

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061048.D
 Acq On : 13 Mar 2019 17:58
 Operator : VA/AP
 Sample : K1847-10RE
 Misc : 6.557g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

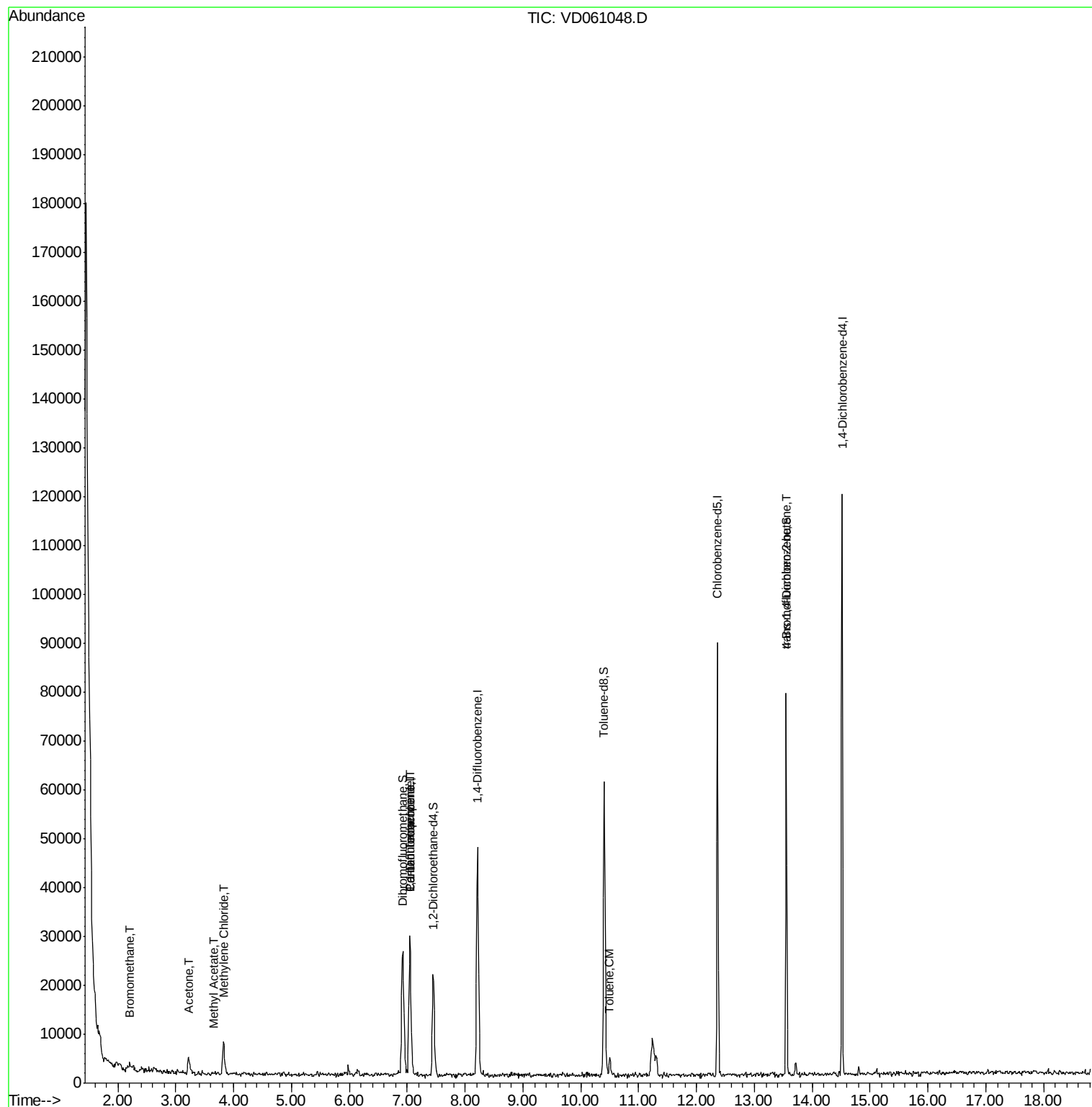
Quant Time: Mar 14 02:02:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	30457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	60266	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	55079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	27153	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	21282	83.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	167.90%	
35) Dibromofluoromethane	6.92	113	25045	56.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.00%	
50) Toluene-d8	10.40	98	56819	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	13.55	95	24119	55.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.68%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.19	94	574	11.616	ug/l #	8
16) Acetone	3.22	43	6442	88.860	ug/l #	85
18) Methyl Acetate	3.67	43	182	1.276	ug/l #	59
20) Methylene Chloride	3.83	84	4889	11.168	ug/l #	72
36) 1,1-Dichloropropene	7.04	75	2030	3.908	ug/l #	39
38) Carbon Tetrachloride	7.05	117	2906	5.078	ug/l #	11
52) Toluene	10.50	92	2160	2.676	ug/l #	74
81) trans-1,4-Dichloro-2-buten	13.55	75	8843	76.782	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: VD061048.D

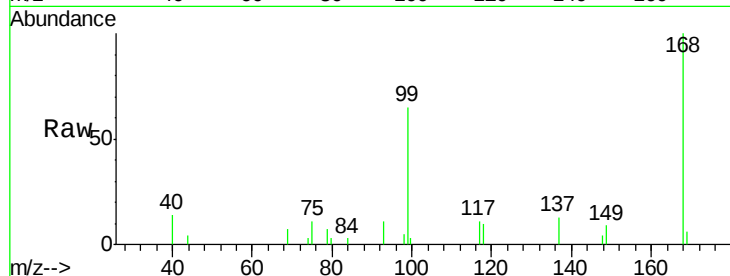
Acq: 13 Mar 2019 17:58

Tot Ion:168 Resp: 30457

Ion Ratio Lower Upper

168 100

99 65.2 47.3 70.9

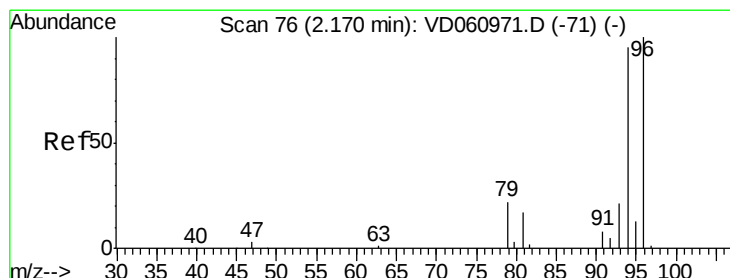
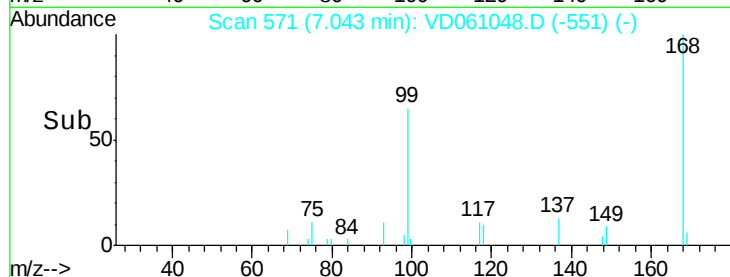


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

Time-->



#5

Bromomethane

Concen: 11.616 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.02 min

Lab File: VD061048.D

Acq: 13 Mar 2019 17:58

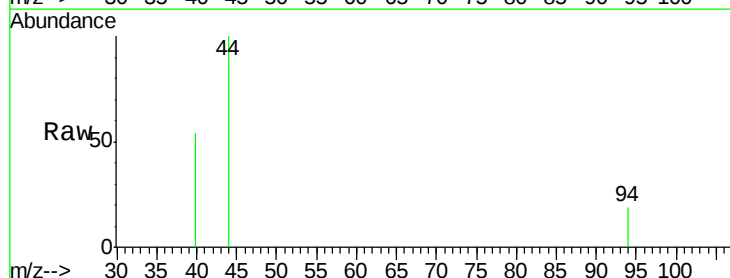
Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

93 0.0 17.3 25.9#



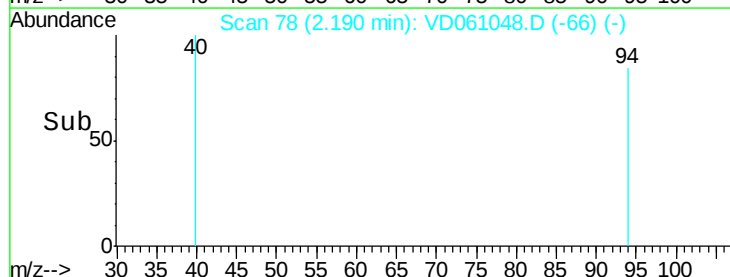
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.19

Time-->





#16

Acetone

Concen: 88.860 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061048.D

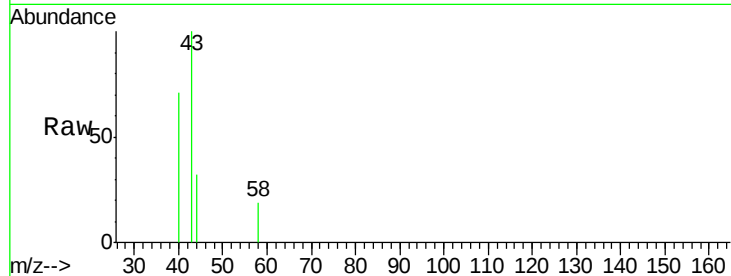
Acq: 13 Mar 2019 17:58

Tot Ion: 43 Resp: 6442

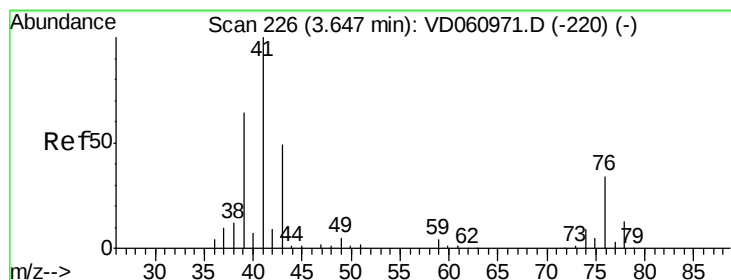
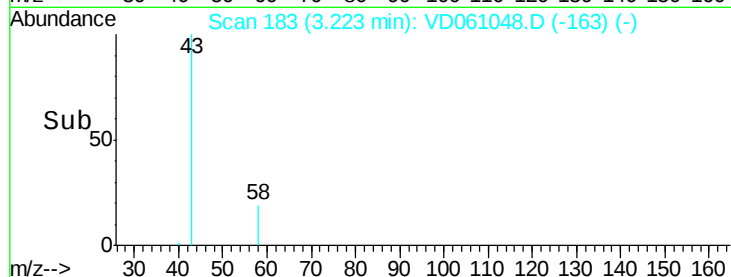
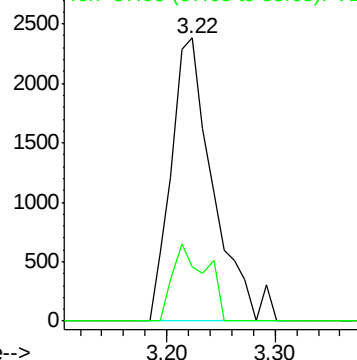
Ion Ratio Lower Upper

43 100

58 19.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.276 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VD061048.D

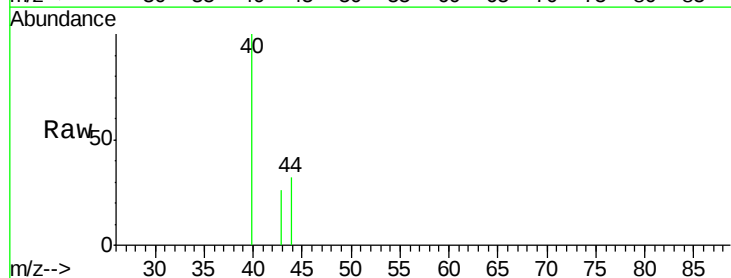
Acq: 13 Mar 2019 17:58

Tgt Ion: 43 Resp: 182

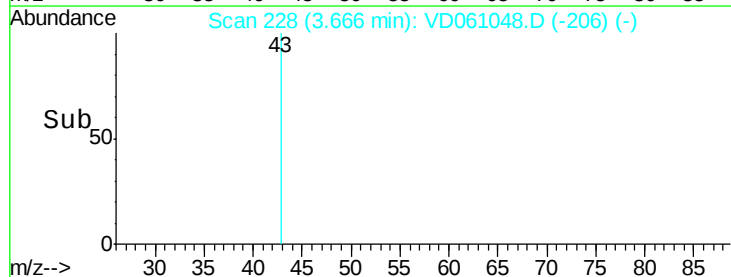
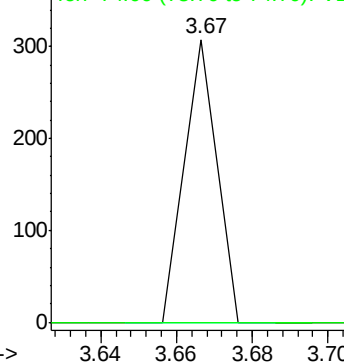
Ion Ratio Lower Upper

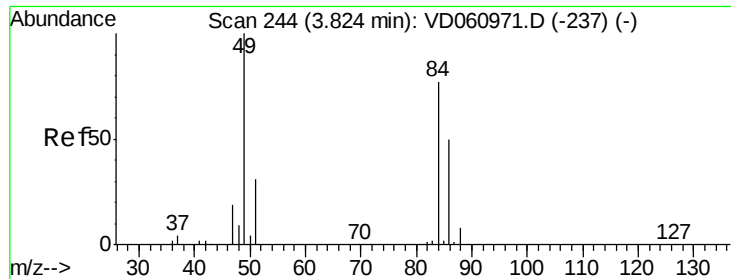
43 100

74 0.0 14.6 21.8#



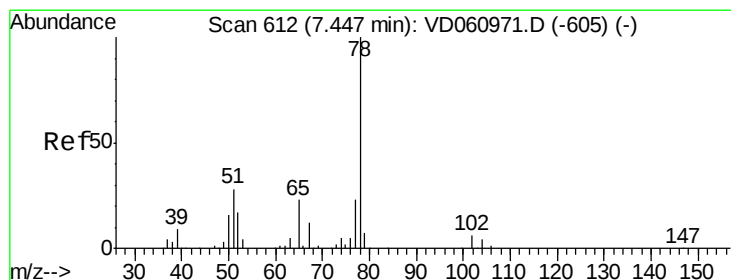
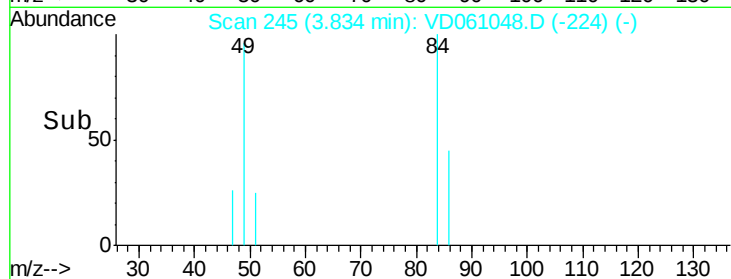
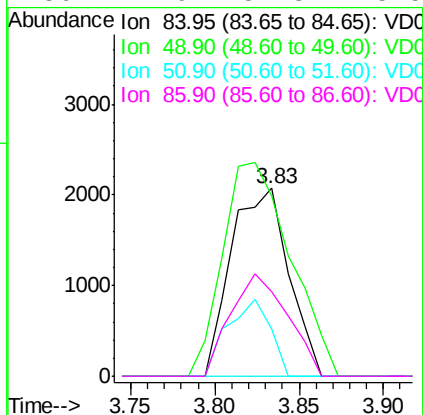
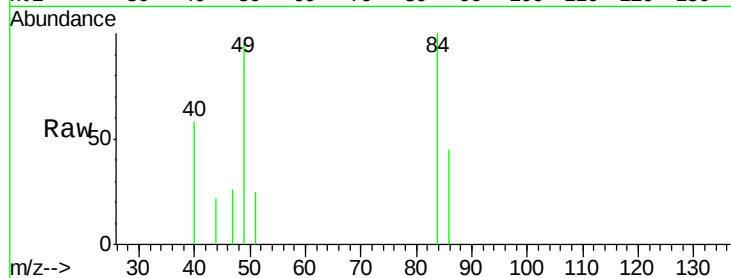
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





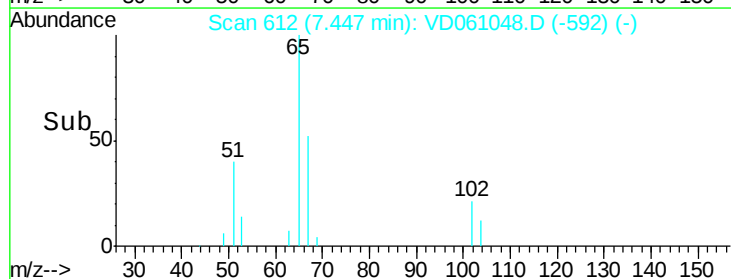
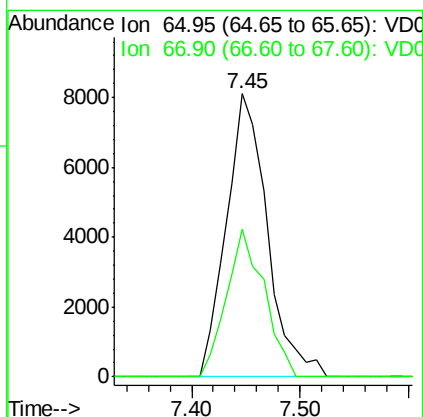
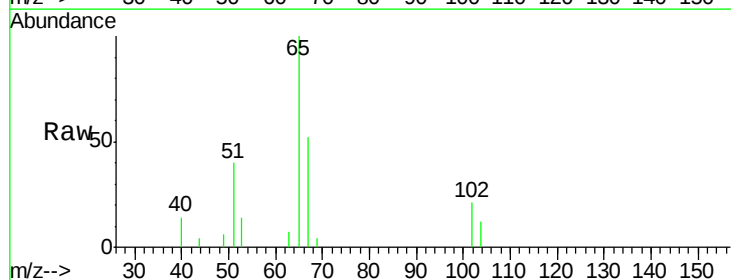
#20
Methylene Chloride
Concen: 11.168 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061048.D
Acq: 13 Mar 2019 17:58

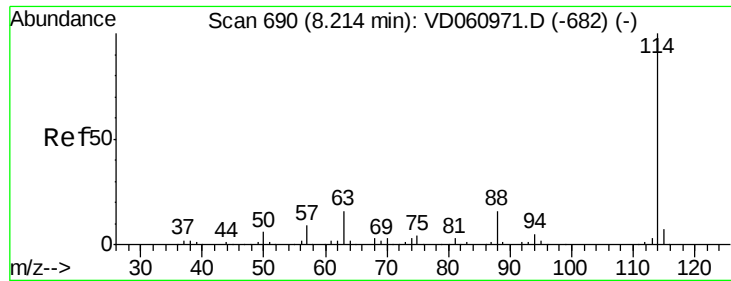
Tot Ion: 84 Resp: 4889
Ion Ratio Lower Upper
84 100
49 95.9 104.2 156.2#
51 24.9 32.3 48.5#
86 44.9 52.3 78.5#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD061048.D
Acq: 13 Mar 2019 17:58

Tgt Ion: 65 Resp: 21282
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061048.D

Acq: 13 Mar 2019 17:58

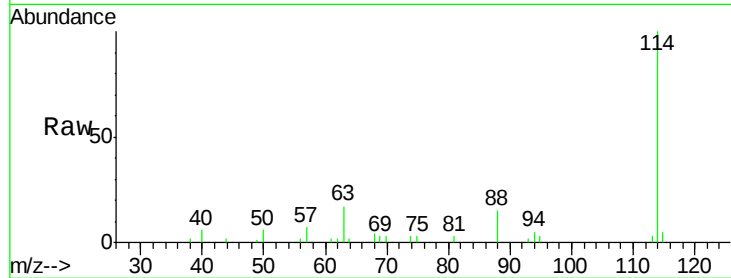
Tot Ion:114 Resp: 60266

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.4

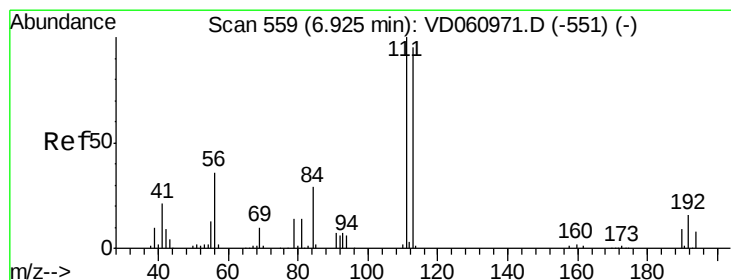
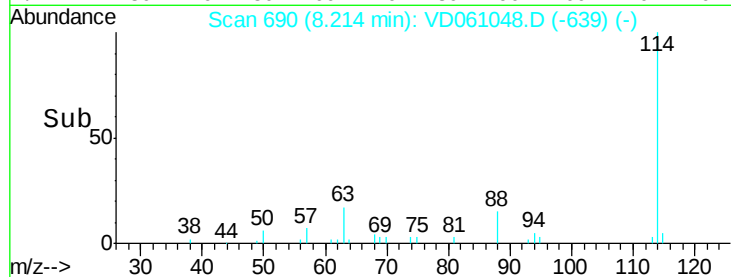
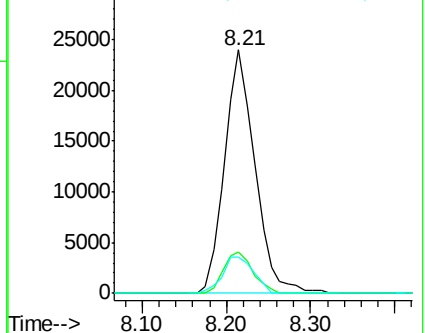
88 15.1 0.0 33.0



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: 6.92 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061048.D

Acq: 13 Mar 2019 17:58

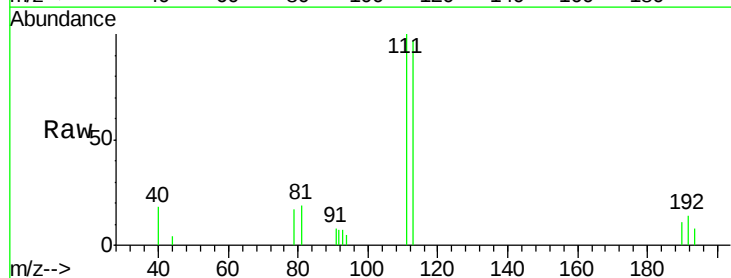
Tgt Ion:113 Resp: 25045

Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.4

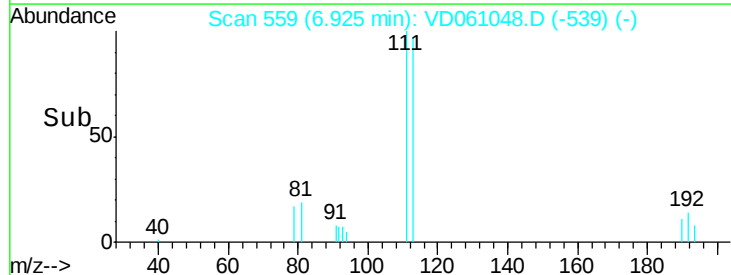
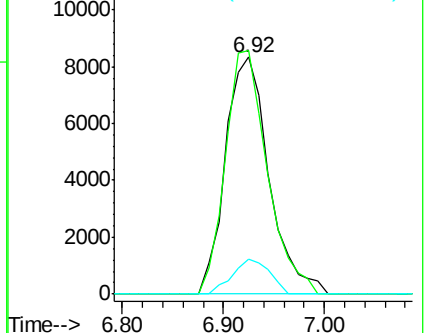
192 14.7 13.1 19.7

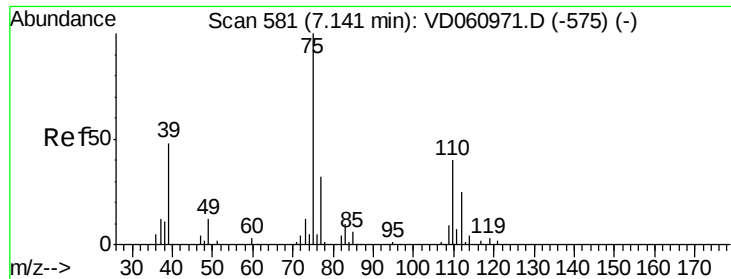


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.908 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061048.D

Acq: 13 Mar 2019 17:58

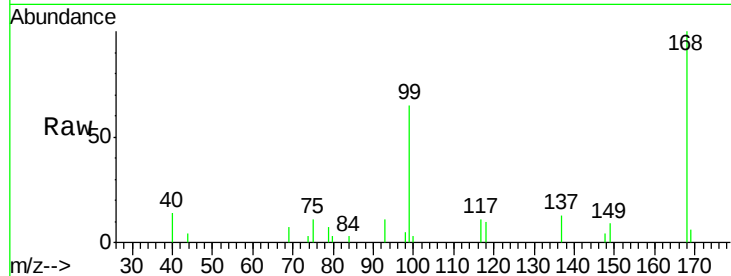
Tot Ion: 75 Resp: 2030

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

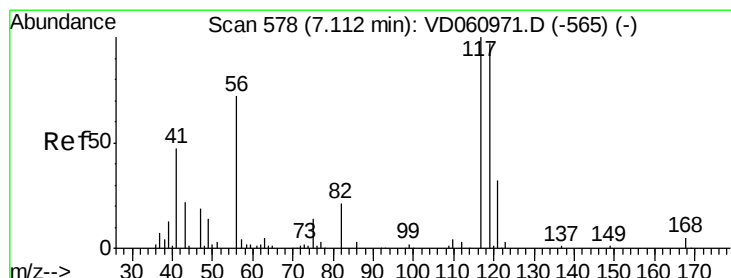
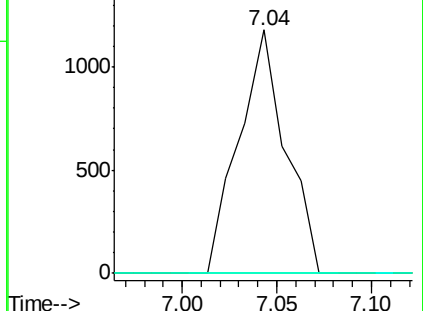
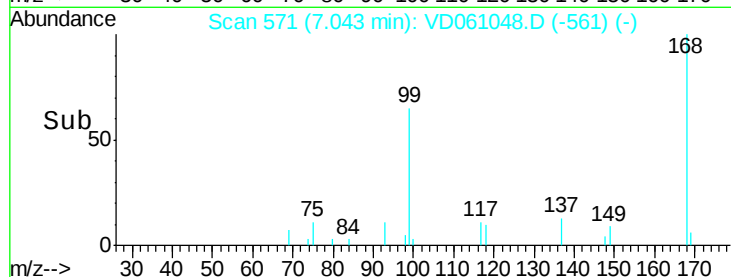
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.078 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061048.D

Acq: 13 Mar 2019 17:58

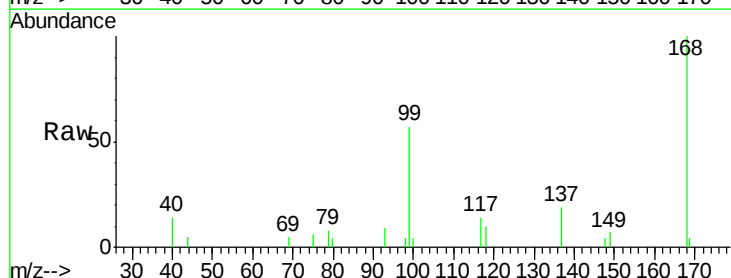
Tgt Ion: 117 Resp: 2906

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

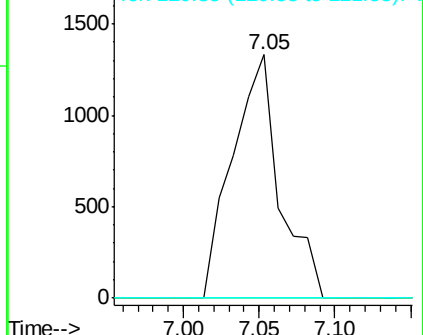
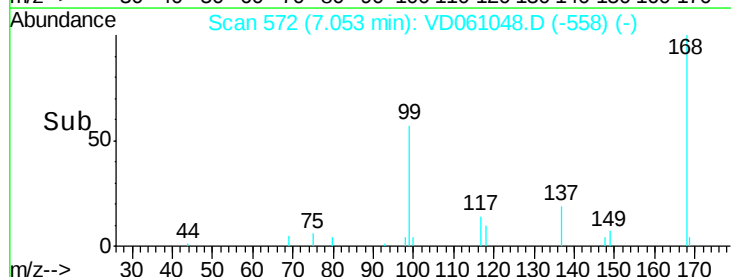
121 0.0 25.3 37.9#

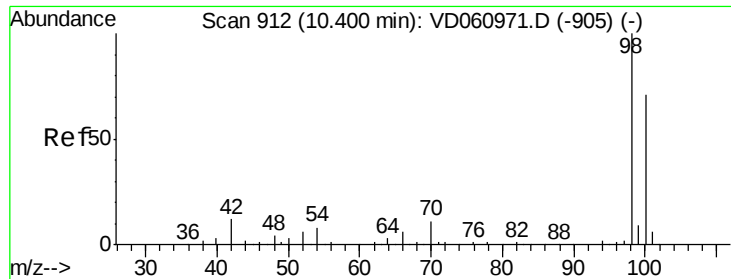


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061048.D

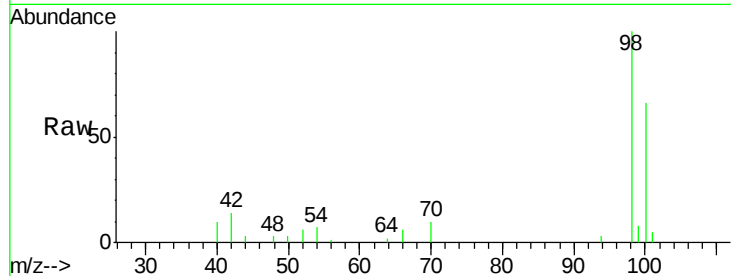
Acq: 13 Mar 2019 17:58

Tot Ion: 98 Resp: 56819

Ion Ratio Lower Upper

98 100

100 66.5 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) (-)

25000

20000

15000

10000

5000

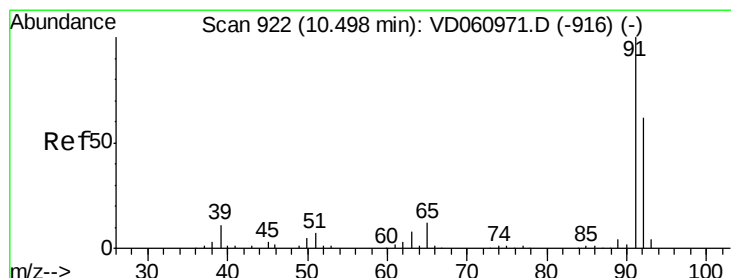
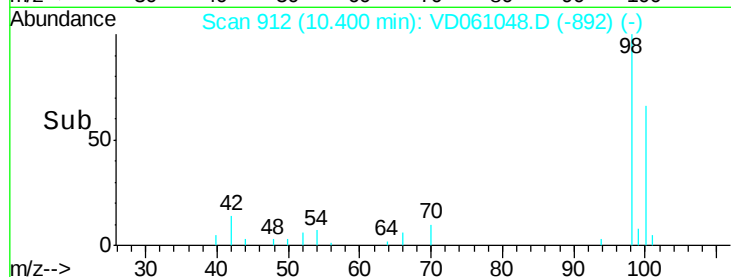
0

10.30

10.40

10.50

Time-->



#52

Toluene

Concen: 2.676 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061048.D

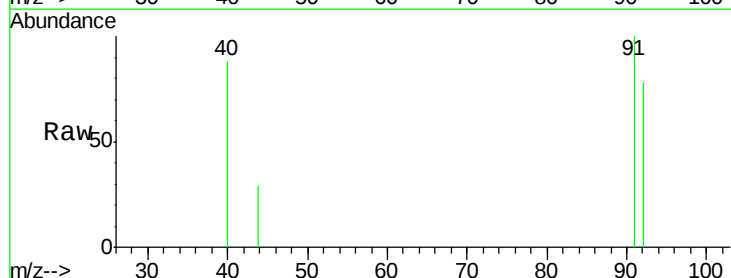
Acq: 13 Mar 2019 17:58

Tgt Ion: 92 Resp: 2160

Ion Ratio Lower Upper

92 100

91 128.3 129.8 194.8#



Abundance Ion 92.00 (91.70 to 92.70): VD060971.D (-916) (-)

Ion 91.00 (90.70 to 91.70): VD060971.D (-916) (-)

2000

1500

1000

500

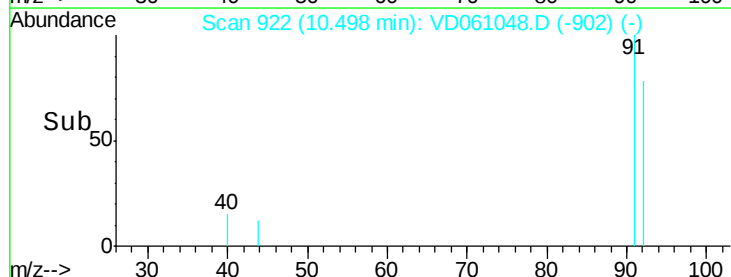
0

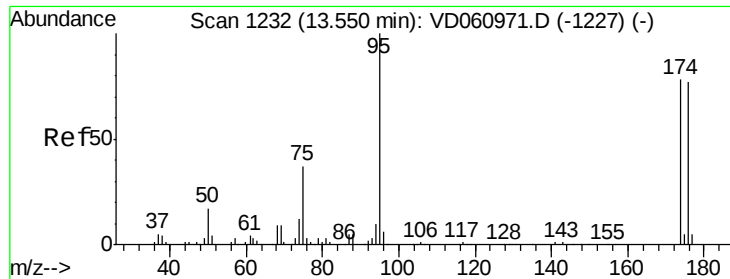
10.45

10.50

10.55

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061048.D

Acq: 13 Mar 2019 17:58

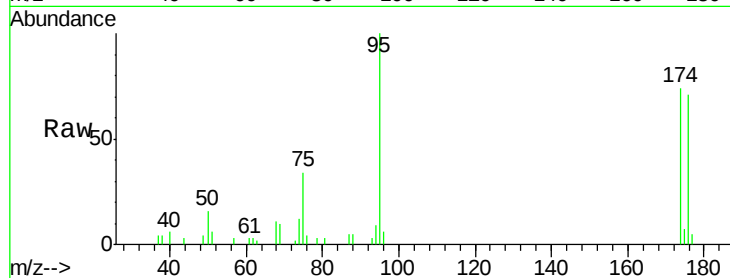
Tot Ion: 95 Resp: 24119

Ion Ratio Lower Upper

95 100

174 74.2 0.0 155.6

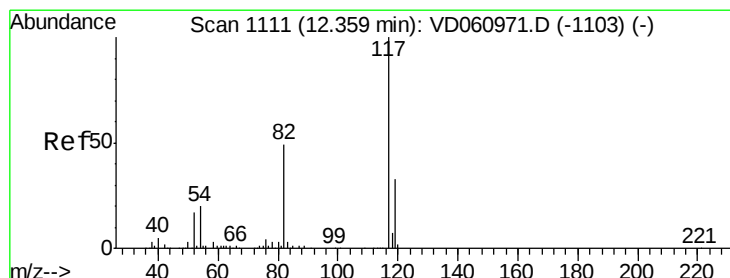
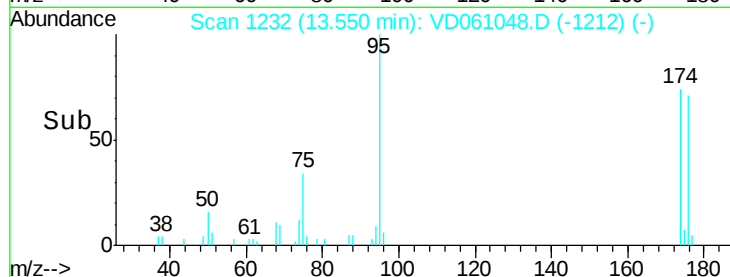
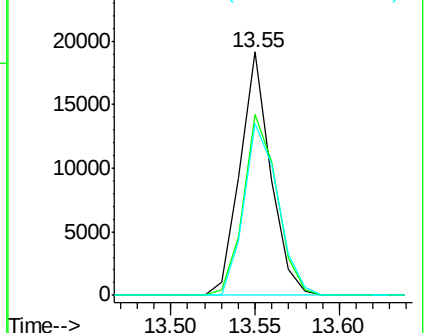
176 70.7 0.0 153.8



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: VD061048.D

Acq: 13 Mar 2019 17:58

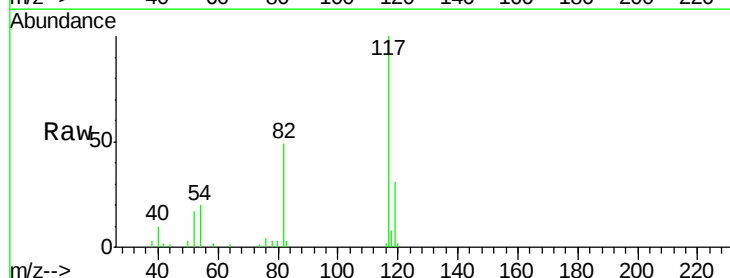
Tgt Ion: 117 Resp: 55079

Ion Ratio Lower Upper

117 100

82 49.2 38.9 58.3

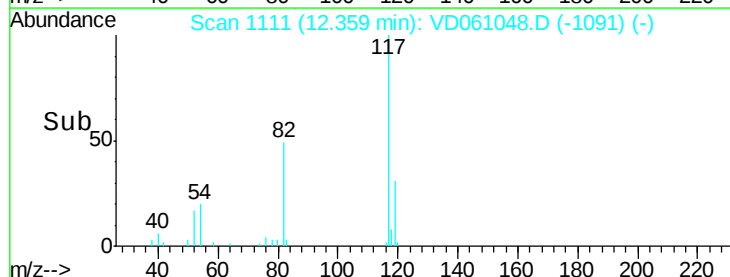
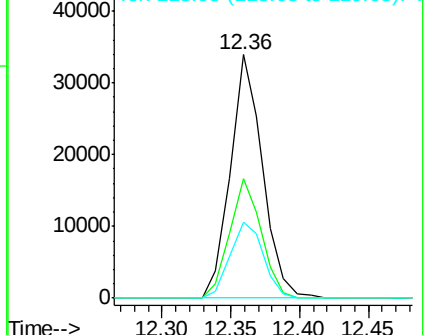
119 31.2 26.6 39.8

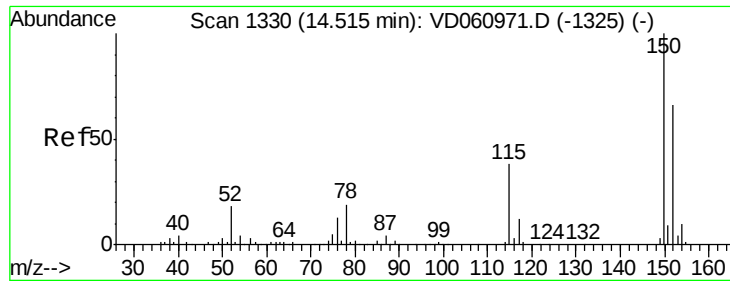


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

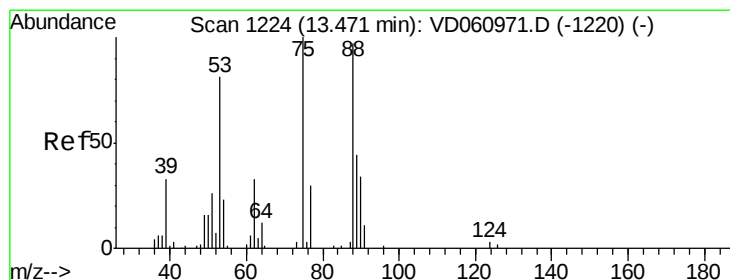
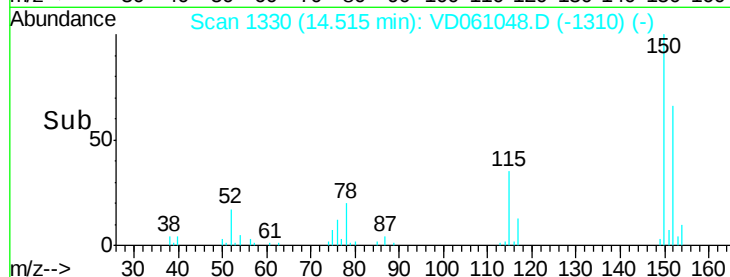
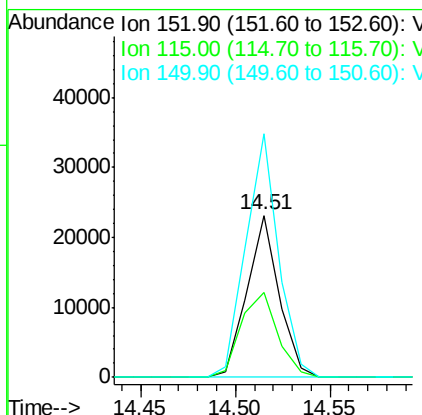
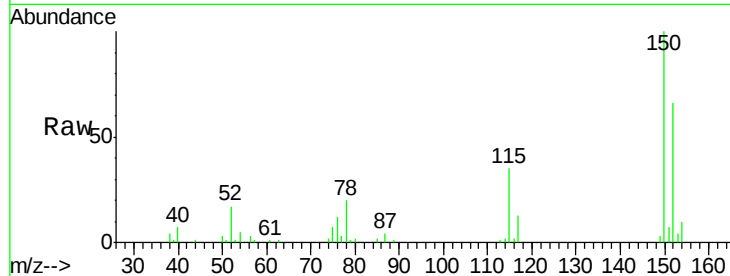
Ion 118.95 (118.65 to 119.65): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061048.D
 Acq: 13 Mar 2019 17:58

Tot Ion:152 Resp: 27153
 Ion Ratio Lower Upper
 152 100
 115 52.9 28.6 85.9
 150 150.5 0.0 310.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.782 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061048.D
 Acq: 13 Mar 2019 17:58

Tgt Ion: 75 Resp: 8843
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

