

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061818.D
 Acq On : 16 Apr 2019 18:54
 Operator : VA/AP
 Sample : K2376-02
 Misc : 2.59g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-S2

Quant Time: Apr 17 01:12:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

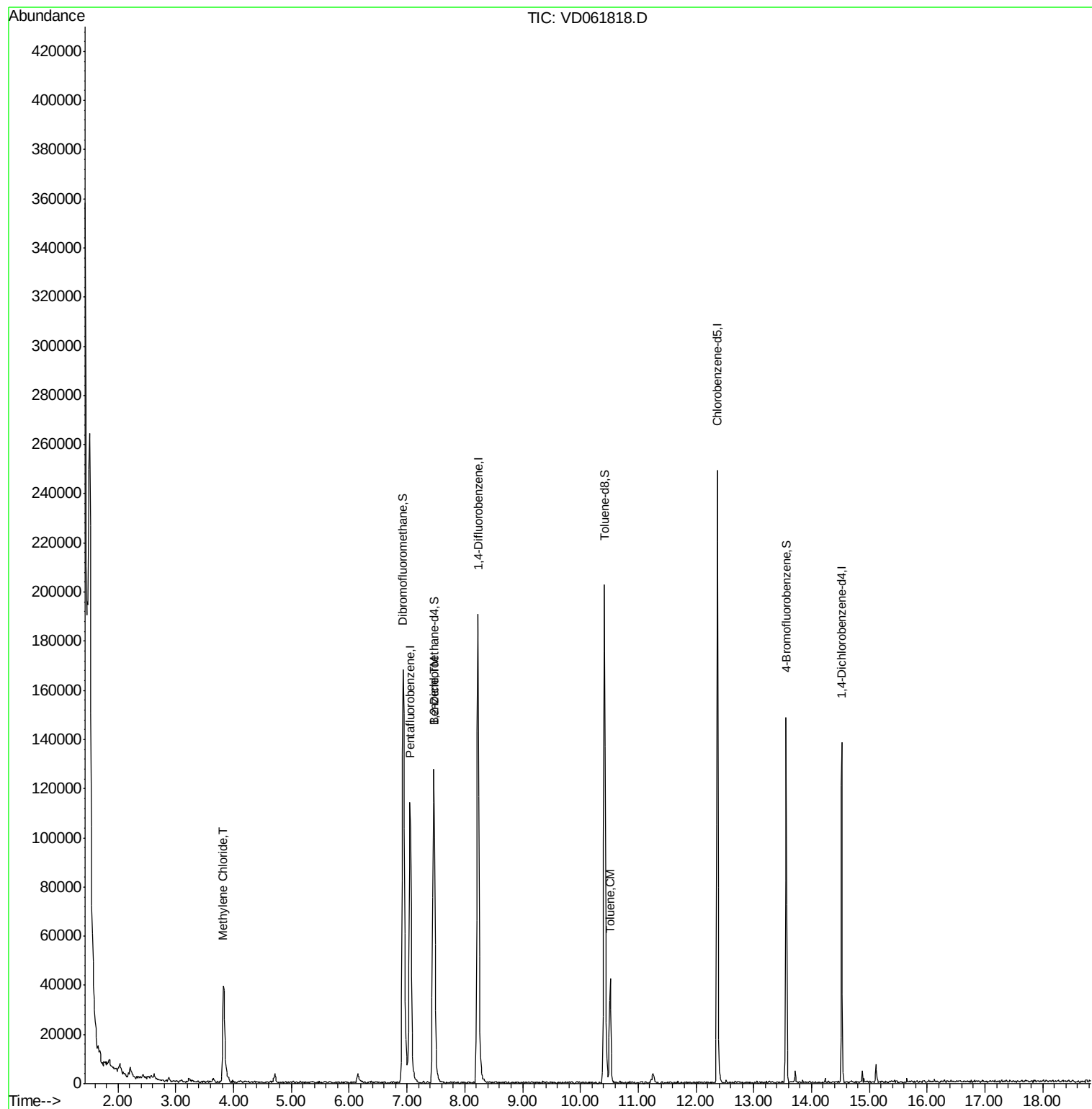
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	123488	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.23	114	243660	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.37	117	158327	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	36140	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	123386	119.22	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	238.44%	
35) Dibromofluoromethane	6.93	113	161498	87.73	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	175.46%	
50) Toluene-d8	10.42	98	178218	40.86	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	81.72%	
62) 4-Bromofluorobenzene	13.56	95	45331	25.64	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	51.28%	
Target Compounds						
20) Methylene Chloride	3.82	84	29957	20.964	ug/l	96
40) Benzene	7.48	78	6385	1.336	ug/l #	87
52) Toluene	10.52	92	23946	7.817	ug/l	92

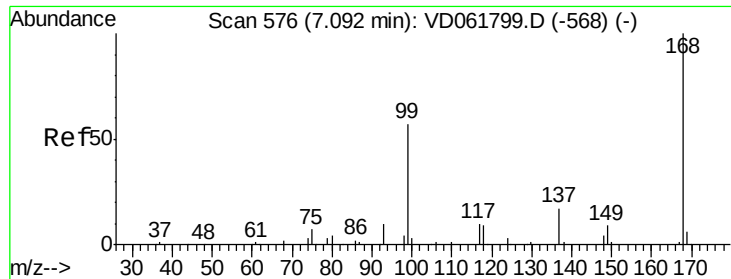
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

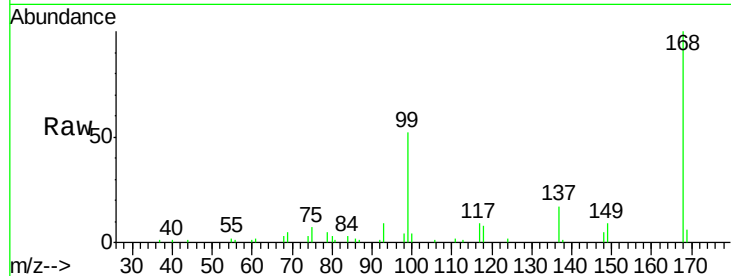
TP-4-S2

Tot Ion:168 Resp: 123488

Ion Ratio Lower Upper

168 100

99 51.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

40000

30000

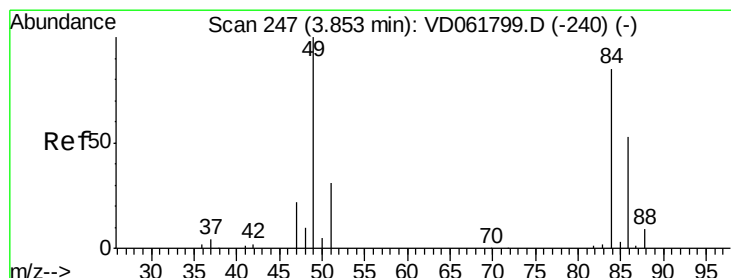
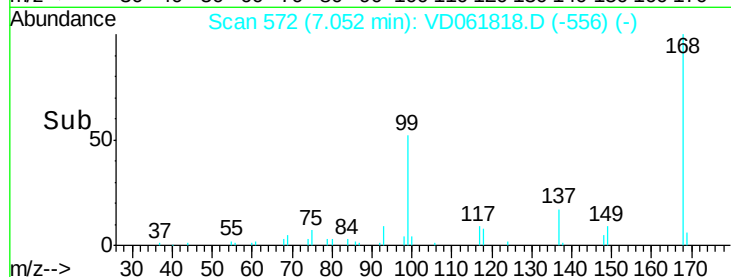
20000

10000

0

6.90 7.00 7.10 7.20

Time-->



#20

Methylene Chloride

Concen: 20.964 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.03 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

Tgt Ion: 84 Resp: 29957

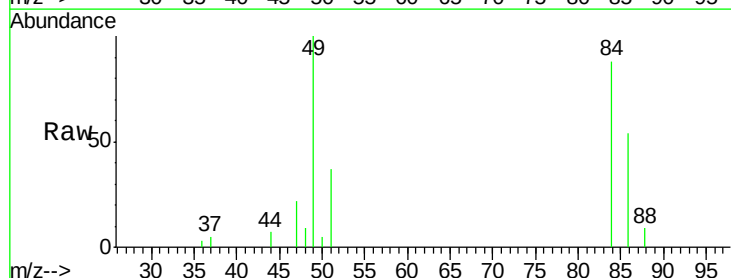
Ion Ratio Lower Upper

84 100

49 114.2 94.0 141.0

51 42.3 29.0 43.4

86 61.6 49.8 74.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

15000

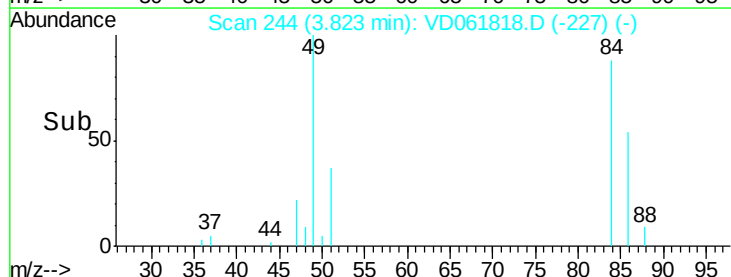
10000

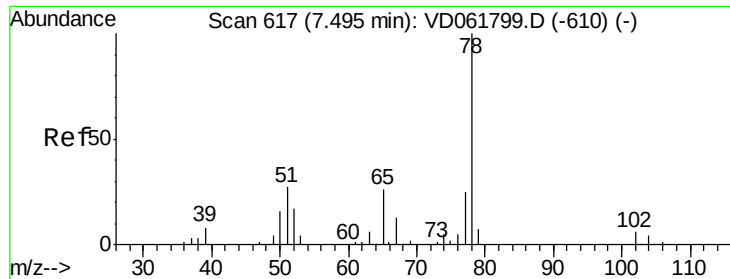
5000

0

3.70 3.80 3.90 4.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.03 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

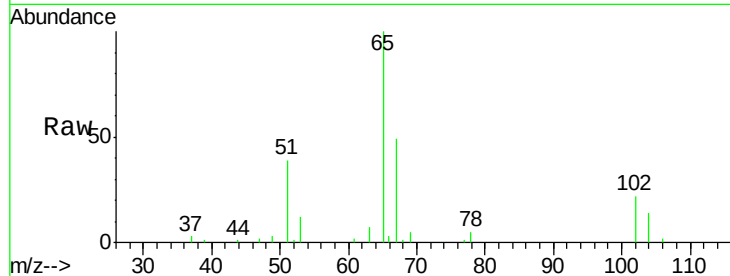
TP-4-S2

Tot Ion: 65 Resp: 123386

Ion Ratio Lower Upper

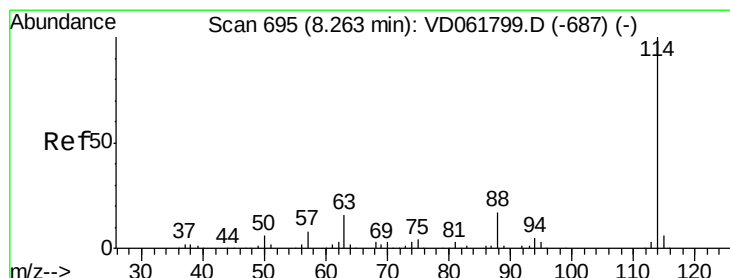
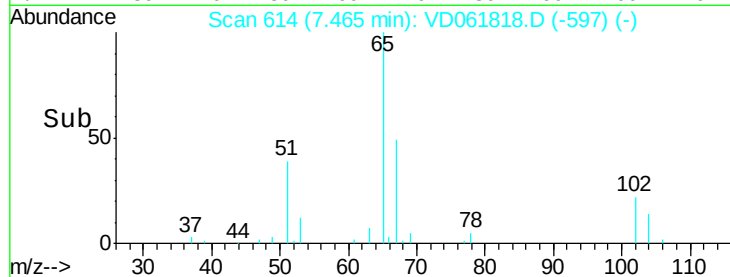
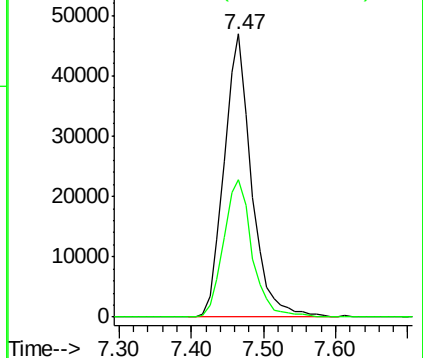
65 100

67 48.8 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. -0.03 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

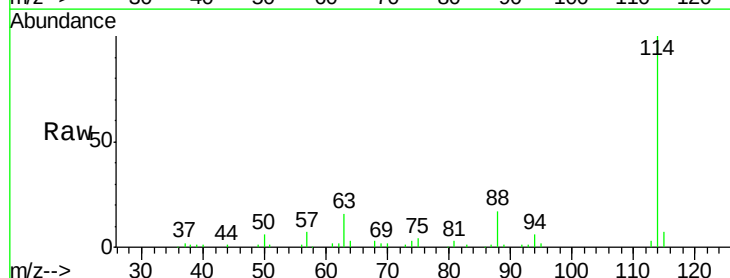
Tgt Ion: 114 Resp: 243660

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.4

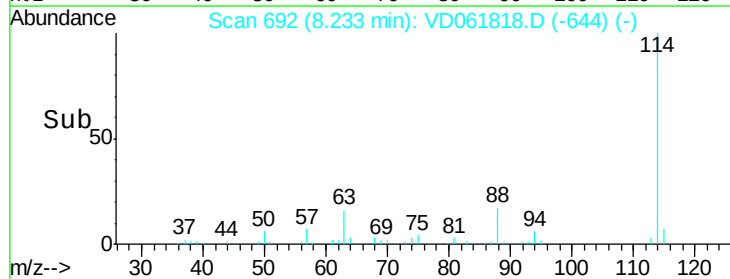
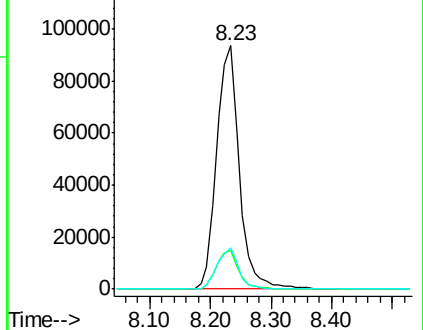
88 16.8 0.0 33.6

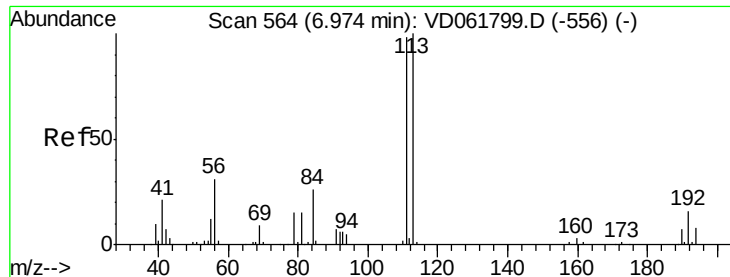


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

TP-4-S2

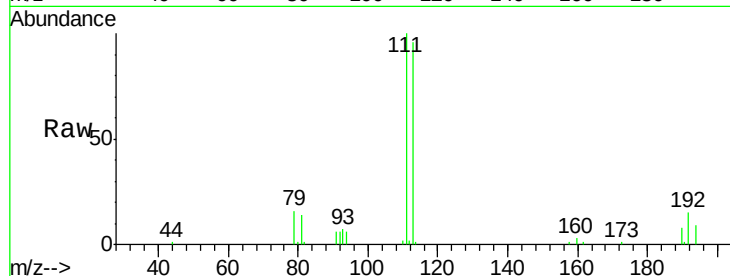
Tot Ion:113 Resp: 161498

Ion Ratio Lower Upper

113 100

111 104.2 78.5 117.7

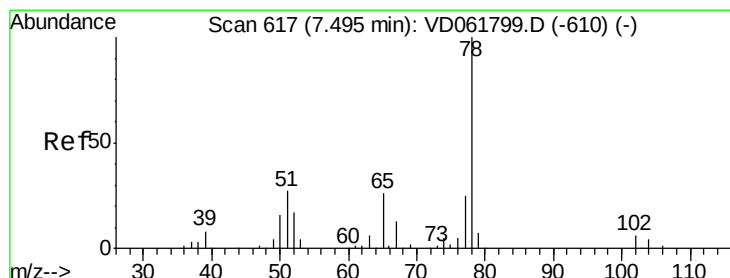
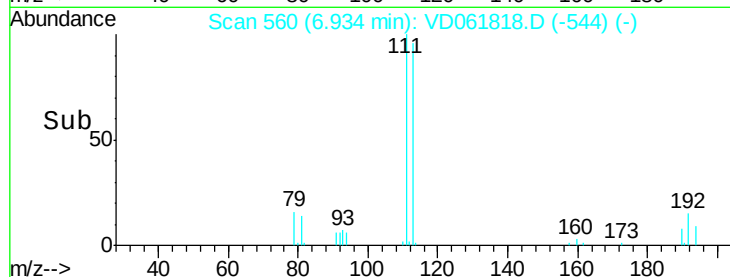
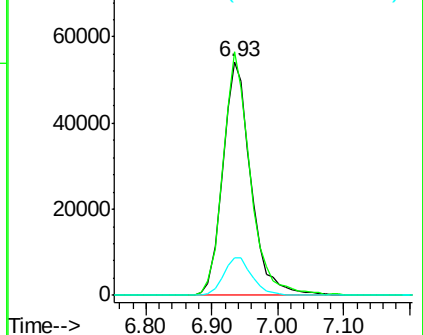
192 16.1 13.0 19.4



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



#40

Benzene

Concen: 1.336 ug/l

RT: 7.48 min Scan# 615

Delta R.T. -0.02 min

Lab File: VD061818.D

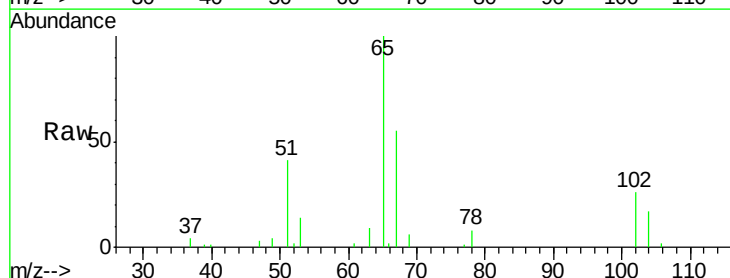
Acq: 16 Apr 2019 18:54

Tgt Ion: 78 Resp: 6385

Ion Ratio Lower Upper

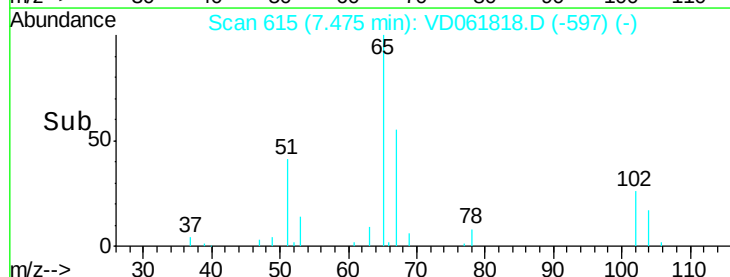
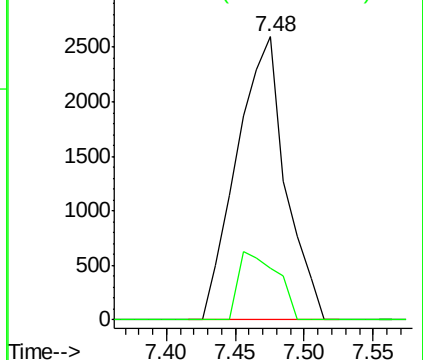
78 100

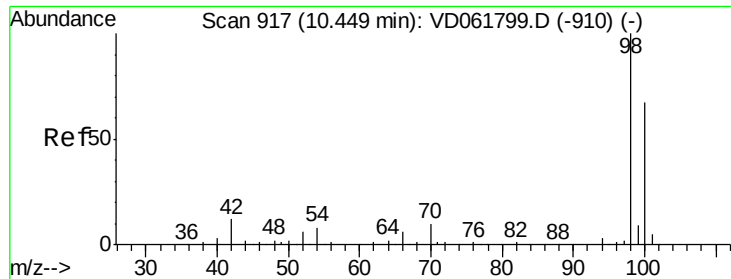
77 18.1 19.7 29.5#



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

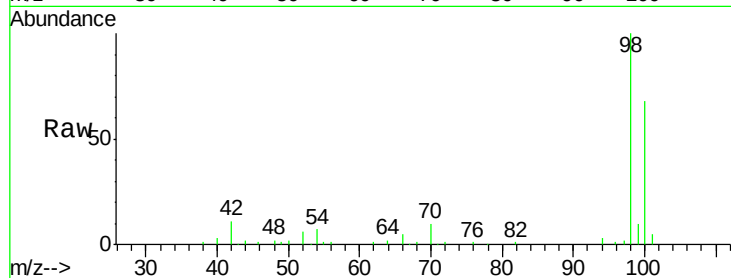




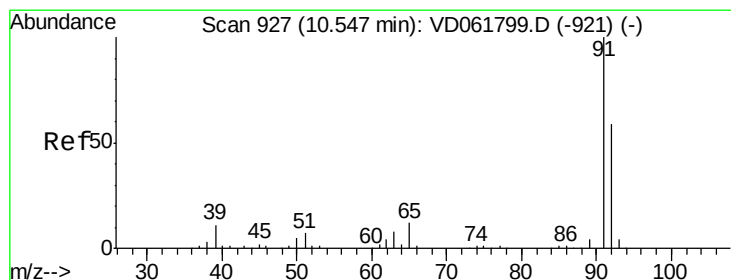
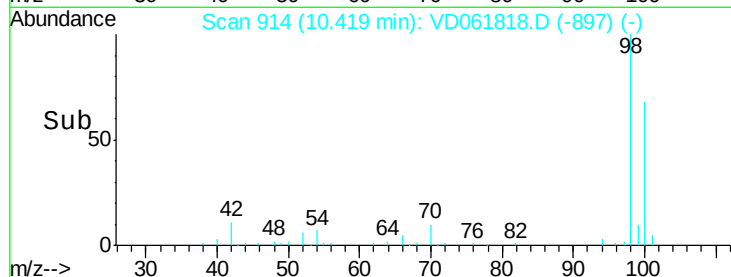
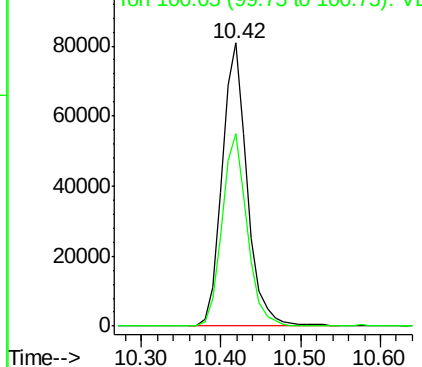
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD061818.D
Acq: 16 Apr 2019 18:54

Instrument :
MSVOA_D
ClientSampleId :
TP-4-S2

Tot Ion: 98 Resp: 178218
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.8

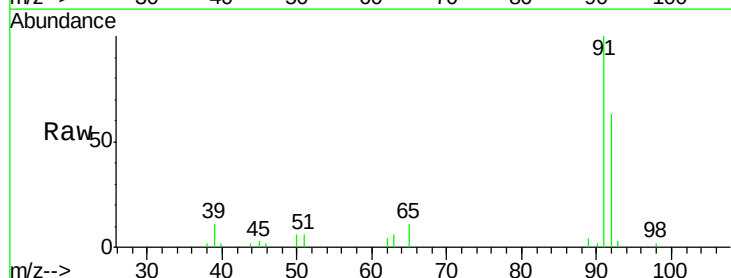


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

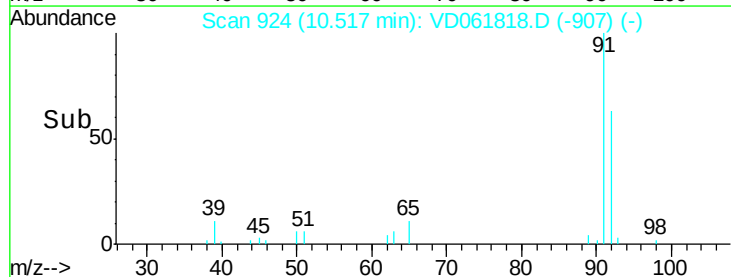
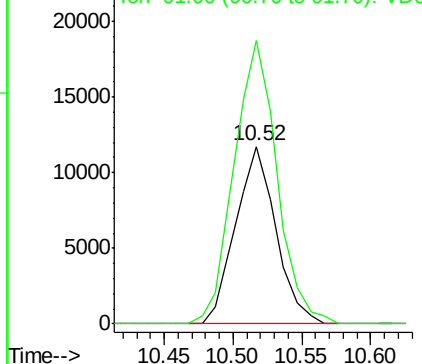


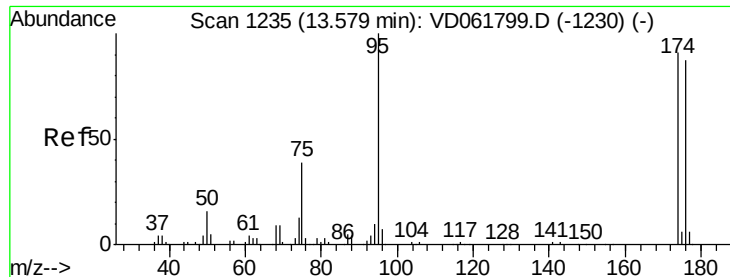
#52
Toluene
Concen: 7.817 ug/l
RT: 10.52 min Scan# 924
Delta R.T. -0.03 min
Lab File: VD061818.D
Acq: 16 Apr 2019 18:54

Tgt Ion: 92 Resp: 23946
Ion Ratio Lower Upper
92 100
91 159.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VD0
Ion 91.00 (90.70 to 91.70): VD0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

TP-4-S2

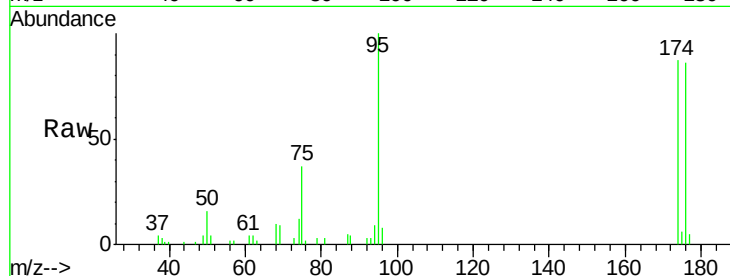
Tot Ion: 95 Resp: 45331

Ion Ratio Lower Upper

95 100

174 86.8 0.0 181.8

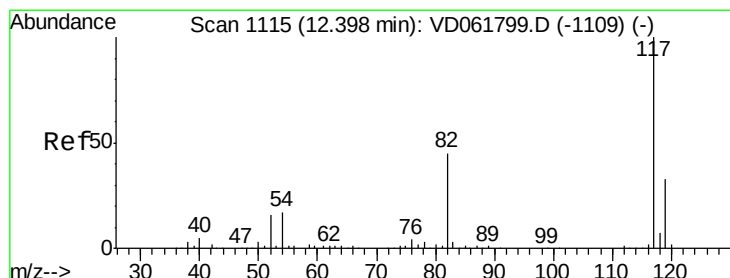
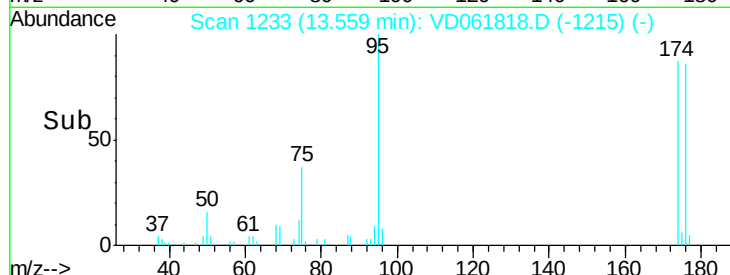
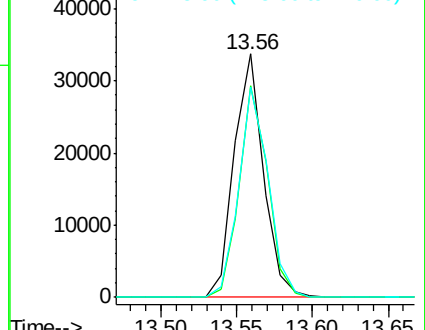
176 86.3 0.0 174.4



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. -0.03 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

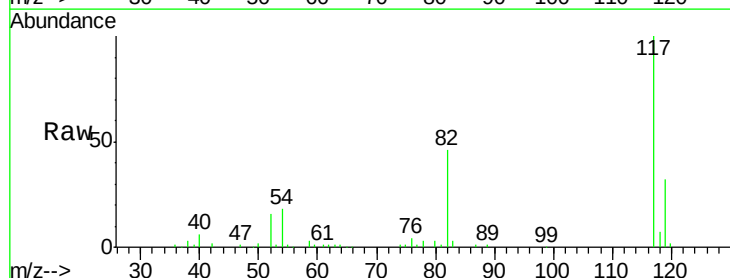
Tgt Ion: 117 Resp: 158327

Ion Ratio Lower Upper

117 100

82 46.4 36.2 54.2

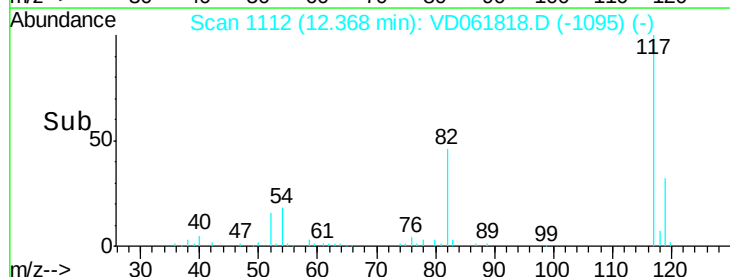
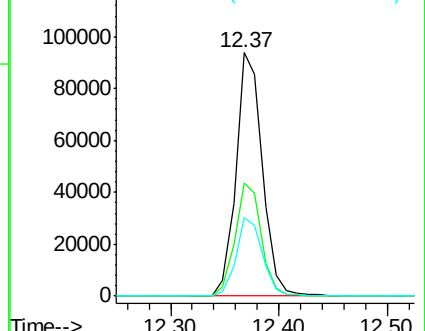
119 32.1 26.2 39.4

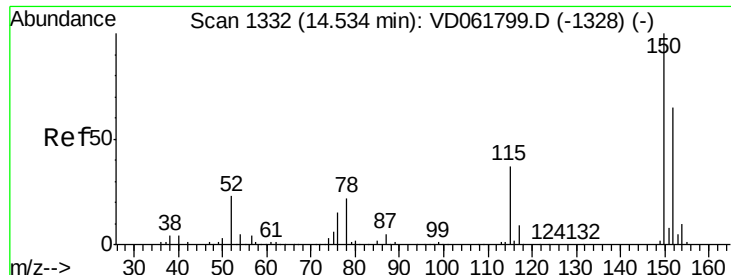


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

TP-4-S2

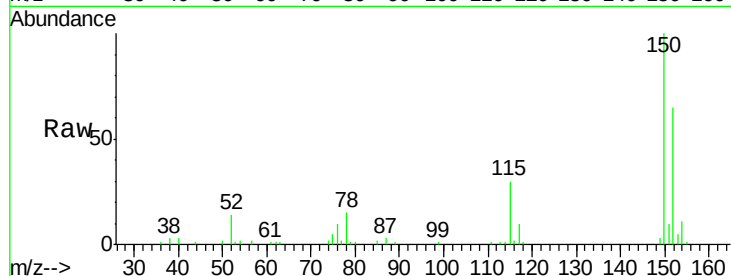
Tot Ion:152 Resp: 36140

Ion Ratio Lower Upper

152 100

115 46.6 30.9 92.7

150 154.2 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

