

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059895.D
 Acq On : 23 Aug 2018 18:29
 Operator : JC/SY
 Sample : J4559-08RE
 Misc : 5.01µl/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-145-052RE

Quant Time: Aug 24 06:50:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

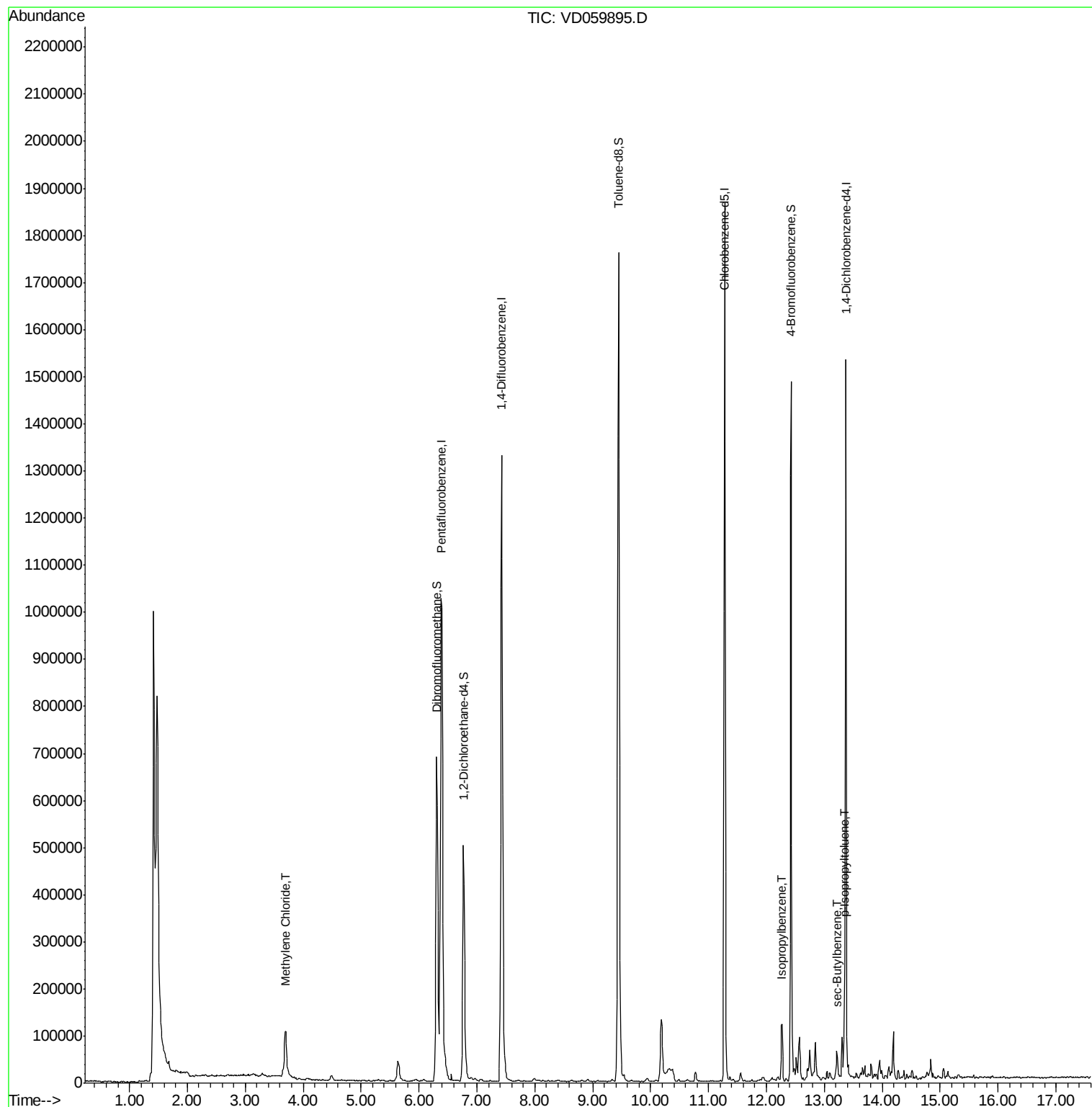
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	988255	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1337830	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	959774	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	349292	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	401724	48.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.46%	
35) Dibromofluoromethane	6.31	113	530339	50.56	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.12%	
50) Toluene-d8	9.45	98	1369450	47.05	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.10%	
62) 4-Bromofluorobenzene	12.43	95	444178	37.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.14%	
Target Compounds						
20) Methylene Chloride	3.70	84	58094	2.18	ug/l	96
73) Isopropylbenzene	12.27	105	22912	1.03	ug/l	94
85) sec-Butylbenzene	13.21	105	26377	1.11	ug/l	99
86) p-Isopropyltoluene	13.34	119	45477	2.35	ug/l	98

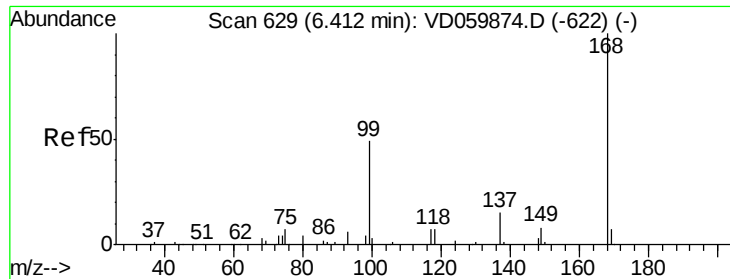
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

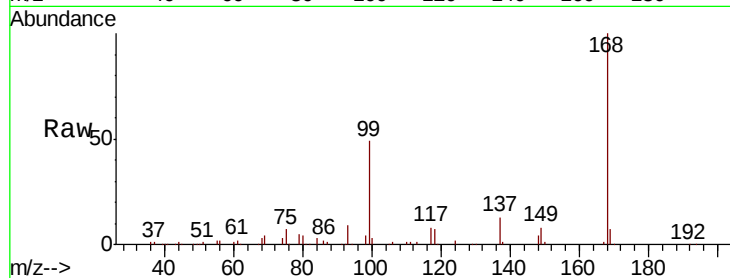
RA-081718-SSW-145-052RE

Tot Ion:168 Resp: 988255

Ion Ratio Lower Upper

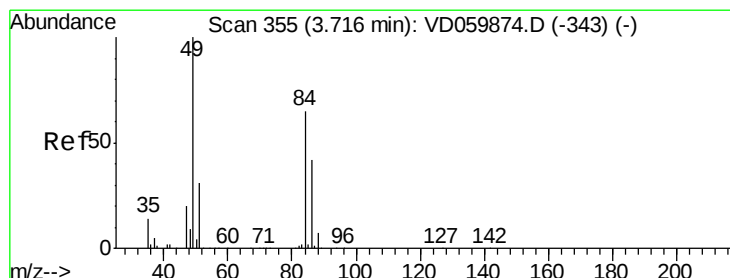
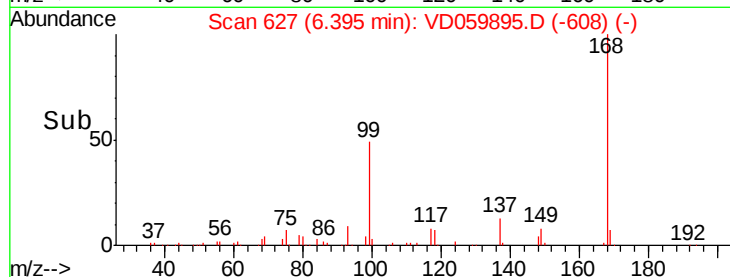
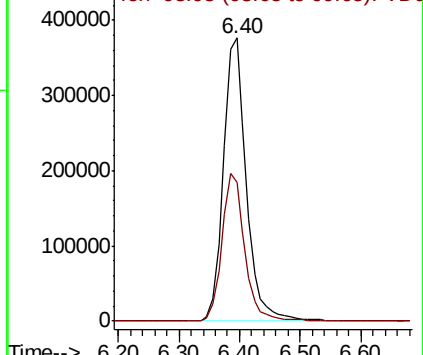
168 100

99 49.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 2.18 ug/l

RT: 3.70 min Scan# 353

Delta R.T. -0.02 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

Tgt Ion: 84 Resp: 58094

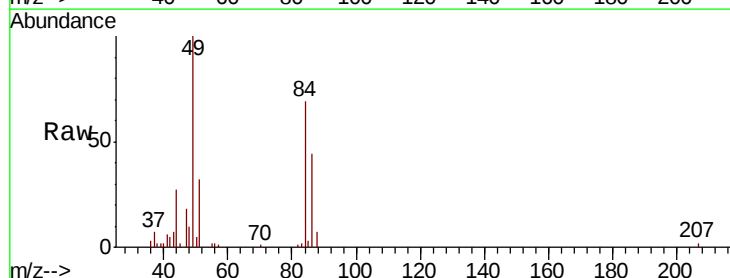
Ion Ratio Lower Upper

84 100

49 145.3 122.6 183.8

51 46.4 38.4 57.6

86 64.4 51.5 77.3

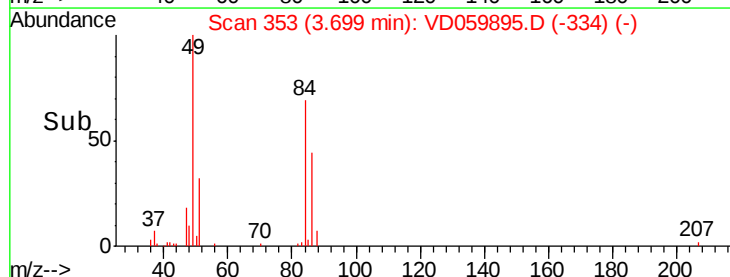
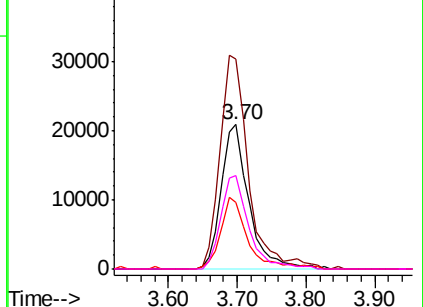


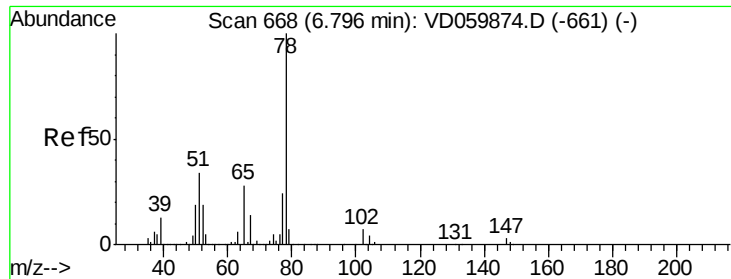
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.03 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

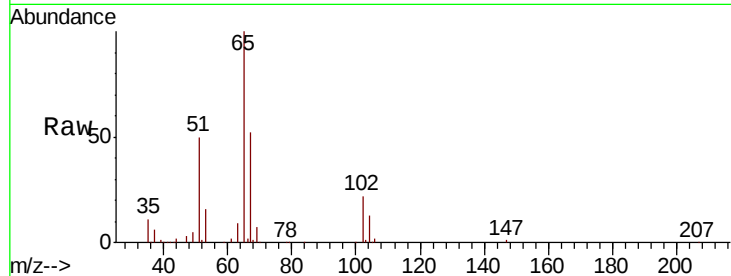
RA-081718-SSW-145-052RE

Tot Ion: 65 Resp: 401724

Ion Ratio Lower Upper

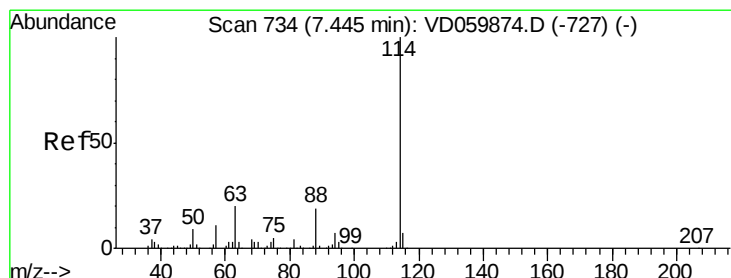
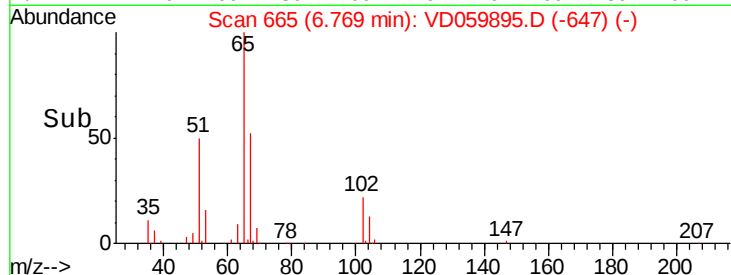
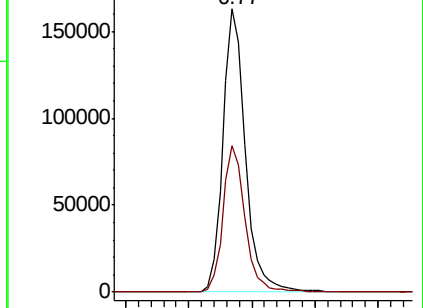
65 100

67 51.8 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

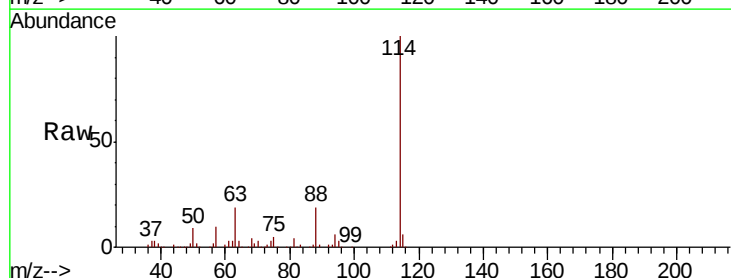
Tgt Ion: 114 Resp: 1337830

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

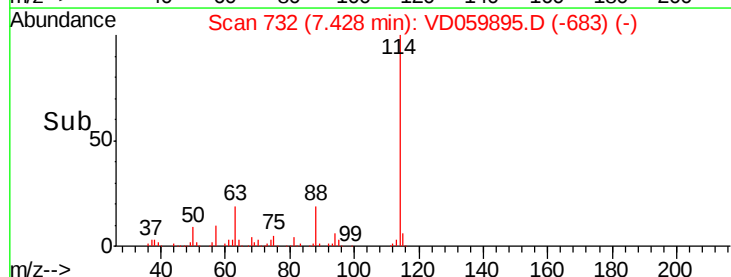
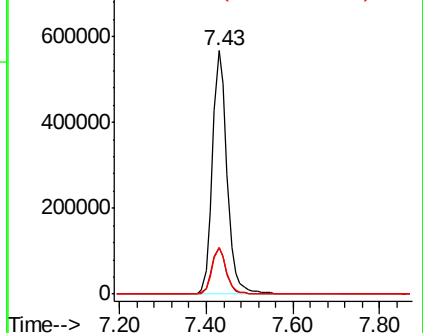
88 19.3 0.0 37.6

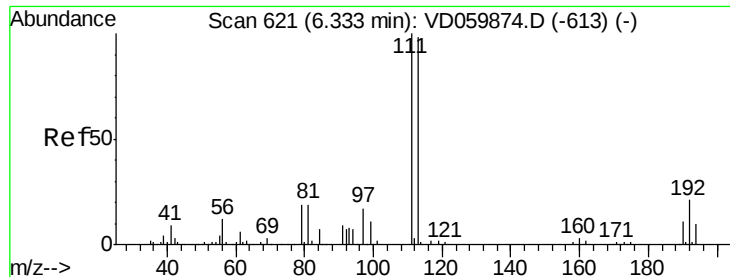


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.31 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-145-052RE

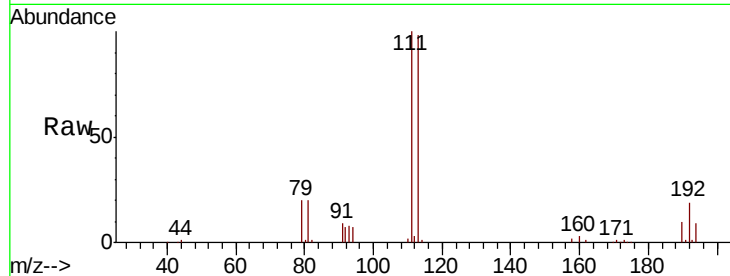
Tot Ion:113 Resp: 530339

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.2

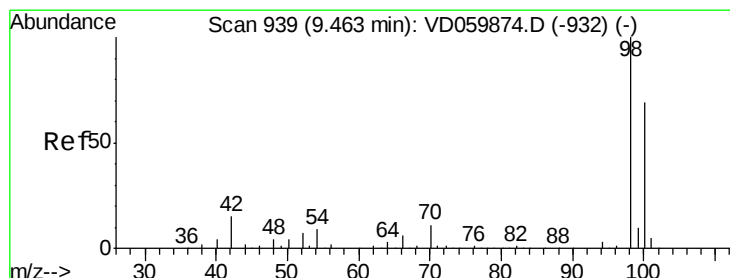
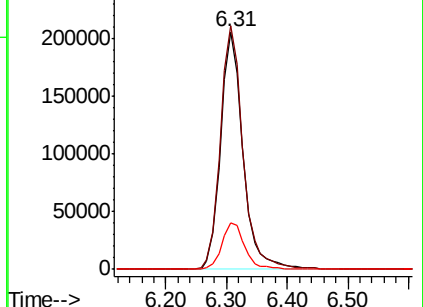
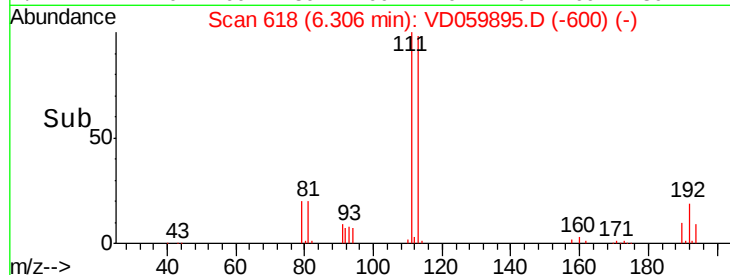
192 19.6 17.0 25.6



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: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059895.D

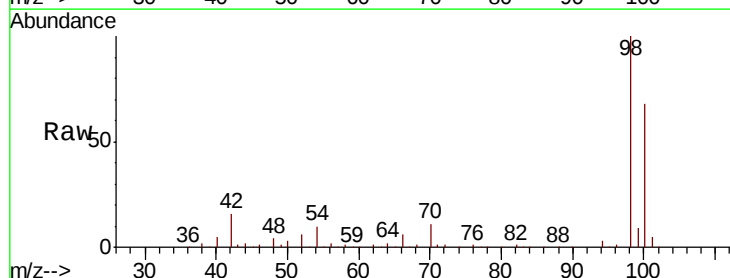
Acq: 23 Aug 2018 18:29

Tgt Ion: 98 Resp: 1369450

Ion Ratio Lower Upper

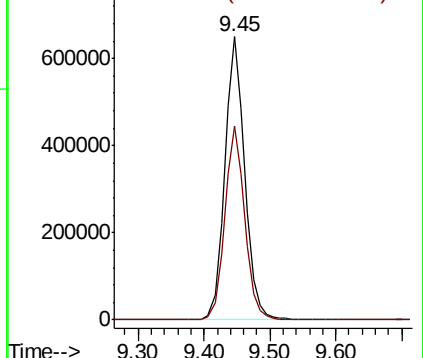
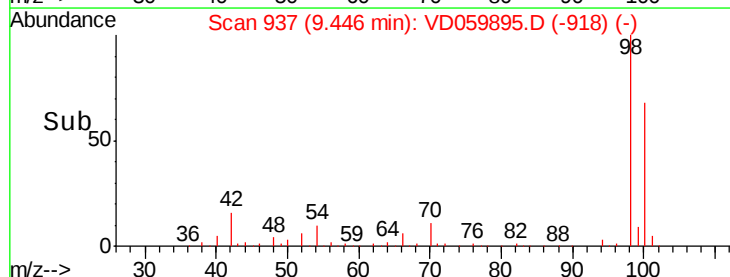
98 100

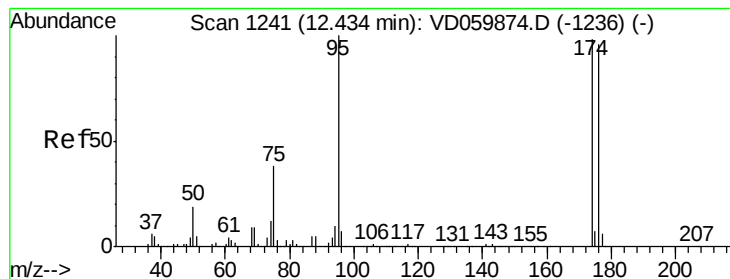
100 68.5 55.8 83.6



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: 12.43 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-145-052RE

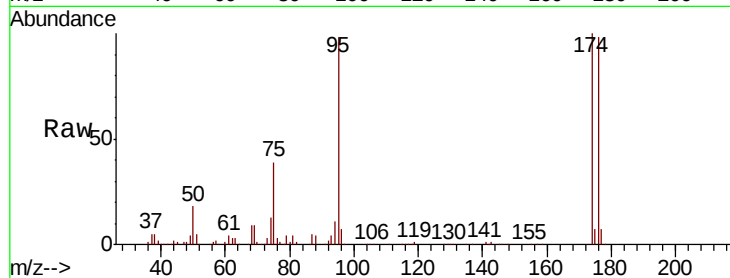
Tot Ion: 95 Resp: 444178

Ion Ratio Lower Upper

95 100

174 102.4 0.0 195.6

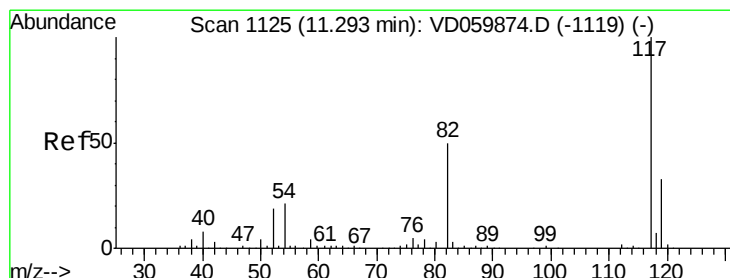
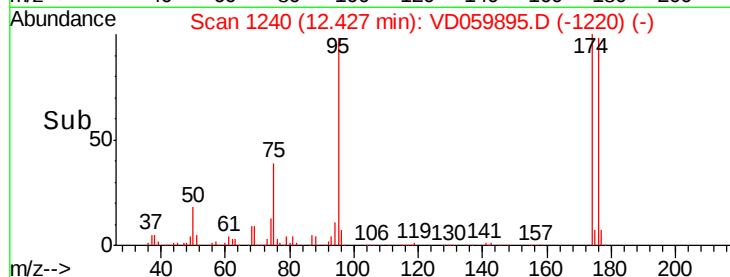
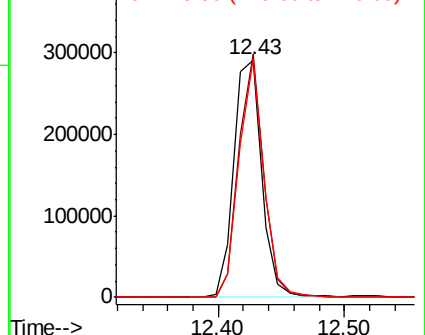
176 100.5 0.0 191.2



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: 50.00 ug/l

RT: 11.28 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

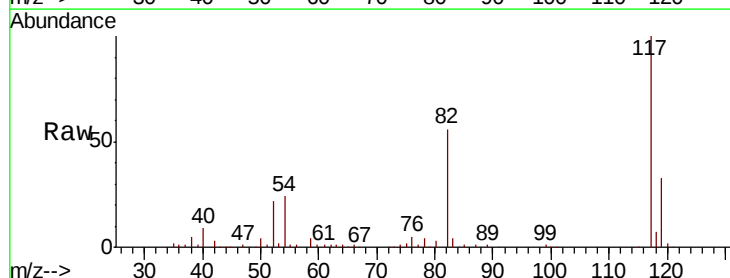
Tgt Ion: 117 Resp: 959774

Ion Ratio Lower Upper

117 100

82 56.1 40.1 60.1

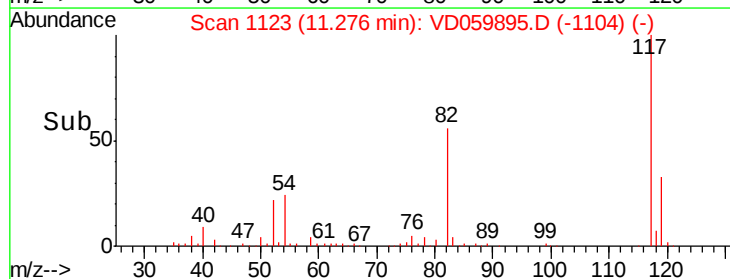
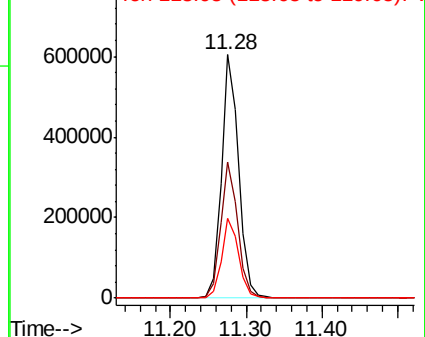
119 32.6 26.7 40.1

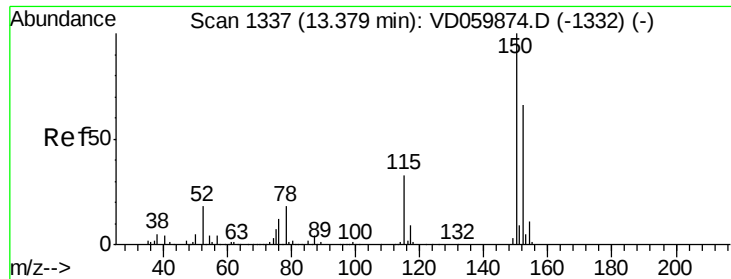


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



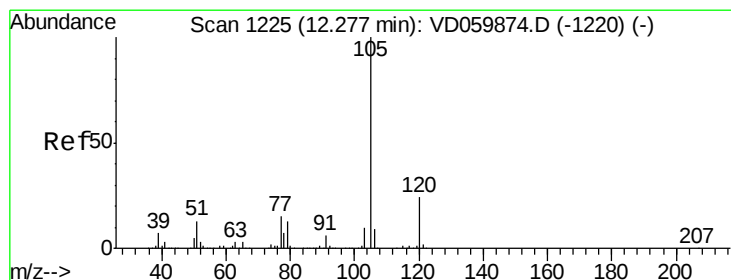
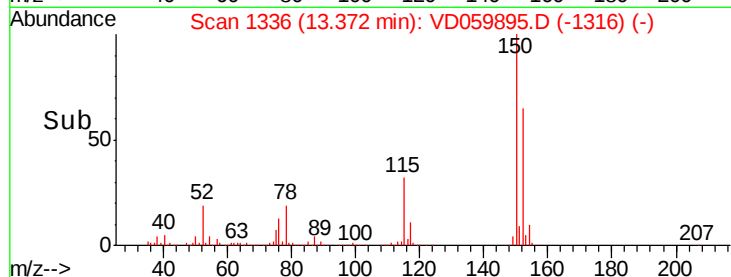
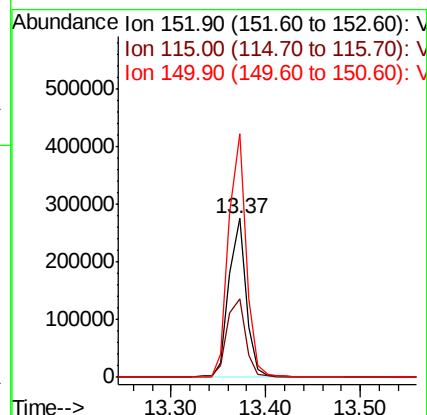
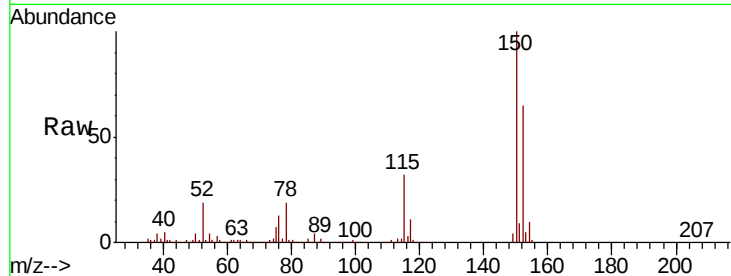


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059895.D
Acq: 23 Aug 2018 18:29

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-145-052RE

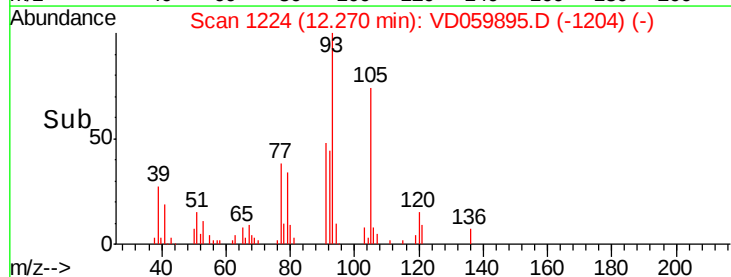
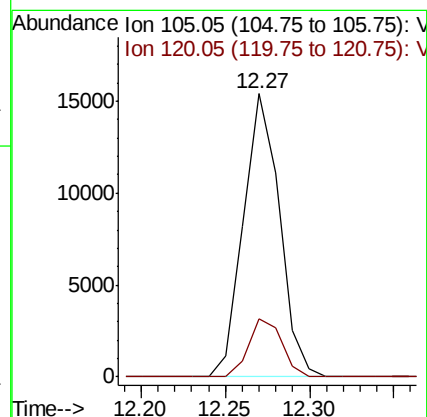
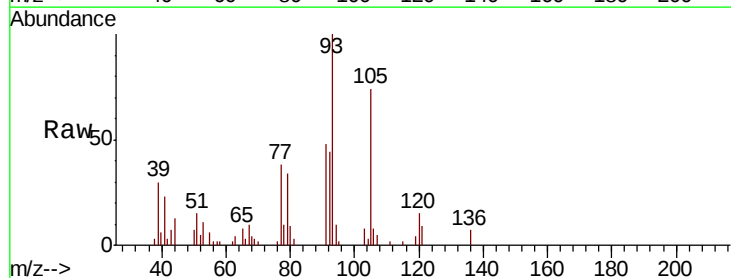
Tot Ion:152 Resp: 349292
Ion Ratio Lower Upper
152 100
115 49.4 25.7 77.0
150 153.2 0.0 310.2

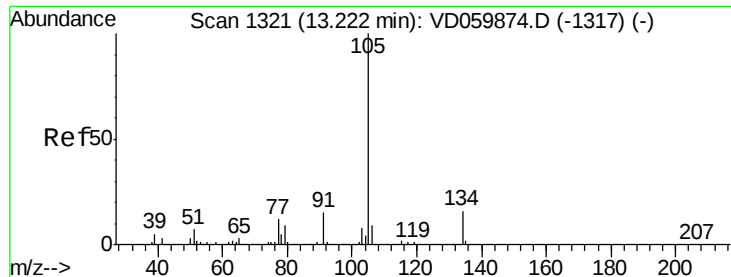


#73

Isopropylbenzene
Concen: 1.03 ug/l
RT: 12.27 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD059895.D
Acq: 23 Aug 2018 18:29

Tgt Ion:105 Resp: 22912
Ion Ratio Lower Upper
105 100
120 20.7 11.8 35.4





#85

sec-Butylbenzene

Concen: 1.11 ug/l

RT: 13.21 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

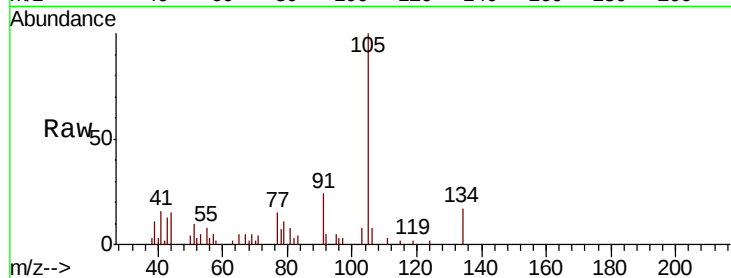
RA-081718-SSW-145-052RE

Tot Ion:105 Resp: 26377

Ion Ratio Lower Upper

105 100

134 16.9 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.21

20000

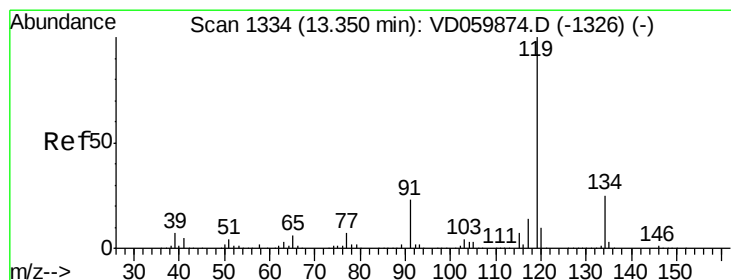
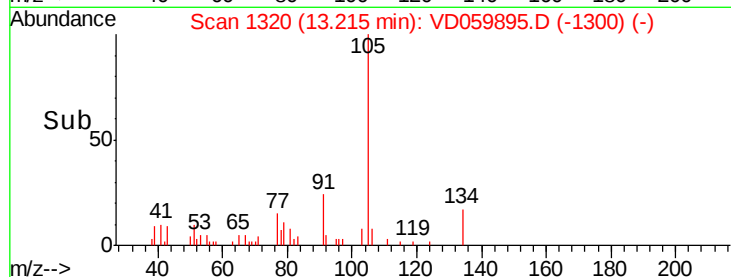
15000

10000

5000

0

Time--> 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 2.35 ug/l

RT: 13.34 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VD059895.D

Acq: 23 Aug 2018 18:29

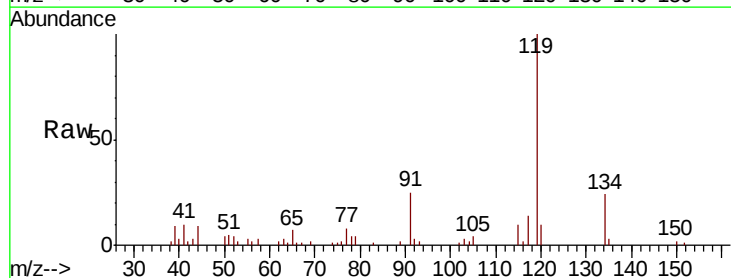
Tgt Ion:119 Resp: 45477

Ion Ratio Lower Upper

119 100

134 24.5 12.7 38.1

91 24.6 11.7 35.0



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

13.34

40000

30000

20000

10000

0

Time--> 13.30 13.35 13.40

