

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063461.D
 Acq On : 9 Aug 2019 3:25
 Operator : JC/SY
 Sample : K4223-30
 Misc : 3.52g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-15

Quant Time: Aug 09 08:16:19 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

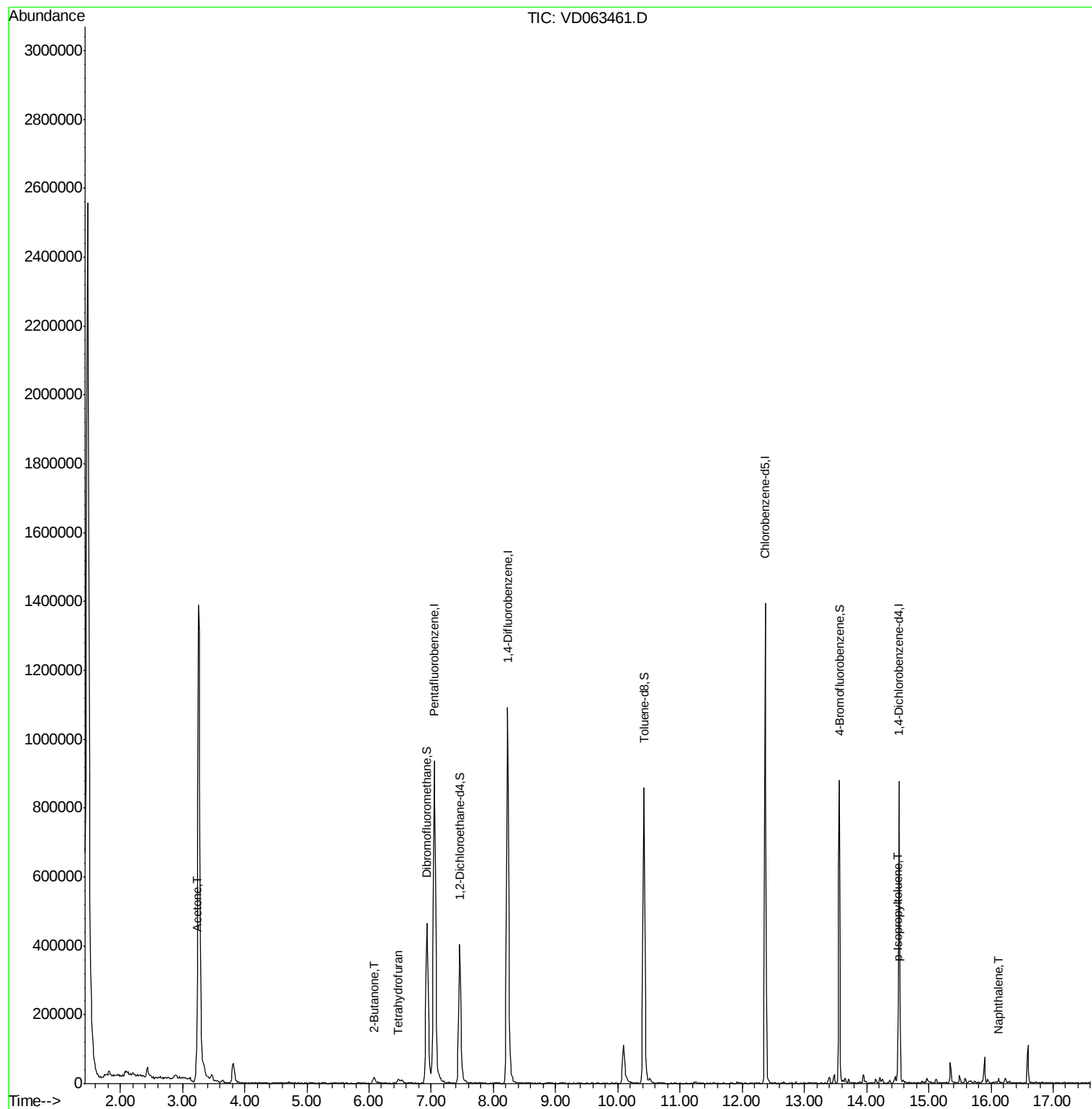
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	893244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1207591	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	716791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	205084	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	438064	44.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	88.40%	
35) Dibromofluoromethane	6.93	113	411353	39.90	ug/l	0.02
Spiked Amount 50.000			Recovery	=	79.80%	
50) Toluene-d8	10.42	98	729137	31.60	ug/l	0.02
Spiked Amount 50.000			Recovery	=	63.20%	
62) 4-Bromofluorobenzene	13.56	95	237852	22.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	45.24%	
Target Compounds						
16) Acetone	3.23	43	82981	42.970	ug/l	94
25) 2-Butanone	6.08	43	29836	15.395	ug/l #	88
29) Tetrahydrofuran	6.47	42	9064	9.878	ug/l #	92
86) p-Isopropyltoluene	14.50	119	18421	1.445	ug/l	95
95) Naphthalene	16.12	128	8763	1.381	ug/l #	90

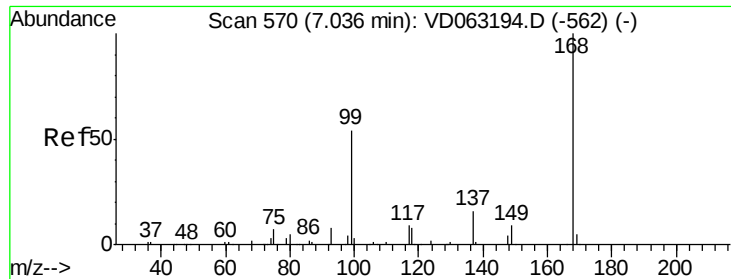
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

Instrument :

MSVOA_D

ClientSampleId :

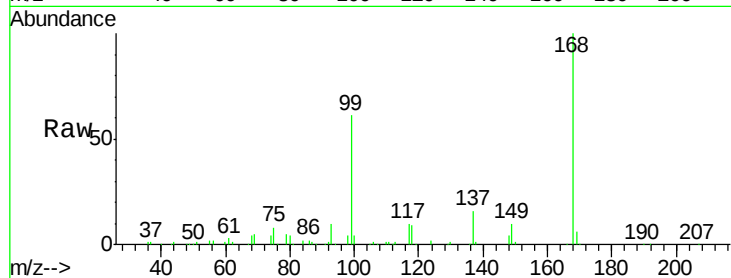
SP-15

Tot Ion:168 Resp: 893244

Ion Ratio Lower Upper

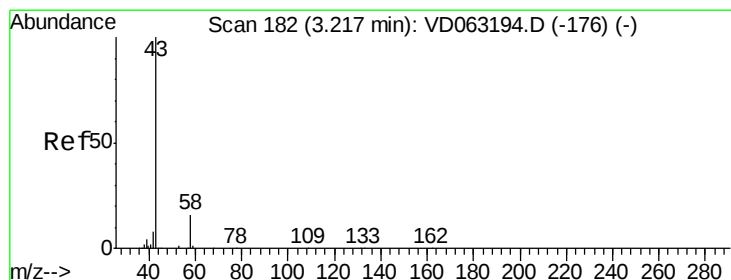
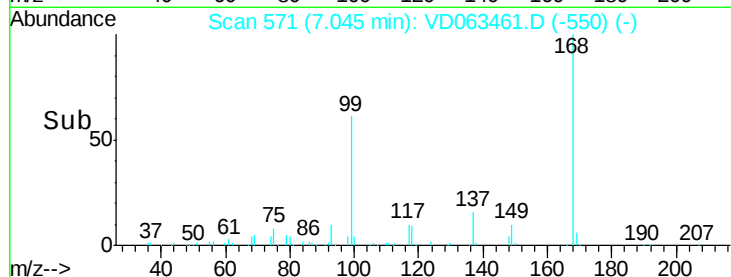
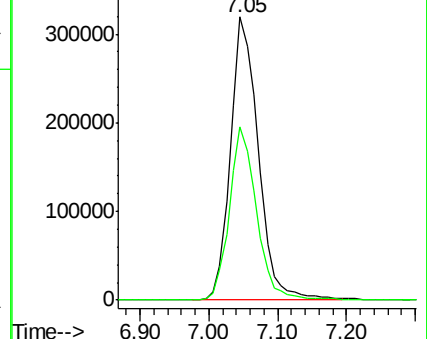
168 100

99 61.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 42.970 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063461.D

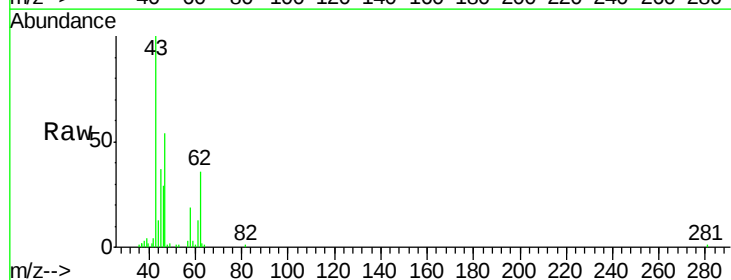
Acq: 9 Aug 2019 3:25

Tgt Ion: 43 Resp: 82981

Ion Ratio Lower Upper

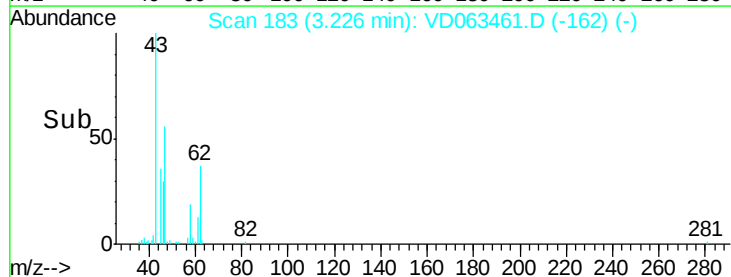
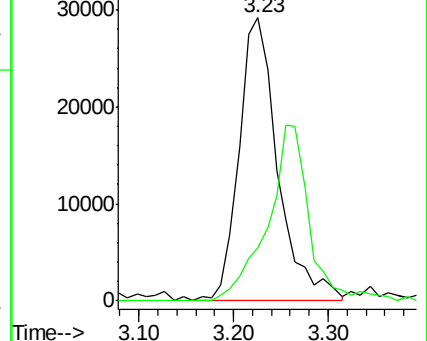
43 100

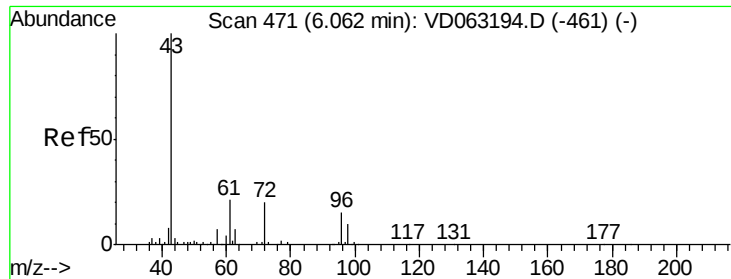
58 18.6 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 15.395 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

Instrument :

MSVOA_D

ClientSampleId :

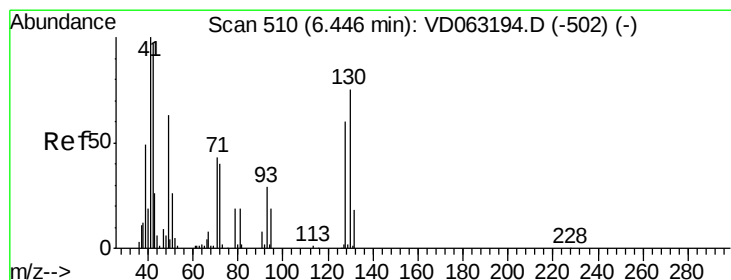
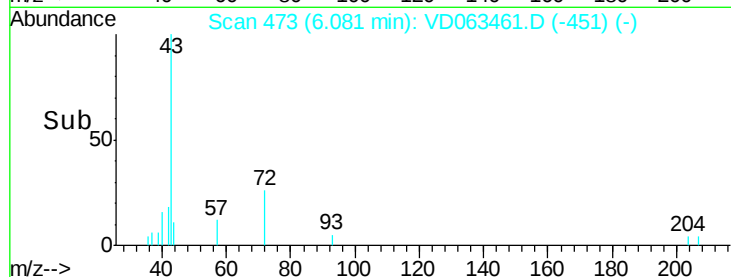
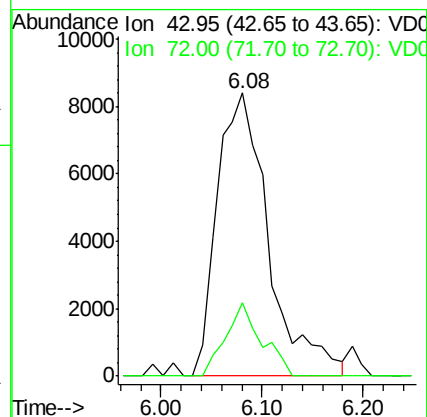
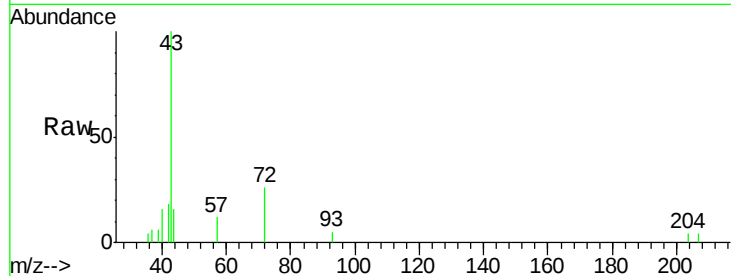
SP-15

Tot Ion: 43 Resp: 29836

Ion Ratio Lower Upper

43 100

72 25.8 16.3 24.5#



#29

Tetrahydrofuran

Concen: 9.878 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

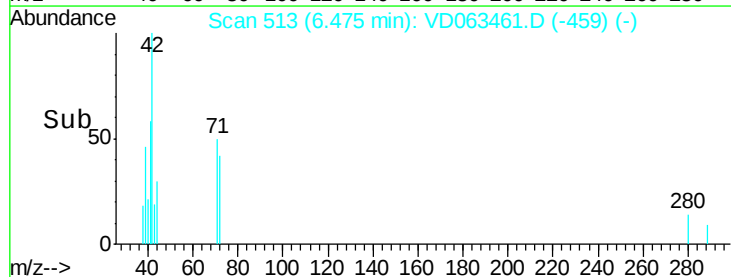
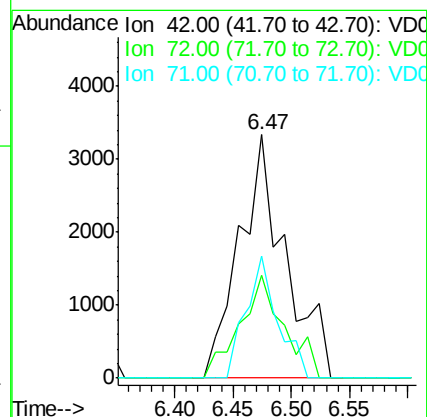
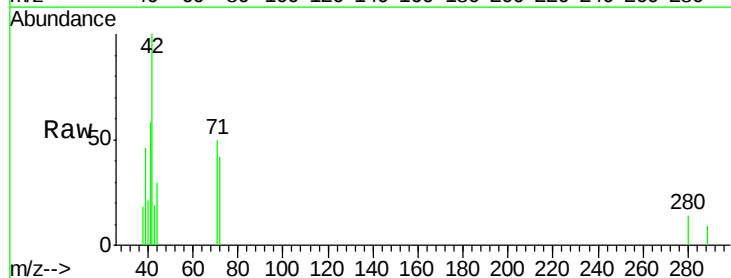
Tgt Ion: 42 Resp: 9064

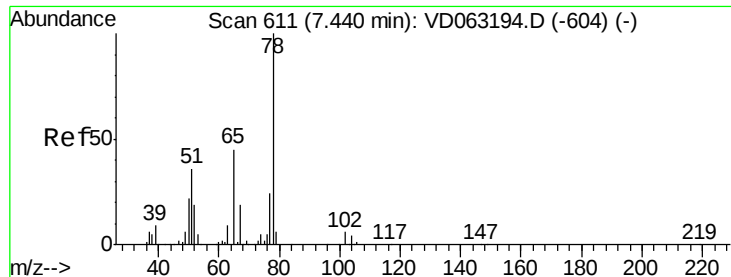
Ion Ratio Lower Upper

42 100

72 40.8 33.4 50.2

71 34.9 35.7 53.5#





#33

1,2-Dichloroethane-d4

Concen: 44.198 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

Instrument :

MSVOA_D

ClientSampleId :

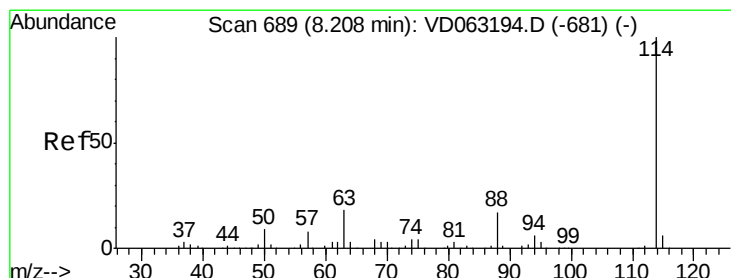
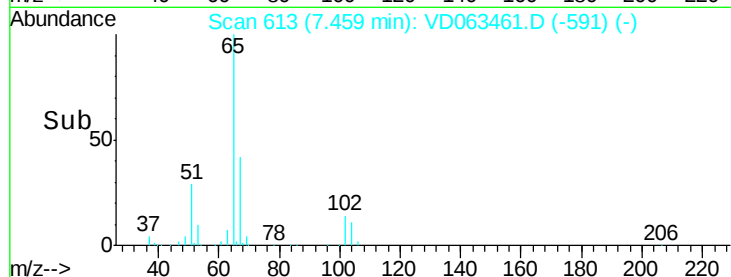
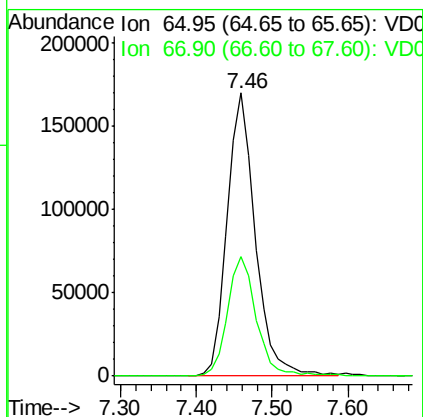
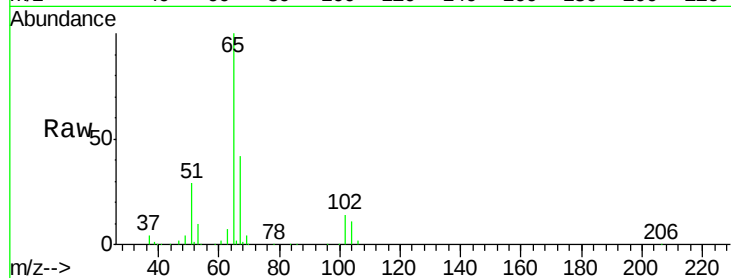
SP-15

Tot Ion: 65 Resp: 438064

Ion Ratio Lower Upper

65 100

67 42.1 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

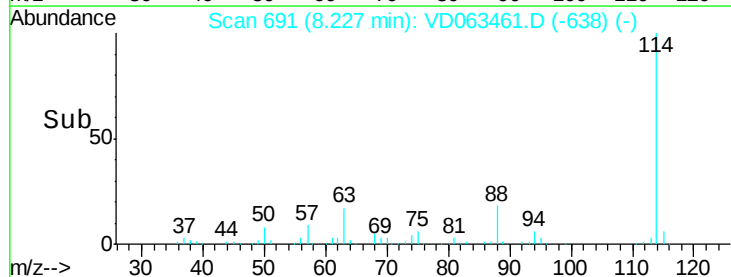
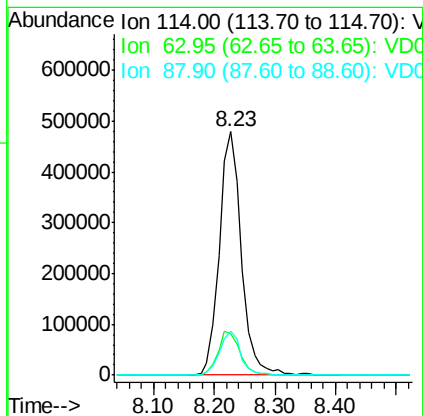
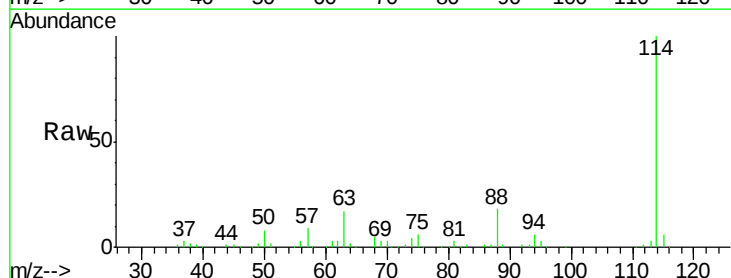
Tgt Ion: 114 Resp: 1207591

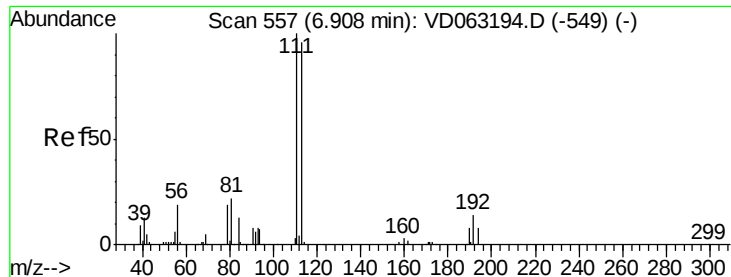
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.2

88 17.9 0.0 34.6





#35

Dibromofluoromethane

Concen: 39.897 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

Instrument :

MSVOA_D

ClientSampleId :

SP-15

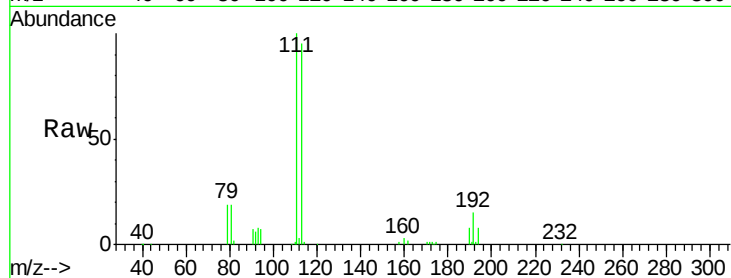
Tot Ion:113 Resp: 411353

Ion Ratio Lower Upper

113 100

111 105.3 83.2 124.8

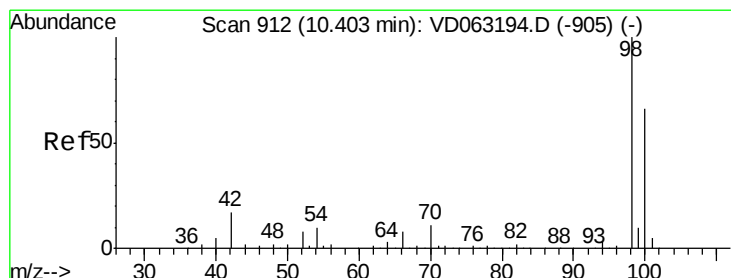
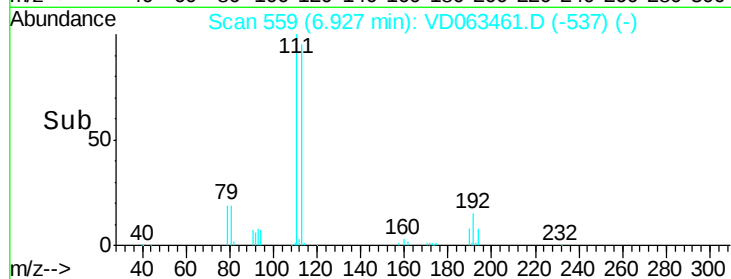
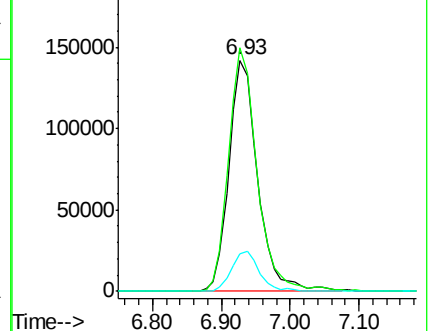
192 16.0 11.8 17.8



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: 31.600 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063461.D

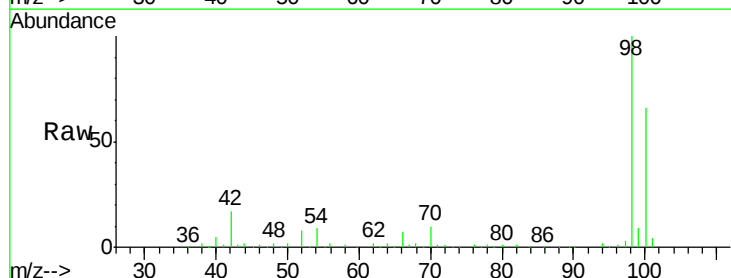
Acq: 9 Aug 2019 3:25

Tgt Ion: 98 Resp: 729137

Ion Ratio Lower Upper

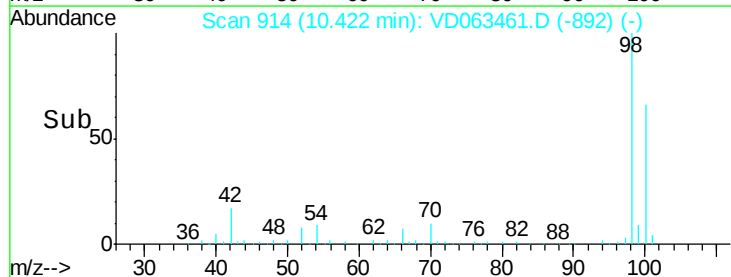
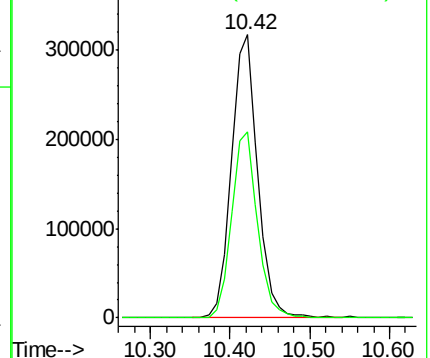
98 100

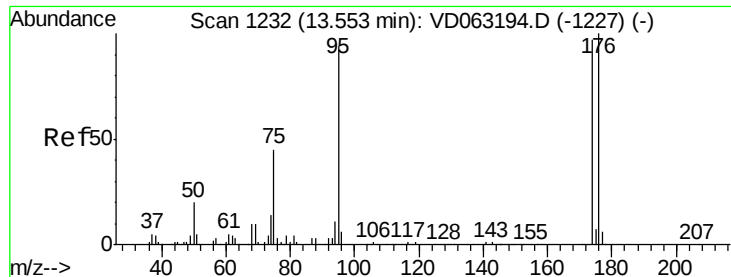
100 65.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 22.621 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

Instrument :

MSVOA_D

ClientSampled :

SP-15

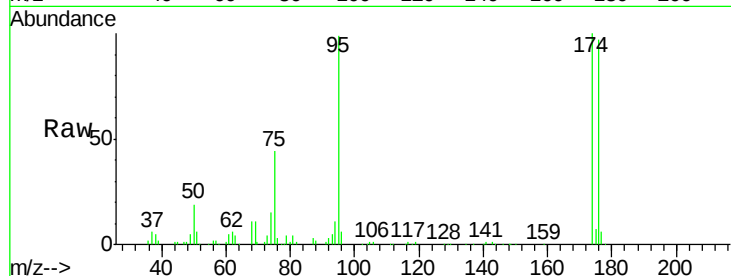
Tot Ion: 95 Resp: 237852

Ion Ratio Lower Upper

95 100

174 101.3 0.0 205.4

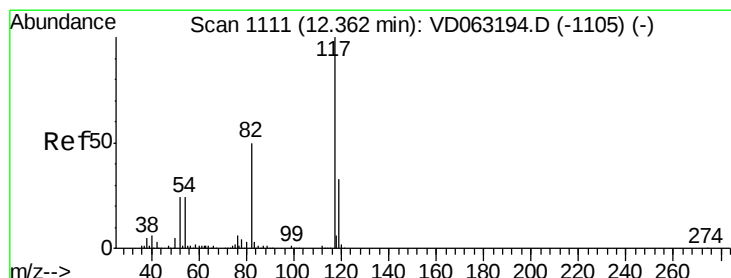
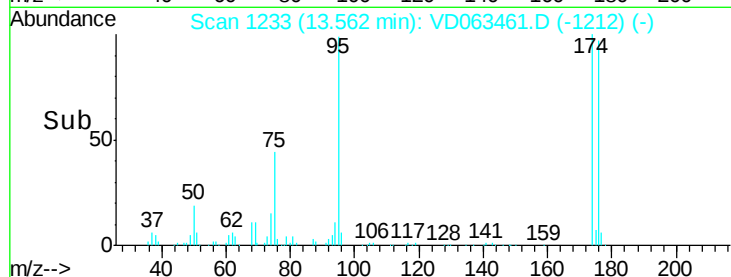
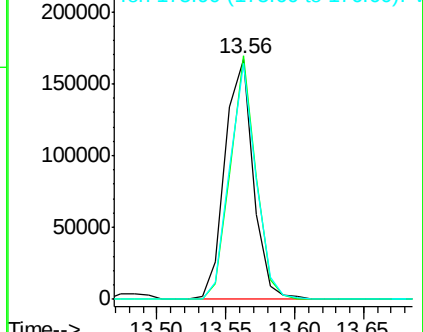
176 98.0 0.0 211.8



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: VD063461.D

Acq: 9 Aug 2019 3:25

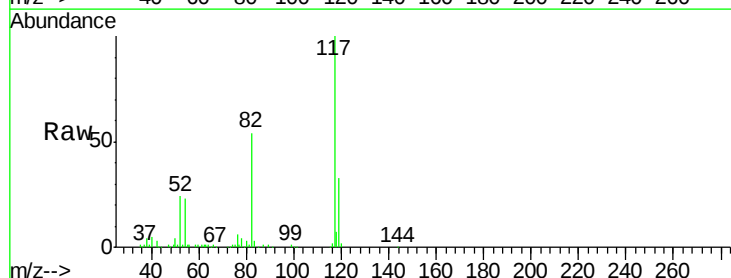
Tgt Ion: 117 Resp: 716791

Ion Ratio Lower Upper

117 100

82 54.1 40.1 60.1

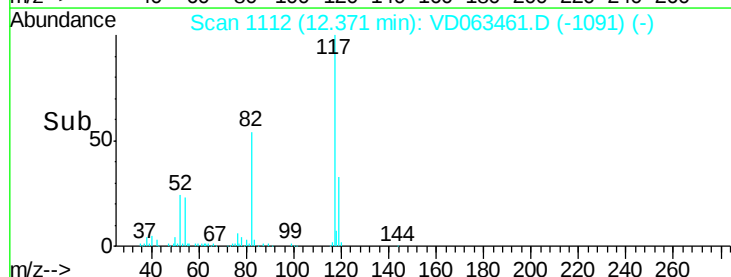
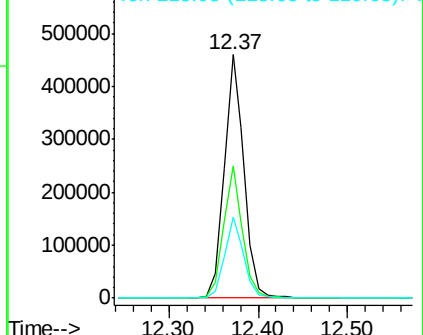
119 33.3 26.5 39.7

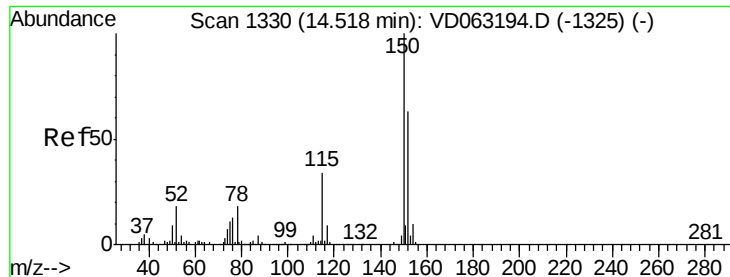


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

Instrument :

MSVOA_D

ClientSampled :

SP-15

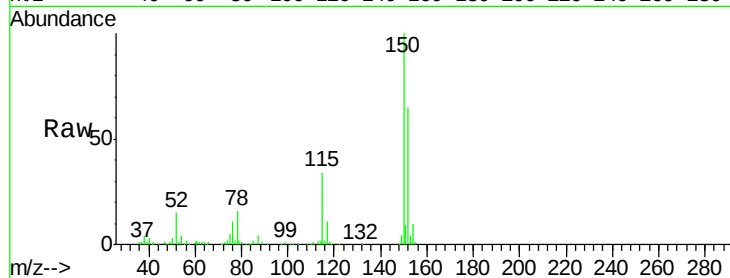
Tot Ion:152 Resp: 205084

Ion Ratio Lower Upper

152 100

115 52.5 27.5 82.4

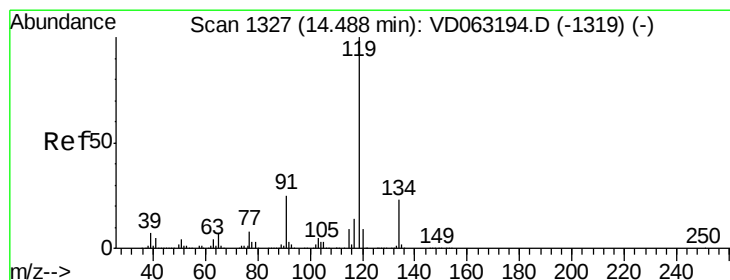
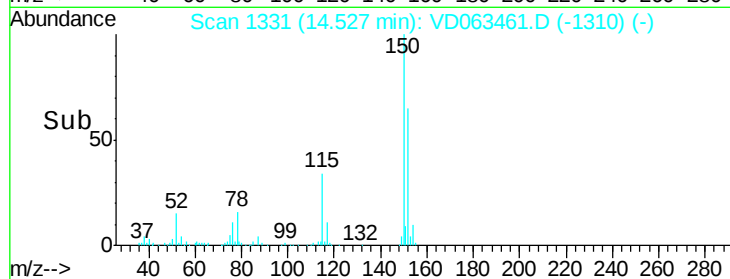
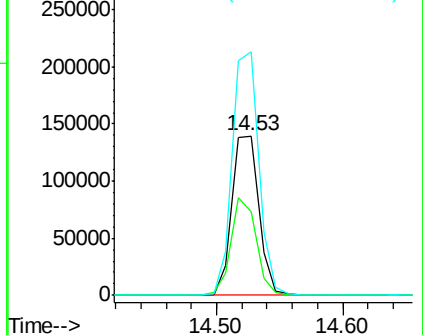
150 152.7 0.0 320.6



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



#86

p-Isopropyltoluene

Concen: 1.445 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

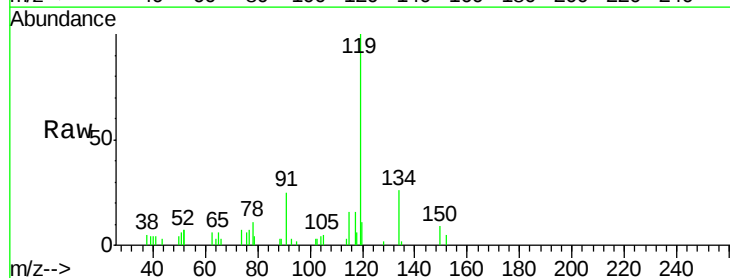
Tgt Ion:119 Resp: 18421

Ion Ratio Lower Upper

119 100

134 28.3 11.5 34.5

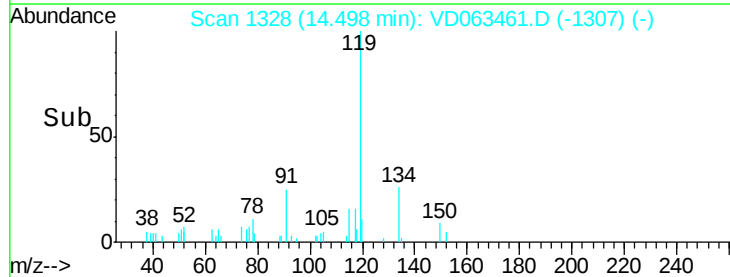
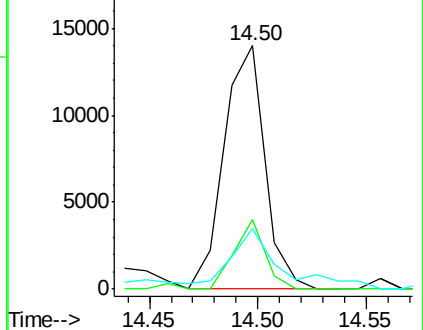
91 25.1 12.6 37.6

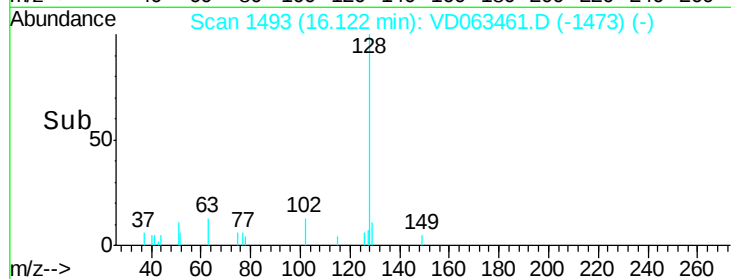
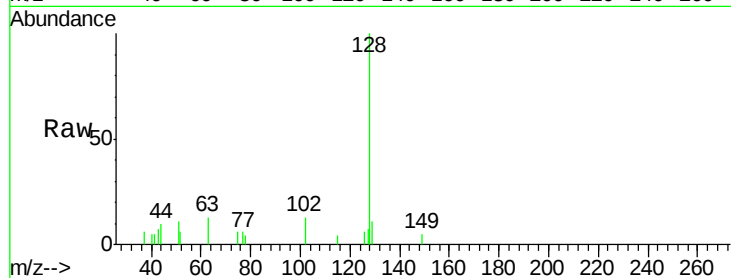
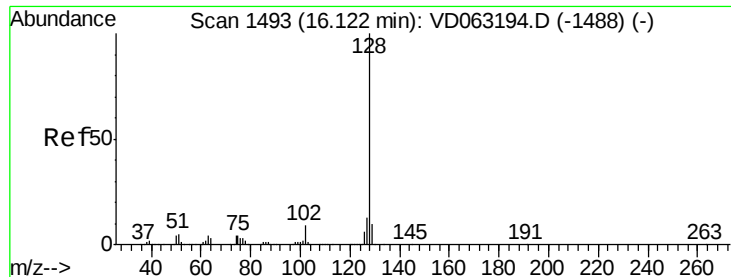


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#95

Naphthalene

Concen: 1.381 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063461.D

Acq: 9 Aug 2019 3:25

Instrument :

MSVOA_D

ClientSampleId :

SP-15

Tot Ion:128 Resp: 8763

Ion Ratio Lower Upper

128 100

127 7.2 10.2 15.4#

129 11.4 7.8 11.8

