

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062289.D
 Acq On : 13 May 2019 6:32
 Operator : FY/SY
 Sample : K2733-04RE
 Misc : 5.80µ/5mL/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-02RE

Quant Time: May 13 09:03:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

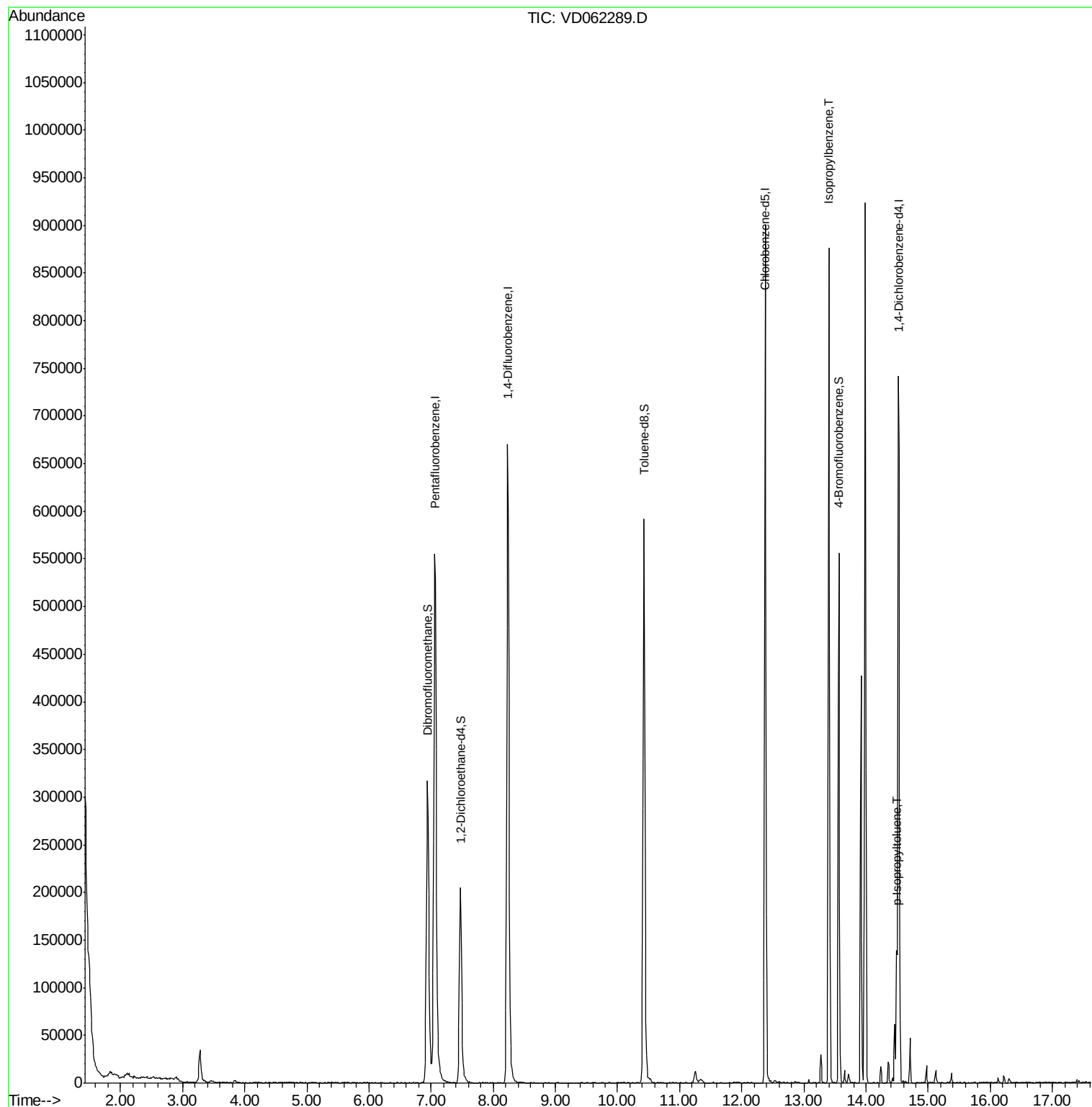
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	522390	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	717043	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	435849	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	149040	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	243483	50.15	ug/l	0.05
Spiked Amount 50.000			Recovery	=	100.30%	
35) Dibromofluoromethane	6.94	113	283831	47.71	ug/l	0.05
Spiked Amount 50.000			Recovery	=	95.42%	
50) Toluene-d8	10.43	98	481409	33.56	ug/l	0.03
Spiked Amount 50.000			Recovery	=	67.12%	
62) 4-Bromofluorobenzene	13.57	95	157586	27.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	54.72%	
Target Compounds						
73) Isopropylbenzene	13.40	105	33264	3.723	ug/l #	61
86) p-Isopropyltoluene	14.49	119	72572	8.761	ug/l	86

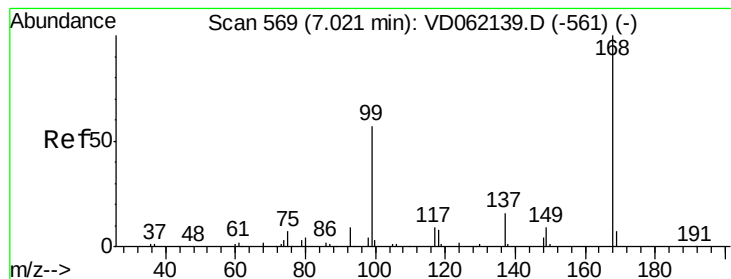
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062289.D

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Instrument :

MSVOA_D

ClientSampleId :

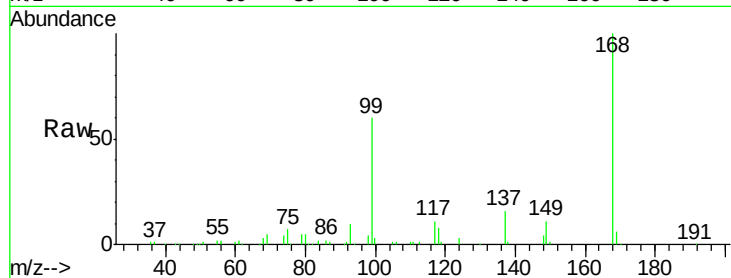
P021-SS001-0002-02RE

Tot Ion:168 Resp: 522390

Ion Ratio Lower Upper

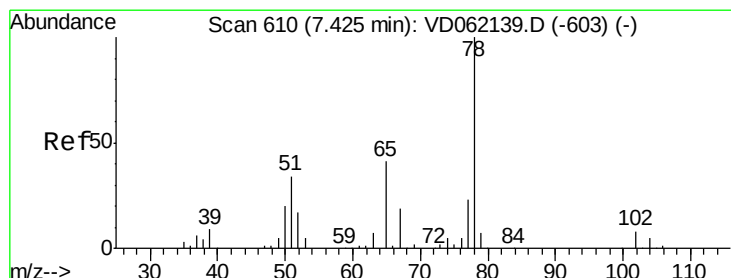
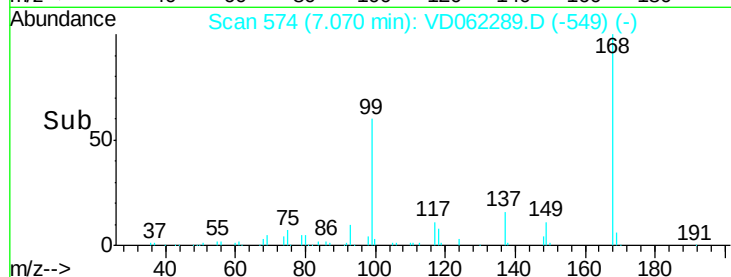
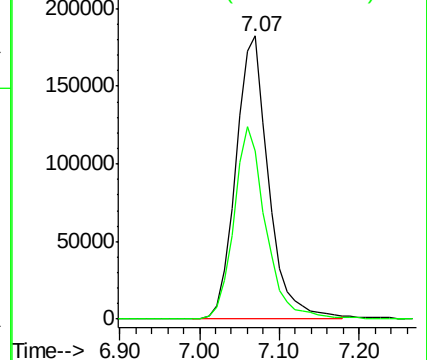
168 100

99 59.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 50.155 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062289.D

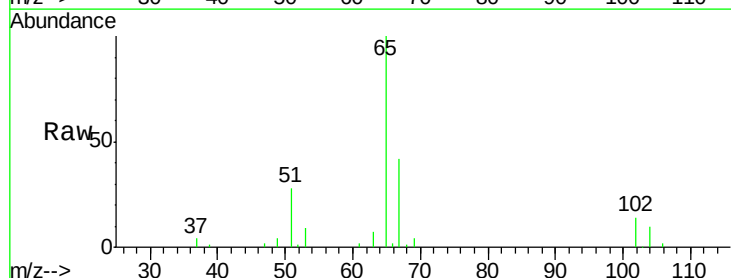
Acq: 13 May 2019 6:32

Tgt Ion: 65 Resp: 243483

Ion Ratio Lower Upper

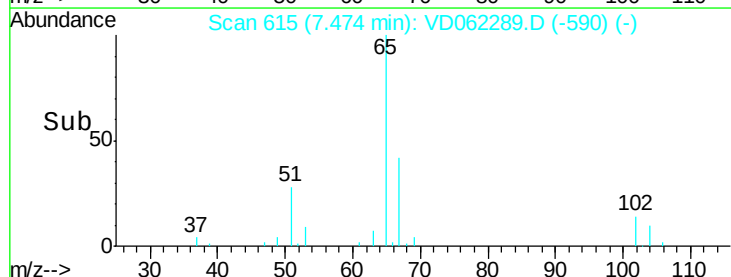
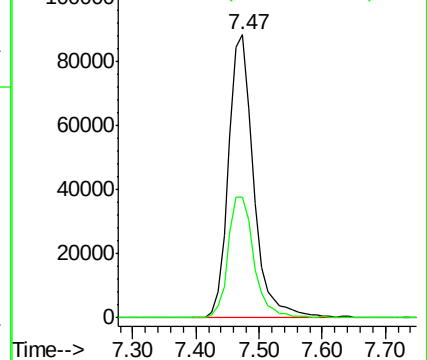
65 100

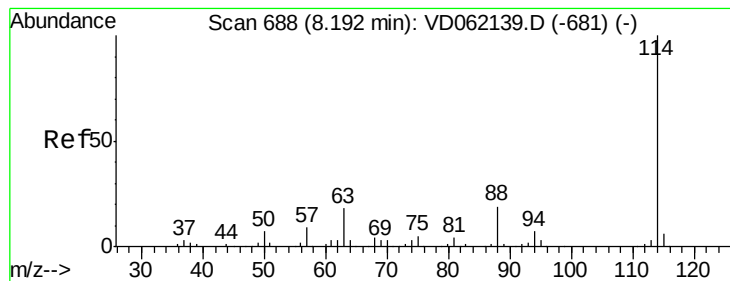
67 42.5 0.0 98.0



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: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-02RE

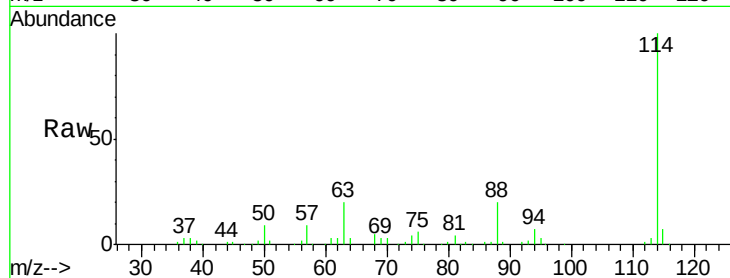
Tot Ion:114 Resp: 717043

Ion Ratio Lower Upper

114 100

63 19.5 0.0 32.4

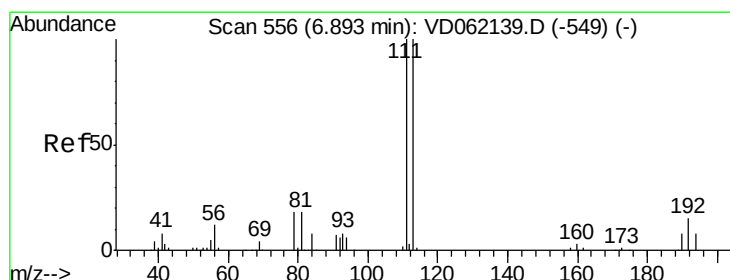
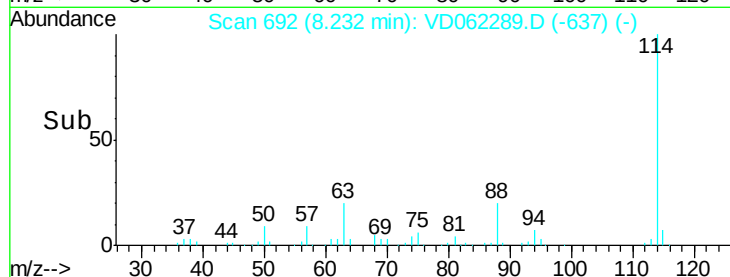
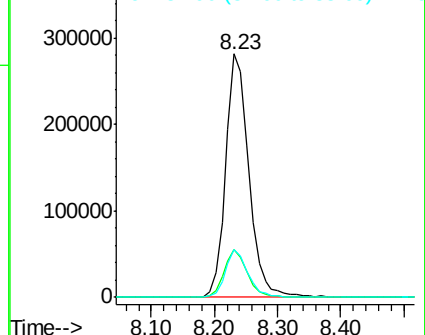
88 19.5 0.0 33.6



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: 47.708 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

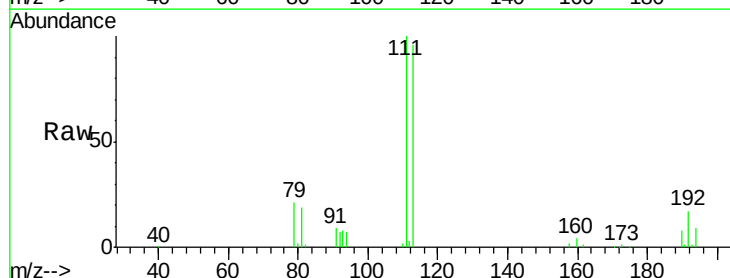
Tgt Ion:113 Resp: 283831

Ion Ratio Lower Upper

113 100

111 104.5 78.5 117.7

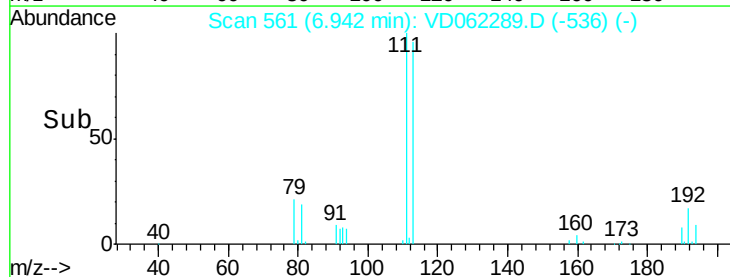
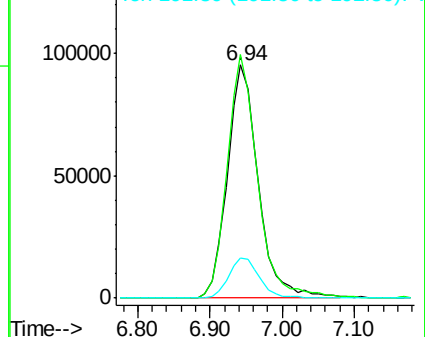
192 17.4 13.0 19.4

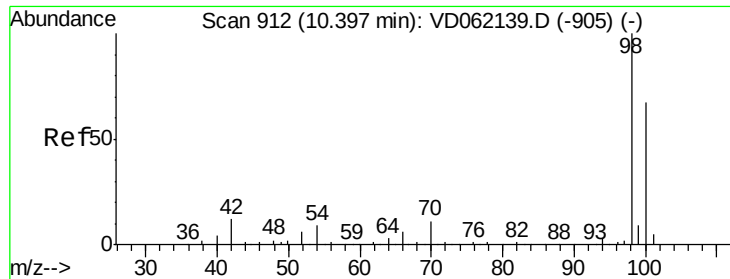


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 33.561 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

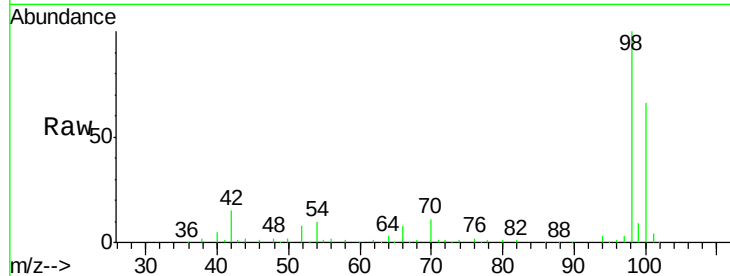
P021-SS001-0002-02RE

Tot Ion: 98 Resp: 481409

Ion Ratio Lower Upper

98 100

100 65.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.43

200000

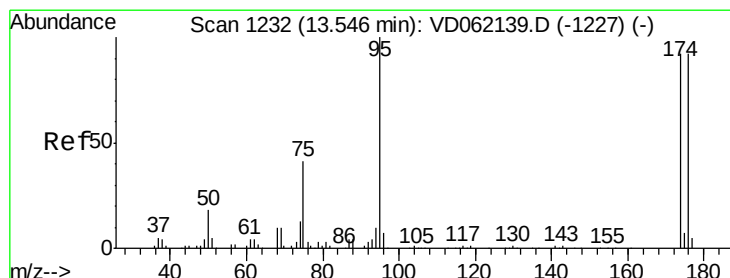
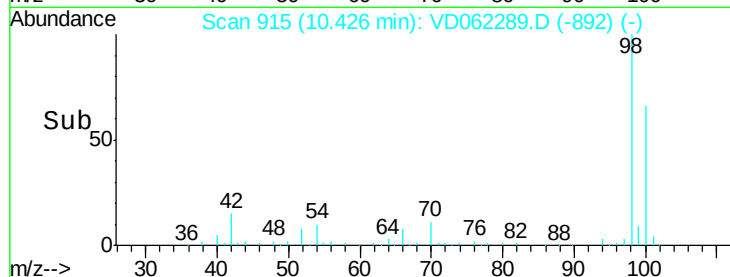
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 27.358 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

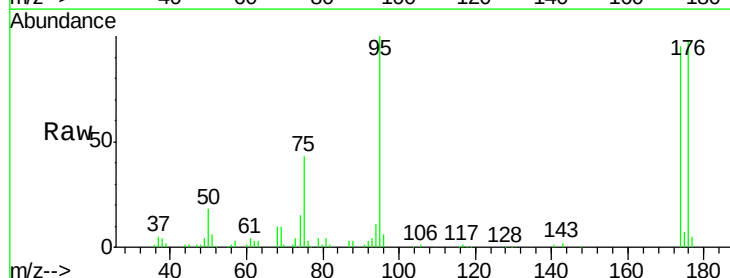
Tgt Ion: 95 Resp: 157586

Ion Ratio Lower Upper

95 100

174 95.2 0.0 181.8

176 97.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.57

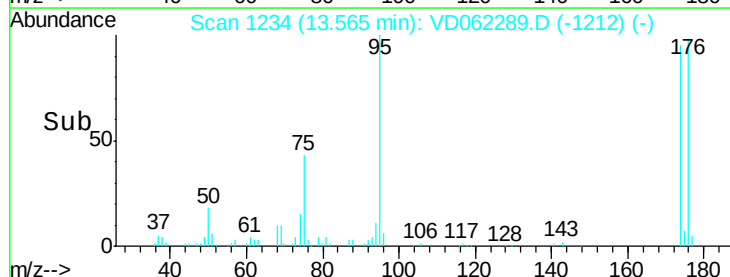
150000

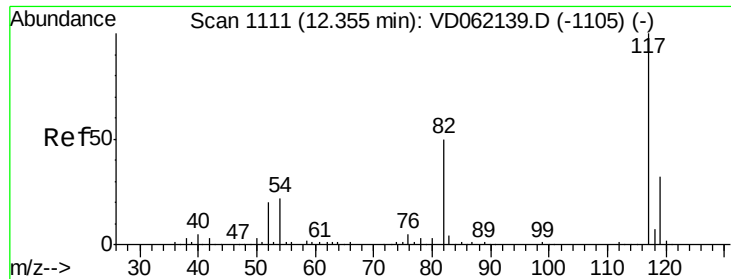
100000

50000

0

Time-->

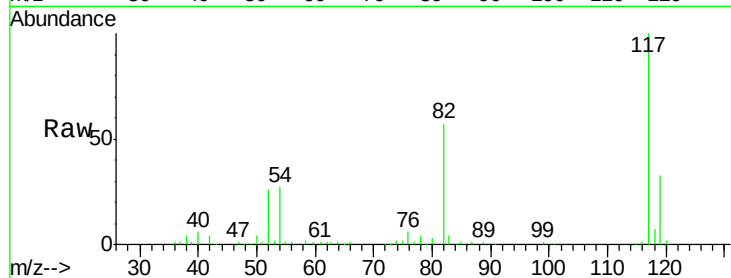




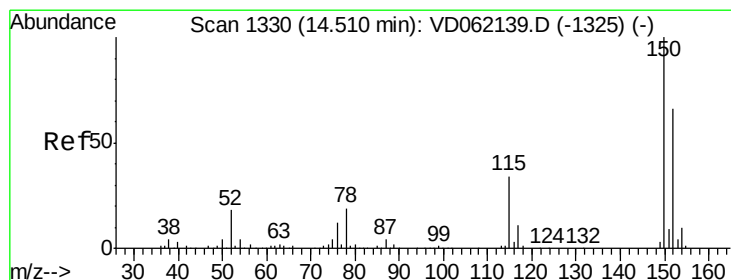
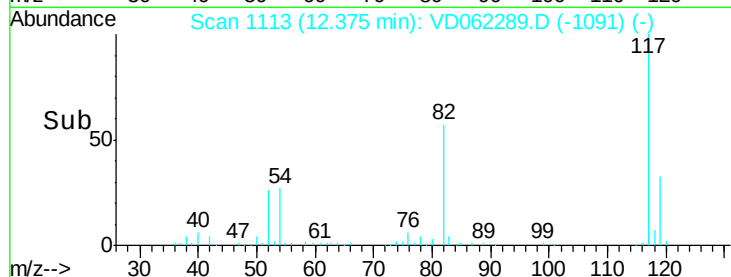
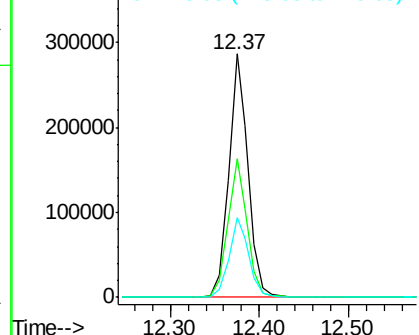
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-02RE

Tot Ion:117 Resp: 435849
Ion Ratio Lower Upper
117 100
82 57.0 36.2 54.2#
119 32.5 26.2 39.4

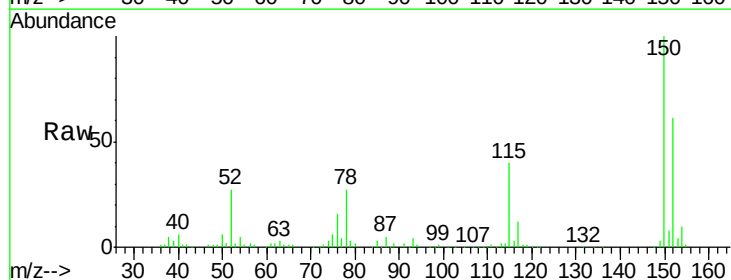


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

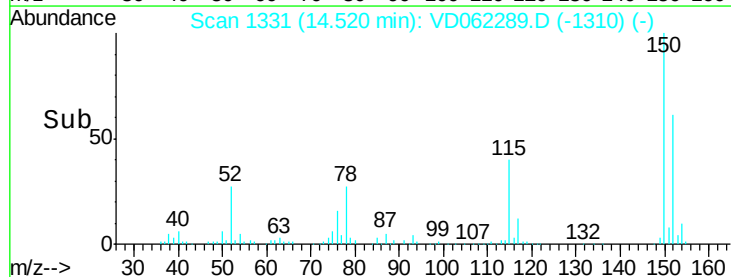
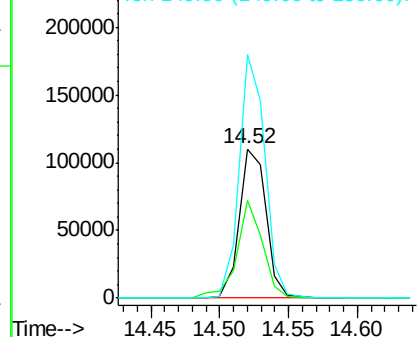


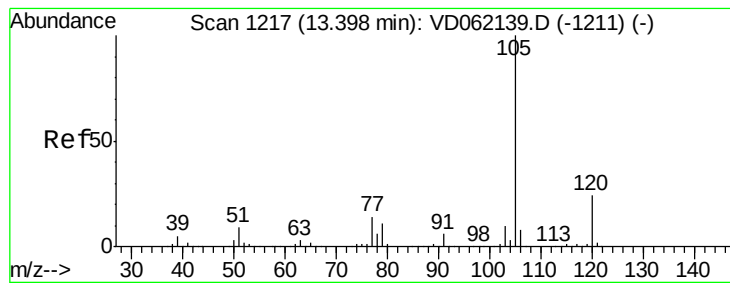
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

Tgt Ion:152 Resp: 149040
Ion Ratio Lower Upper
152 100
115 65.9 30.9 92.7
150 163.5 0.0 314.8



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: 3.723 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

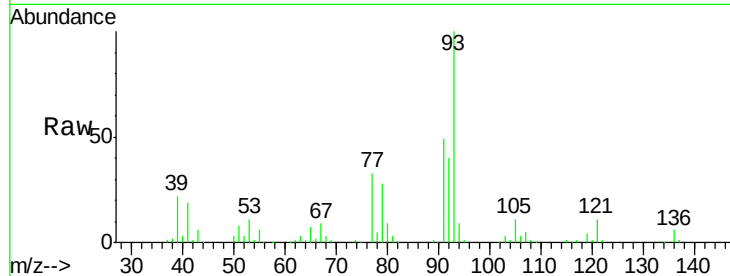
P021-SS001-0002-02RE

Tot Ion:105 Resp: 33264

Ion Ratio Lower Upper

105 100

120 4.7 12.0 36.1#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

25000

20000

15000

10000

5000

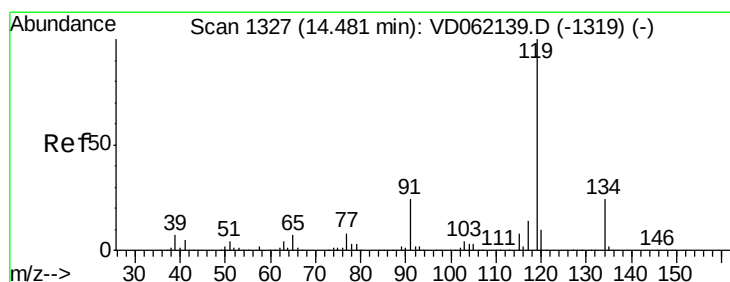
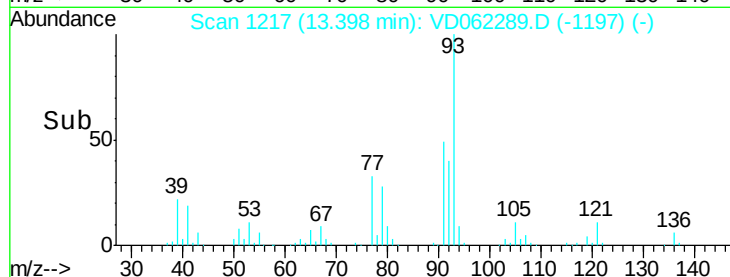
0

13.35

13.40

13.45

Time-->



#86

p-Isopropyltoluene

Concen: 8.761 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

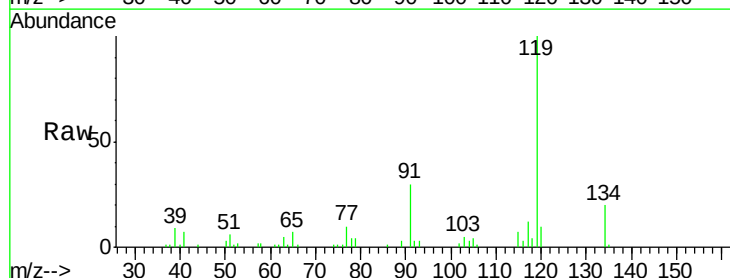
Tgt Ion:119 Resp: 72572

Ion Ratio Lower Upper

119 100

134 20.2 12.8 38.3

91 29.5 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

60000

50000

40000

30000

20000

10000

0

14.40

14.49

14.60

Time-->

