

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063667.D
 Acq On : 19 Aug 2019 19:34
 Operator : JC/SY
 Sample : K4385-02RE
 Misc : 6.10g/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-A1-(0)RE

Quant Time: Aug 20 09:10:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

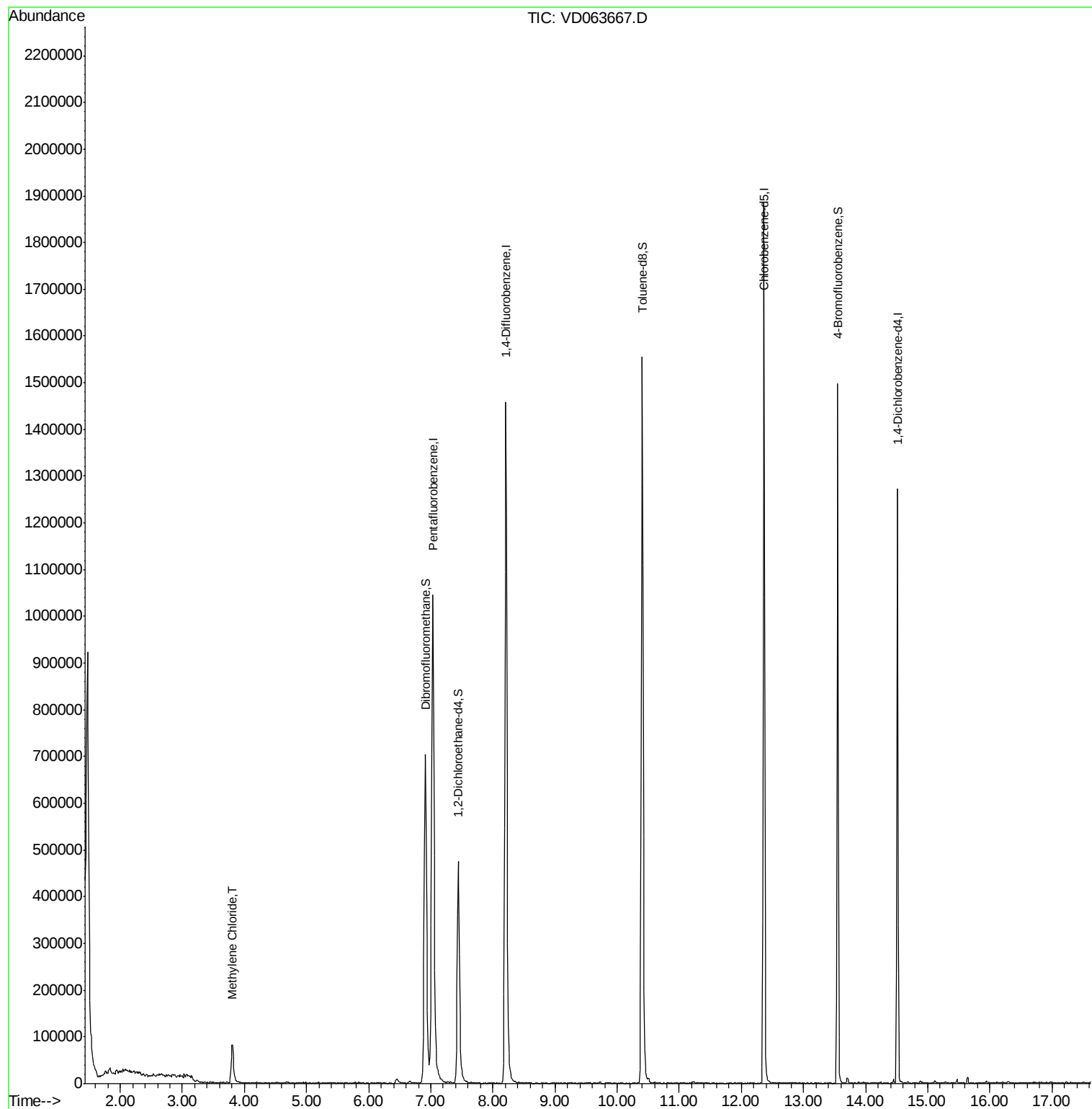
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1063005	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1519194	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	977614	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	316666	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	524681	46.18	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.36%	
35) Dibromofluoromethane	6.91	113	652765	51.02	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.04%	
50) Toluene-d8	10.40	98	1251332	44.48	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.96%	
62) 4-Bromofluorobenzene	13.55	95	410943	32.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.46%	
Target Compounds						
20) Methylene Chloride	3.81	84	50273	5.033	ug/l	Qvalue 96

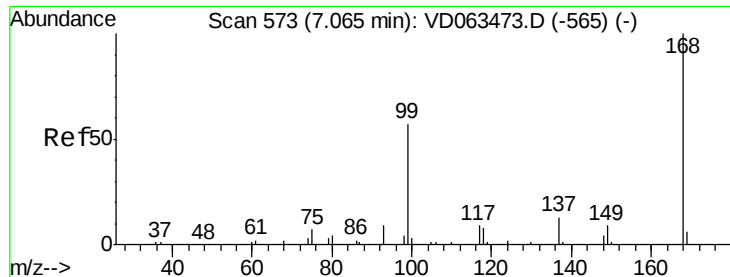
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

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ClientSampleId :

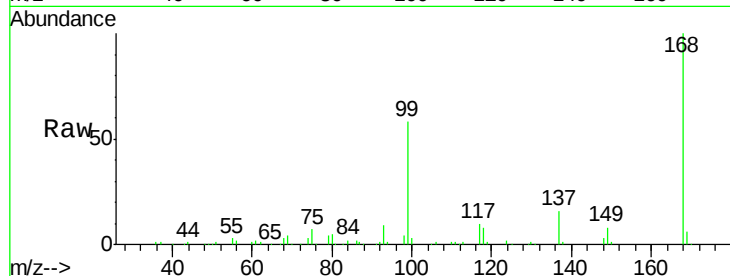
T8-A1-(0)RE

Tot Ion:168 Resp: 1063005

Ion Ratio Lower Upper

168 100

99 58.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

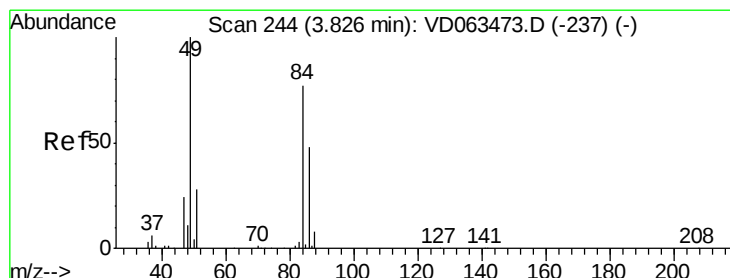
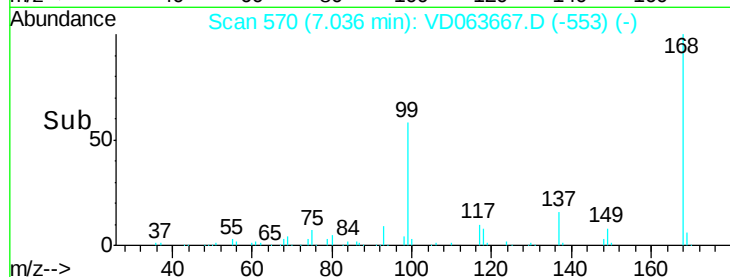
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#20

Methylene Chloride

Concen: 5.033 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Tgt Ion: 84 Resp: 50273

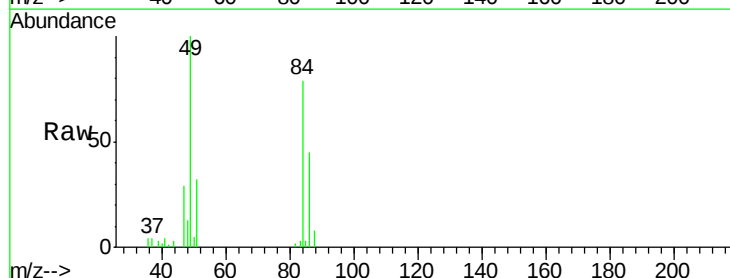
Ion Ratio Lower Upper

84 100

49 126.6 103.4 155.2

51 40.6 28.5 42.7

86 56.7 49.4 74.2



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

30000

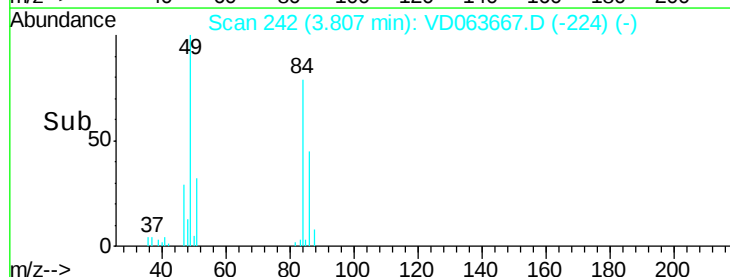
20000

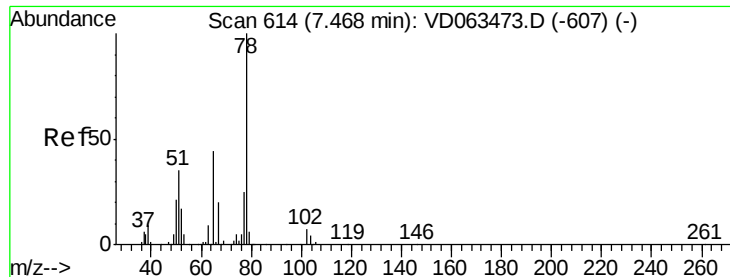
10000

0

3.70 3.80 3.90

Time-->

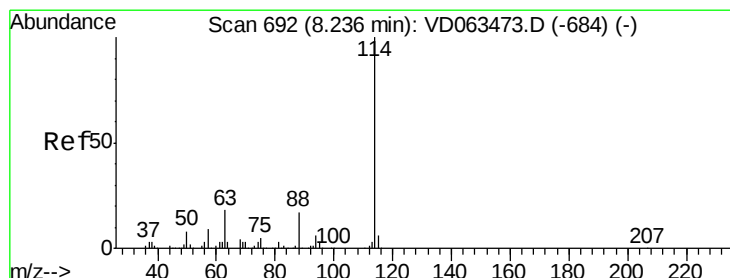
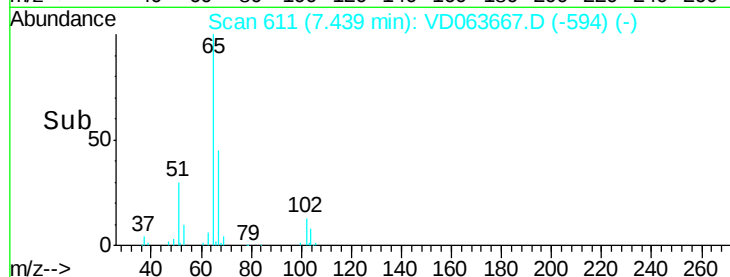
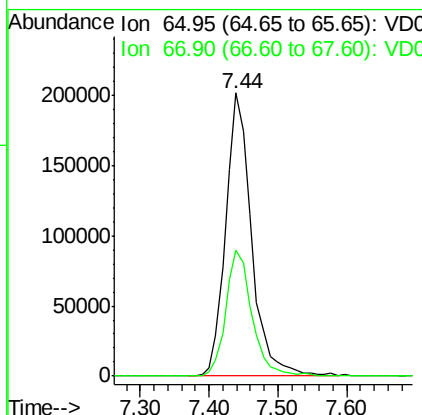
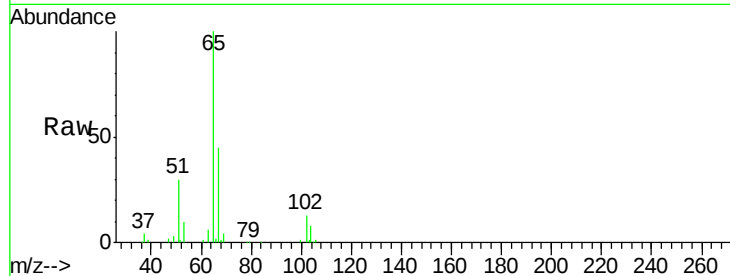




#33
 1,2-Dichloroethane-d4
 Concen: 46.176 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063667.D
 Acq: 19 Aug 2019 19:34

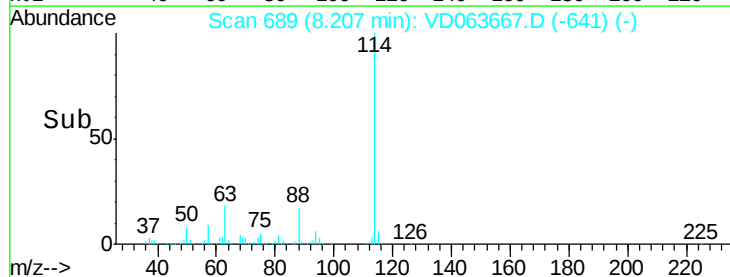
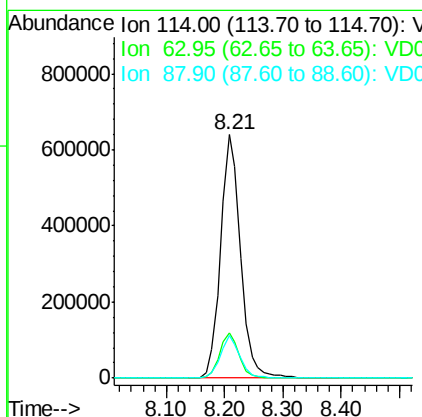
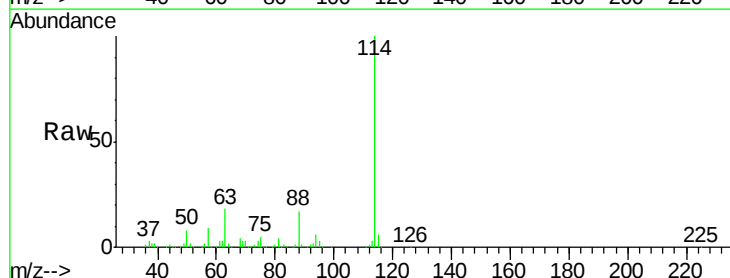
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-A1-(0)RE

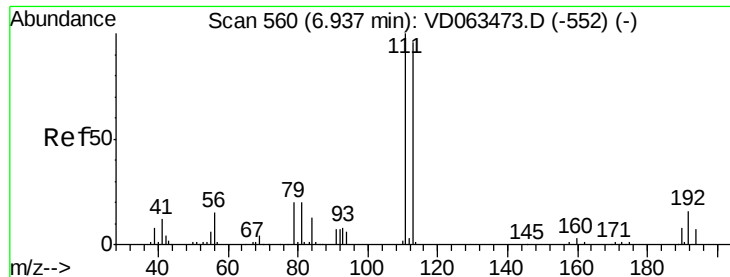
Tot Ion: 65 Resp: 524681
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063667.D
 Acq: 19 Aug 2019 19:34

Tgt Ion: 114 Resp: 1519194
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 17.5 0.0 35.0





#35

Dibromofluoromethane

Concen: 51.018 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T8-A1-(0)RE

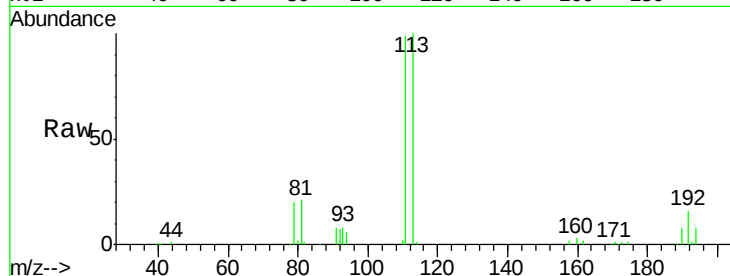
Tot Ion:113 Resp: 652765

Ion Ratio Lower Upper

113 100

111 98.9 83.1 124.7

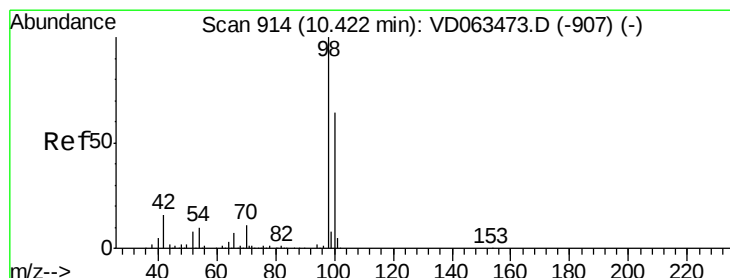
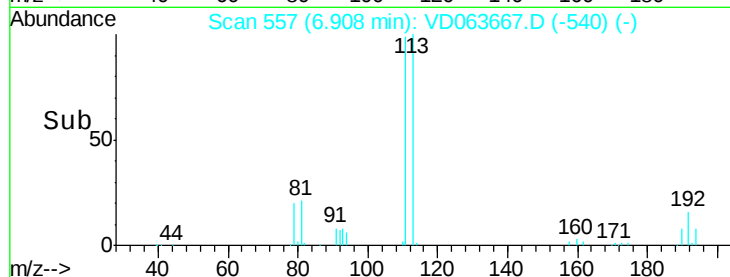
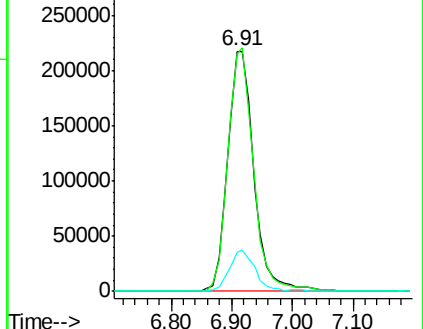
192 16.3 13.1 19.7



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: 44.484 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063667.D

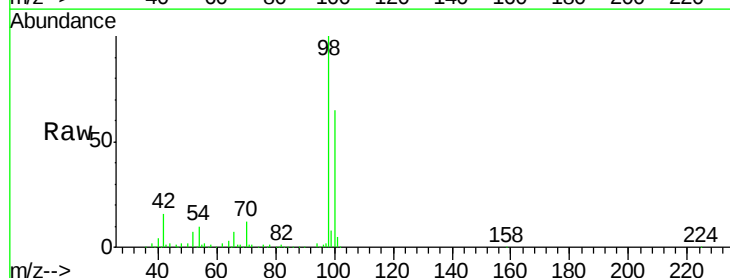
Acq: 19 Aug 2019 19:34

Tgt Ion: 98 Resp: 1251332

Ion Ratio Lower Upper

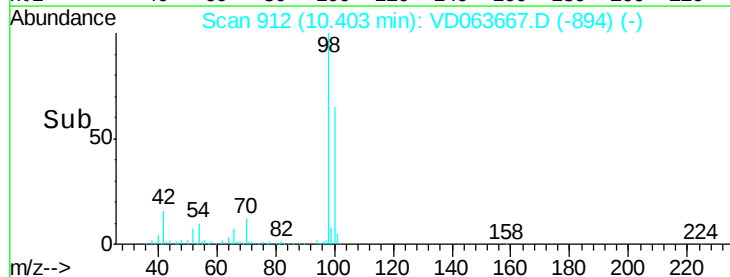
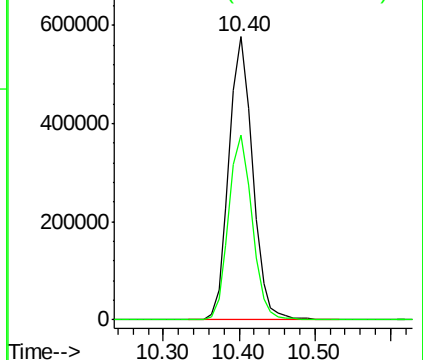
98 100

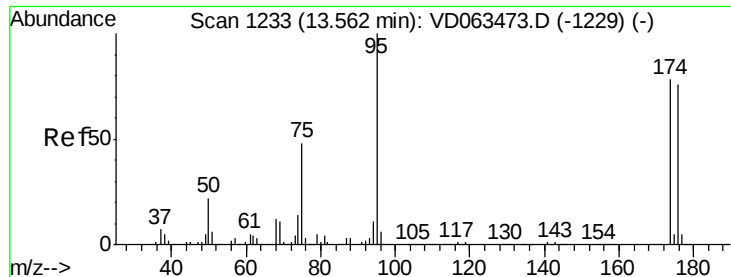
100 65.4 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 32.232 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T8-A1-(0)RE

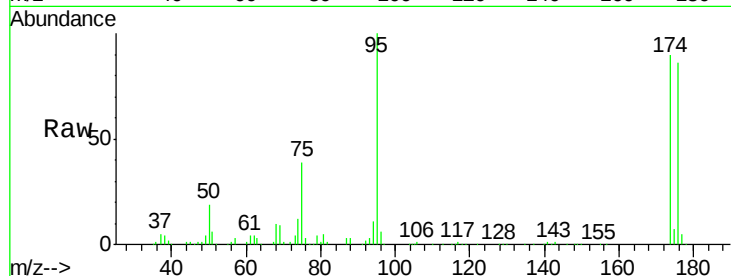
Tot Ion: 95 Resp: 410943

Ion Ratio Lower Upper

95 100

174 90.3 0.0 155.4

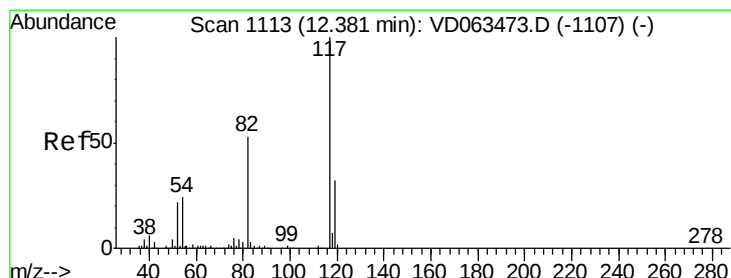
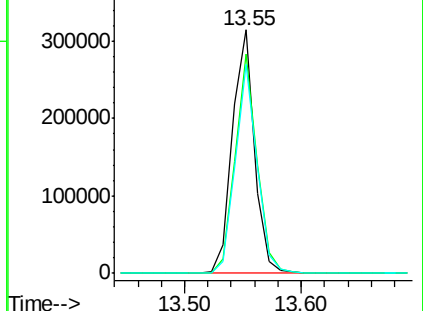
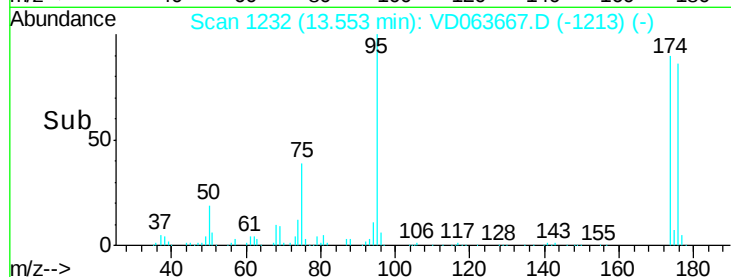
176 85.9 0.0 152.4



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: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

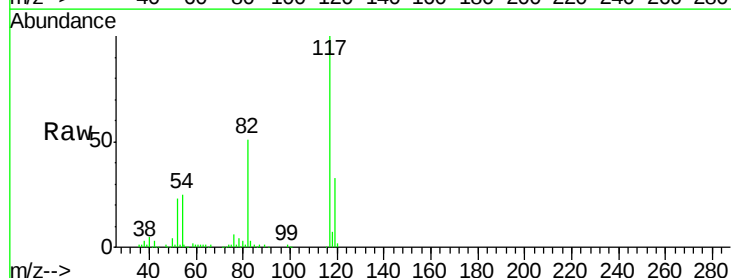
Tgt Ion: 117 Resp: 977614

Ion Ratio Lower Upper

117 100

82 50.9 42.0 63.0

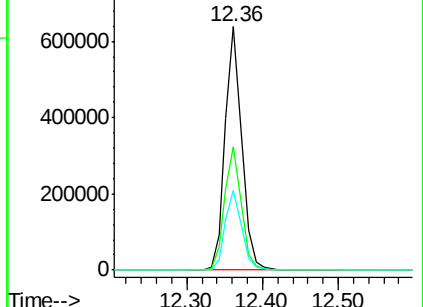
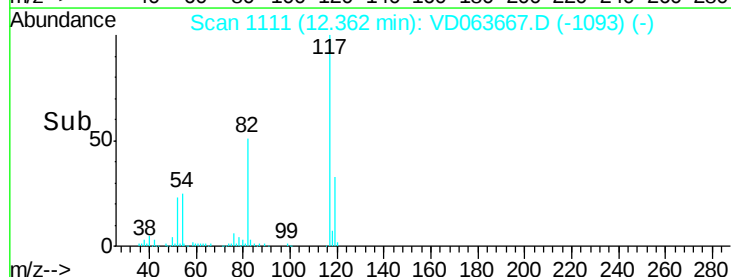
119 32.9 25.4 38.0

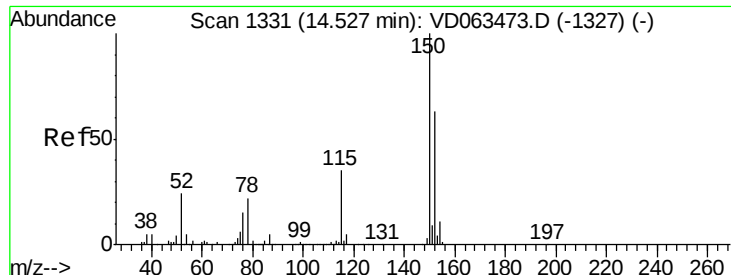


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. -0.01 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T8-A1-(0)RE

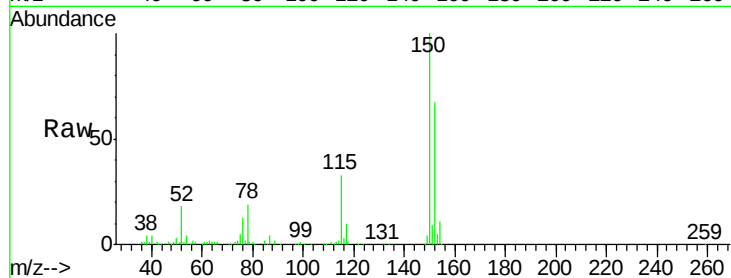
Tot Ion:152 Resp: 316666

Ion Ratio Lower Upper

152 100

115 49.8 30.9 92.7

150 150.2 0.0 318.6



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

