

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061284.D
 Acq On : 23 Mar 2019 16:52
 Operator : VA/AP
 Sample : K2071-01RE
 Misc : 3.60µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-1RE

Quant Time: Mar 25 07:18:26 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

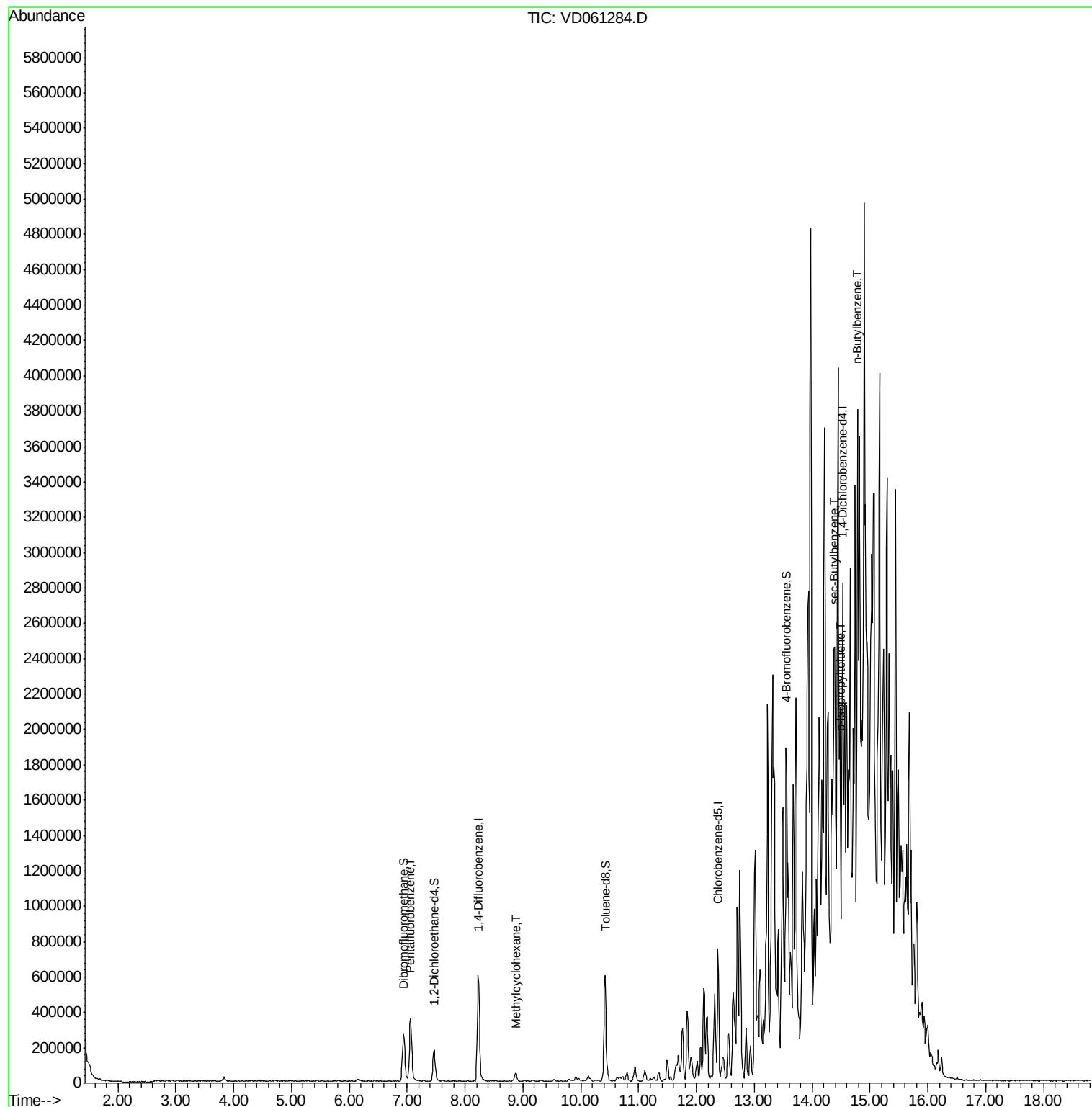
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	401650	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	757422	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	451571	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	127983	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	173904	52.02	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.04%	
35) Dibromofluoromethane	6.94	113	264757	47.10	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.20%	
50) Toluene-d8	10.42	98	469392	33.25	ug/l	0.02
Spiked Amount 50.000			Recovery	=	66.50%	
62) 4-Bromofluorobenzene	13.56	95	159475	29.12	ug/l	0.01
Spiked Amount 50.000			Recovery	=	58.24%	
Target Compounds						
39) Methylcyclohexane	8.87	83	25277	3.734	ug/l	94
85) sec-Butylbenzene	14.37	105	111301	11.897	ug/l	95
86) p-Isopropyltoluene	14.50	119	39989	5.230	ug/l	87
89) n-Butylbenzene	14.78	91	288330	39.264	ug/l #	1

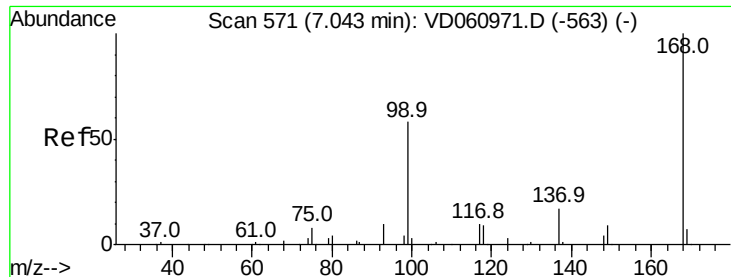
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032319\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061284.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

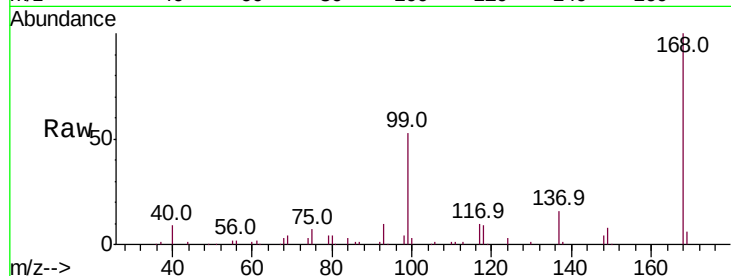
DRUM-1RE

Tot Ion:168 Resp: 401650

Ion Ratio Lower Upper

168 100

99 53.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

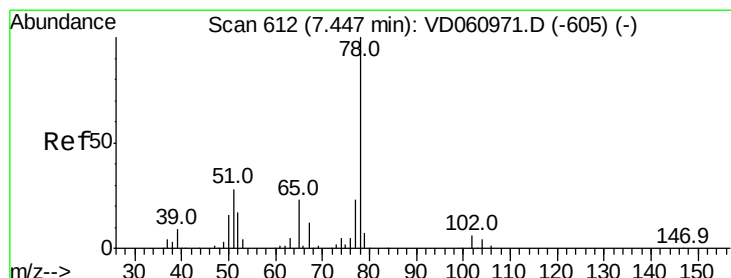
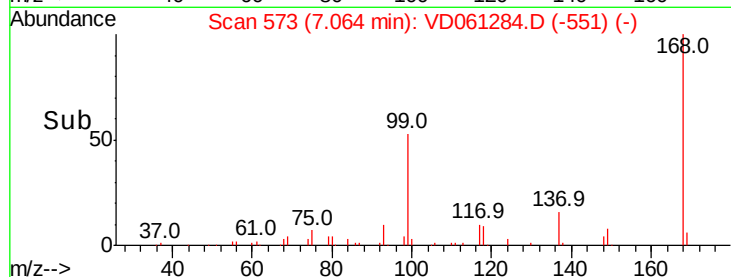
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061284.D

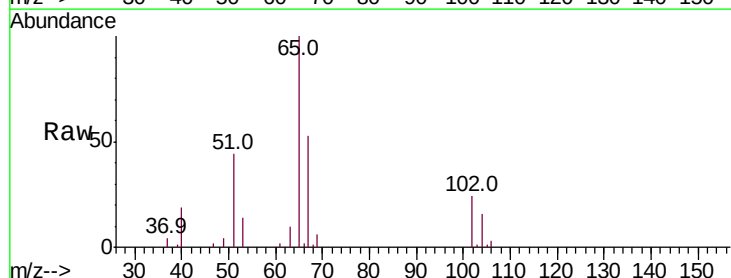
Acq: 23 Mar 2019 16:52

Tgt Ion: 65 Resp: 173904

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

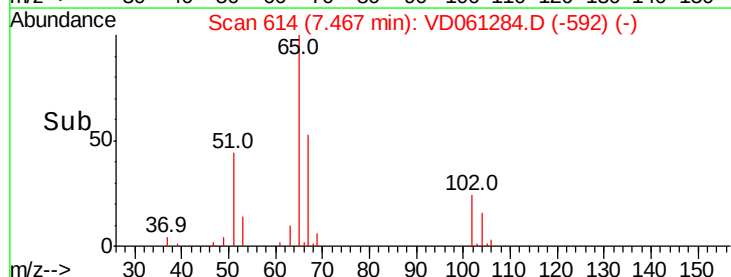
60000

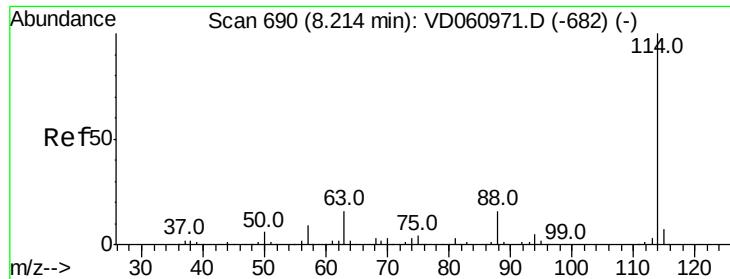
40000

20000

0

Time--> 7.30 7.40 7.50 7.60

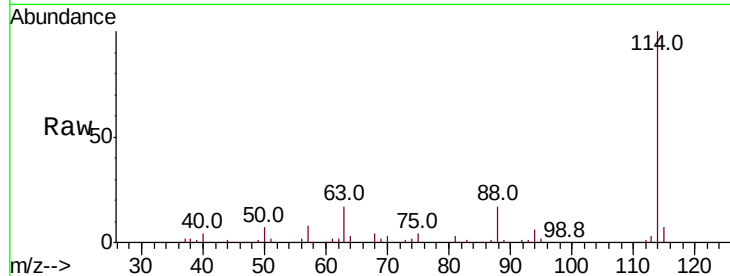




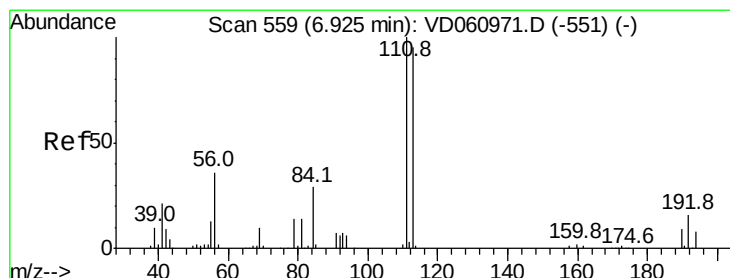
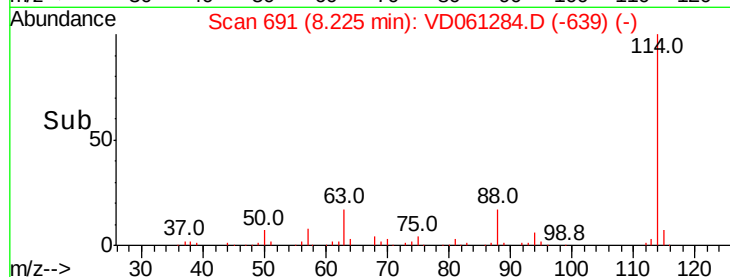
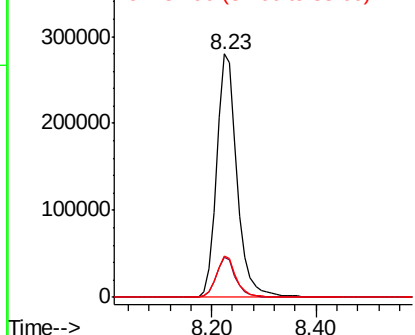
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061284.D
 Acq: 23 Mar 2019 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-1RE

Tot Ion:114 Resp: 757422
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.4
 88 16.8 0.0 33.0

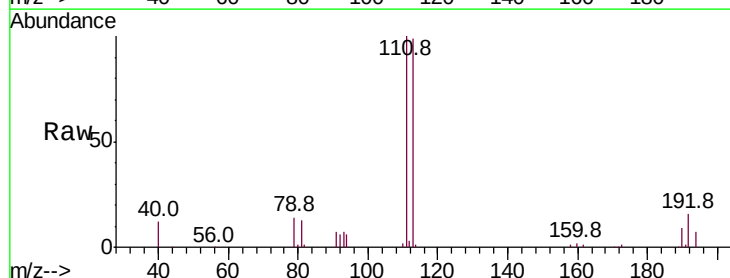


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

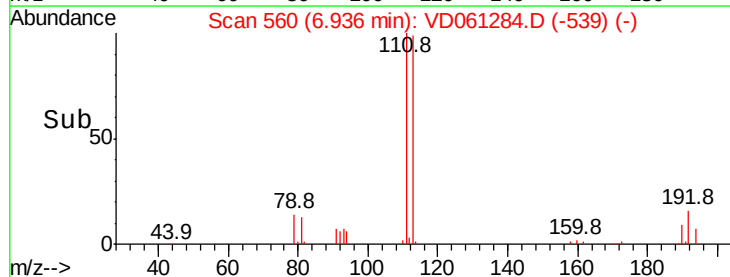
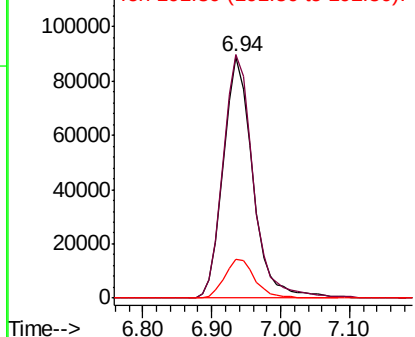


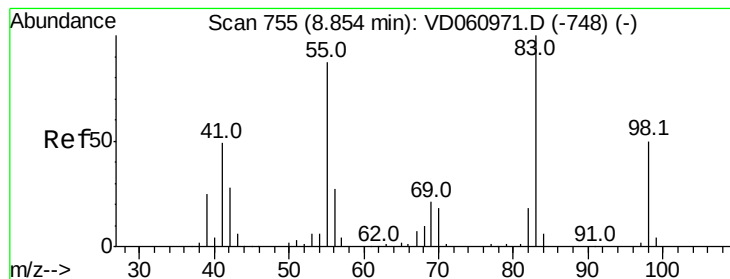
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061284.D
 Acq: 23 Mar 2019 16:52

Tgt Ion:113 Resp: 264757
 Ion Ratio Lower Upper
 113 100
 111 101.0 84.2 126.4
 192 16.2 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





#39

Methylcyclohexane

Concen: 3.734 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD061284.D

Acq: 23 Mar 2019 16:52

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1RE

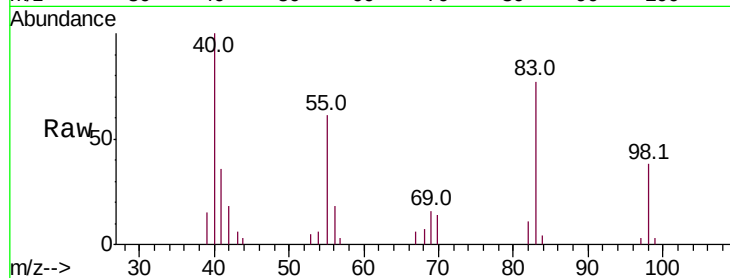
Tot Ion: 83 Resp: 25277

Ion Ratio Lower Upper

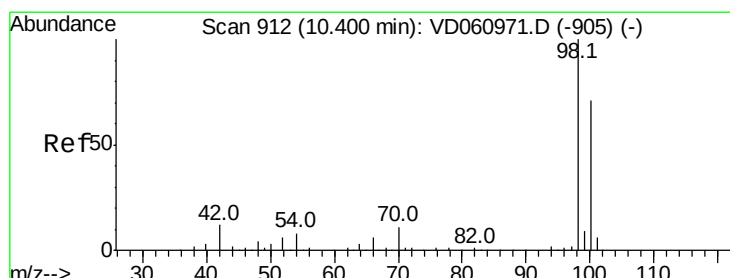
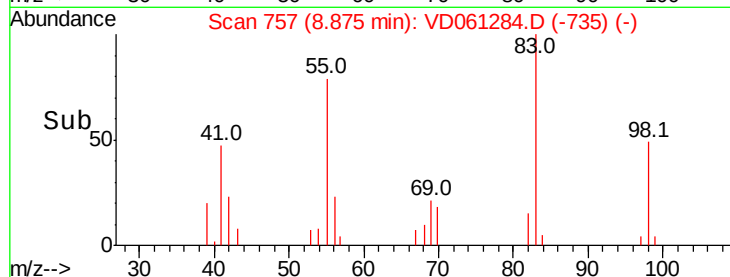
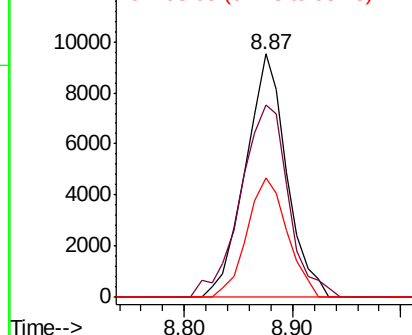
83 100

55 79.2 69.6 104.4

98 49.1 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061284.D

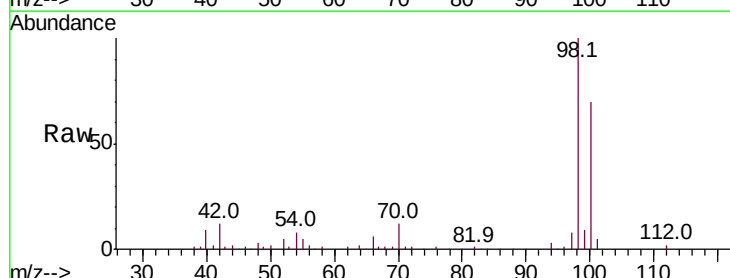
Acq: 23 Mar 2019 16:52

Tgt Ion: 98 Resp: 469392

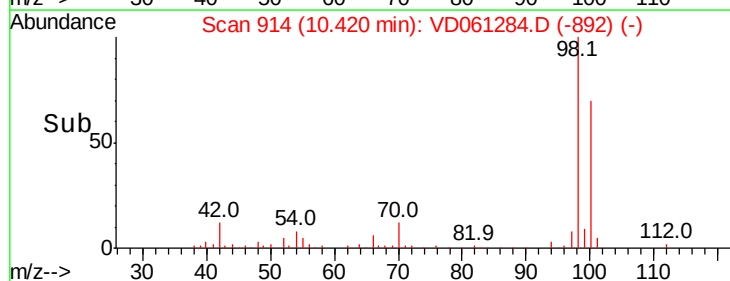
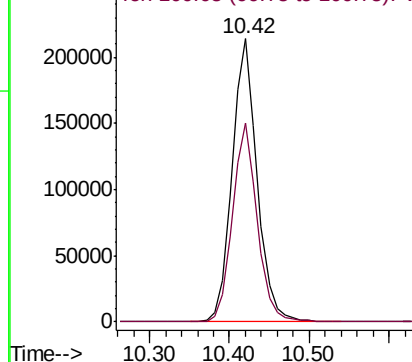
Ion Ratio Lower Upper

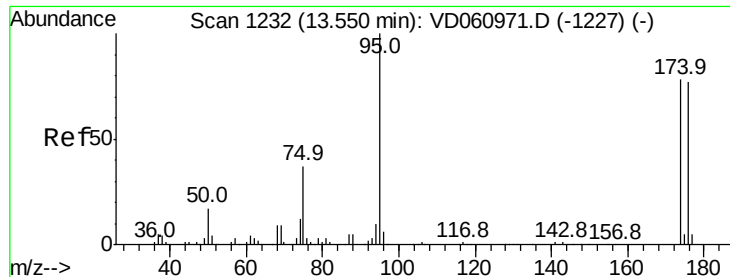
98 100

100 70.1 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061284.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

DRUM-1RE

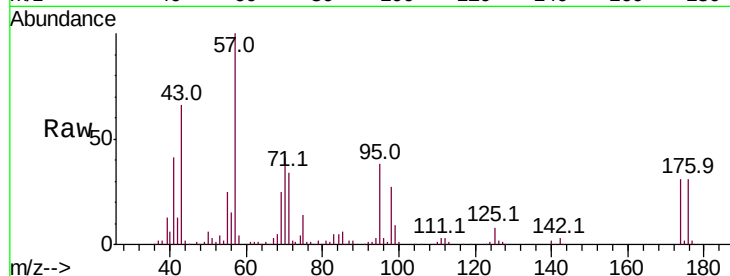
Tot Ion: 95 Resp: 159475

Ion Ratio Lower Upper

95 100

174 81.4 0.0 155.6

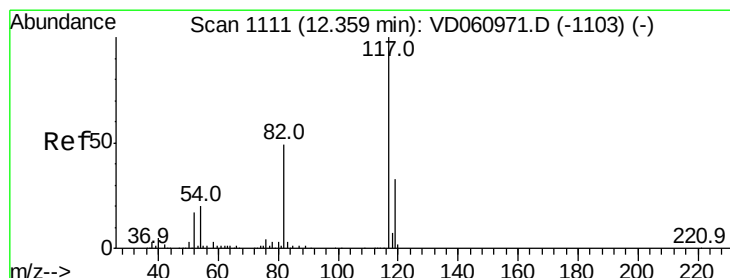
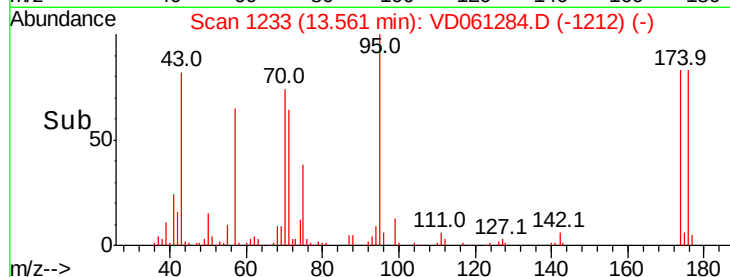
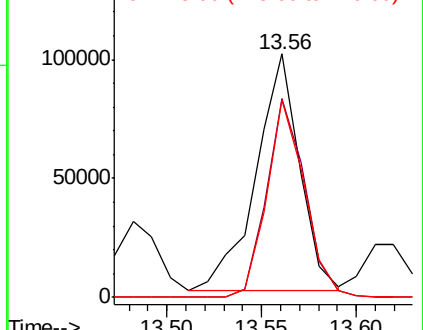
176 81.1 0.0 153.8



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: VD061284.D

Acq: 23 Mar 2019 16:52

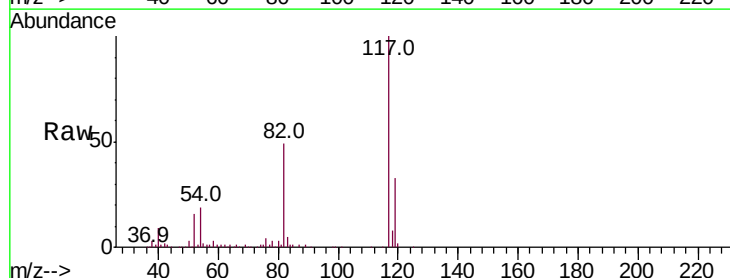
Tgt Ion: 117 Resp: 451571

Ion Ratio Lower Upper

117 100

82 48.7 38.9 58.3

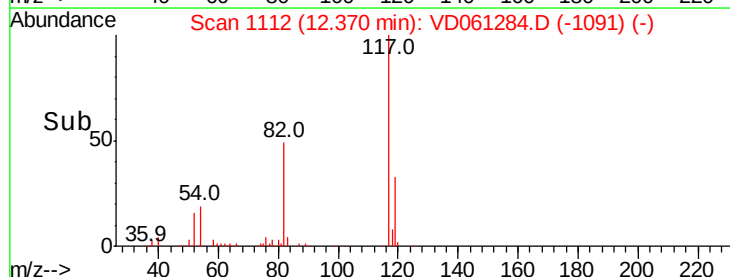
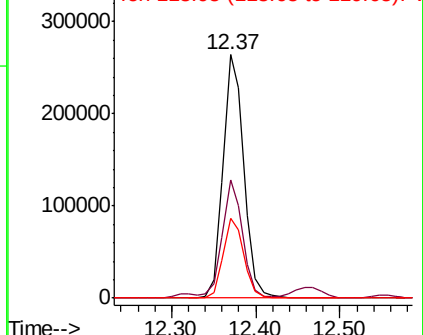
119 32.9 26.6 39.8

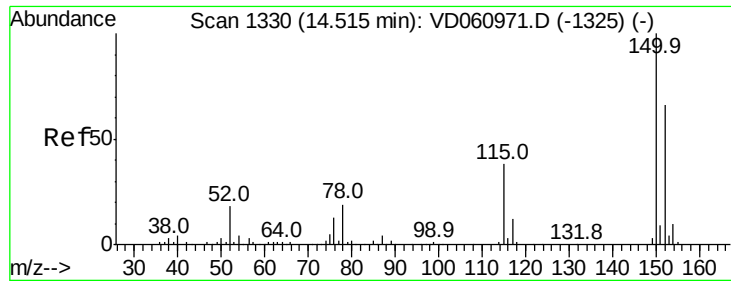


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061284.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

DRUM-1RE

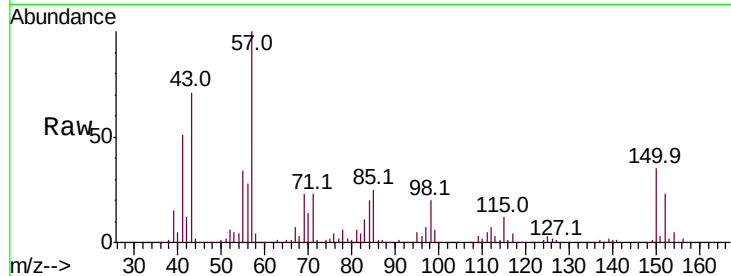
Tot Ion:152 Resp: 127983

Ion Ratio Lower Upper

152 100

115 51.6 28.6 85.9

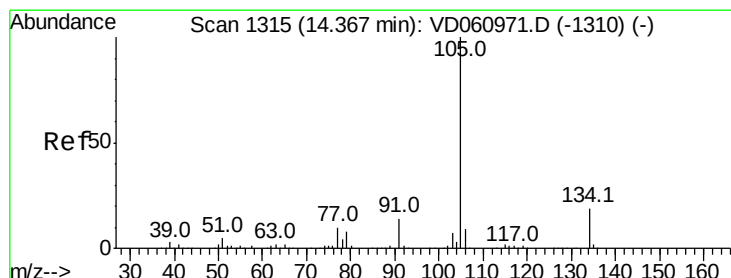
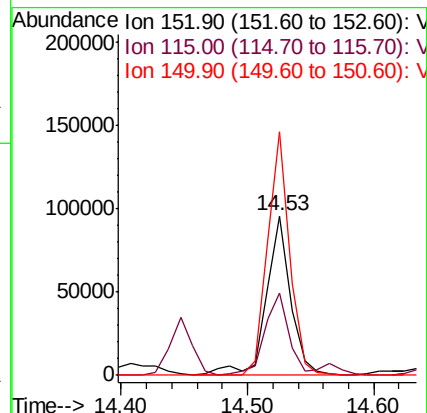
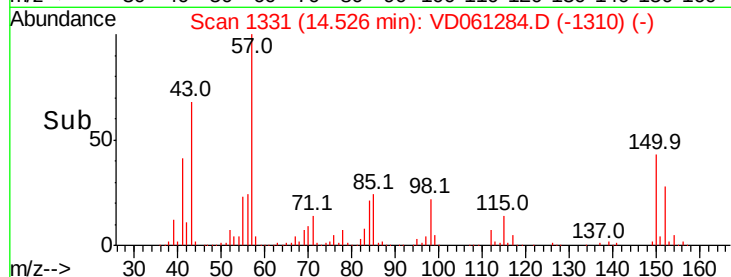
150 152.8 0.0 310.6



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



#85

sec-Butylbenzene

Concen: 11.897 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061284.D

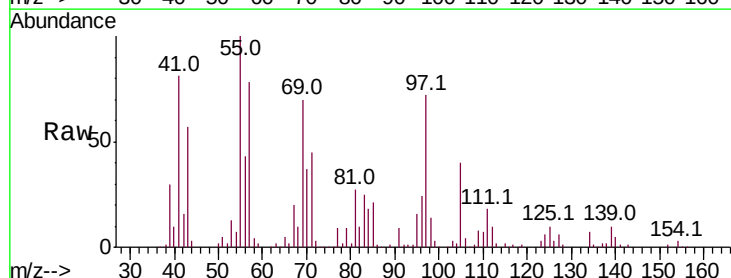
Acq: 23 Mar 2019 16:52

Tgt Ion:105 Resp: 111301

Ion Ratio Lower Upper

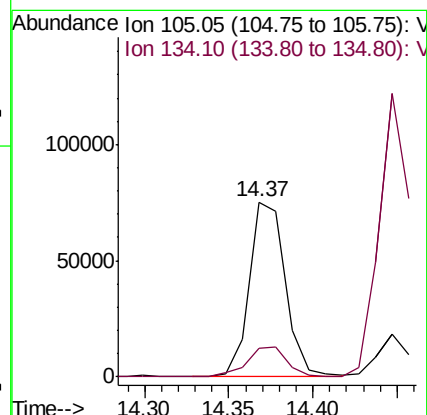
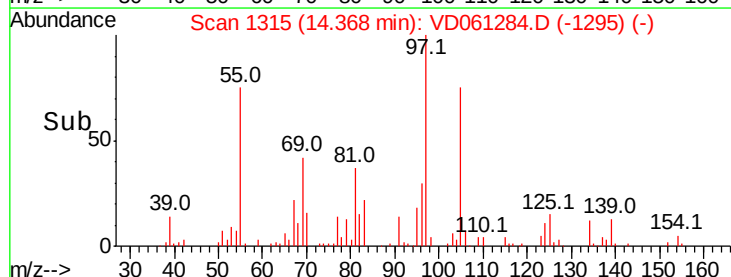
105 100

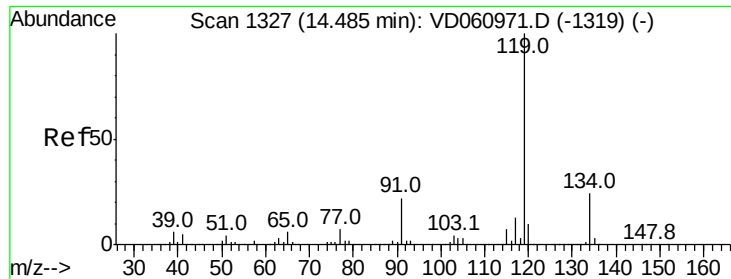
134 16.5 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

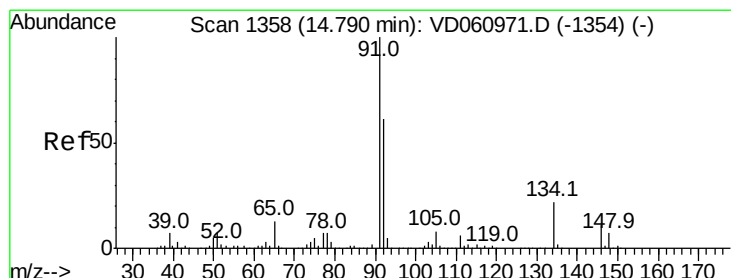
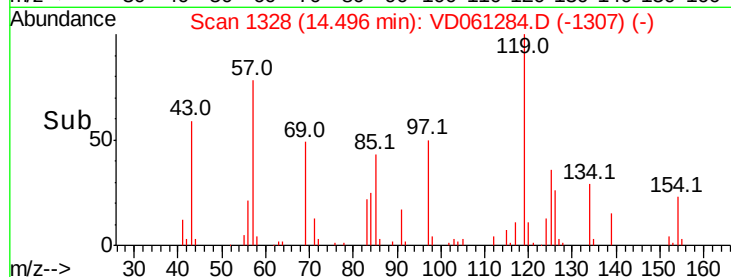
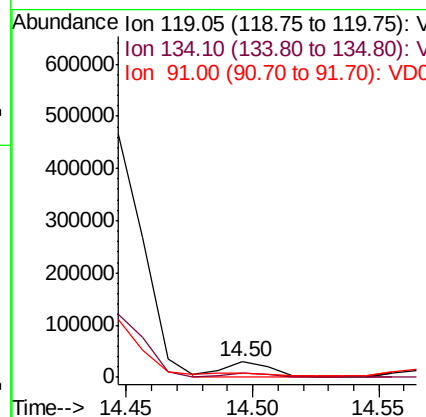
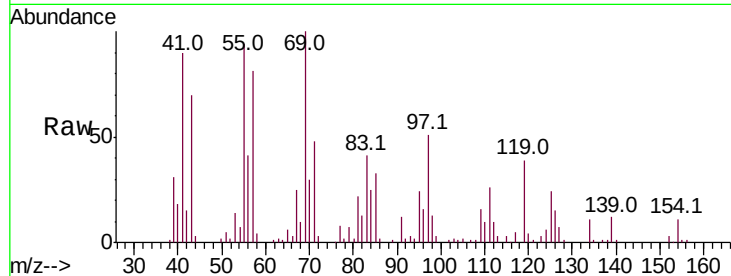




#86
p-Isopropyltoluene
Concen: 5.230 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD061284.D
Acq: 23 Mar 2019 16:52

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1RE

Tot Ion:119 Resp: 39989
Ion Ratio Lower Upper
119 100
134 28.6 12.0 36.1
91 30.4 11.2 33.6



#89
n-Butylbenzene
Concen: 39.264 ug/l
RT: 14.78 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD061284.D
Acq: 23 Mar 2019 16:52

Tgt Ion: 91 Resp: 288330
Ion Ratio Lower Upper
91 100
92 11.3 30.6 91.8#
134 173.4 11.0 33.0#

