

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061882.D
 Acq On : 18 Apr 2019 19:00
 Operator : VA/AP
 Sample : K2203-11
 Misc : 7.06g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-041519-B

Quant Time: Apr 18 19:27:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	378131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	577027	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	314360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	146636	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	216058	68.18	ug/l	0.00
Spiked Amount			Recovery	=	136.36%	
35) Dibromofluoromethane	6.92	113	310127	71.14	ug/l	0.00
Spiked Amount			Recovery	=	142.28%	
50) Toluene-d8	10.42	98	312406	30.24	ug/l	0.00
Spiked Amount			Recovery	=	60.48%	
62) 4-Bromofluorobenzene	13.56	95	195140	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

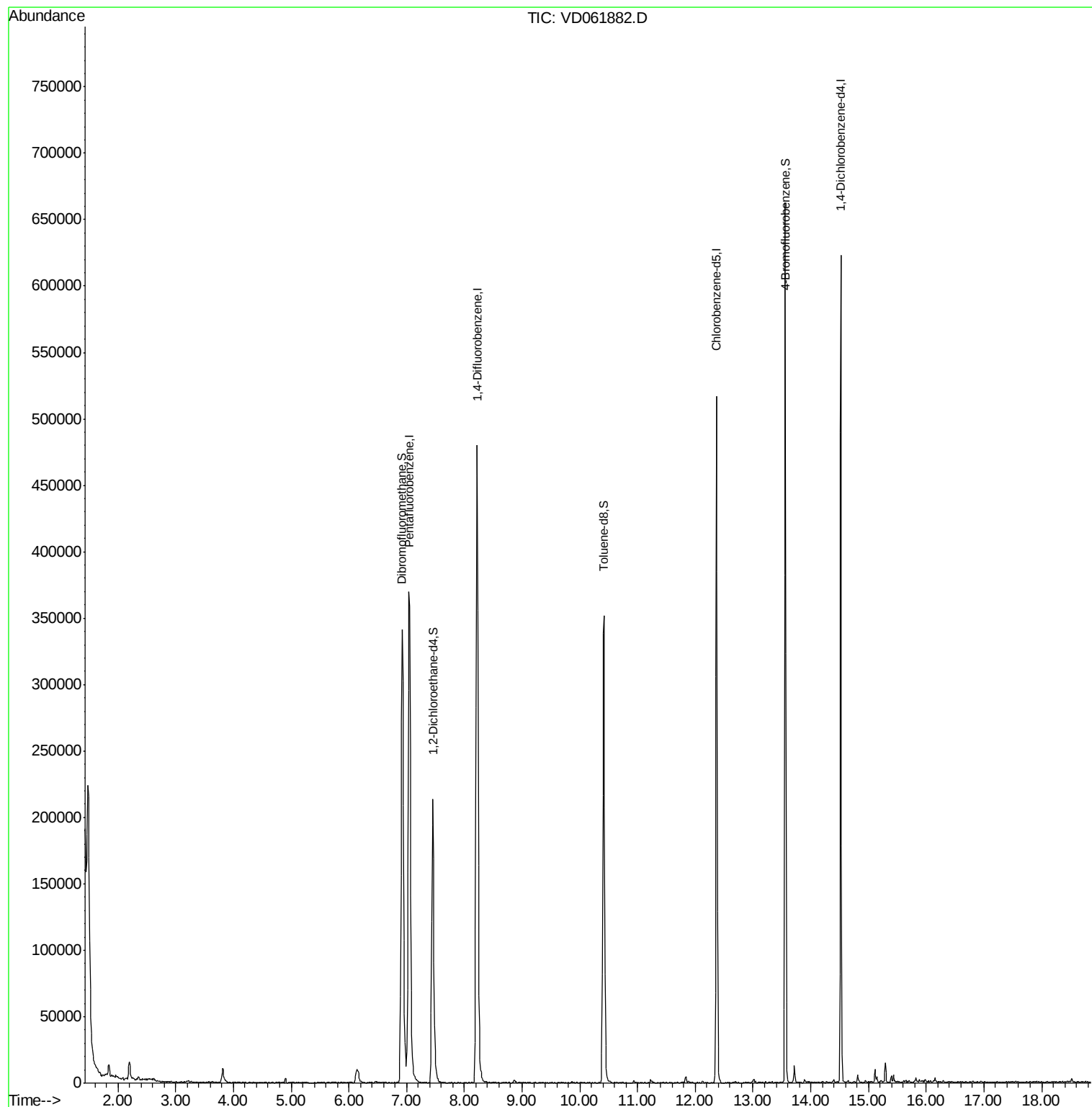
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.81	84	7617	Below Cal		97

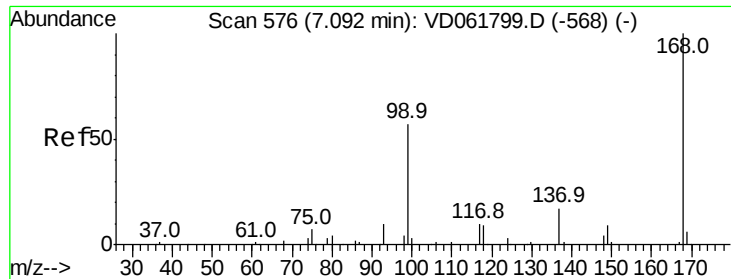
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061882.D

Acq: 18 Apr 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

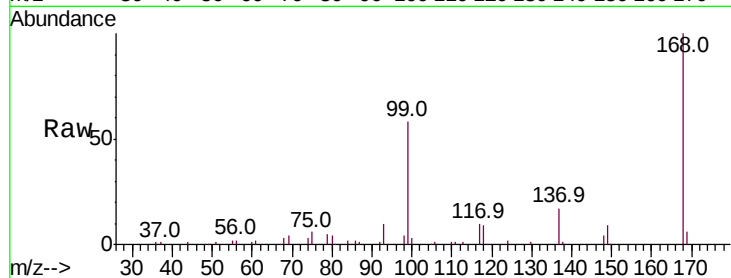
SU-01-041519-B

Tot Ion:168 Resp: 378131

Ion Ratio Lower Upper

168 100

99 57.9 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

150000

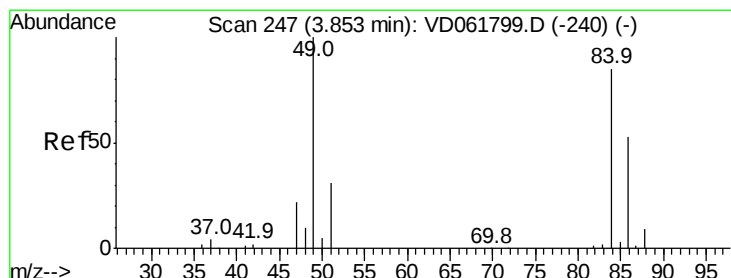
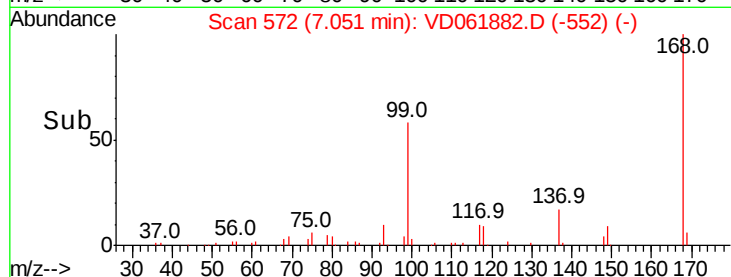
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD061882.D

Acq: 18 Apr 2019 19:00

Tgt Ion: 84 Resp: 7617

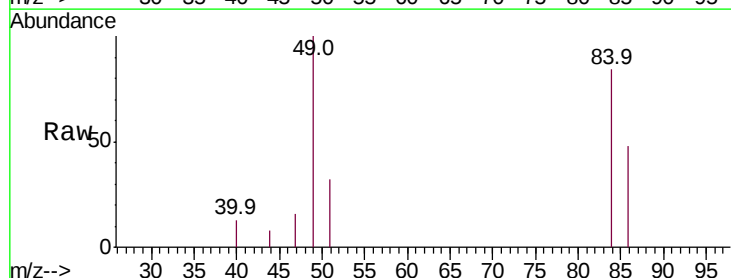
Ion Ratio Lower Upper

84 100

49 118.7 94.0 141.0

51 37.6 29.0 43.4

86 57.4 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

5000

4000

3000

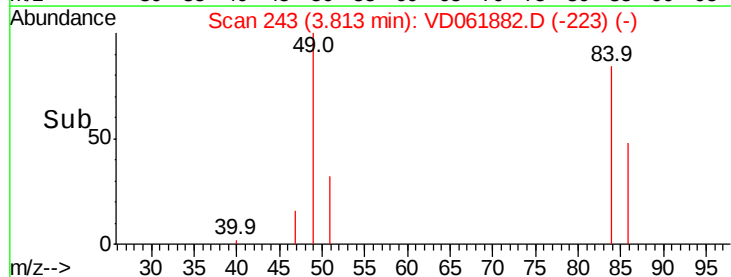
2000

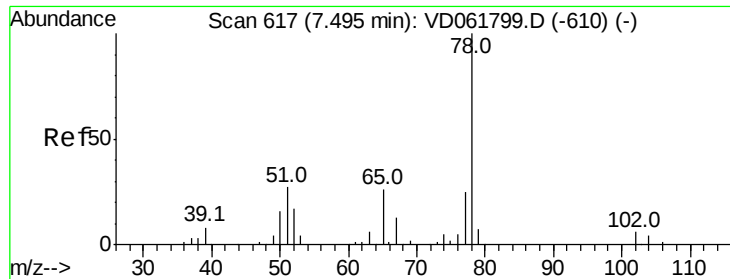
1000

0

Time-->

3.75 3.80 3.85 3.90





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061882.D

Acq: 18 Apr 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

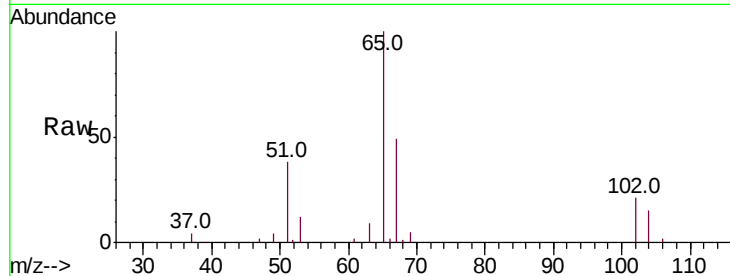
SU-01-041519-B

Tot Ion: 65 Resp: 216058

Ion Ratio Lower Upper

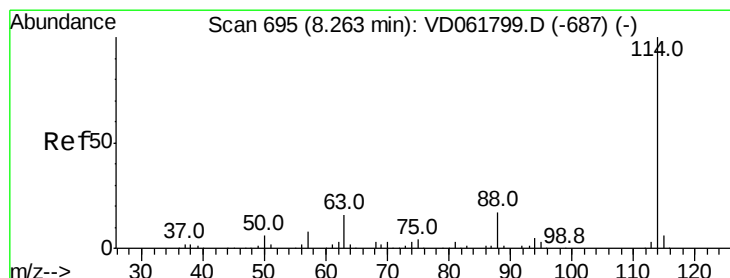
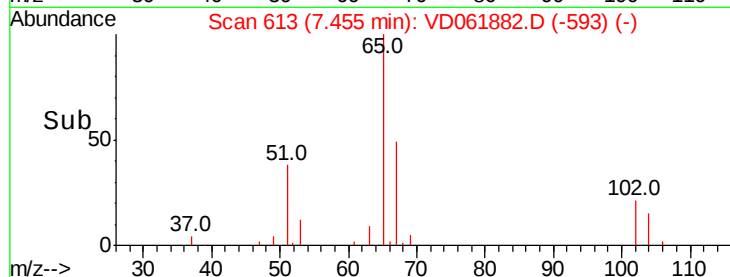
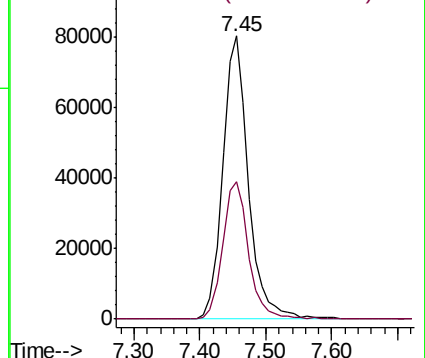
65 100

67 48.5 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: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061882.D

Acq: 18 Apr 2019 19:00

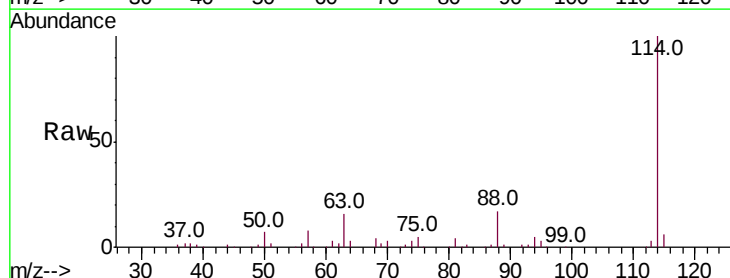
Tgt Ion:114 Resp: 577027

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.4

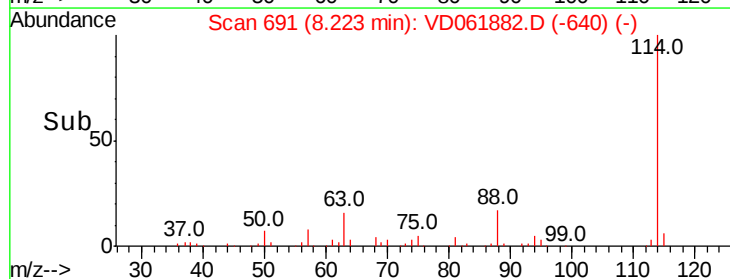
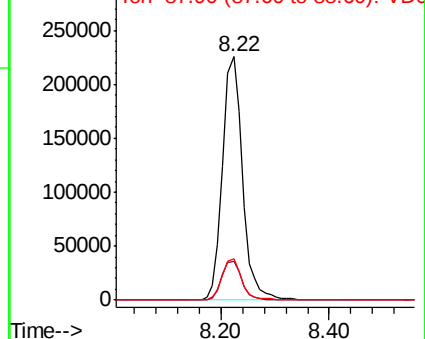
88 17.1 0.0 33.6

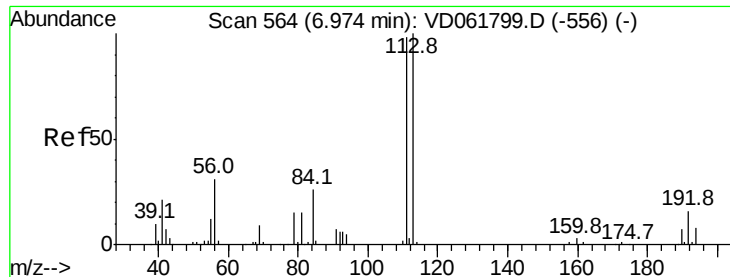


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061882.D

Acq: 18 Apr 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

SU-01-041519-B

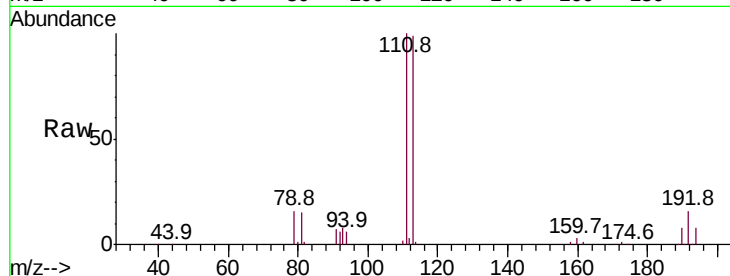
Tot Ion:113 Resp: 310127

Ion Ratio Lower Upper

113 100

111 101.0 78.5 117.7

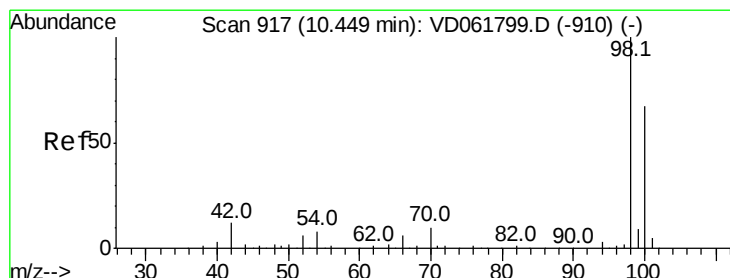
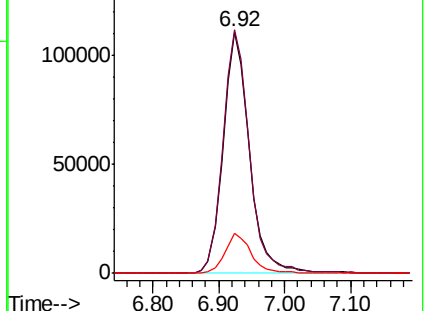
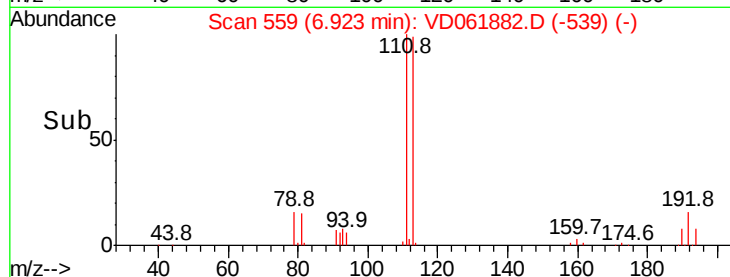
192 16.5 13.0 19.4



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: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061882.D

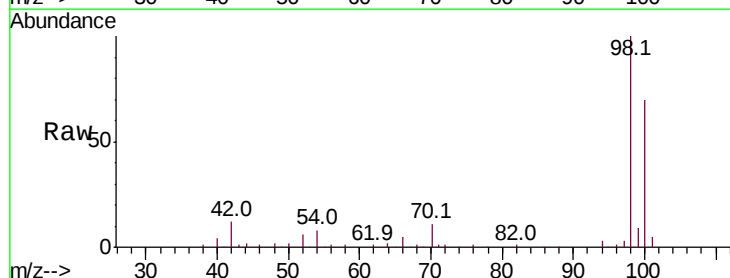
Acq: 18 Apr 2019 19:00

Tgt Ion: 98 Resp: 312406

Ion Ratio Lower Upper

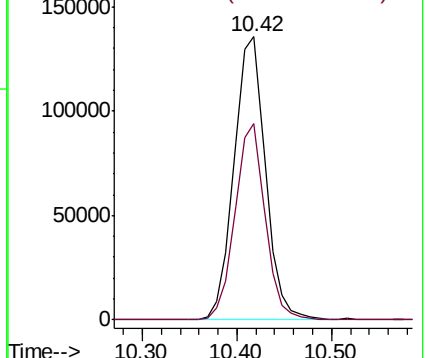
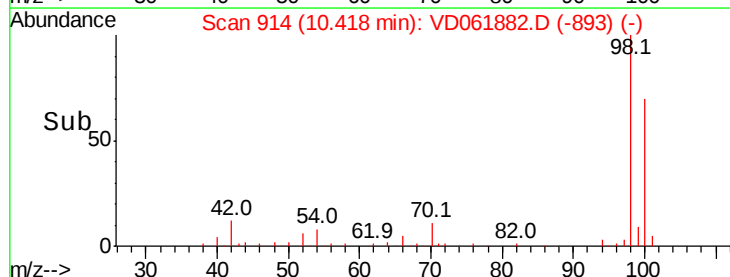
98 100

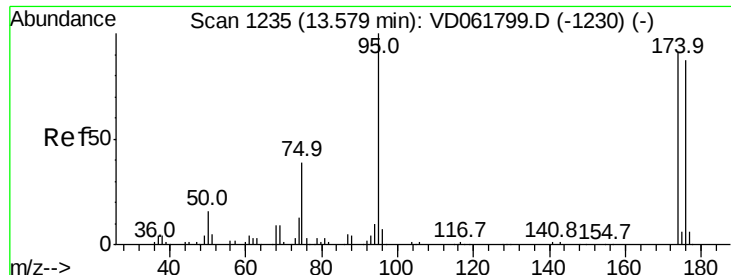
100 69.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD061882.D

Acq: 18 Apr 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

SU-01-041519-B

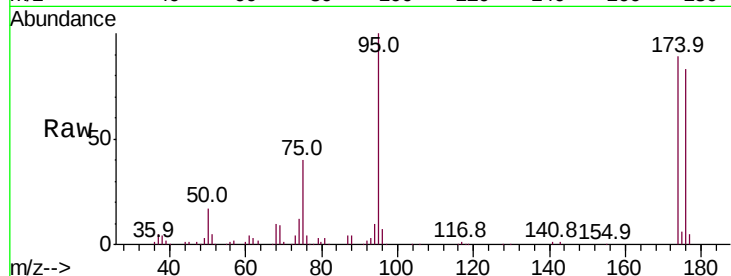
Tot Ion: 95 Resp: 195140

Ion Ratio Lower Upper

95 100

174 89.2 0.0 181.8

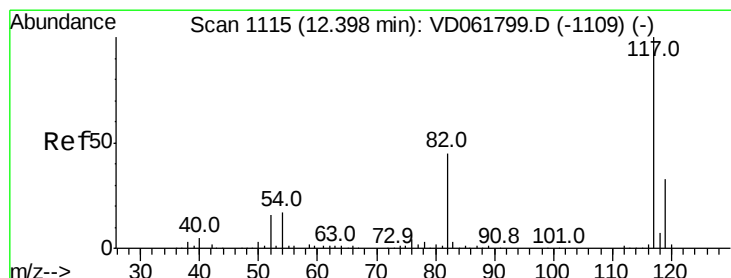
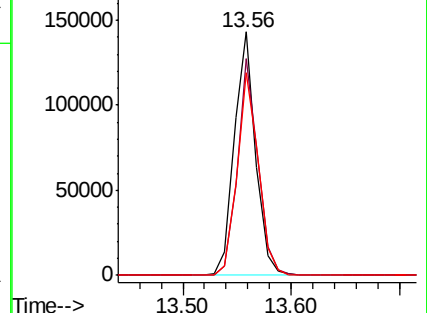
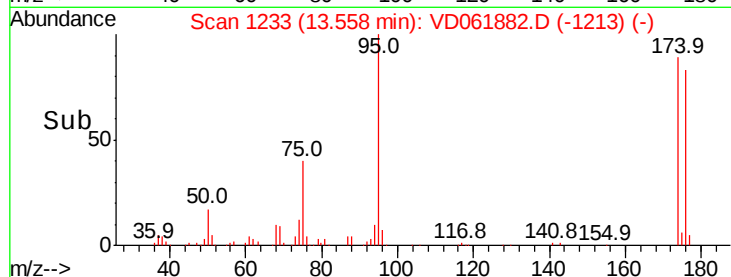
176 83.5 0.0 174.4



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. -0.00 min

Lab File: VD061882.D

Acq: 18 Apr 2019 19:00

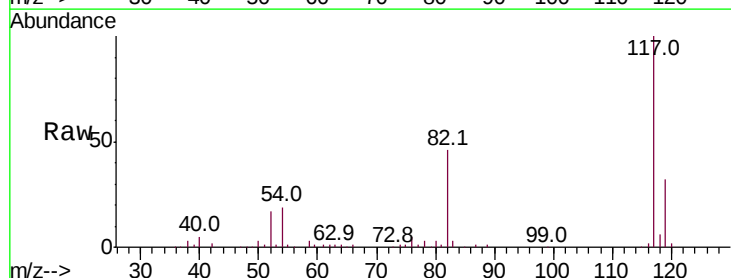
Tgt Ion: 117 Resp: 314360

Ion Ratio Lower Upper

117 100

82 46.4 36.2 54.2

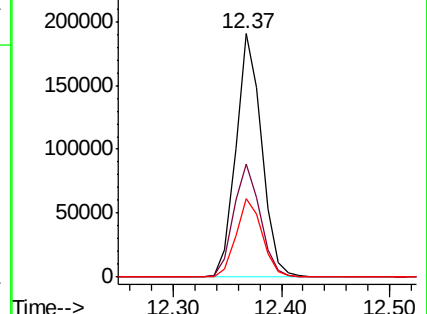
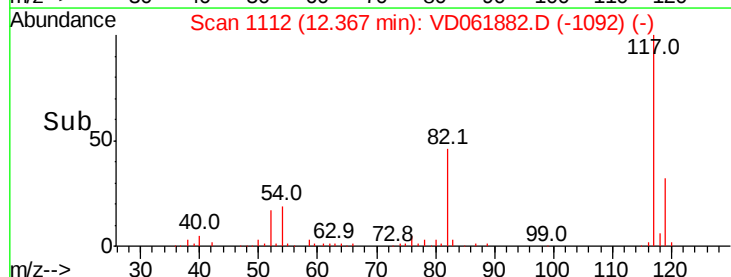
119 32.1 26.2 39.4

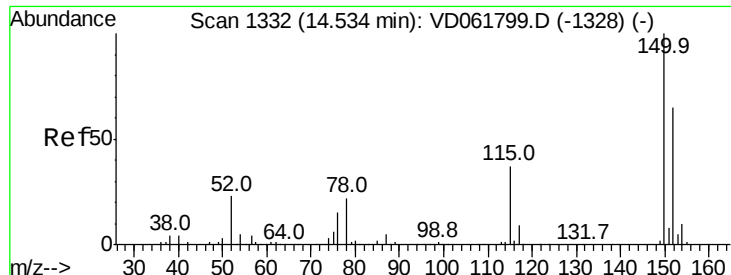


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min
 Lab File: VD061882.D
 Acq: 18 Apr 2019 19:00

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	51.2	30.9	92.7
150	155.5	0.0	314.8

