

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061830.D
 Acq On : 17 Apr 2019 2:48
 Operator : VA/AP
 Sample : K2390-05
 Misc : 7.61g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 03:46:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

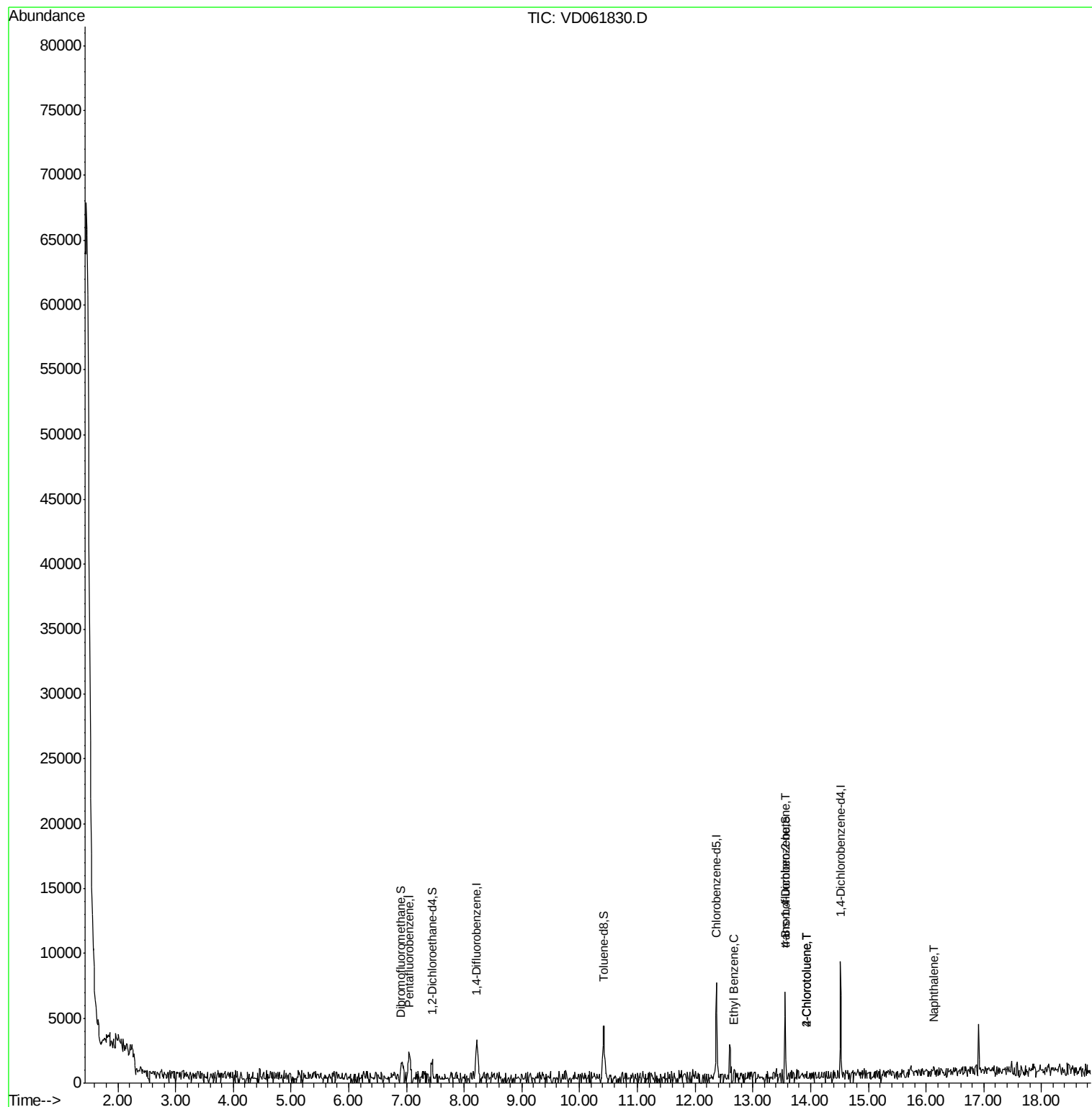
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	3072	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.22	114	6975	50.00	ug/l	-0.05
63) Chlorobenzene-d5	12.37	117	5614	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	2875	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	1474	57.25	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	114.50%	
35) Dibromofluoromethane	6.90	113	1455	27.61	ug/l	-0.08
Spiked Amount 50.000			Recovery	=	55.22%	
50) Toluene-d8	10.42	98	5184	41.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	83.04%	
62) 4-Bromofluorobenzene	13.56	95	2141	42.31	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	84.62%	
Target Compounds						
					Qvalue	
67) Ethyl Benzene	12.68	91	177	1.057	ug/l #	44
79) 2-Chlorotoluene	13.94	91	205	1.629	ug/l #	38
81) trans-1,4-Dichloro-2-buten	13.56	75	585	47.949	ug/l #	16
82) 4-Chlorotoluene	13.94	91	205	1.423	ug/l #	37
95) Naphthalene	16.12	128	198	3.037	ug/l #	70

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD061830.D

Acq: 17 Apr 2019 2:48

Instrument :

MSVOA_D

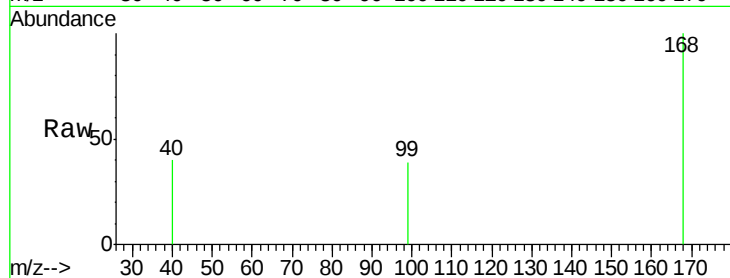
ClientSampleId :

Tot Ion:168 Resp: 3072

Ion Ratio Lower Upper

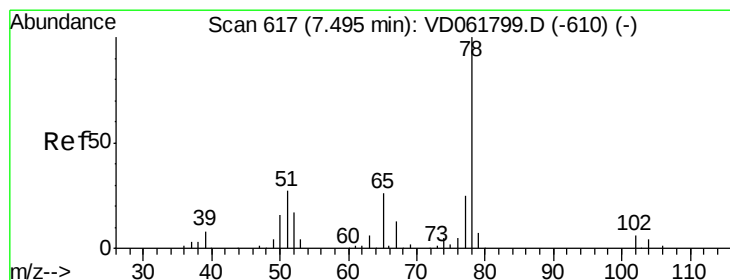
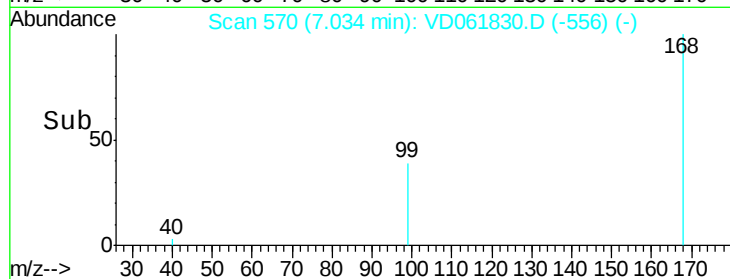
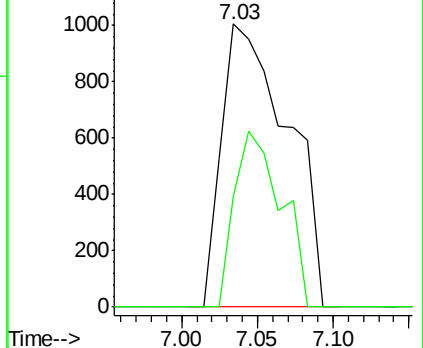
168 100

99 39.1 46.5 69.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.05 min

Lab File: VD061830.D

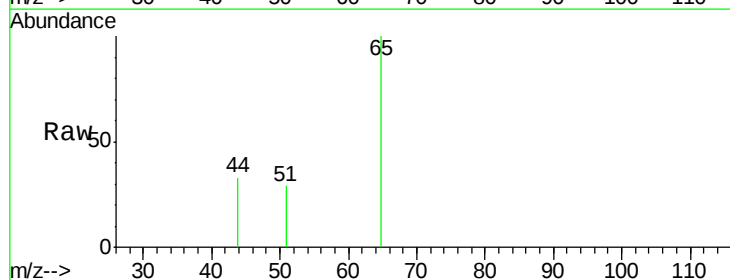
Acq: 17 Apr 2019 2:48

Tgt Ion: 65 Resp: 1474

Ion Ratio Lower Upper

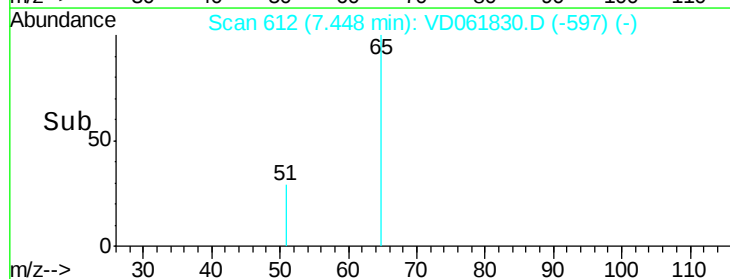
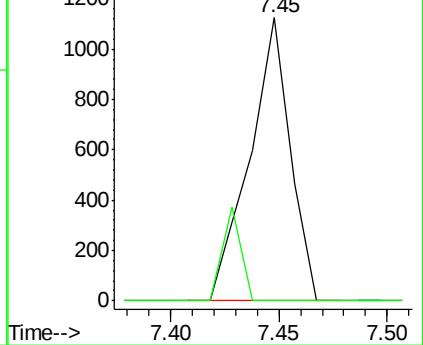
65 100

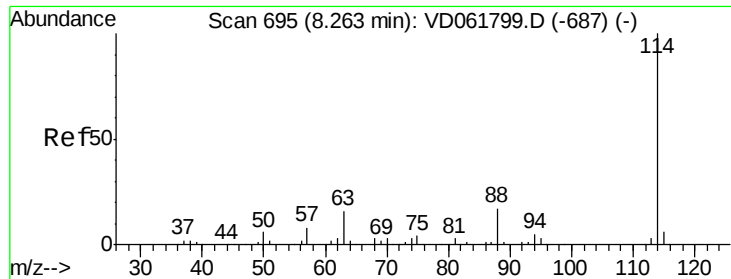
67 0.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

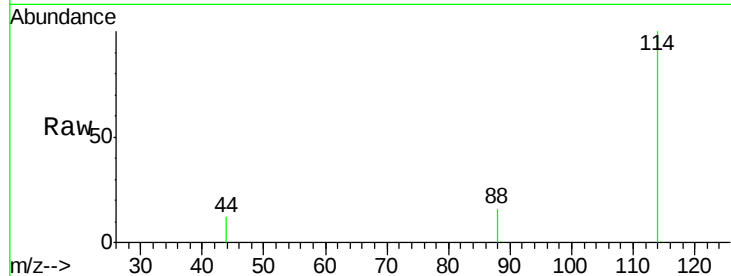




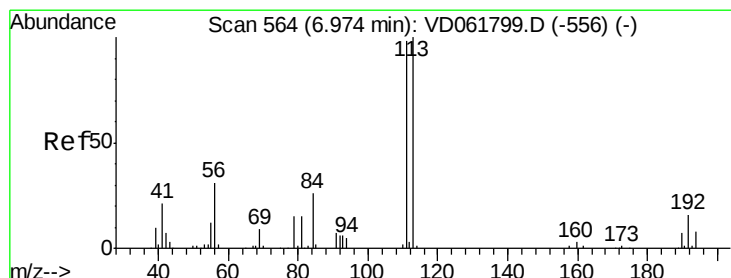
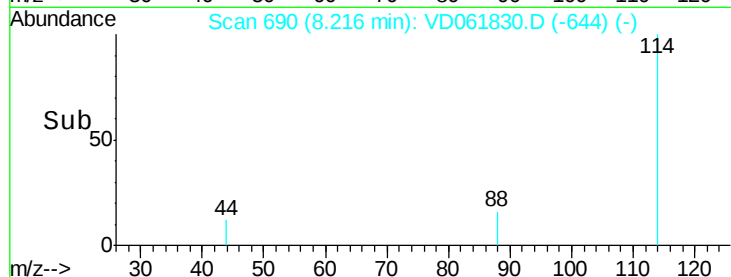
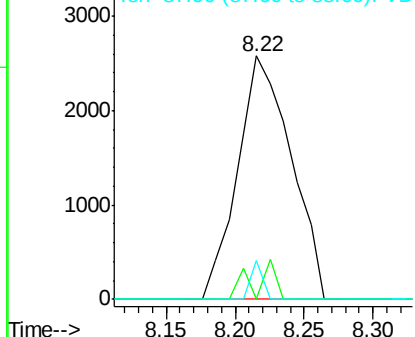
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.05 min
 Lab File: VD061830.D
 Acq: 17 Apr 2019 2:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 6975
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 32.4
 88 15.9 0.0 33.6

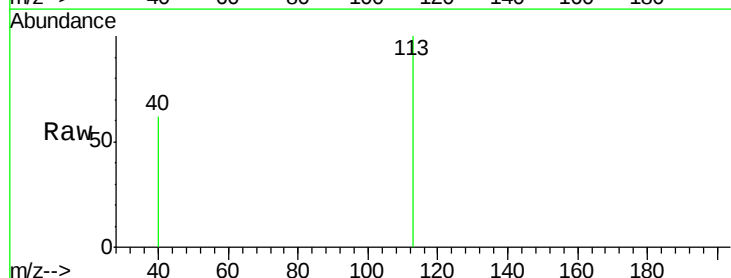


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

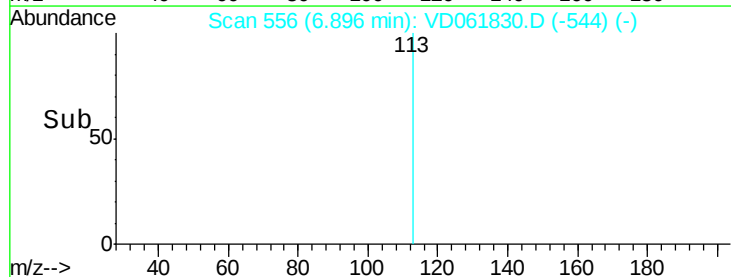
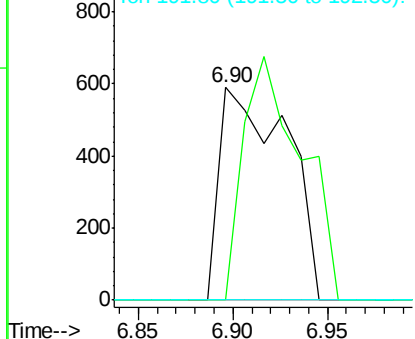


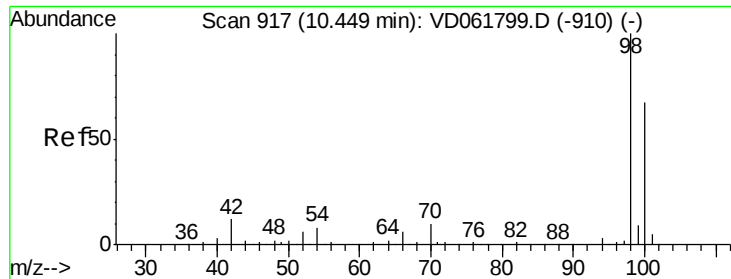
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.08 min
 Lab File: VD061830.D
 Acq: 17 Apr 2019 2:48

Tgt Ion:113 Resp: 1455
 Ion Ratio Lower Upper
 113 100
 111 0.0 78.5 117.7#
 192 0.0 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

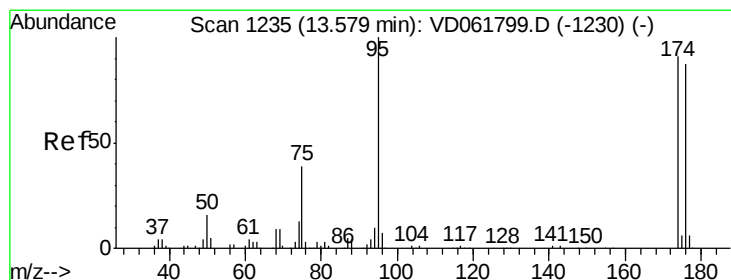
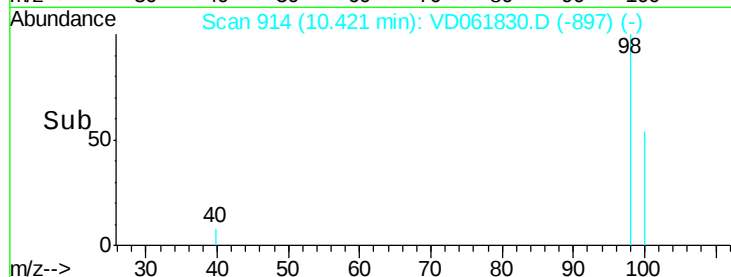
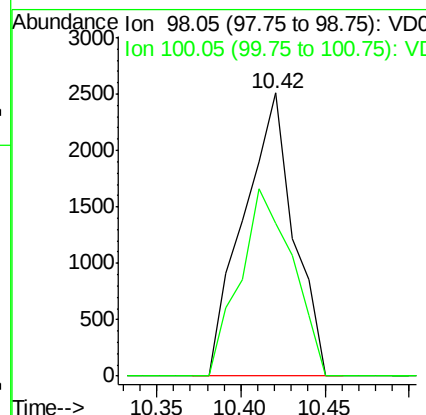
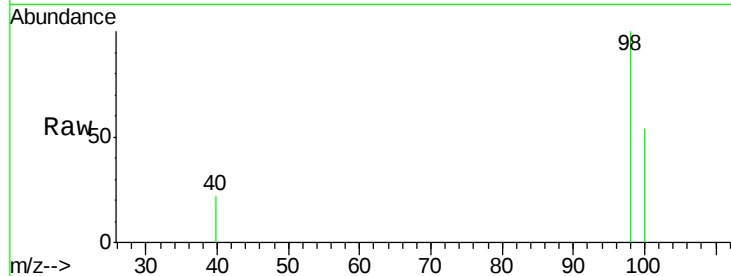




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD061830.D
Acq: 17 Apr 2019 2:48

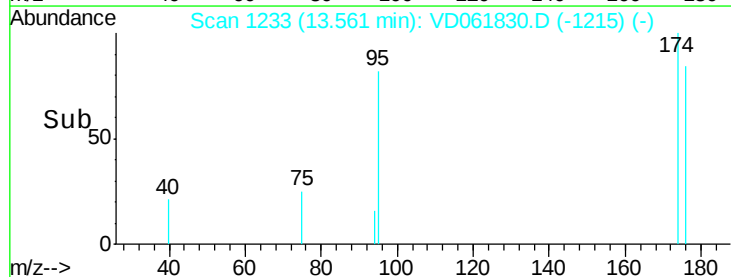
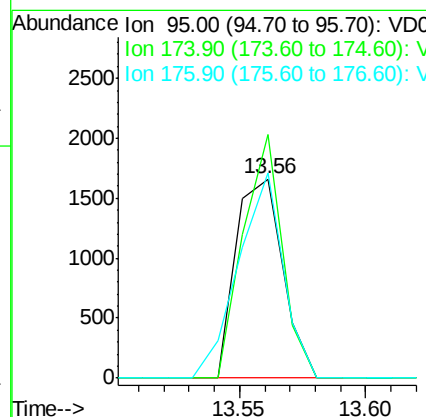
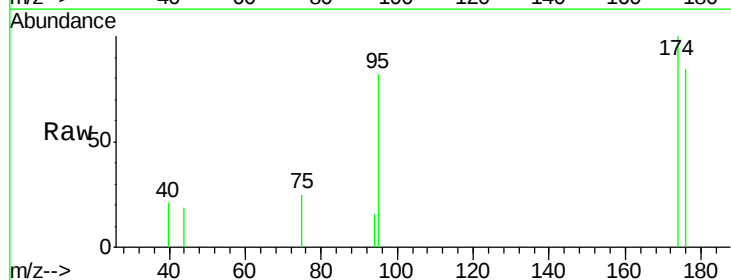
Instrument :
MSVOA_D
ClientSampleId :

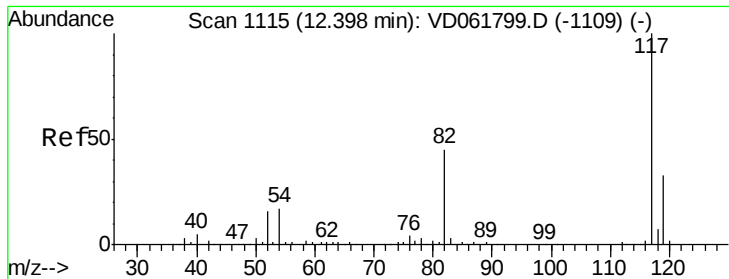
Tot Ion: 98 Resp: 5184
Ion Ratio Lower Upper
98 100
100 53.8 53.8 80.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD061830.D
Acq: 17 Apr 2019 2:48

Tgt Ion: 95 Resp: 2141
Ion Ratio Lower Upper
95 100
174 122.3 0.0 181.8
176 103.3 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.03 min

Lab File: VD061830.D

Acq: 17 Apr 2019 2:48

Instrument :

MSVOA_D

ClientSampleId :

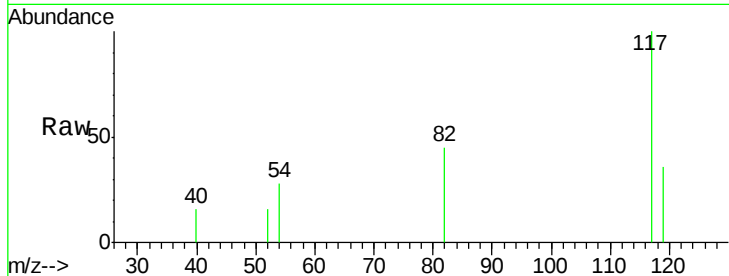
Tot Ion:117 Resp: 5614

Ion Ratio Lower Upper

117 100

82 45.1 36.2 54.2

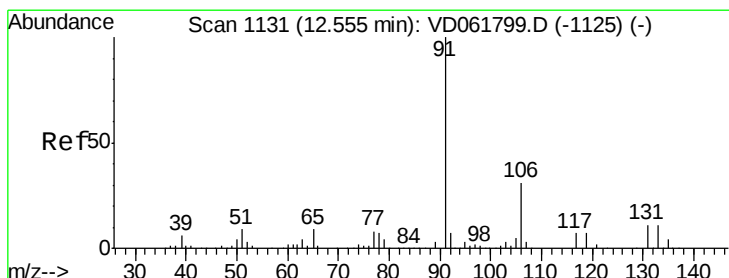
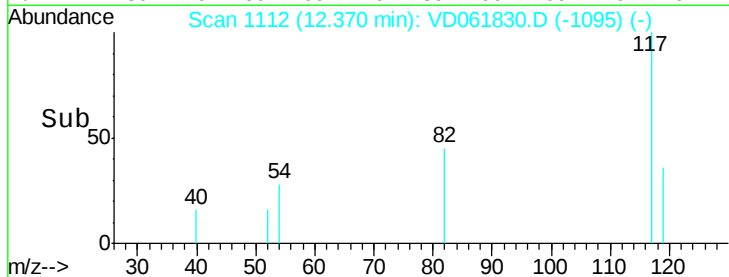
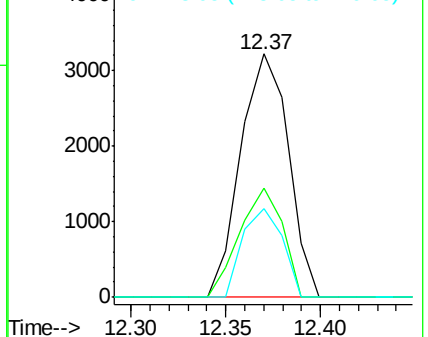
119 36.5 26.2 39.4



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



#67

Ethyl Benzene

Concen: 1.057 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.12 min

Lab File: VD061830.D

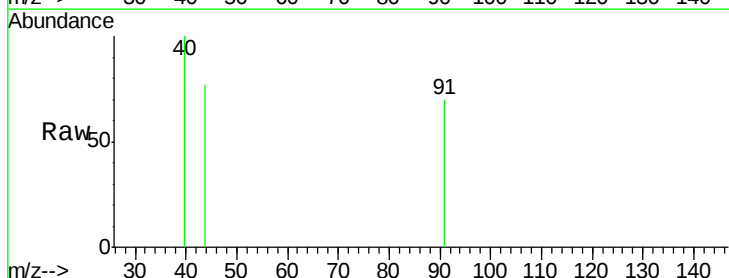
Acq: 17 Apr 2019 2:48

Tgt Ion: 91 Resp: 177

Ion Ratio Lower Upper

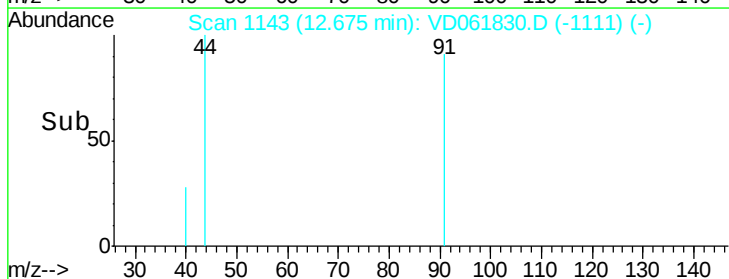
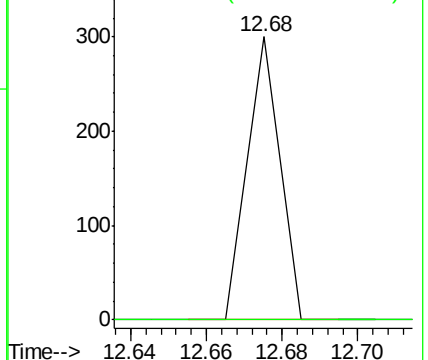
91 100

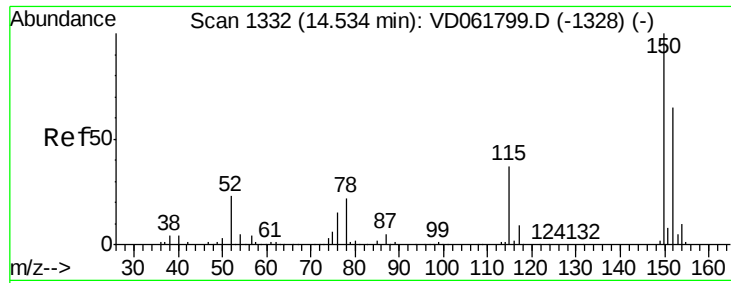
106 0.0 24.7 37.1#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): 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: VD061830.D

Acq: 17 Apr 2019 2:48

Instrument :

MSVOA_D

ClientSampleId :

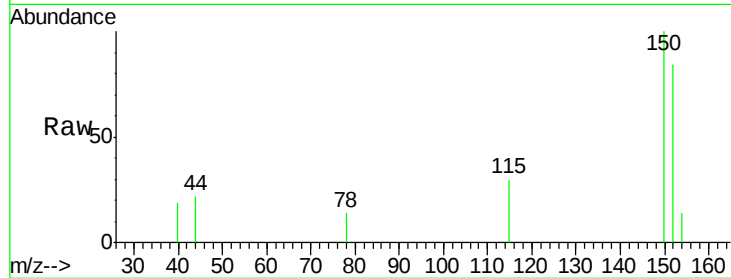
Tot Ion:152 Resp: 2875

Ion Ratio Lower Upper

152 100

115 35.2 30.9 92.7

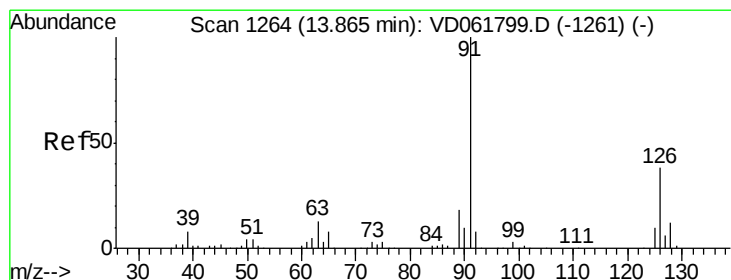
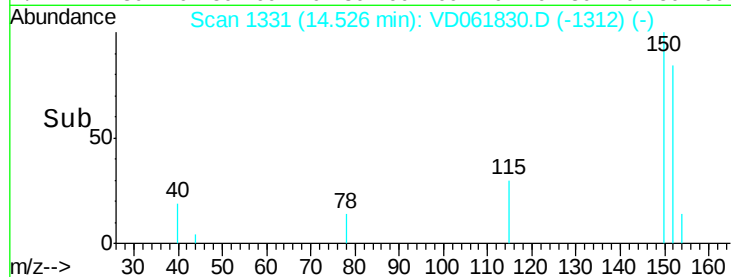
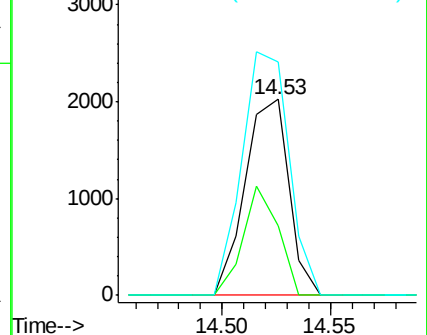
150 119.0 0.0 314.8



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



#79

2-Chlorotoluene

Concen: 1.629 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.08 min

Lab File: VD061830.D

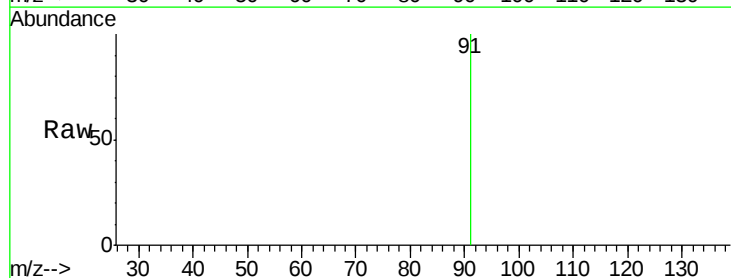
Acq: 17 Apr 2019 2:48

Tgt Ion: 91 Resp: 205

Ion Ratio Lower Upper

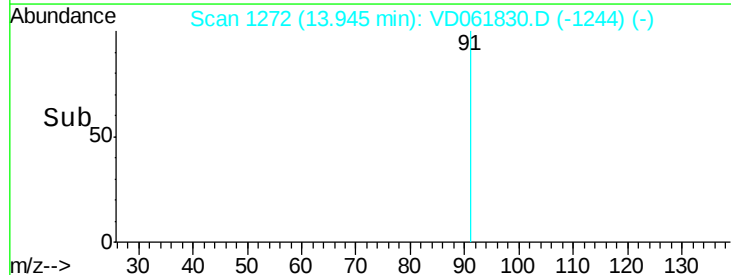
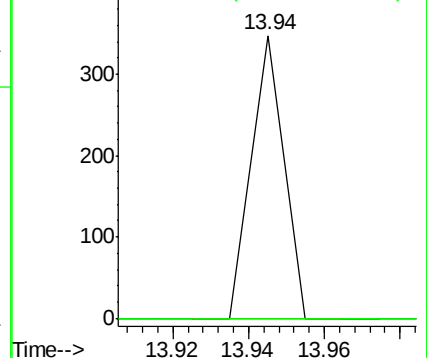
91 100

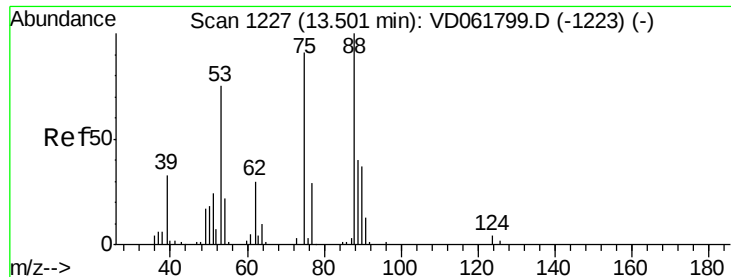
126 0.0 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.949 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.06 min

Lab File: VD061830.D

Acq: 17 Apr 2019 2:48

Instrument :

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ClientSampleId :

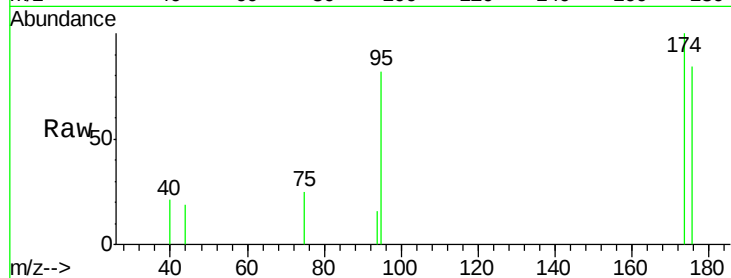
Tot Ion: 75 Resp: 585

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

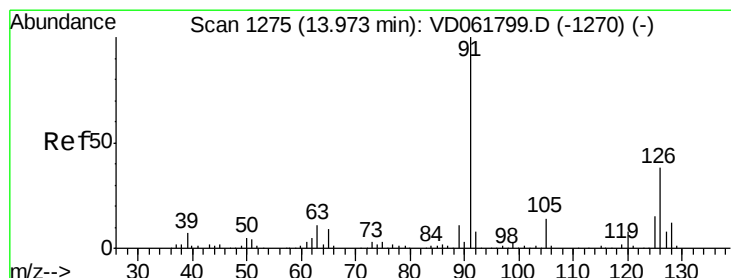
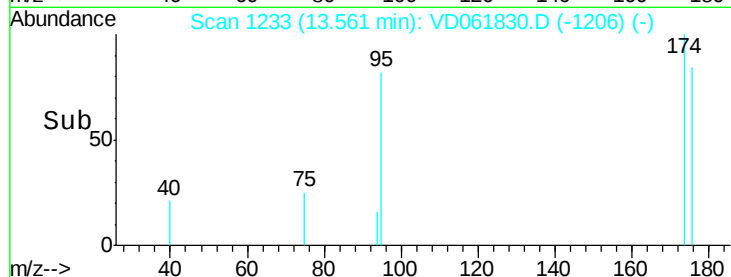
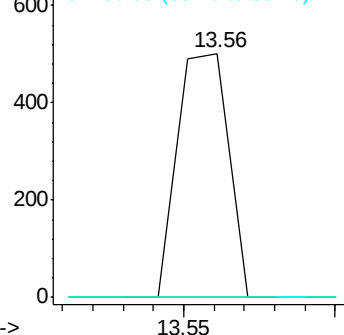
89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 1.423 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VD061830.D

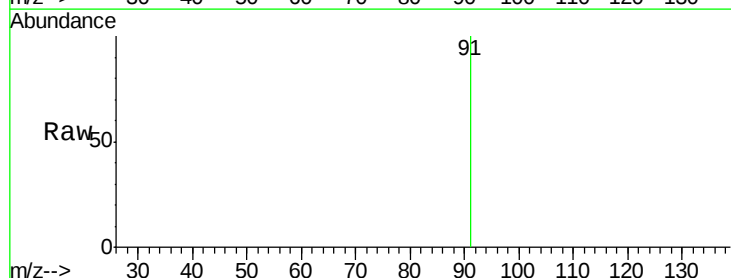
Acq: 17 Apr 2019 2:48

Tgt Ion: 91 Resp: 205

Ion Ratio Lower Upper

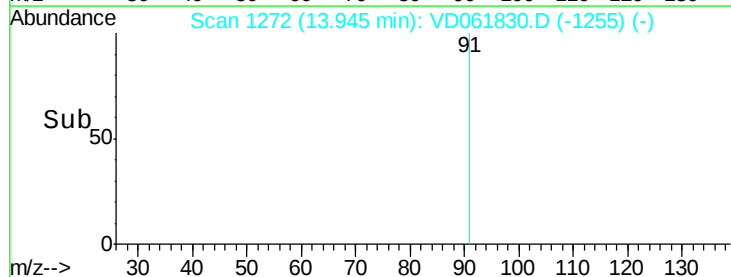
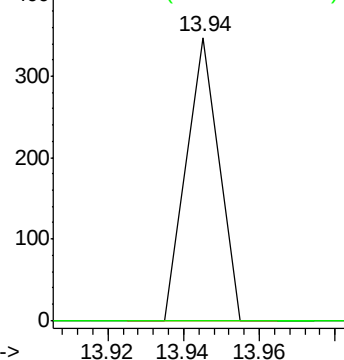
91 100

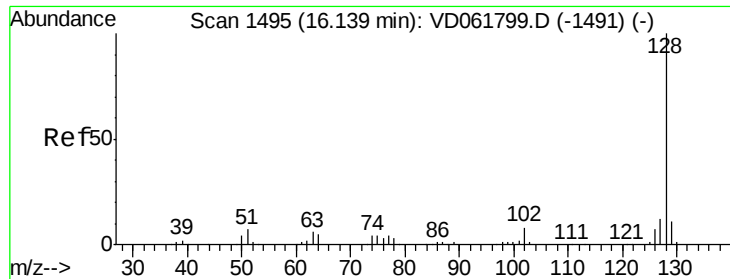
126 0.0 19.1 57.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#95

Naphthalene

Concen: 3.037 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.02 min

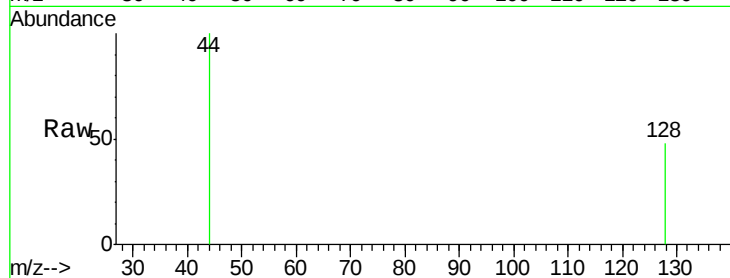
Lab File: VD061830.D

Acq: 17 Apr 2019 2:48

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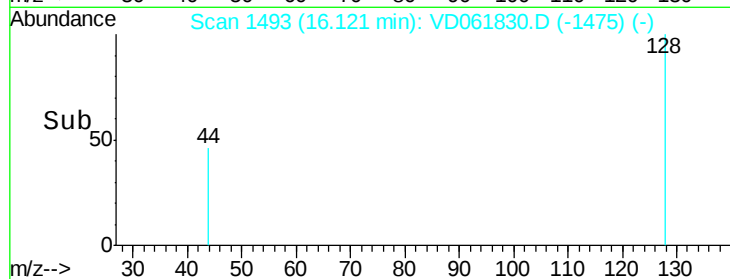
Tot Ion:128 Resp: 198

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

