

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063367.D
 Acq On : 3 Aug 2019 17:50
 Operator : VA/AP
 Sample : K4135-04
 Misc : 6.77g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-0-1

Quant Time: Aug 04 06:45:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

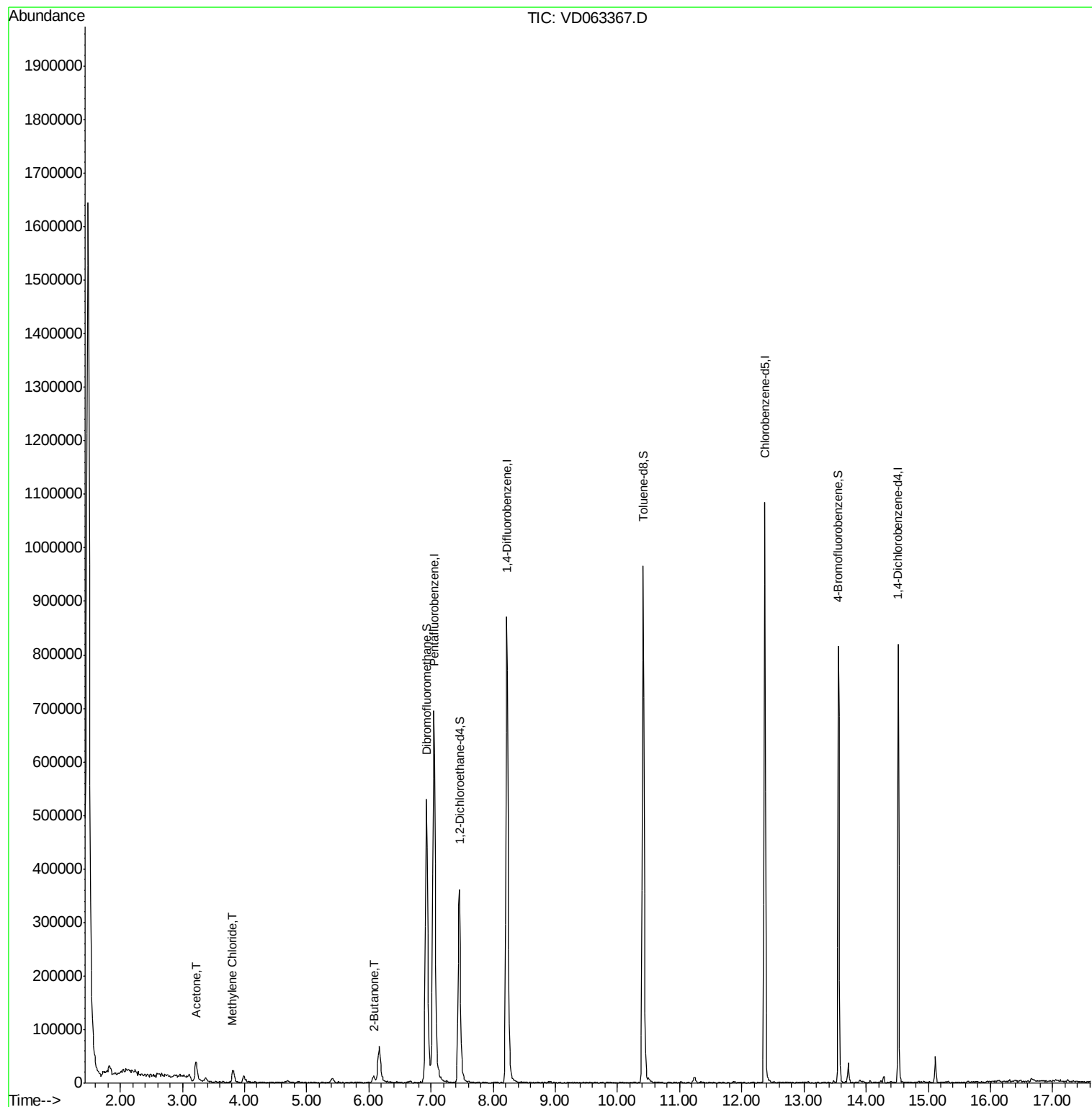
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	670683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	942220	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	592810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	161794	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	412418	55.42	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.84%	
35) Dibromofluoromethane	6.93	113	460652	57.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	114.52%	
50) Toluene-d8	10.41	98	755179	41.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.90%	
62) 4-Bromofluorobenzene	13.55	95	233258	28.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.86%	
Target Compounds						
16) Acetone	3.23	43	67898	46.827	ug/l	98
20) Methylene Chloride	3.82	84	12816	2.187	ug/l	93
25) 2-Butanone	6.08	43	22851	15.703	ug/l	94

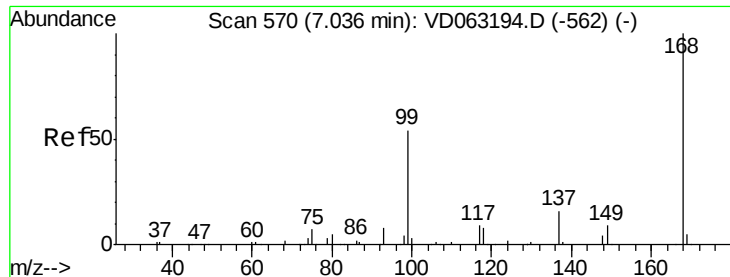
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1S-A3-(0-1)

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

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Instrument :

MSVOA_D

ClientSampleId :

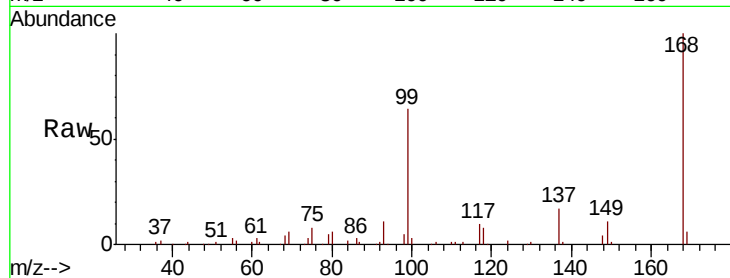
1S-A3-(0-1)

Tot Ion:168 Resp: 670683

Ion Ratio Lower Upper

168 100

99 63.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

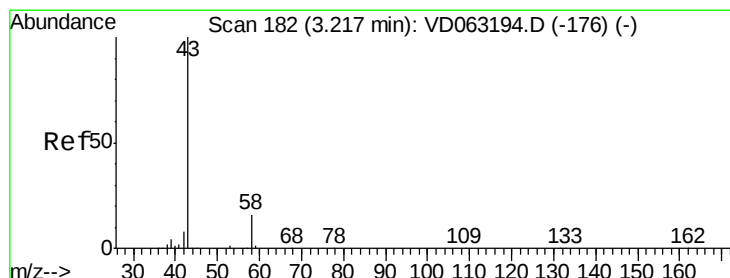
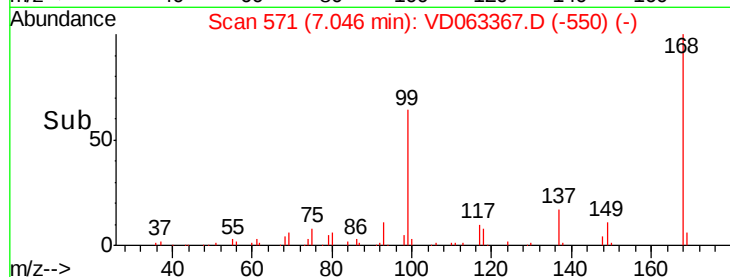
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 46.827 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063367.D

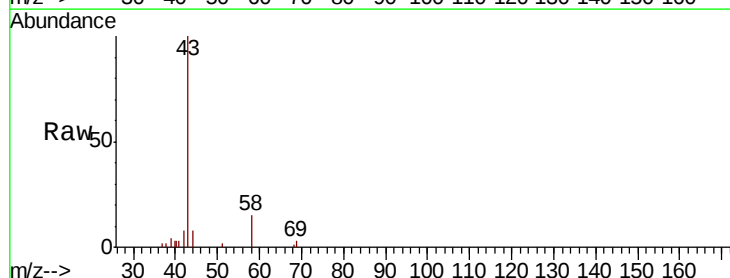
Acq: 3 Aug 2019 17:50

Tgt Ion: 43 Resp: 67898

Ion Ratio Lower Upper

43 100

58 15.3 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

25000

20000

15000

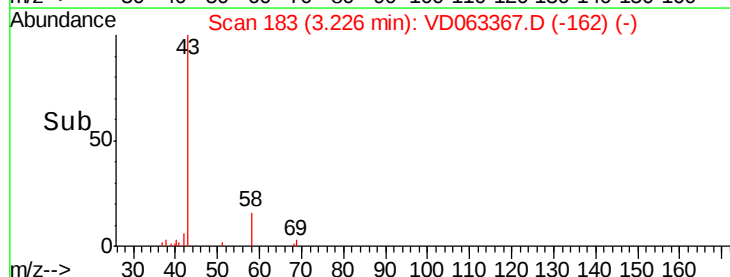
10000

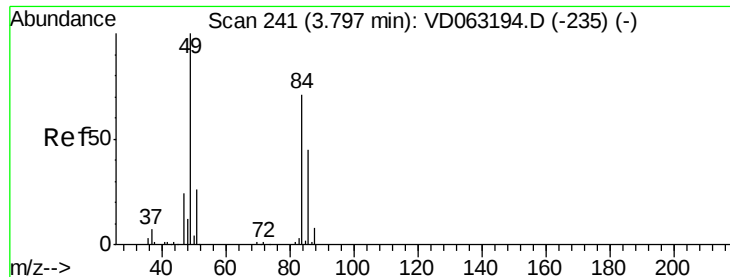
5000

0

Time-->

3.15 3.20 3.25 3.30

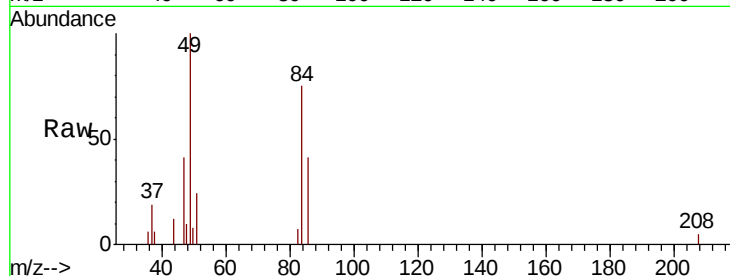




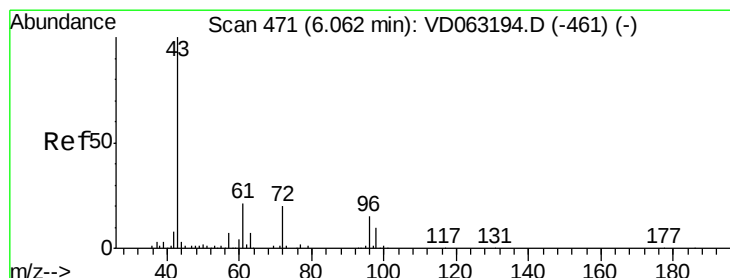
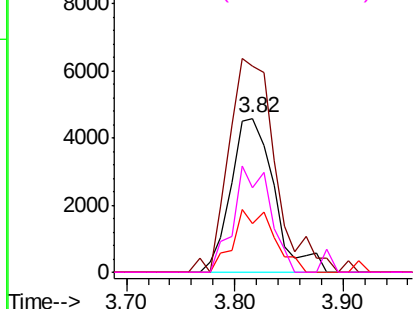
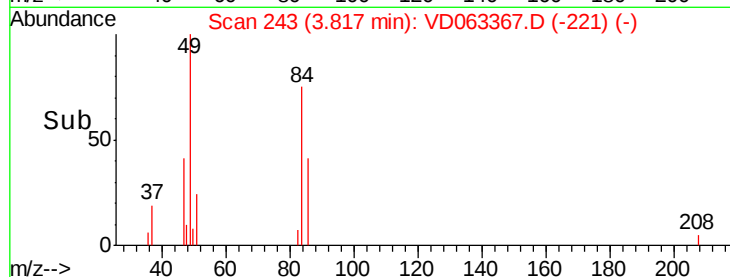
#20
Methylene Chloride
Concen: 2.187 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063367.D
Acq: 3 Aug 2019 17:50

Instrument :
MSVOA_D
ClientSampleId :
1S-A3-(0-1)

Tot Ion: 84 Resp: 12816
Ion Ratio Lower Upper
84 100
49 133.5 112.5 168.7
51 31.8 29.6 44.4
86 55.0 50.4 75.6

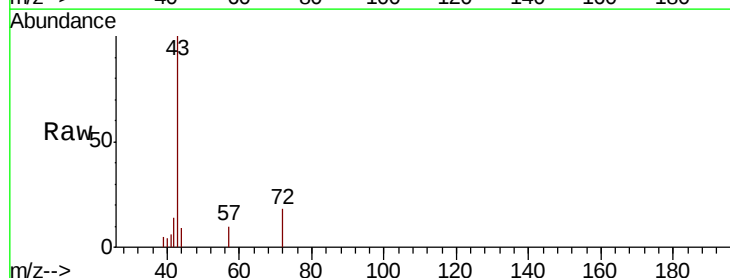


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

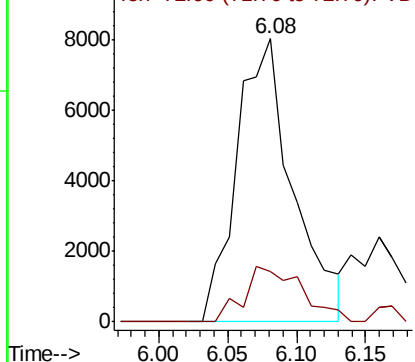
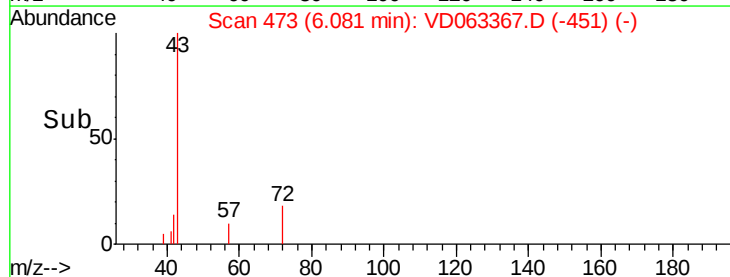


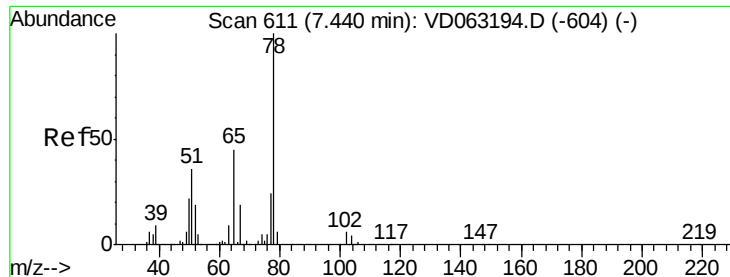
#25
2-Butanone
Concen: 15.703 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.02 min
Lab File: VD063367.D
Acq: 3 Aug 2019 17:50

Tgt Ion: 43 Resp: 22851
Ion Ratio Lower Upper
43 100
72 17.7 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 55.419 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

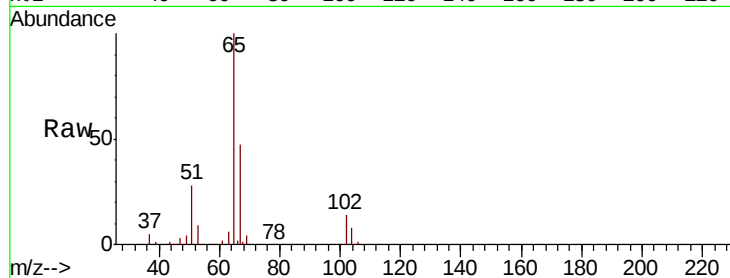
1S-A3-(0-1)

Tot Ion: 65 Resp: 412418

Ion Ratio Lower Upper

65 100

67 46.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

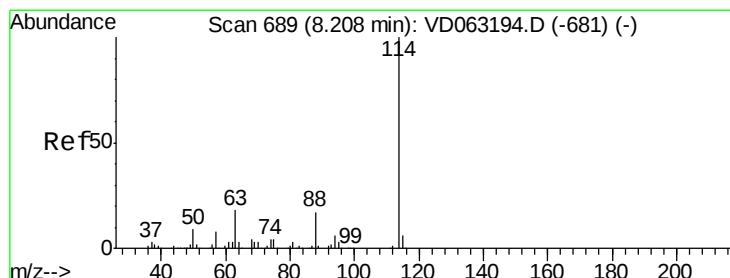
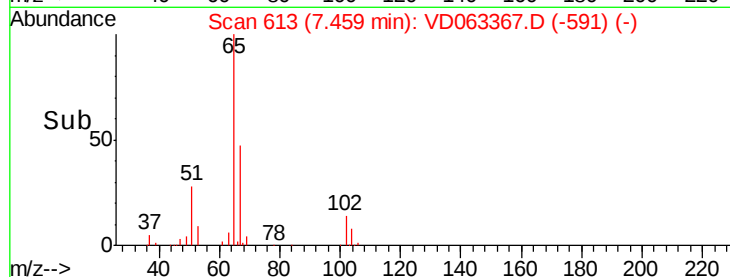
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

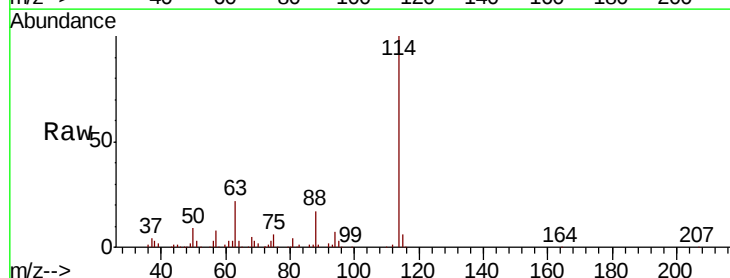
Tgt Ion: 114 Resp: 942220

Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.2

88 17.4 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

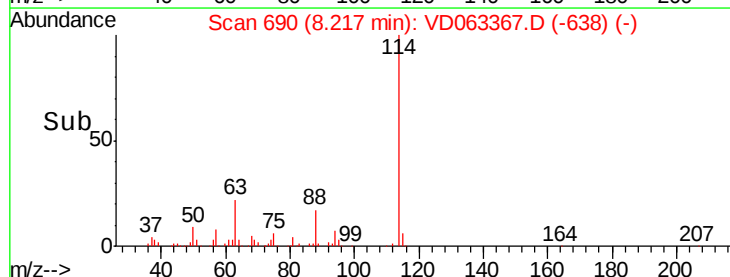
300000

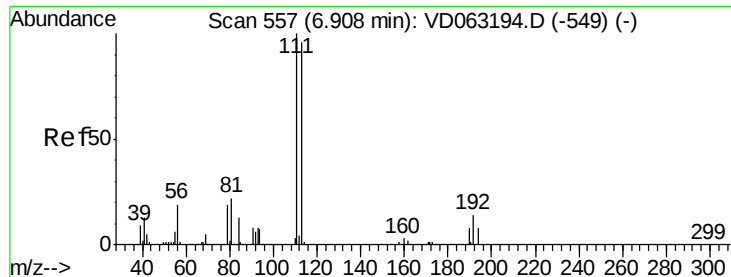
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 57.263 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(0-1)

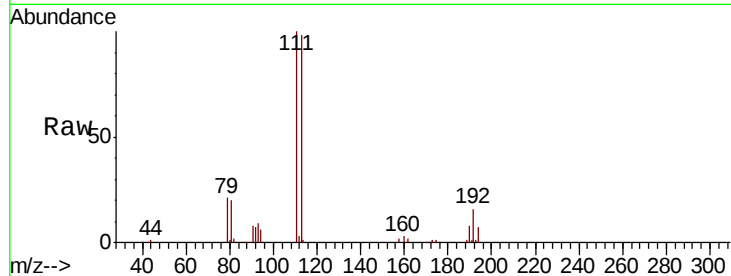
Tot Ion:113 Resp: 460652

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

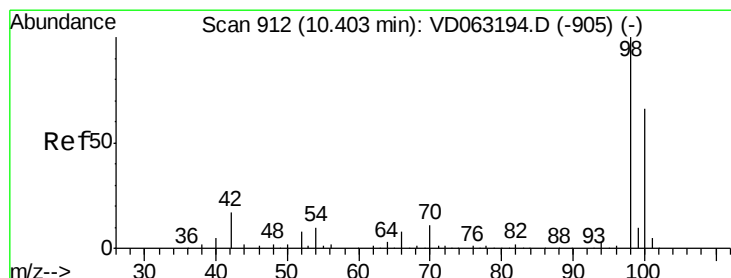
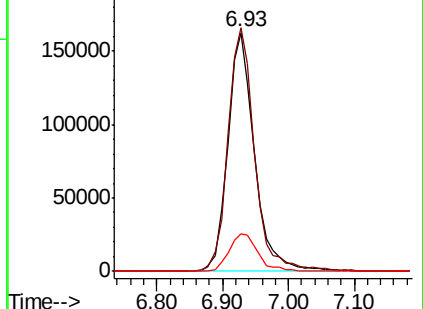
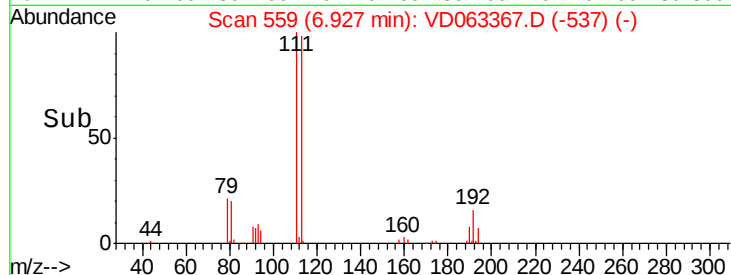
192 15.9 11.8 17.8



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: 41.946 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063367.D

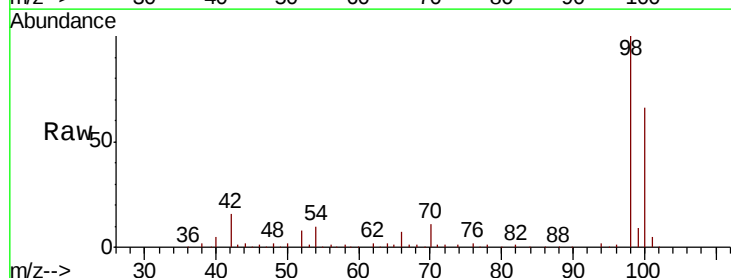
Acq: 3 Aug 2019 17:50

Tgt Ion: 98 Resp: 755179

Ion Ratio Lower Upper

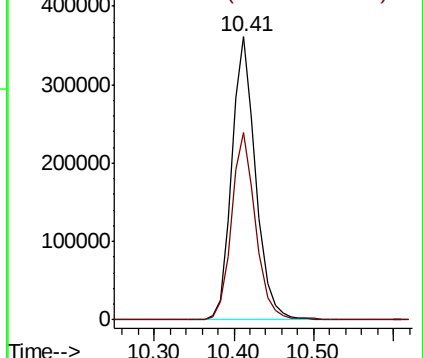
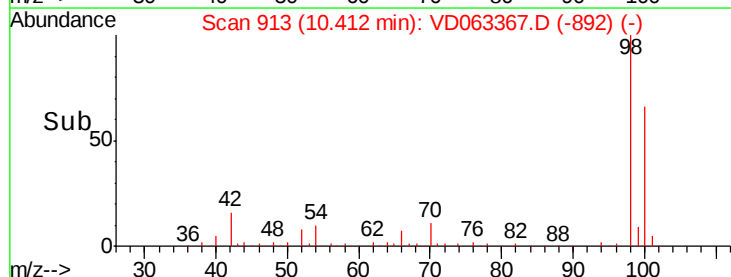
98 100

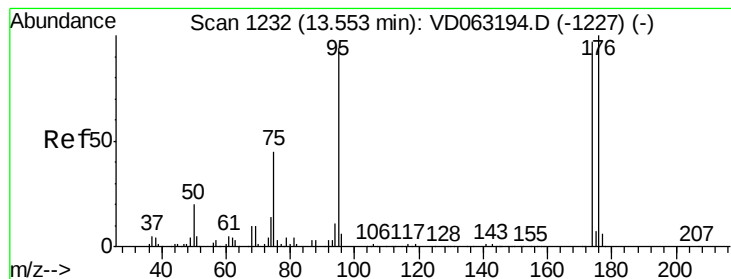
100 66.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 28.432 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(0-1)

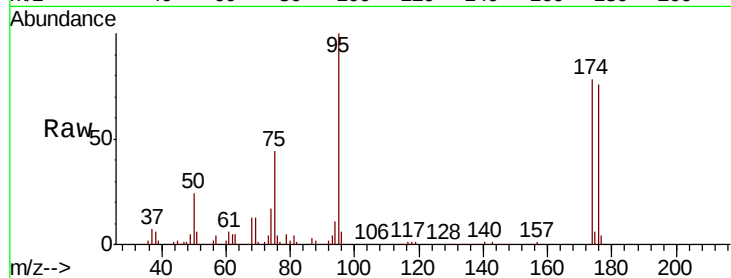
Tot Ion: 95 Resp: 233258

Ion Ratio Lower Upper

95 100

174 77.9 0.0 205.4

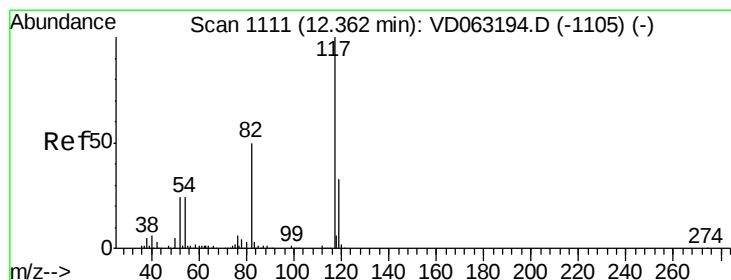
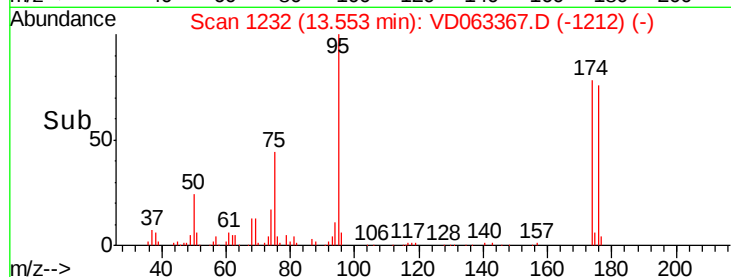
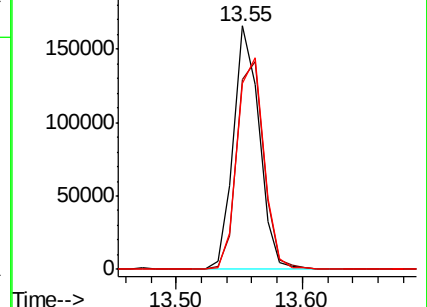
176 76.2 0.0 211.8



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: VD063367.D

Acq: 3 Aug 2019 17:50

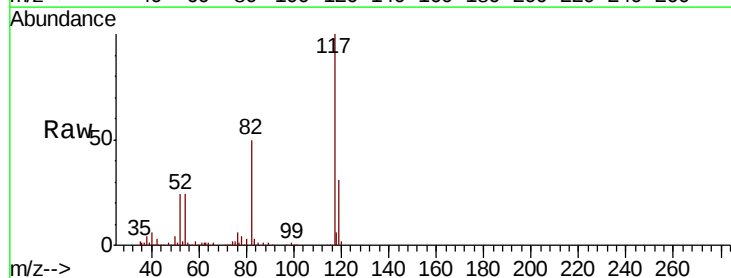
Tgt Ion: 117 Resp: 592810

Ion Ratio Lower Upper

117 100

82 50.5 40.1 60.1

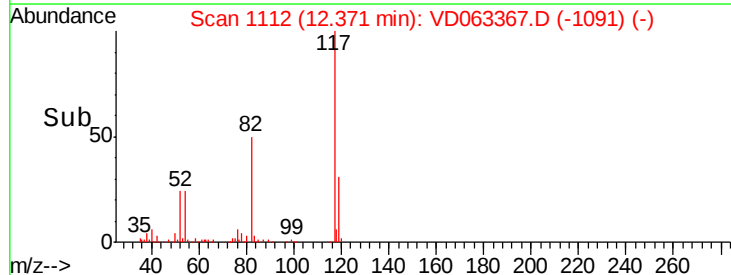
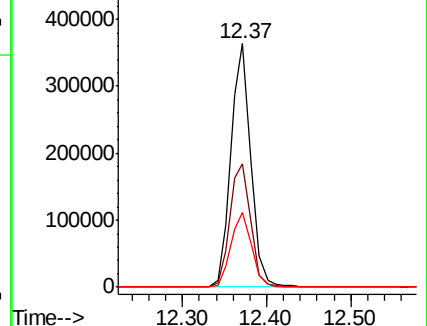
119 30.7 26.5 39.7

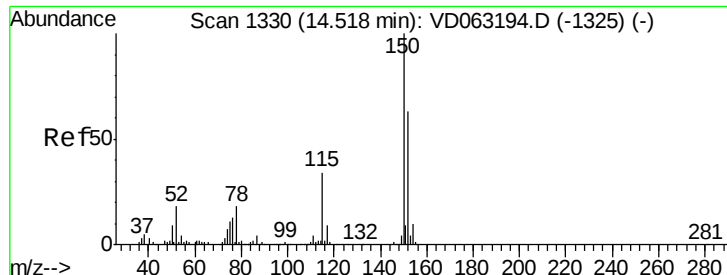


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(0-1)

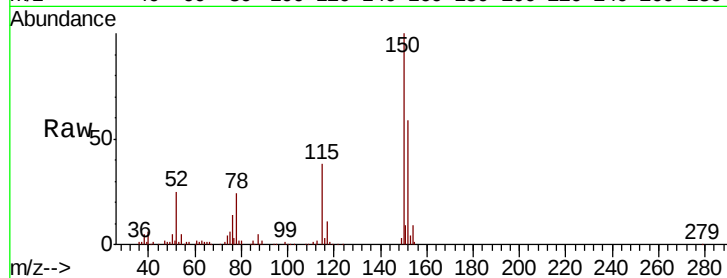
Tot Ion:152 Resp: 161794

Ion Ratio Lower Upper

152 100

115 63.5 27.5 82.4

150 168.4 0.0 320.6



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

