

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061116.D
 Acq On : 16 Mar 2019 18:22
 Operator : VA/AP
 Sample : K1930-01
 Misc : 4.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

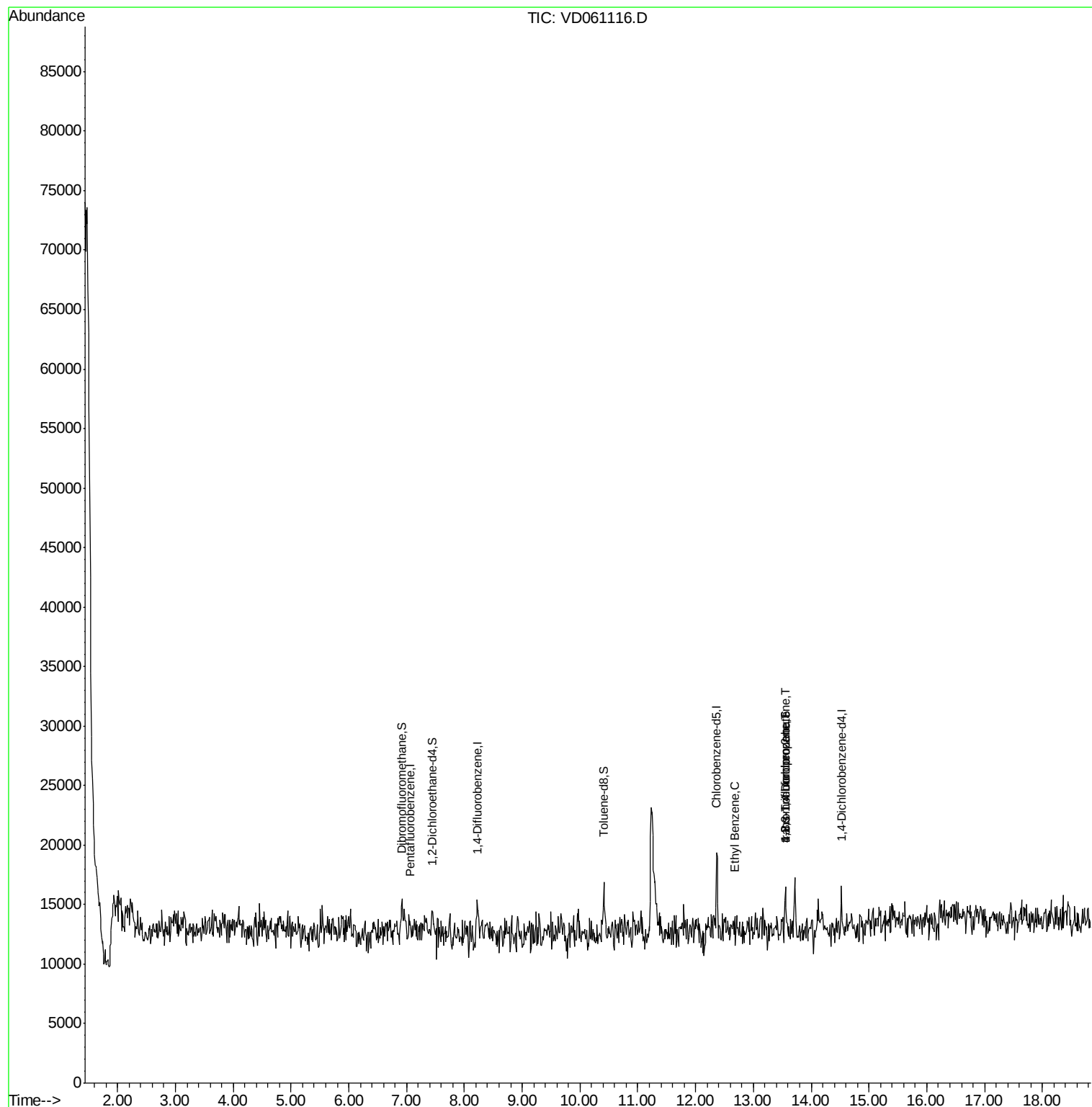
Quant Time: Mar 18 02:28:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	2693	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	6019	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	4803	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	1249	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	1271	56.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.40%	
35) Dibromofluoromethane	6.91	113	1797	40.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	80.46%	
50) Toluene-d8	10.42	98	5260	46.89	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.78%	
62) 4-Bromofluorobenzene	13.56	95	1584	36.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.78%	
Target Compounds						
67) Ethyl Benzene	12.67	91	184	1.313	ug/l #	43
76) 1,2,3-Trichloropropane	13.56	75	326	18.142	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	326	61.537	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061116.D

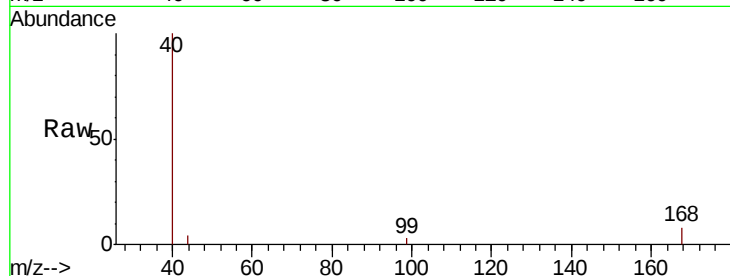
Acq: 16 Mar 2019 18:22

Tgt Ion: 168 Resp: 2693

Ion Ratio Lower Upper

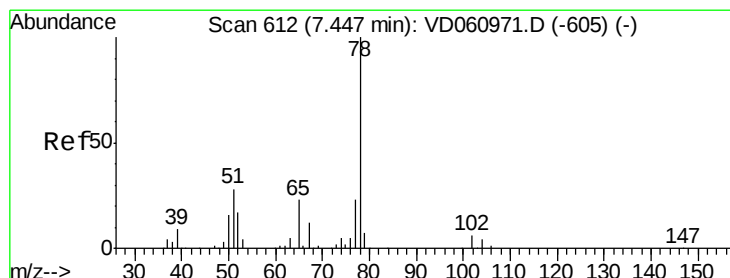
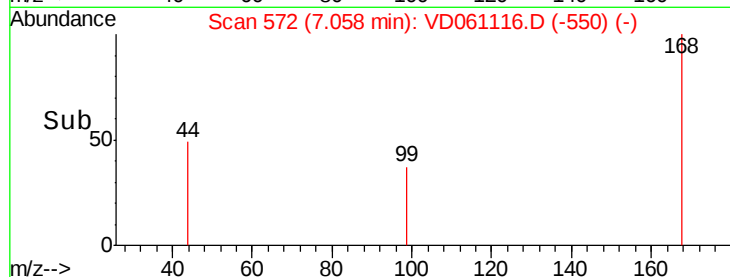
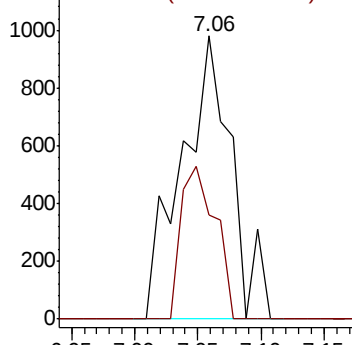
168 100

99 36.9 47.3 70.9#



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. 0.01 min

Lab File: VD061116.D

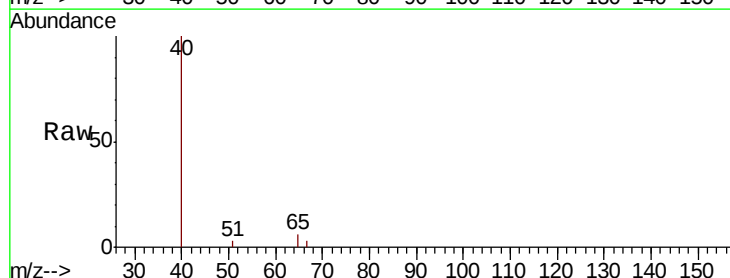
Acq: 16 Mar 2019 18:22

Tgt Ion: 65 Resp: 1271

Ion Ratio Lower Upper

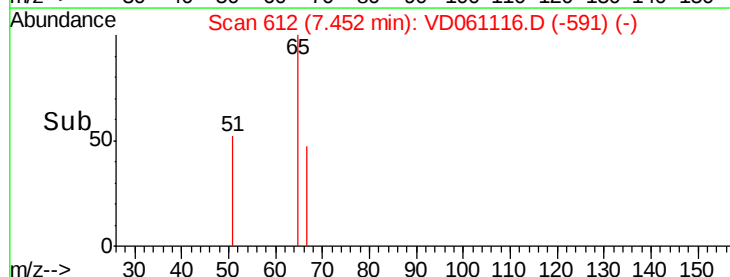
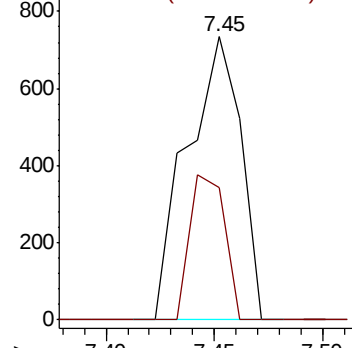
65 100

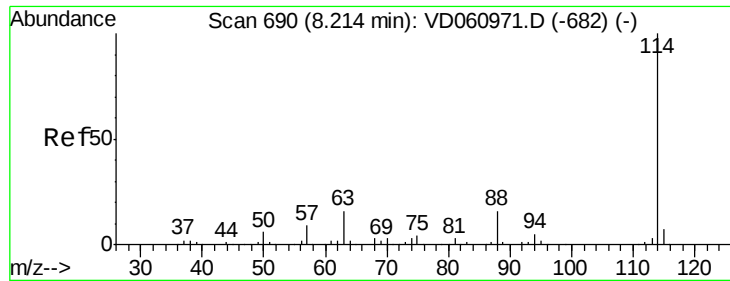
67 46.7 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

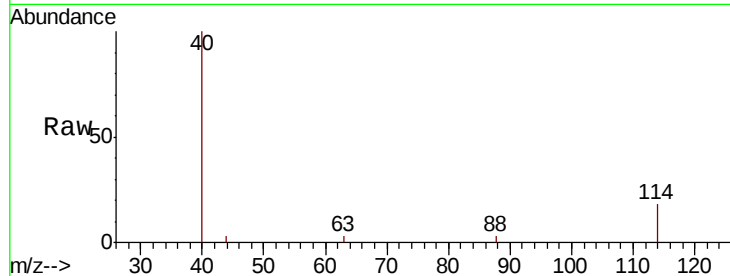
Ion 66.90 (66.60 to 67.60): VDC



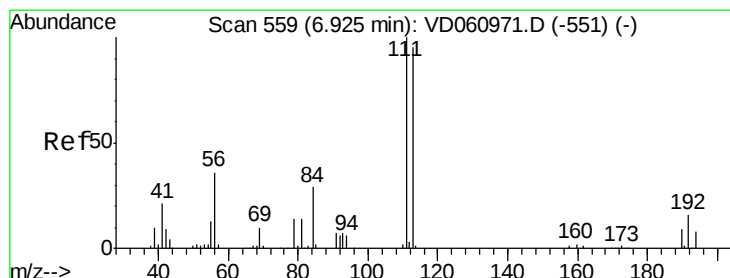
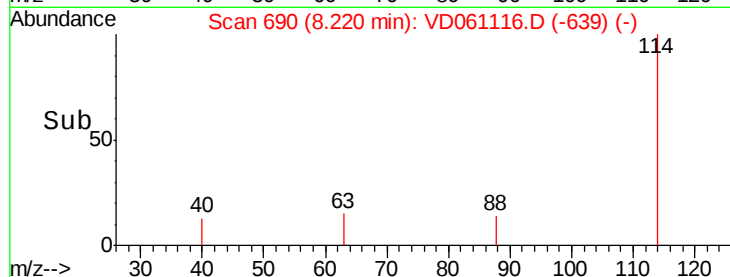
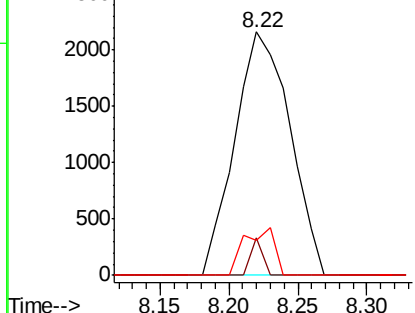


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD061116.D
 Acq: 16 Mar 2019 18:22

Tgt Ion:114 Resp: 6019
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.4
 88 14.5 0.0 33.0

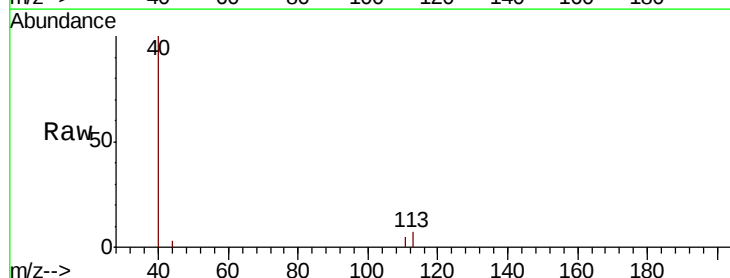


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

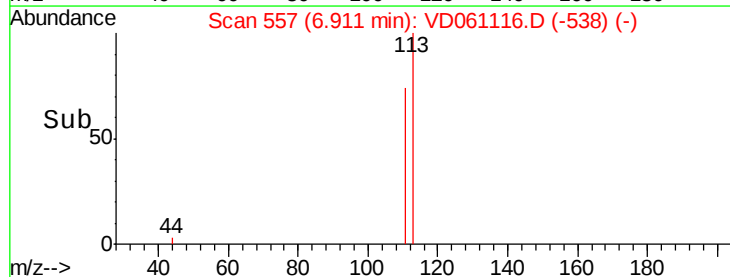
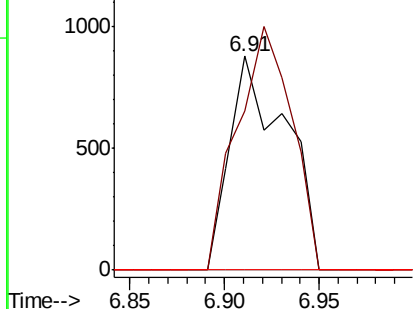


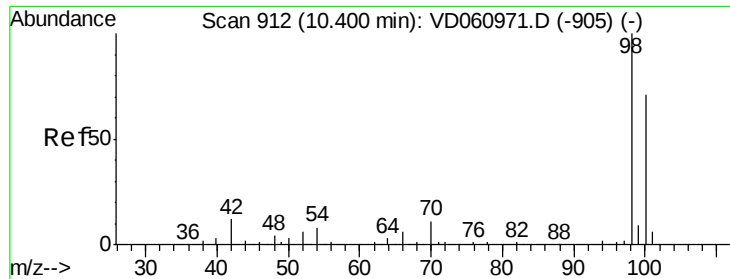
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD061116.D
 Acq: 16 Mar 2019 18:22

Tgt Ion:113 Resp: 1797
 Ion Ratio Lower Upper
 113 100
 111 74.4 84.2 126.4#
 192 0.0 13.1 19.7#



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# 913

Delta R.T. 0.02 min

Lab File: VD061116.D

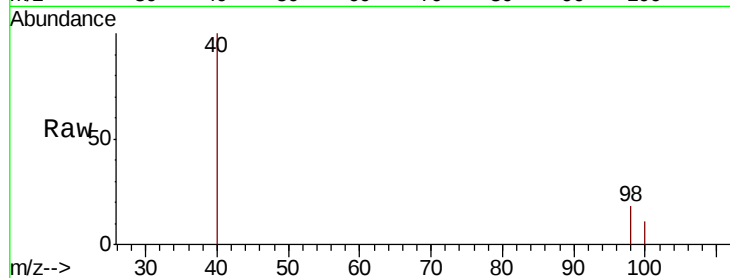
Acq: 16 Mar 2019 18:22

Tgt Ion: 98 Resp: 5260

Ion Ratio Lower Upper

98 100

100 64.0 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.42

2500

2000

1500

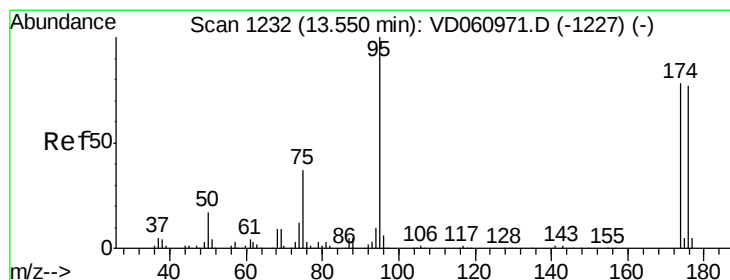
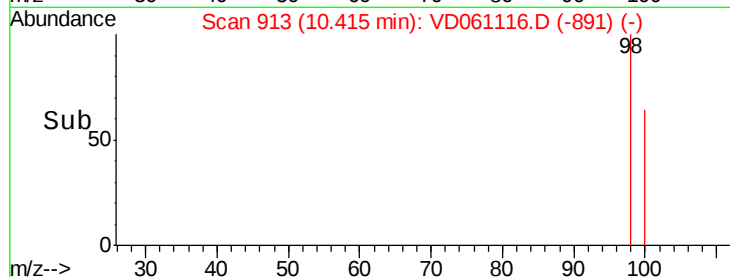
1000

500

0

Time-->

10.35 10.40 10.45



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061116.D

Acq: 16 Mar 2019 18:22

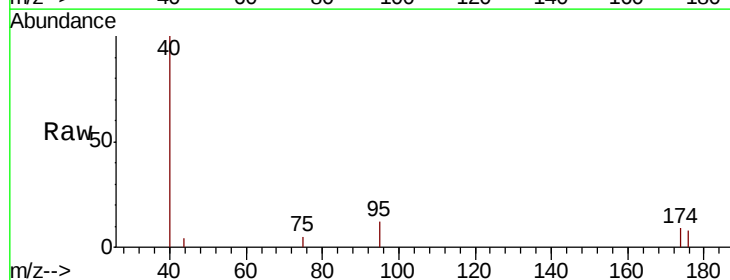
Tgt Ion: 95 Resp: 1584

Ion Ratio Lower Upper

95 100

174 76.9 0.0 155.6

176 65.4 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

2000

1500

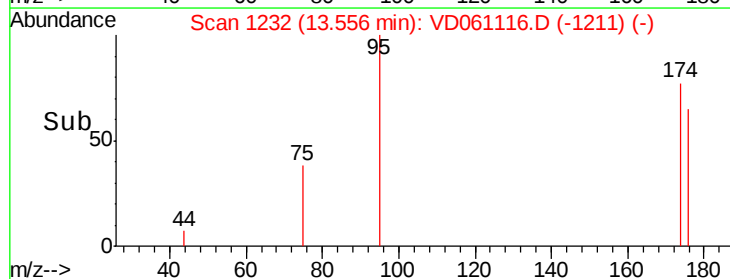
1000

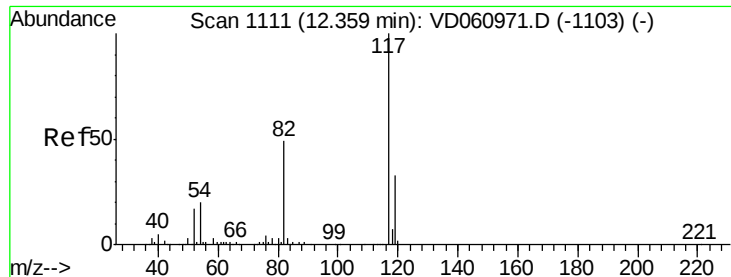
500

0

Time-->

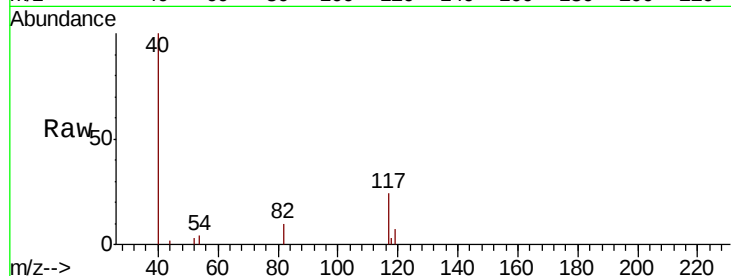
13.50 13.55 13.60



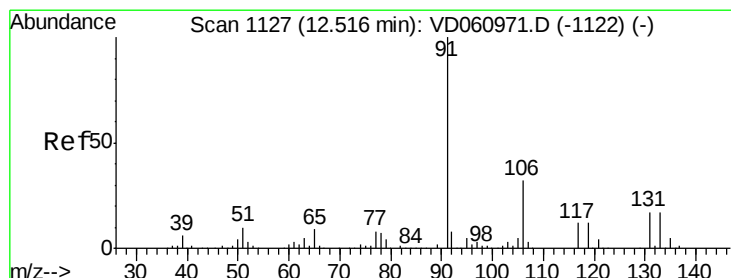
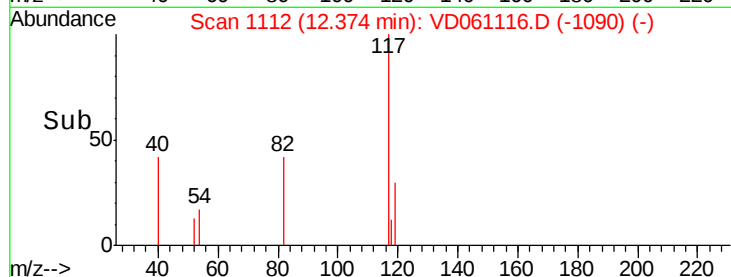
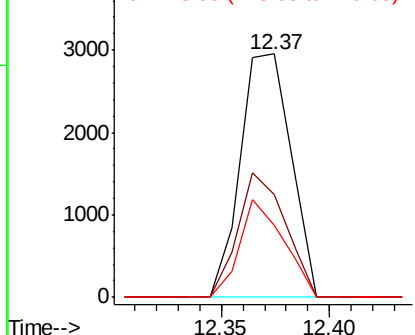


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061116.D
Acq: 16 Mar 2019 18:22

Tgt Ion: 117 Resp: 4803
Ion Ratio Lower Upper
117 100
82 42.4 38.9 58.3
119 29.8 26.6 39.8

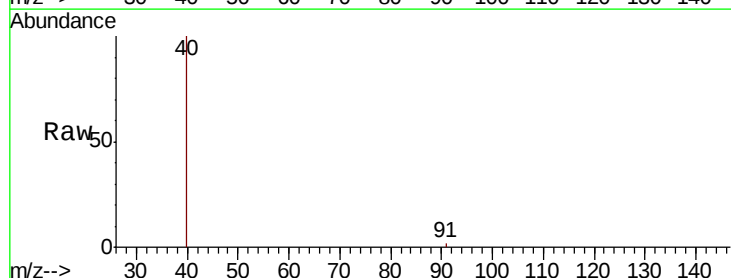


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

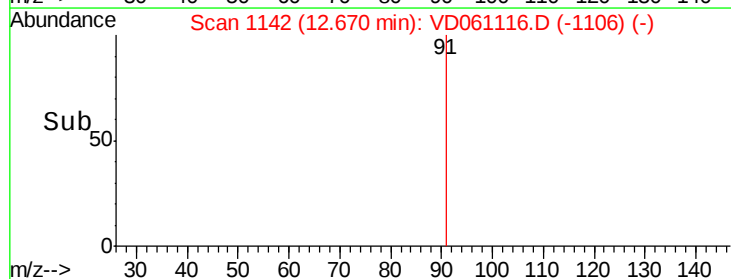
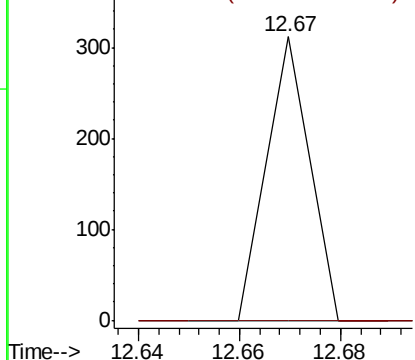


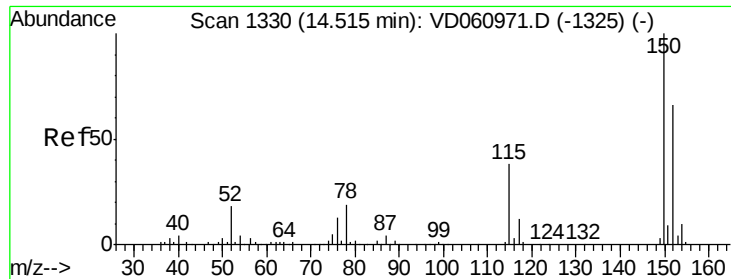
#67
Ethyl Benzene
Concen: 1.313 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.15 min
Lab File: VD061116.D
Acq: 16 Mar 2019 18:22

Tgt Ion: 91 Resp: 184
Ion Ratio Lower Upper
91 100
106 0.0 25.7 38.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

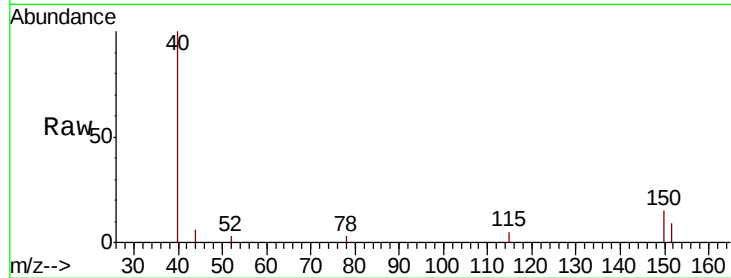




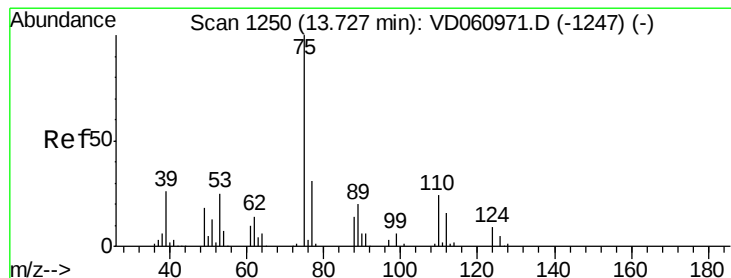
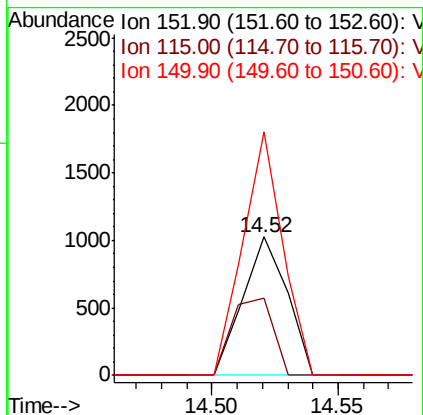
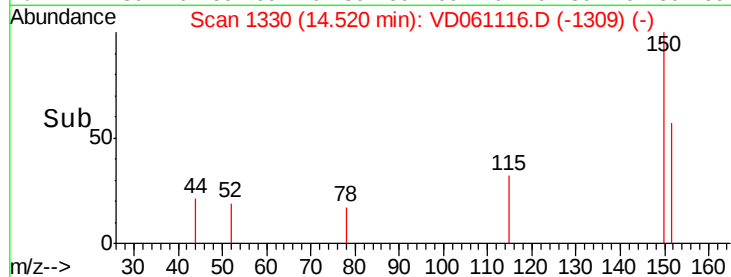
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061116.D
Acq: 16 Mar 2019 18:22

Tgt Ion: 152 Resp: 1249
Ion Ratio Lower Upper
152 100
115 56.3 28.6 85.9
150 176.0 0.0 310.6



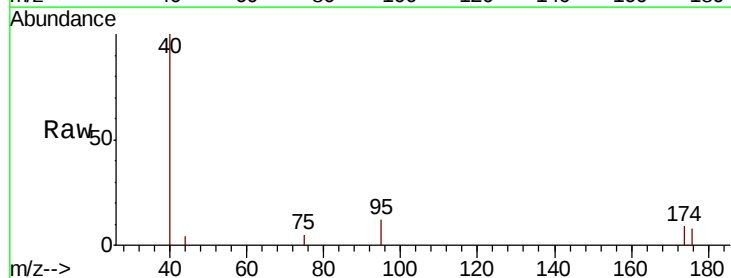
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



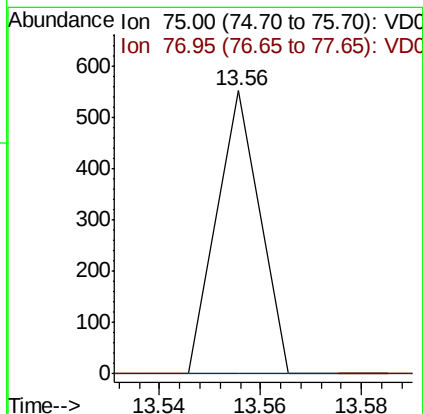
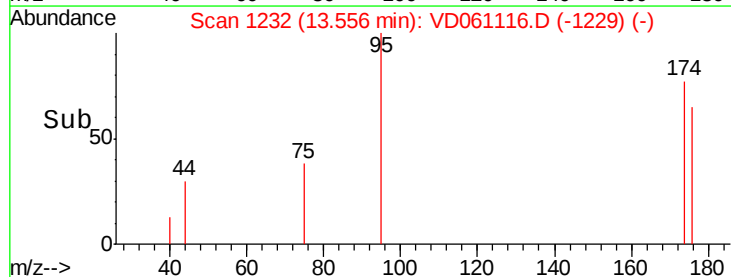
#76

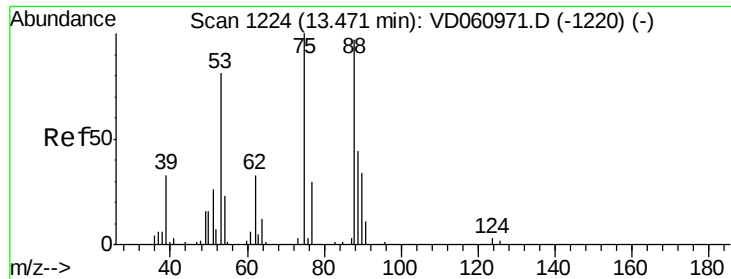
1,2,3-Trichloropropane
Concen: 18.142 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.17 min
Lab File: VD061116.D
Acq: 16 Mar 2019 18:22

Tgt Ion: 75 Resp: 326
Ion Ratio Lower Upper
75 100
77 0.0 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.537 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061116.D
 Acq: 16 Mar 2019 18:22

Tgt Ion: 75 Resp: 326
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

