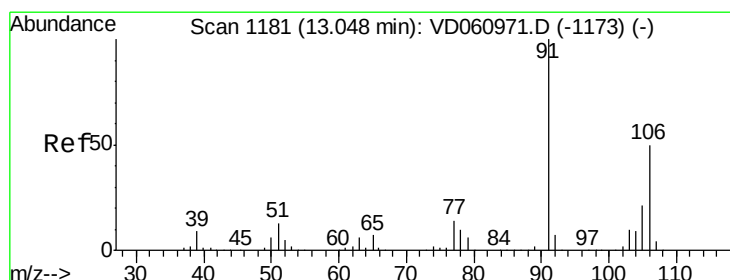
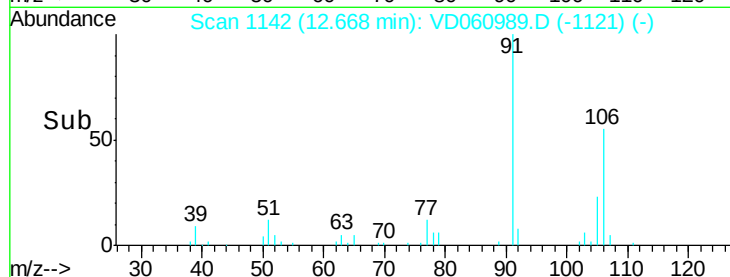
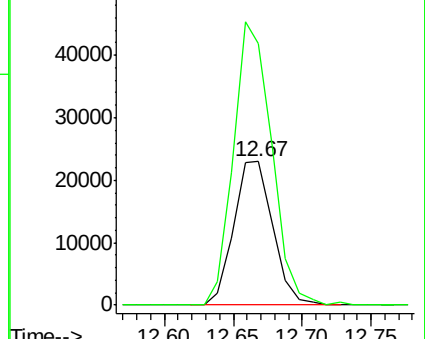
106 100

91 182.3 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 2.387 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD060989.D

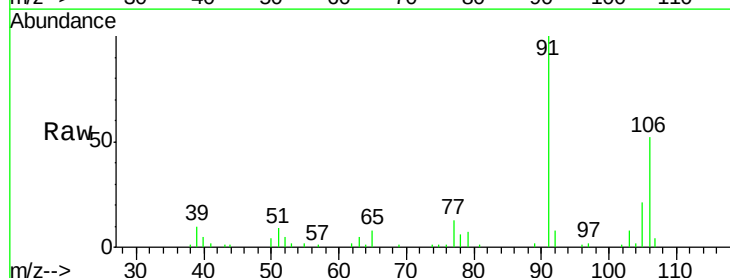
Acq: 8 Mar 2019 17:46

Tgt Ion:106 Resp: 31573

Ion Ratio Lower Upper

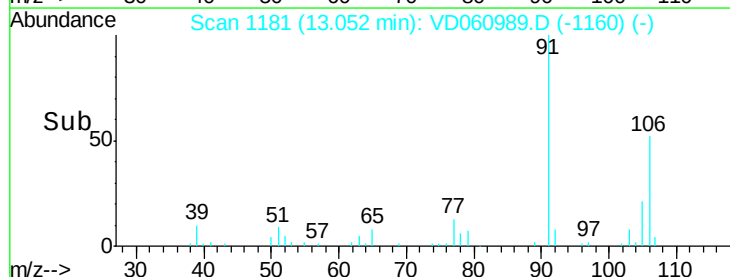
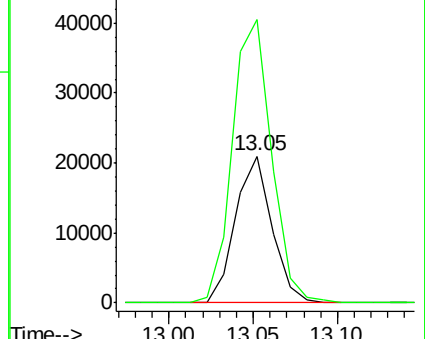
106 100

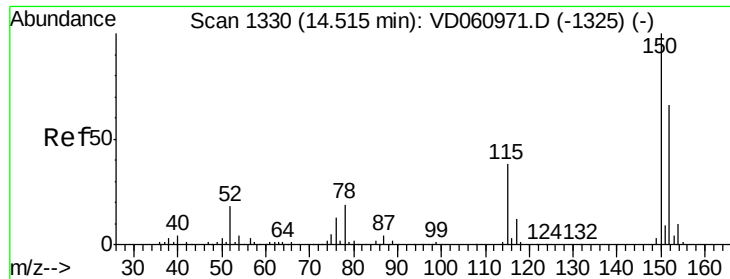
91 192.9 99.8 299.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

OR-01-030719-B

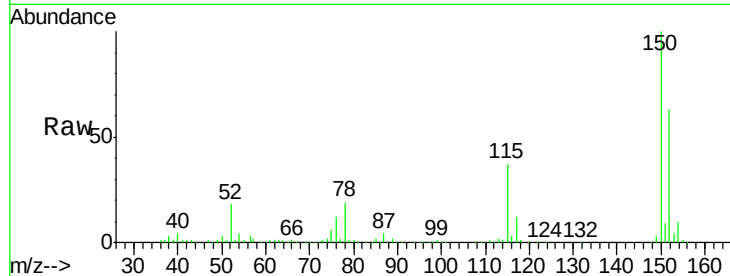
Tot Ion:152 Resp: 503991

Ion Ratio Lower Upper

152 100

115 58.4 28.6 85.9

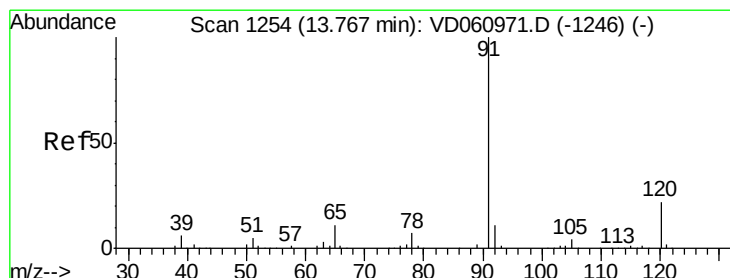
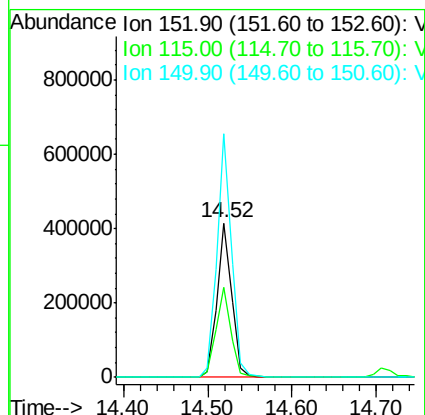
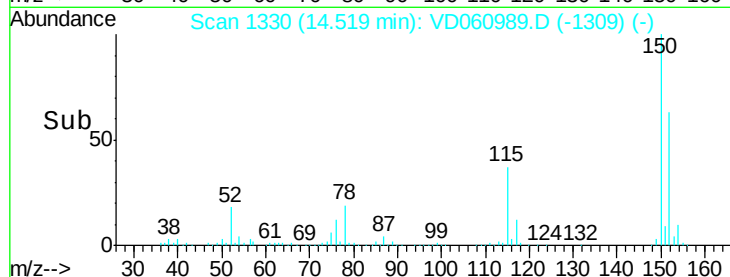
150 157.8 0.0 310.6



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



#78

n-propylbenzene

Concen: 1.009 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD060989.D

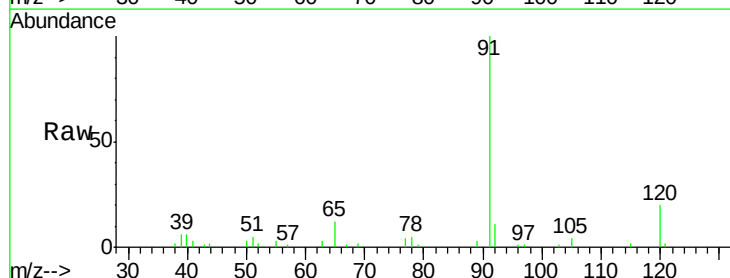
Acq: 8 Mar 2019 17:46

Tgt Ion: 91 Resp: 42906

Ion Ratio Lower Upper

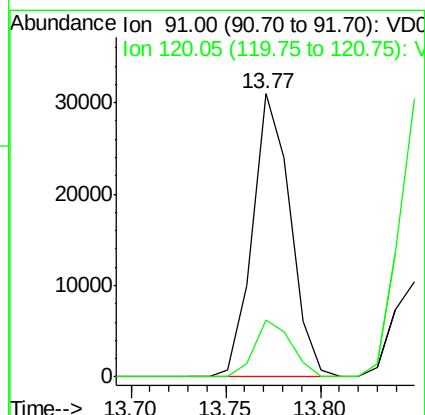
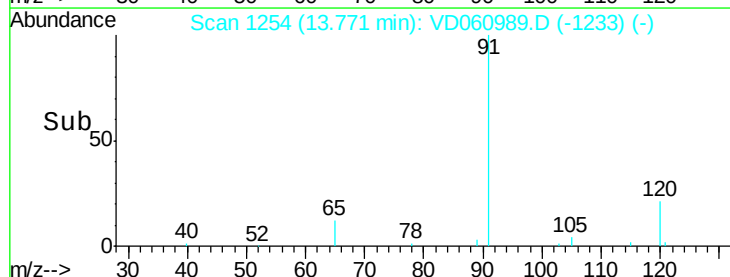
91 100

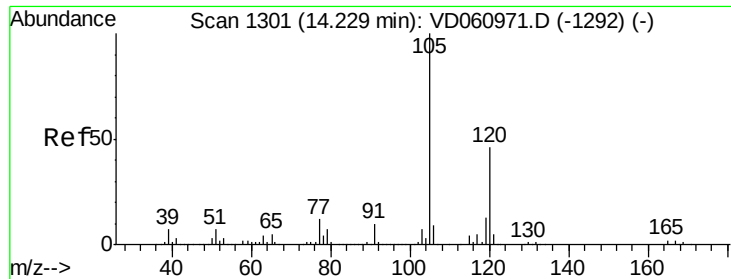
120 20.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

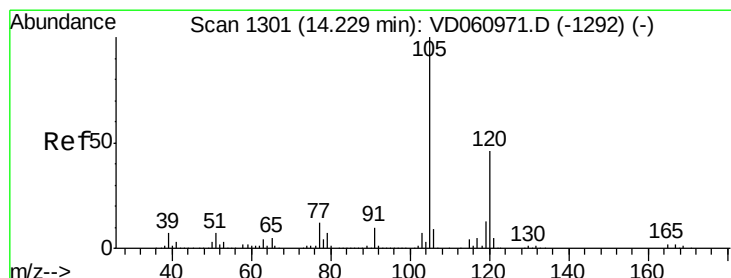
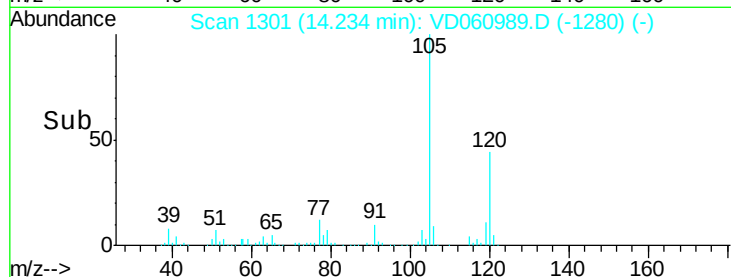
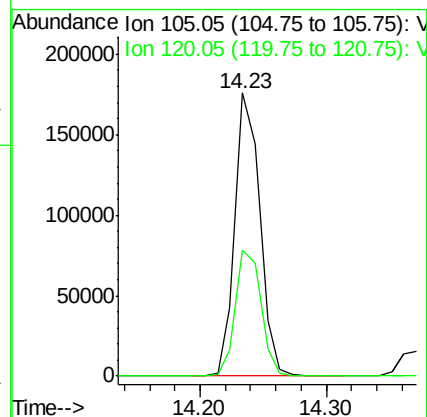
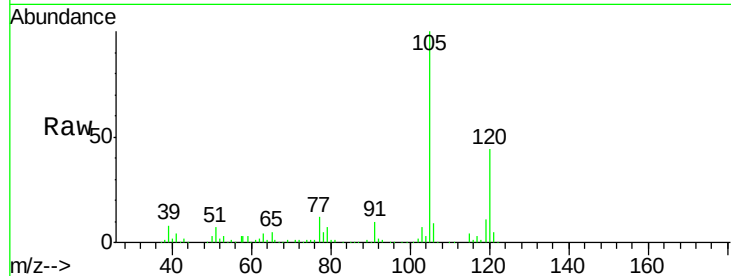




#80
 1,3,5-Trimethylbenzene
 Concen: 8.686 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD060989.D
 Acq: 8 Mar 2019 17:46

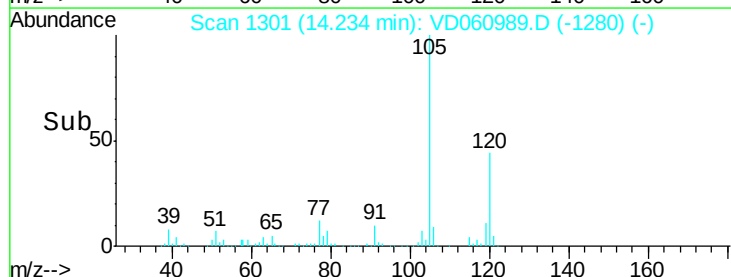
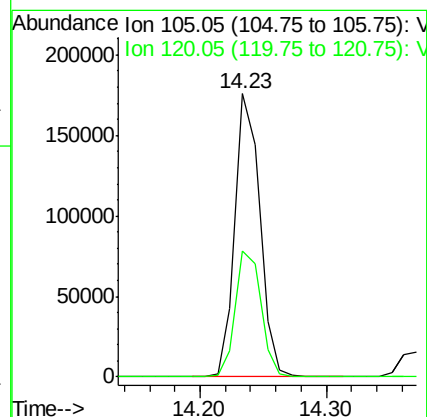
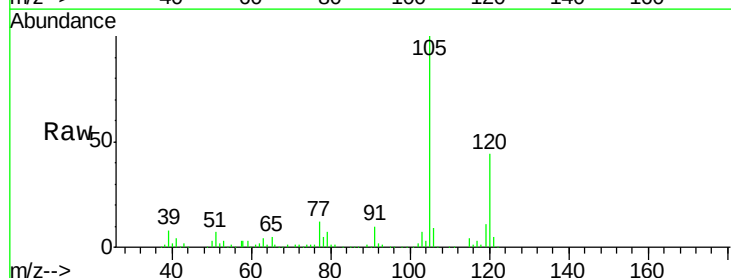
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-01-030719-B

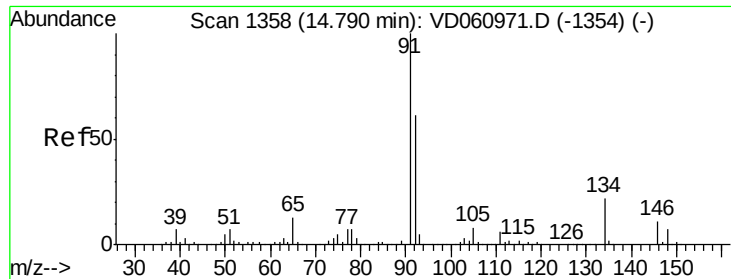
Tot Ion:105 Resp: 239512
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.9 68.5



#84
 1,2,4-Trimethylbenzene
 Concen: 8.686 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD060989.D
 Acq: 8 Mar 2019 17:46

Tgt Ion:105 Resp: 239512
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.9 68.5





#89

n-Butylbenzene

Concen: 1.594 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

OR-01-030719-B

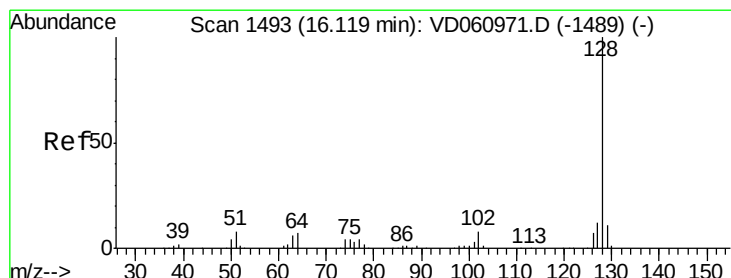
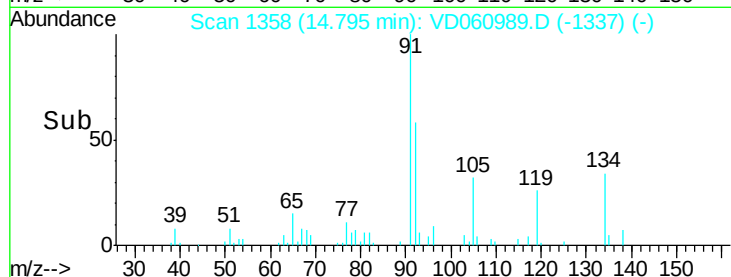
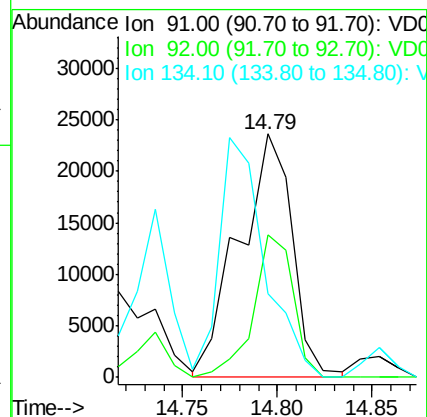
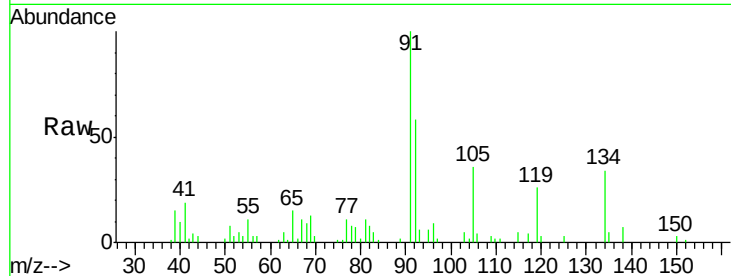
Tot Ion: 91 Resp: 46099

Ion Ratio Lower Upper

91 100

92 58.3 30.6 91.8

134 34.2 11.0 33.0#



#95

Naphthalene

Concen: 3.872 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD060989.D

Acq: 8 Mar 2019 17:46

Tgt Ion: 128 Resp: 37674

Ion Ratio Lower Upper

128 100

127 13.9 9.8 14.8

129 11.1 8.5 12.7

