

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058310.D
 Acq On : 22 Jun 2018 21:40
 Operator : VA/AP
 Sample : J3663-13
 Misc : 20.31g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-29-31-180618

Quant Time: Jun 23 00:02:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

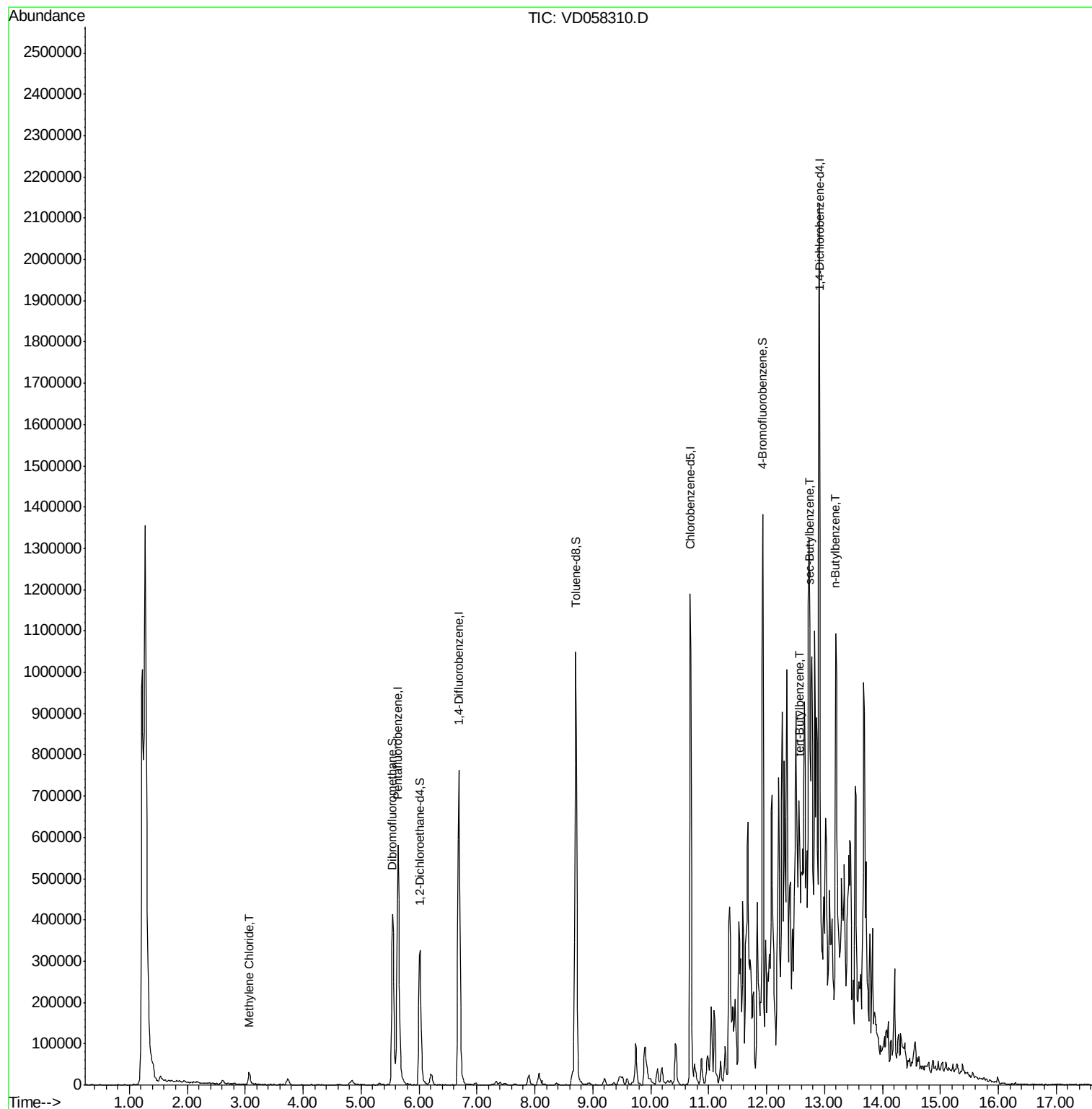
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	592820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	760332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	647351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	338056	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	336743	56.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.48%	
35) Dibromofluoromethane	5.55	113	335839	54.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.54%	
50) Toluene-d8	8.71	98	785165	52.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	11.93	95	353086	57.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.46%	
Target Compounds						
20) Methylene Chloride	3.07	84	13861	1.90	ug/l	95
83) tert-Butylbenzene	12.57	119	27462	1.51	ug/l	83
85) sec-Butylbenzene	12.75	105	62744	2.95	ug/l #	66
89) n-Butylbenzene	13.19	91	24590	1.36	ug/l	72

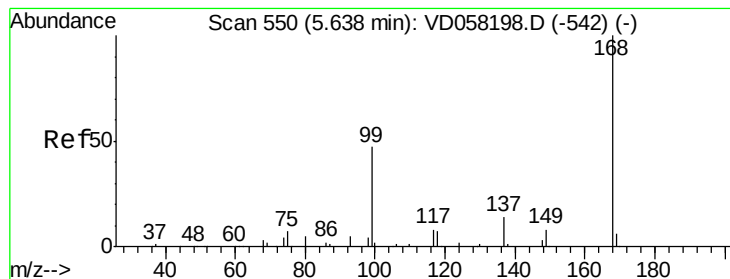
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

Instrument :

MSVOA_D

ClientSampleId :

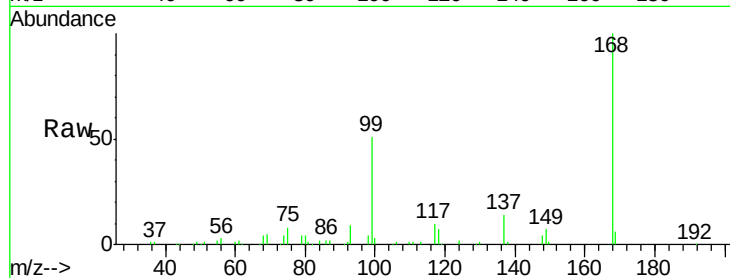
WP021SB470-29-31-180618

Tot Ion:168 Resp: 592820

Ion Ratio Lower Upper

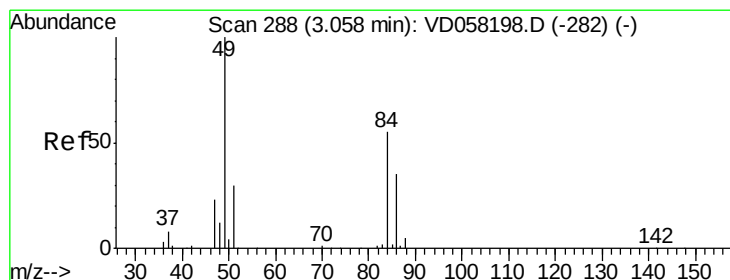
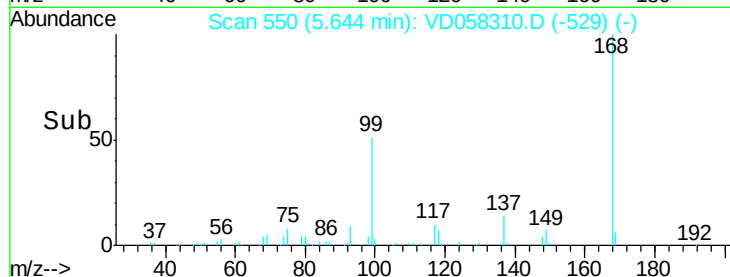
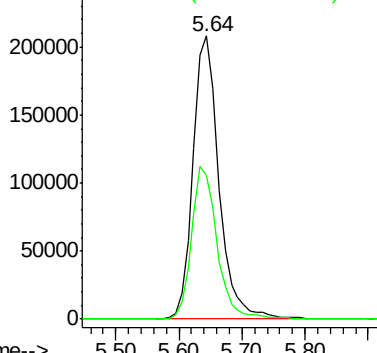
168 100

99 50.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 1.90 ug/l

RT: 3.07 min Scan# 289

Delta R.T. 0.02 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

Tgt Ion: 84 Resp: 13861

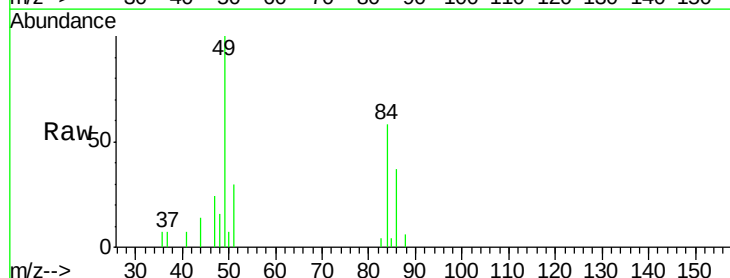
Ion Ratio Lower Upper

84 100

49 171.7 145.0 217.6

51 52.0 42.9 64.3

86 63.0 50.1 75.1

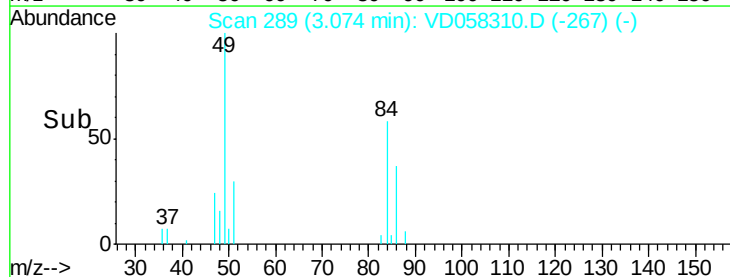
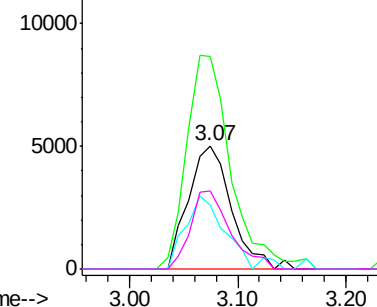


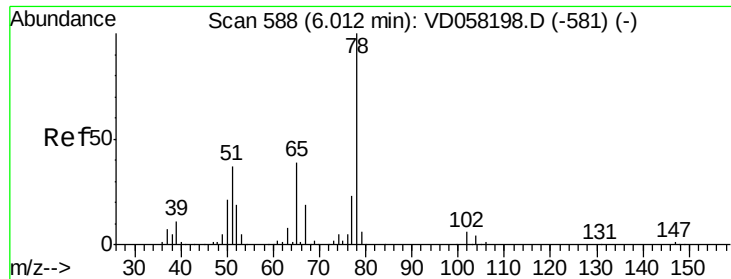
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

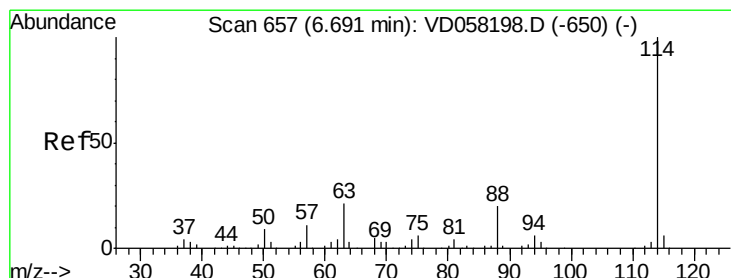
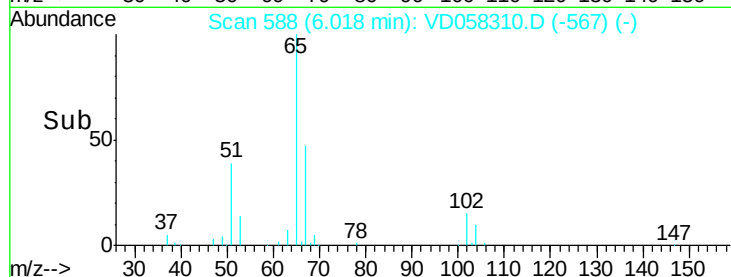
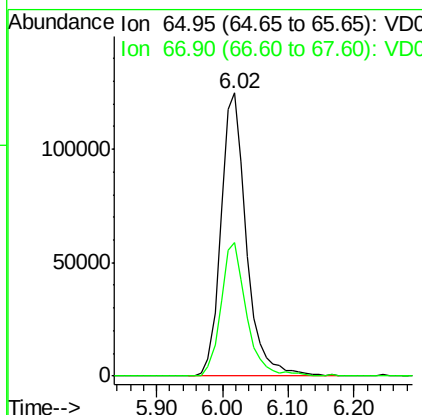
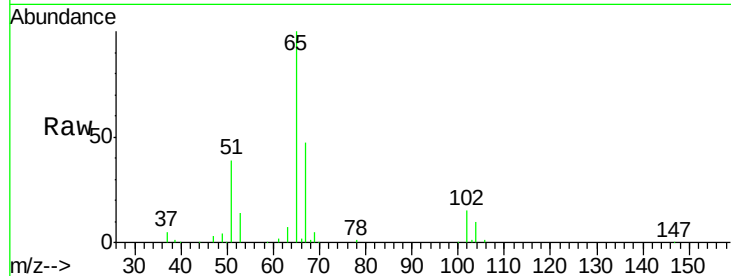




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD058310.D
 Acq: 22 Jun 2018 21:40

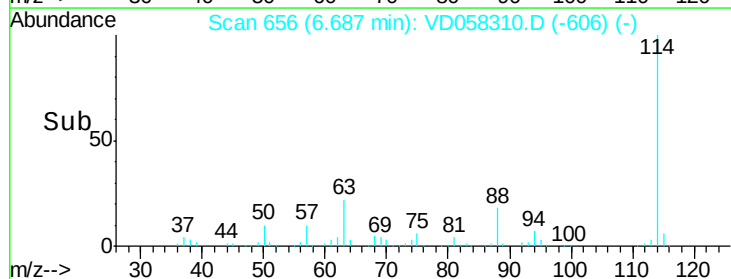
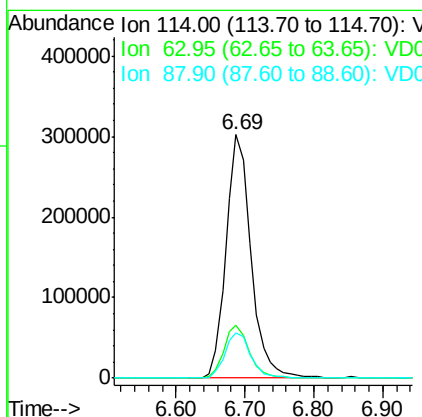
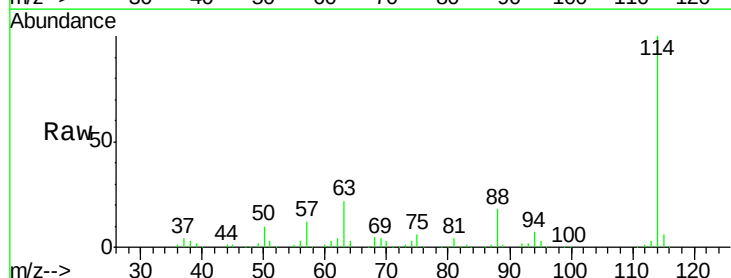
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-29-31-180618

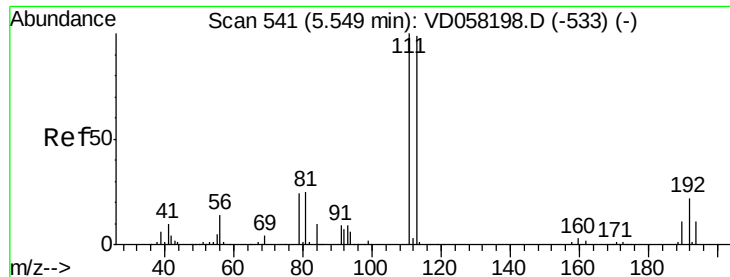
Tot Ion: 65 Resp: 336743
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD058310.D
 Acq: 22 Jun 2018 21:40

Tgt Ion: 114 Resp: 760332
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.6
 88 18.4 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-29-31-180618

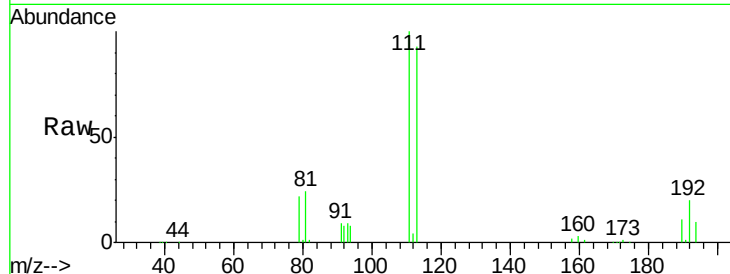
Tot Ion:113 Resp: 335839

Ion Ratio Lower Upper

113 100

111 107.9 80.6 121.0

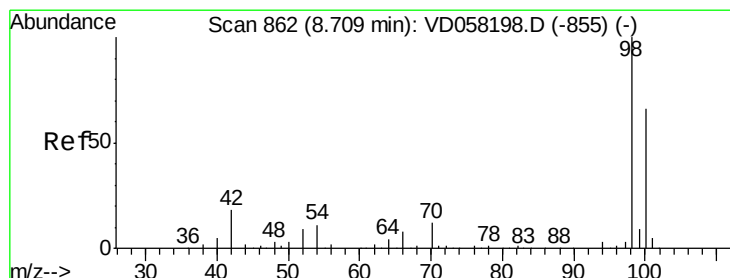
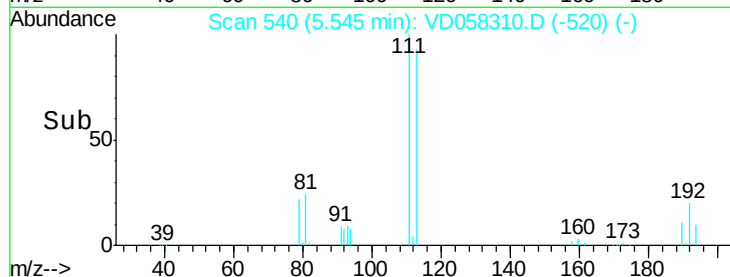
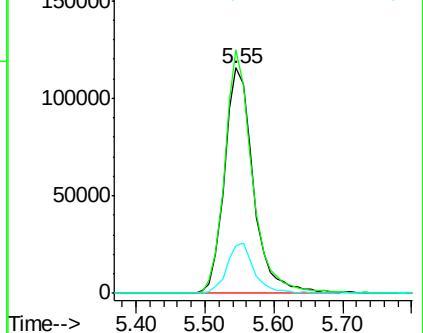
192 21.1 17.8 26.6



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: 8.71 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD058310.D

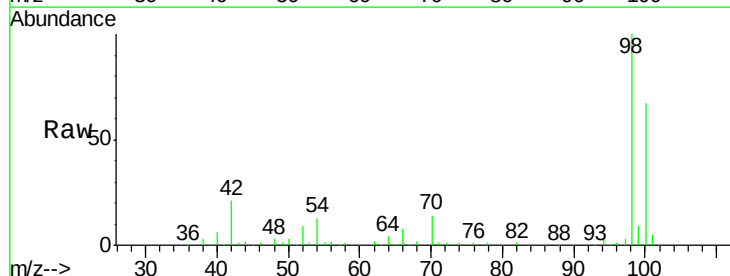
Acq: 22 Jun 2018 21:40

Tgt Ion: 98 Resp: 785165

Ion Ratio Lower Upper

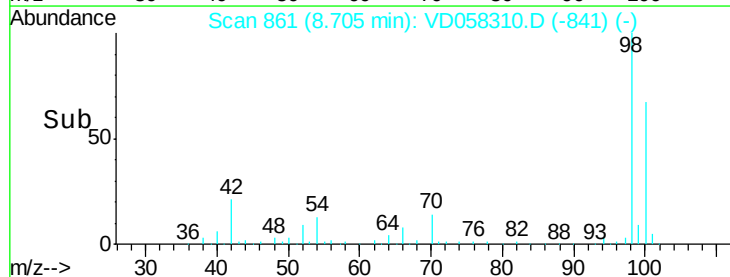
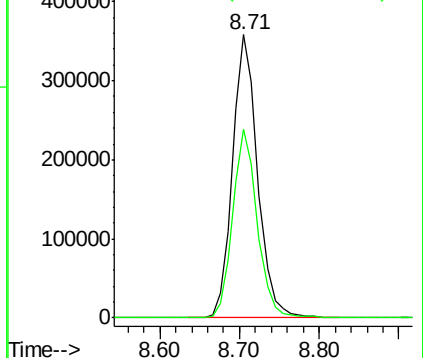
98 100

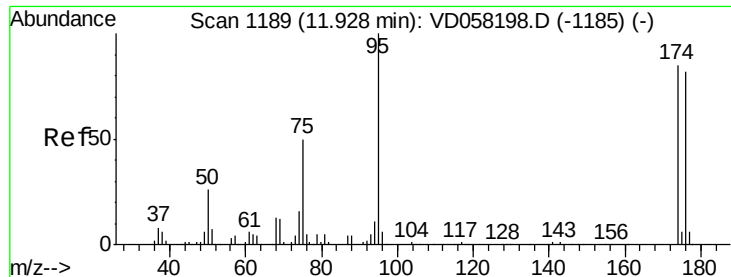
100 66.6 53.6 80.4



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: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-29-31-180618

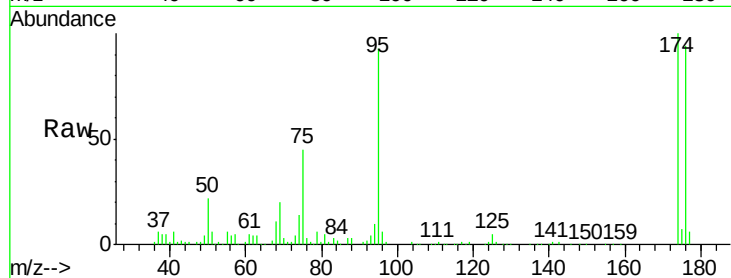
Tot Ion: 95 Resp: 353086

Ion Ratio Lower Upper

95 100

174 107.5 0.0 170.2

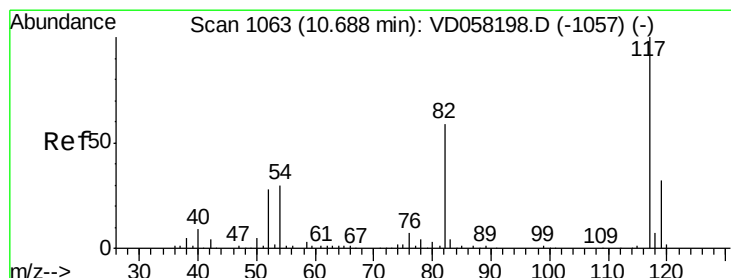
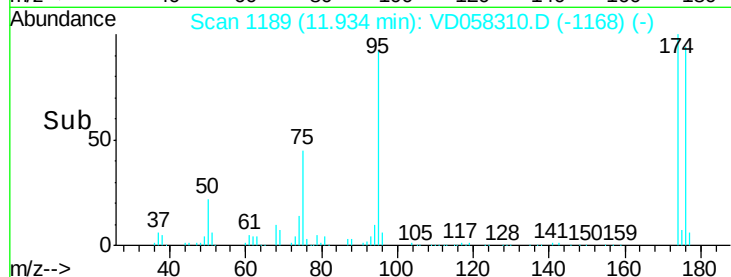
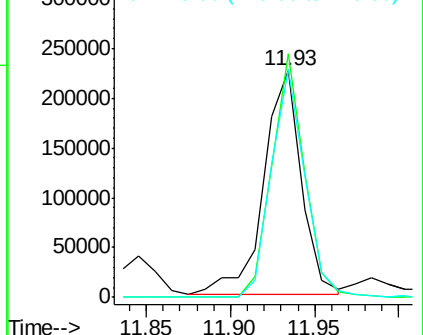
176 100.9 0.0 164.6



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: 10.68 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

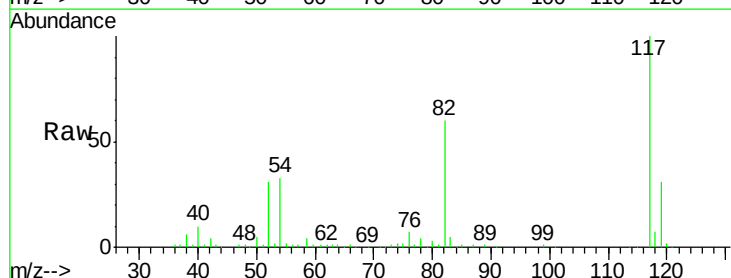
Tgt Ion: 117 Resp: 647351

Ion Ratio Lower Upper

117 100

82 60.5 47.0 70.6

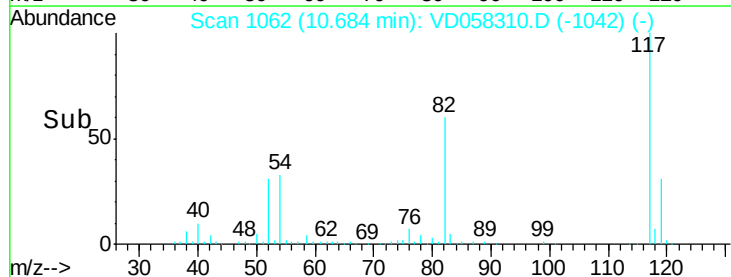
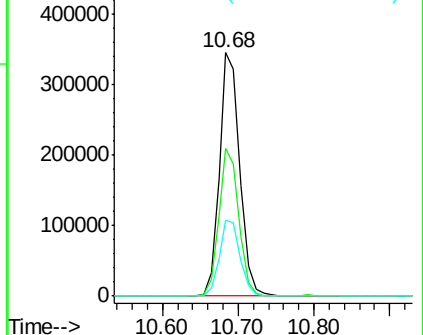
119 31.1 25.3 37.9

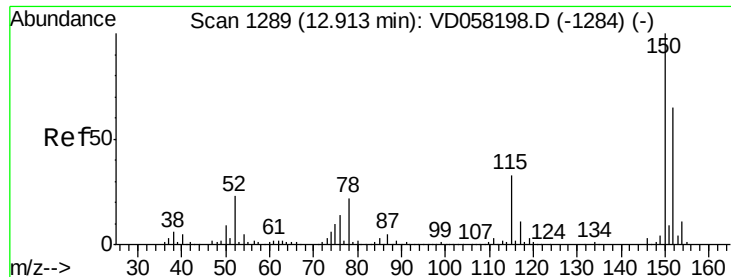


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

Instrument :

MSVOA_D

ClientSampleId :

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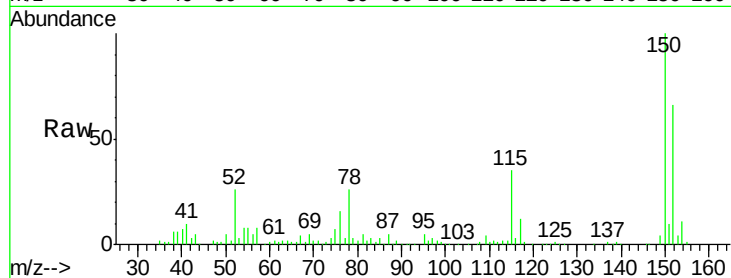
Tot Ion:152 Resp: 338056

Ion Ratio Lower Upper

152 100

115 53.2 25.1 75.3

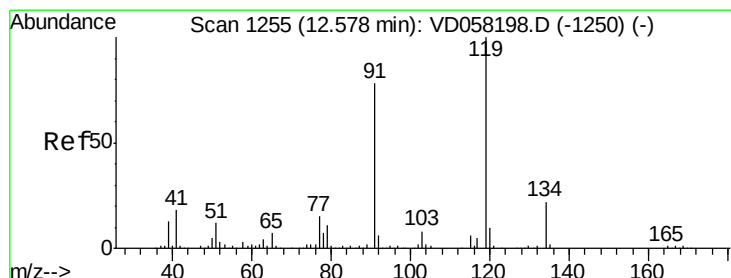
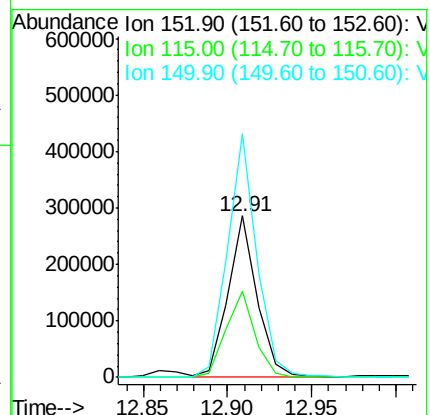
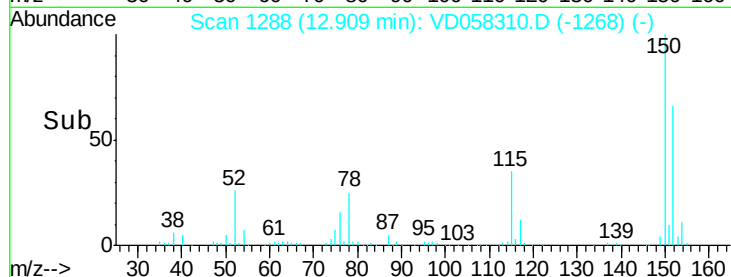
150 150.6 0.0 308.8



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



#83

tert-Butylbenzene

Concen: 1.51 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

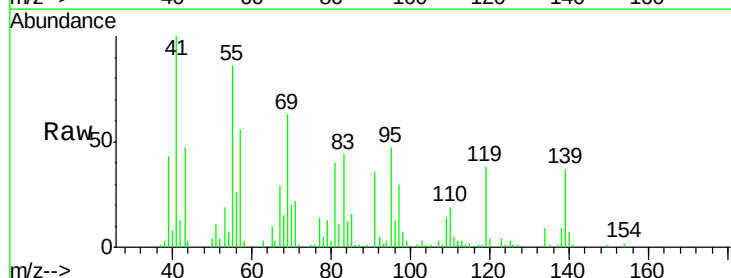
Tgt Ion:119 Resp: 27462

Ion Ratio Lower Upper

119 100

91 95.2 38.9 116.6

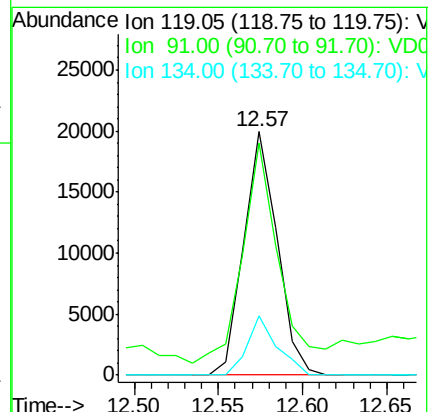
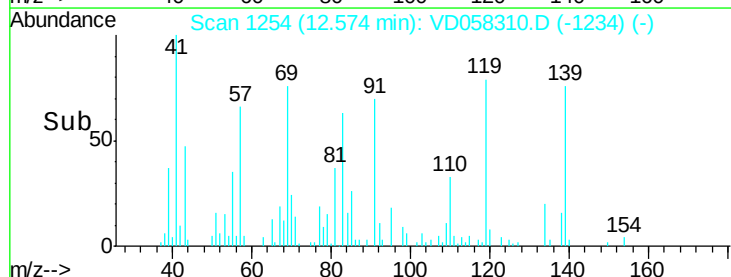
134 24.6 11.2 33.5

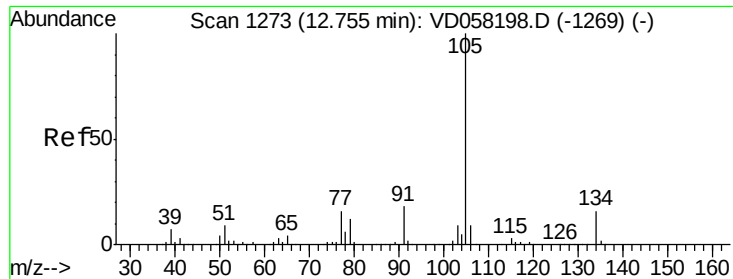


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 2.95 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

Instrument :

MSVOA_D

ClientSampleId :

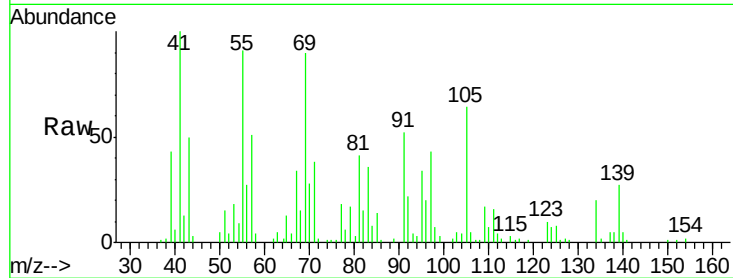
WP021SB470-29-31-180618

Tot Ion:105 Resp: 62744

Ion Ratio Lower Upper

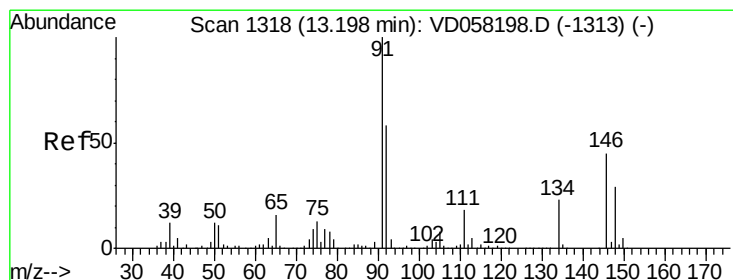
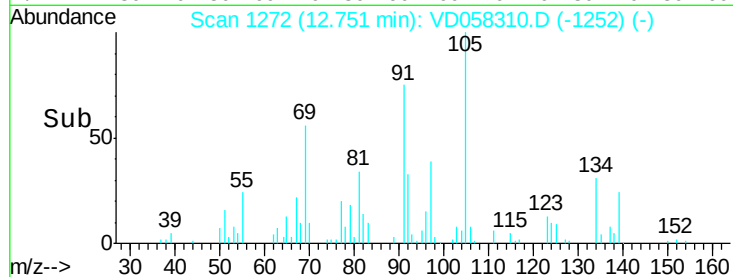
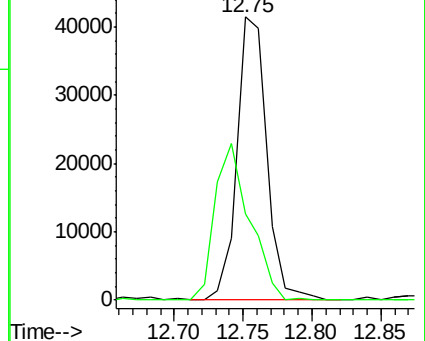
105 100

134 30.5 8.1 24.3#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#89

n-Butylbenzene

Concen: 1.36 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD058310.D

Acq: 22 Jun 2018 21:40

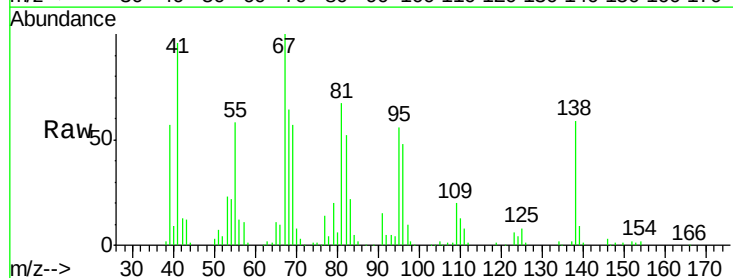
Tgt Ion: 91 Resp: 24590

Ion Ratio Lower Upper

91 100

92 34.9 29.2 87.6

134 12.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

