

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061047.D
 Acq On : 13 Mar 2019 17:30
 Operator : VA/AP
 Sample : K1847-07
 Misc : 5.67g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

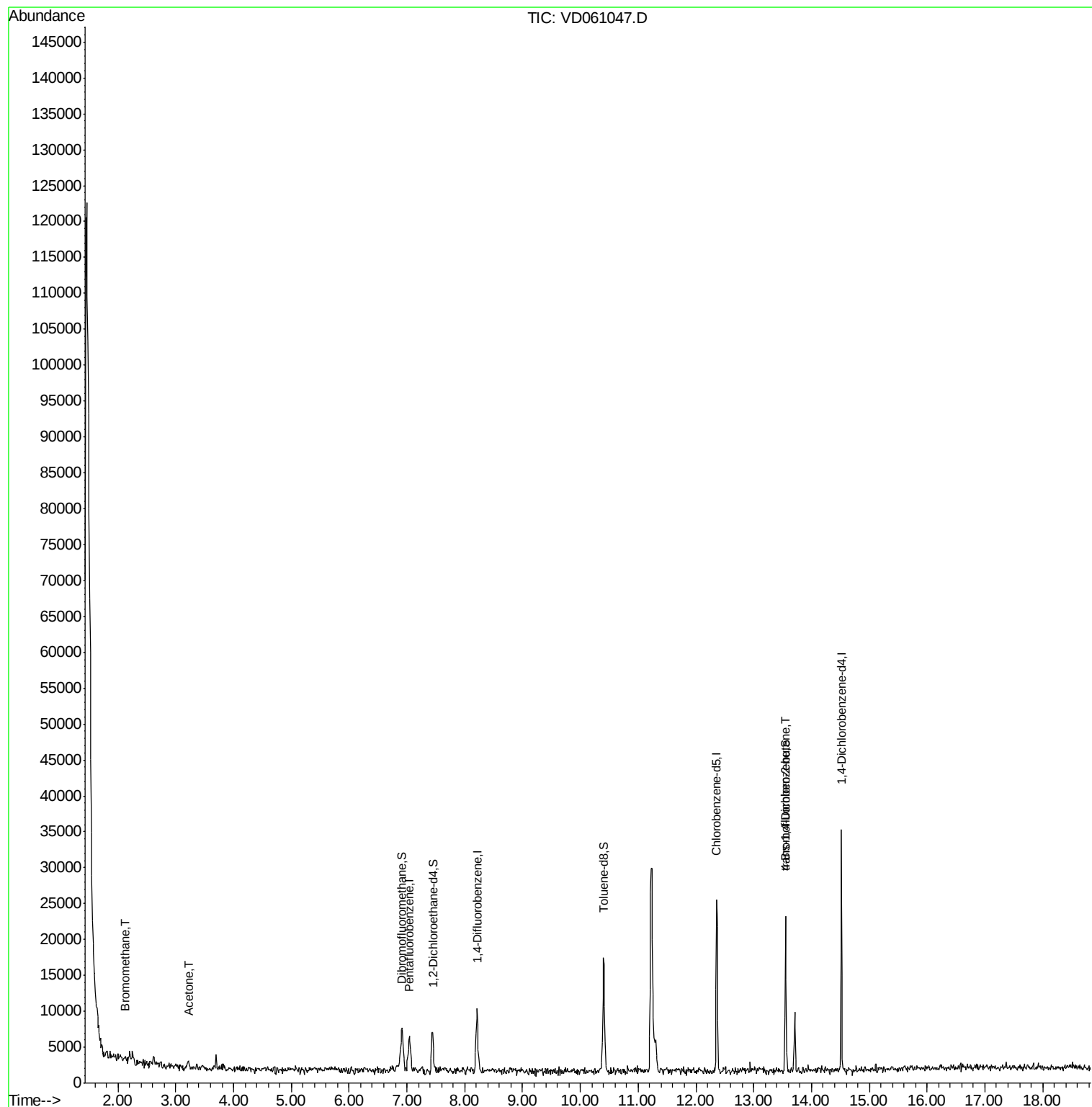
Quant Time: Mar 14 03:19:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

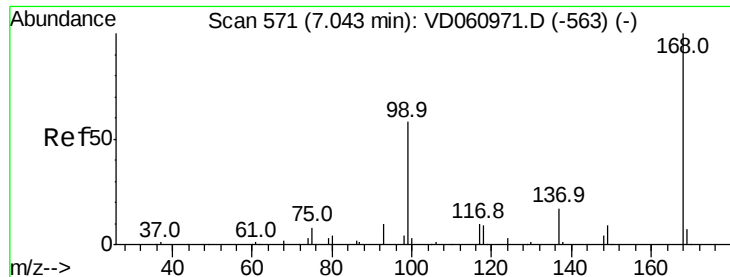
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	8568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	15844	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	16211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	7487	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	6200	86.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	173.86%	
35) Dibromofluoromethane	6.92	113	7075	60.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.34%	
50) Toluene-d8	10.40	98	16464	55.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.52%	
62) 4-Bromofluorobenzene	13.55	95	7018	61.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.50%	
Target Compounds						
5) Bromomethane	2.12	94	415	33.452	ug/l #	8
16) Acetone	3.21	43	1620	79.434	ug/l #	48
20) Methylene Chloride	3.80	84	187	Below Cal	#	60
81) trans-1,4-Dichloro-2-buten	13.55	75	2281	71.828	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061047.D

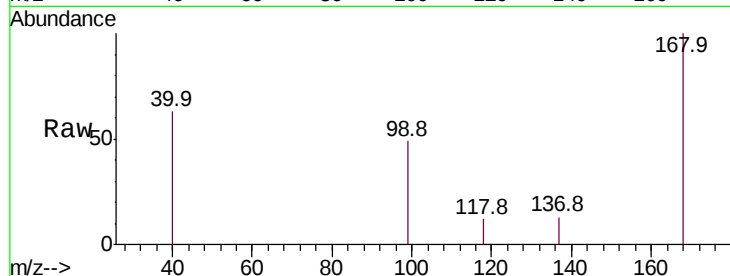
Acq: 13 Mar 2019 17:30

Tot Ion:168 Resp: 8568

Ion Ratio Lower Upper

168 100

99 48.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

3000

2500

2000

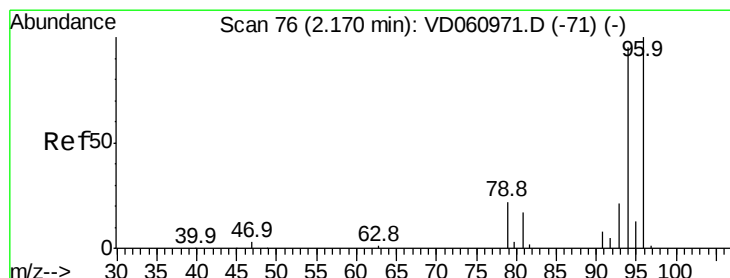
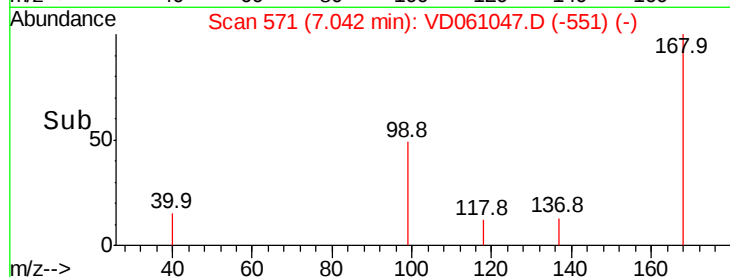
1500

1000

500

0

Time-->



#5

Bromomethane

Concen: 33.452 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.05 min

Lab File: VD061047.D

Acq: 13 Mar 2019 17:30

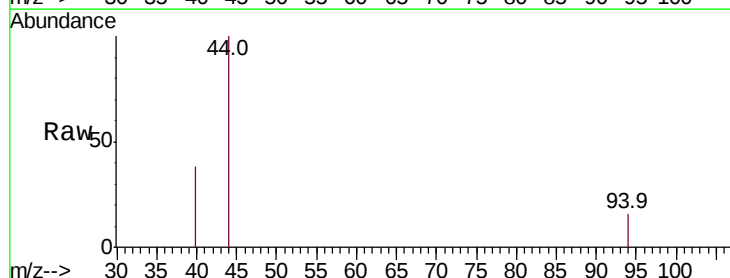
Tgt Ion: 94 Resp: 415

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

93 0.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

500

400

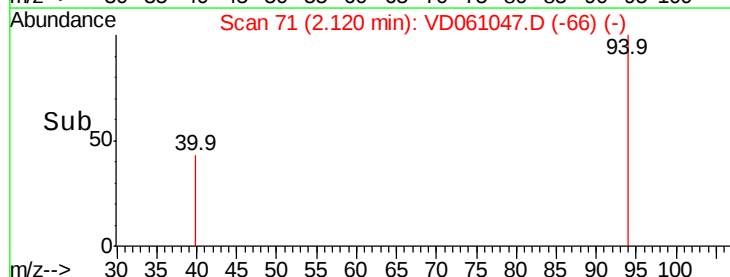
300

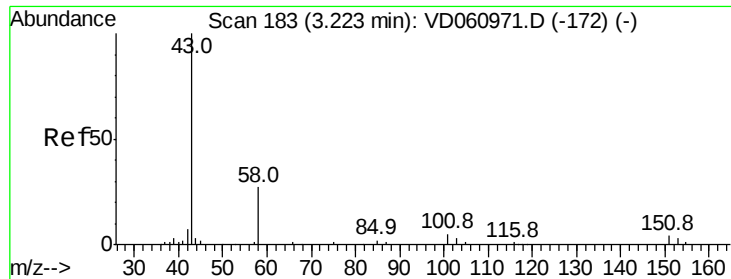
200

100

0

Time-->





#16

Acetone

Concen: 79.434 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061047.D

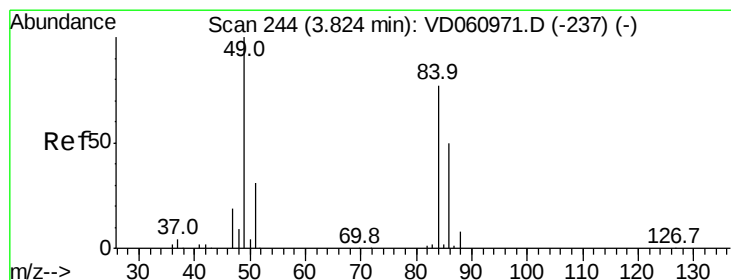
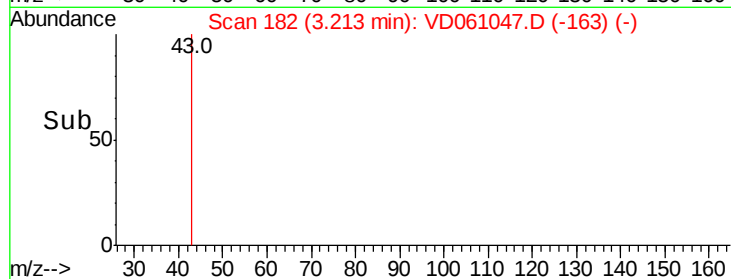
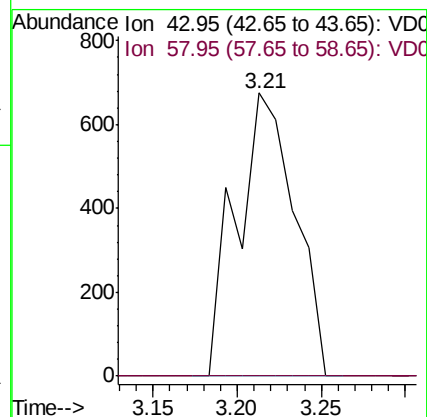
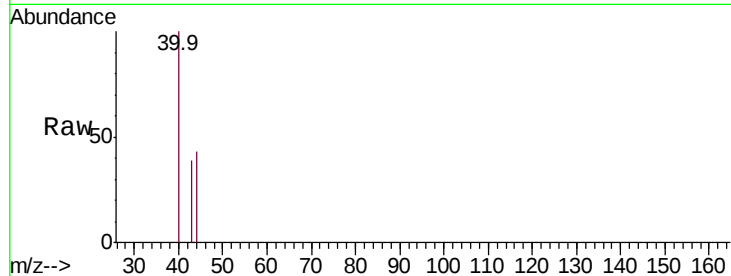
Acq: 13 Mar 2019 17:30

Tot Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

58 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 3.80 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD061047.D

Acq: 13 Mar 2019 17:30

Tgt Ion: 84 Resp: 187

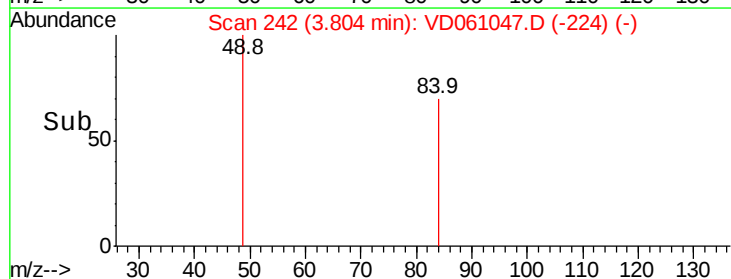
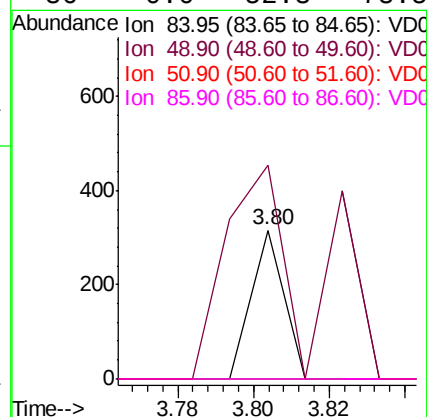
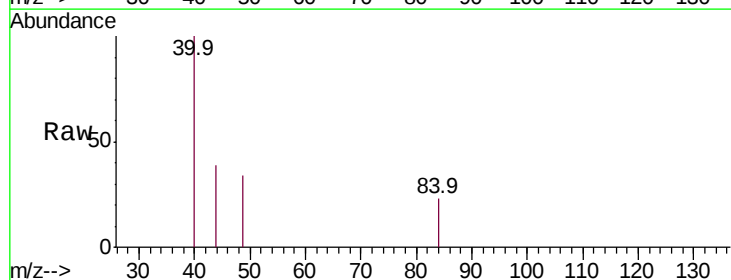
Ion Ratio Lower Upper

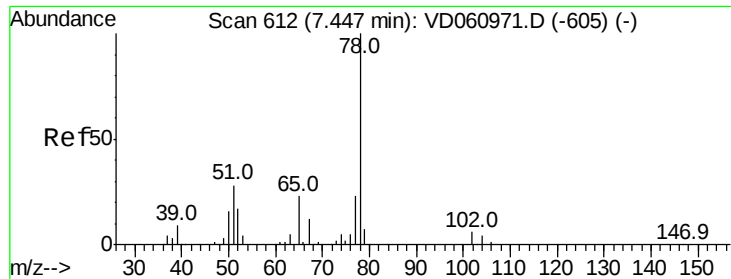
84 100

49 143.7 104.2 156.2

51 0.0 32.3 48.5#

86 0.0 52.3 78.5#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061047.D

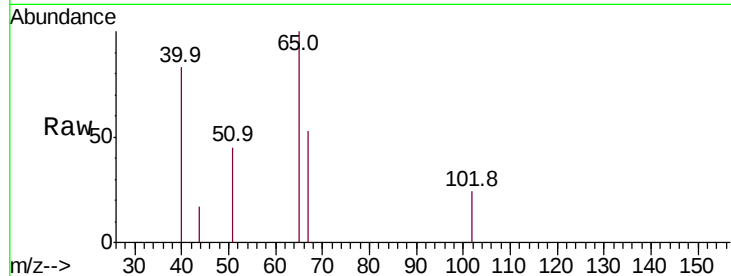
Acq: 13 Mar 2019 17:30

Tot Ion: 65 Resp: 6200

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

2000

1500

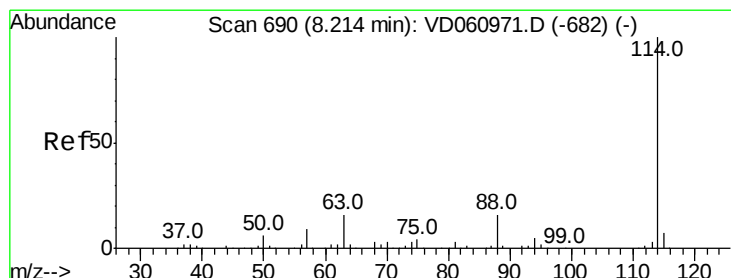
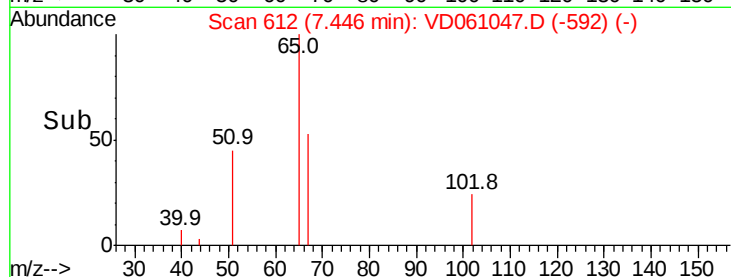
1000

500

0

7.35 7.40 7.45 7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061047.D

Acq: 13 Mar 2019 17:30

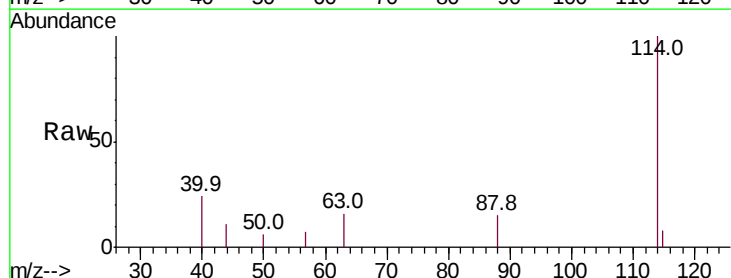
Tgt Ion: 114 Resp: 15844

Ion Ratio Lower Upper

114 100

63 16.1 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): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

6000

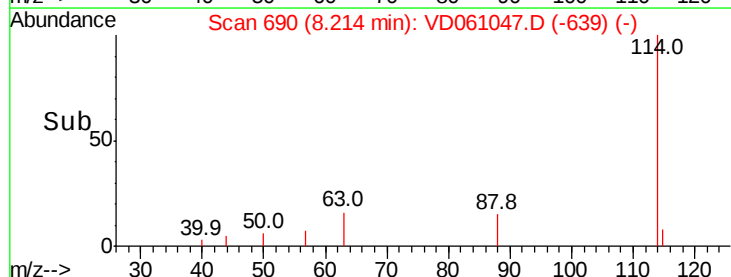
4000

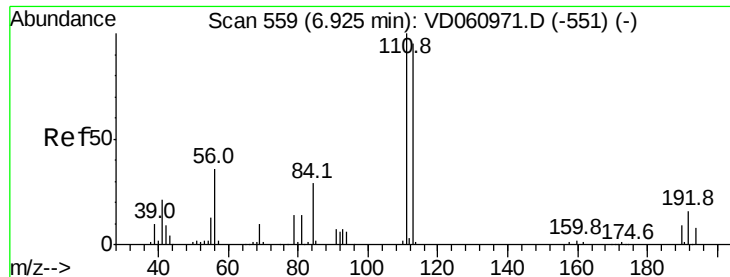
2000

0

8.10 8.15 8.20 8.25 8.30

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061047.D

Acq: 13 Mar 2019 17:30

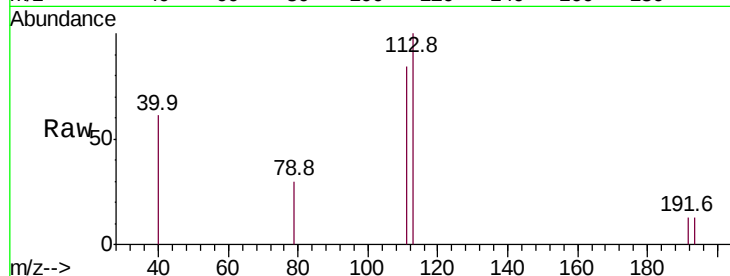
Tot Ion:113 Resp: 7075

Ion Ratio Lower Upper

113 100

111 83.6 84.2 126.4#

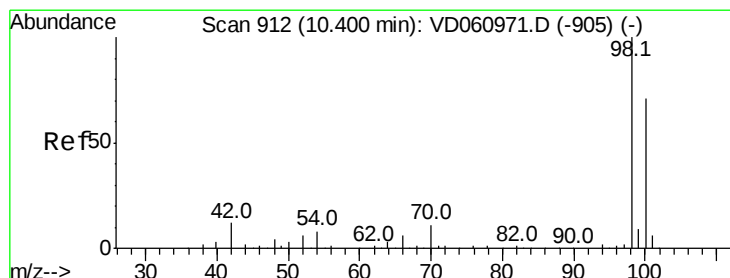
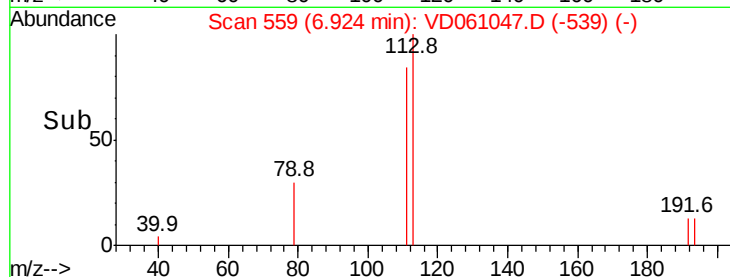
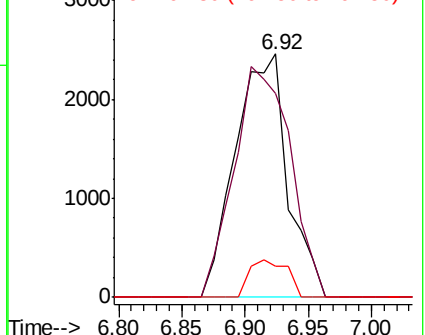
192 12.8 13.1 19.7#



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: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061047.D

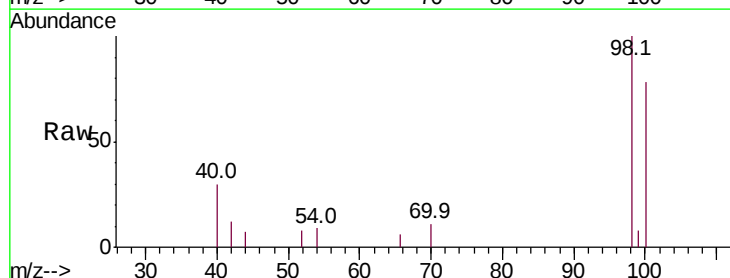
Acq: 13 Mar 2019 17:30

Tgt Ion: 98 Resp: 16464

Ion Ratio Lower Upper

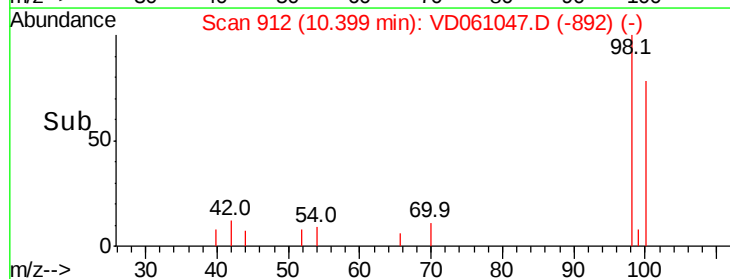
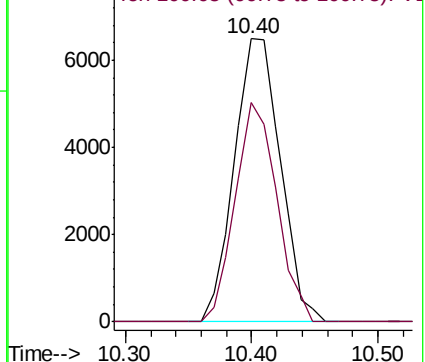
98 100

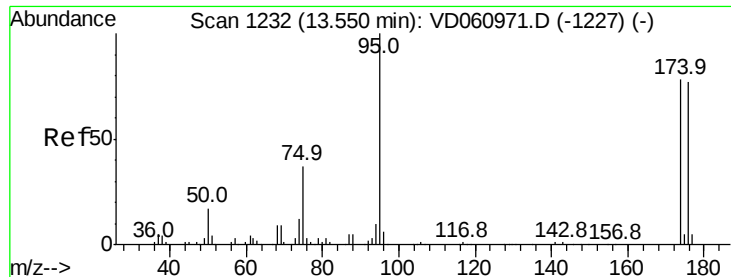
100 77.7 57.4 86.2



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: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061047.D

Acq: 13 Mar 2019 17:30

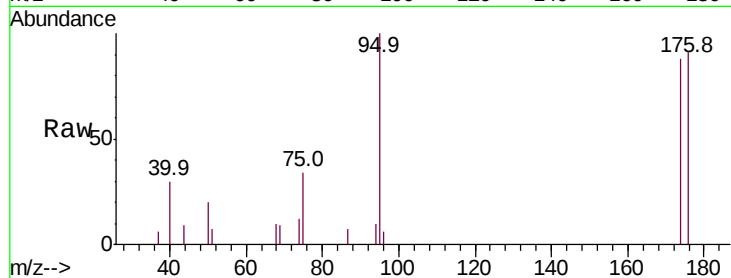
Tot Ion: 95 Resp: 7018

Ion Ratio Lower Upper

95 100

174 87.6 0.0 155.6

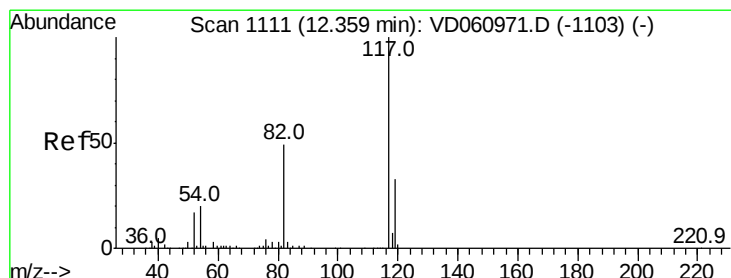
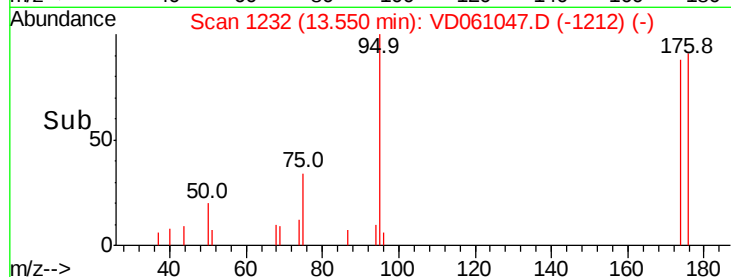
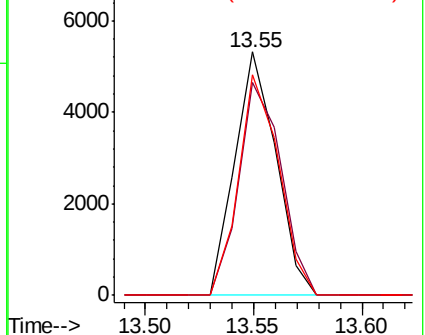
176 90.6 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061047.D

Acq: 13 Mar 2019 17:30

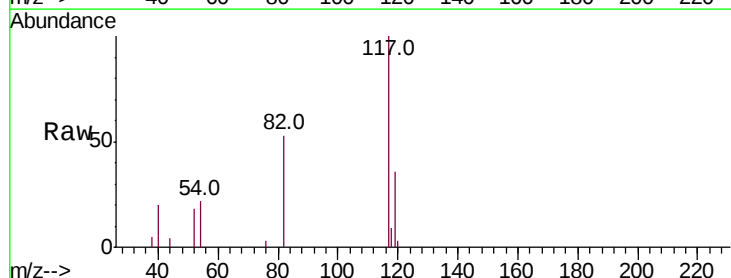
Tgt Ion: 117 Resp: 16211

Ion Ratio Lower Upper

117 100

82 52.8 38.9 58.3

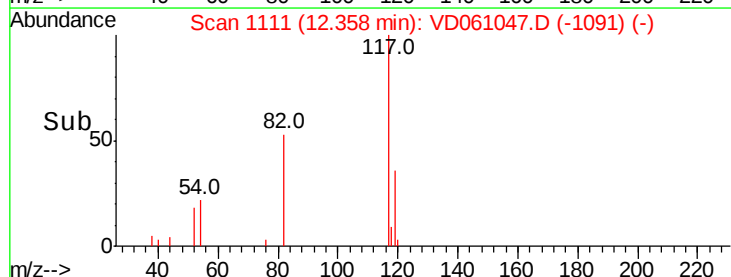
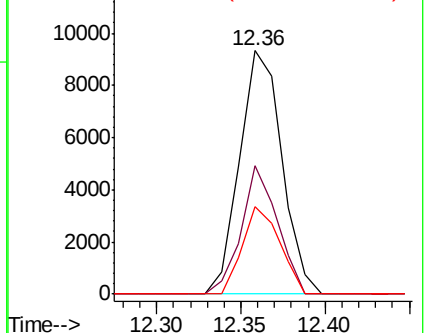
119 35.7 26.6 39.8

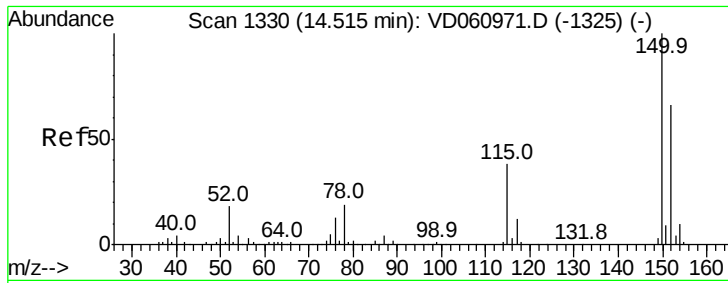


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

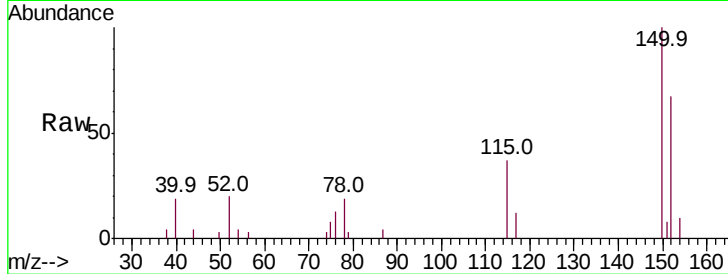




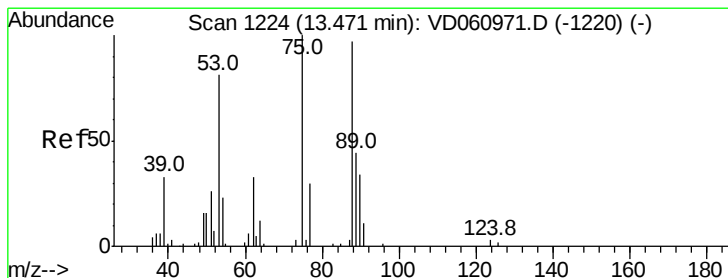
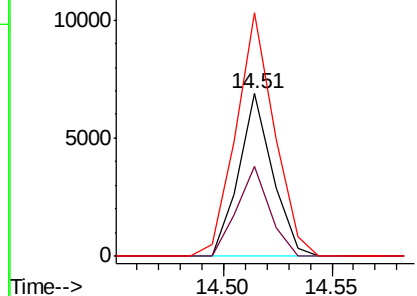
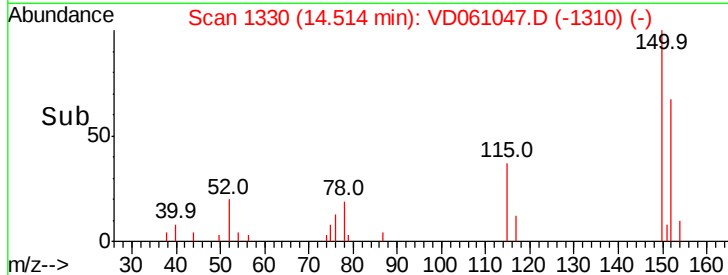
#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD061047.D
 Acq: 13 Mar 2019 17:30

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.6	85.9
150	149.9	0.0	310.6



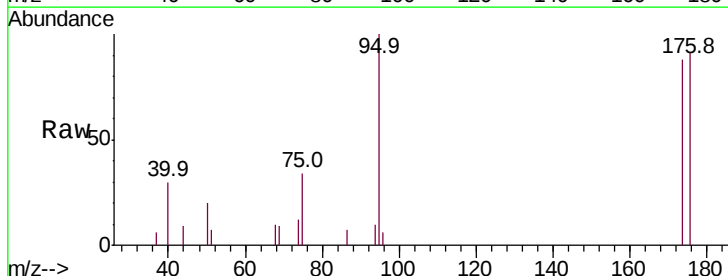
Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
 Concen: 71.828 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061047.D
 Acq: 13 Mar 2019 17:30

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



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

