

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061134.D
 Acq On : 17 Mar 2019 4:29
 Operator : VA/AP
 Sample : K1691-15
 Misc : 6.21g/5ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

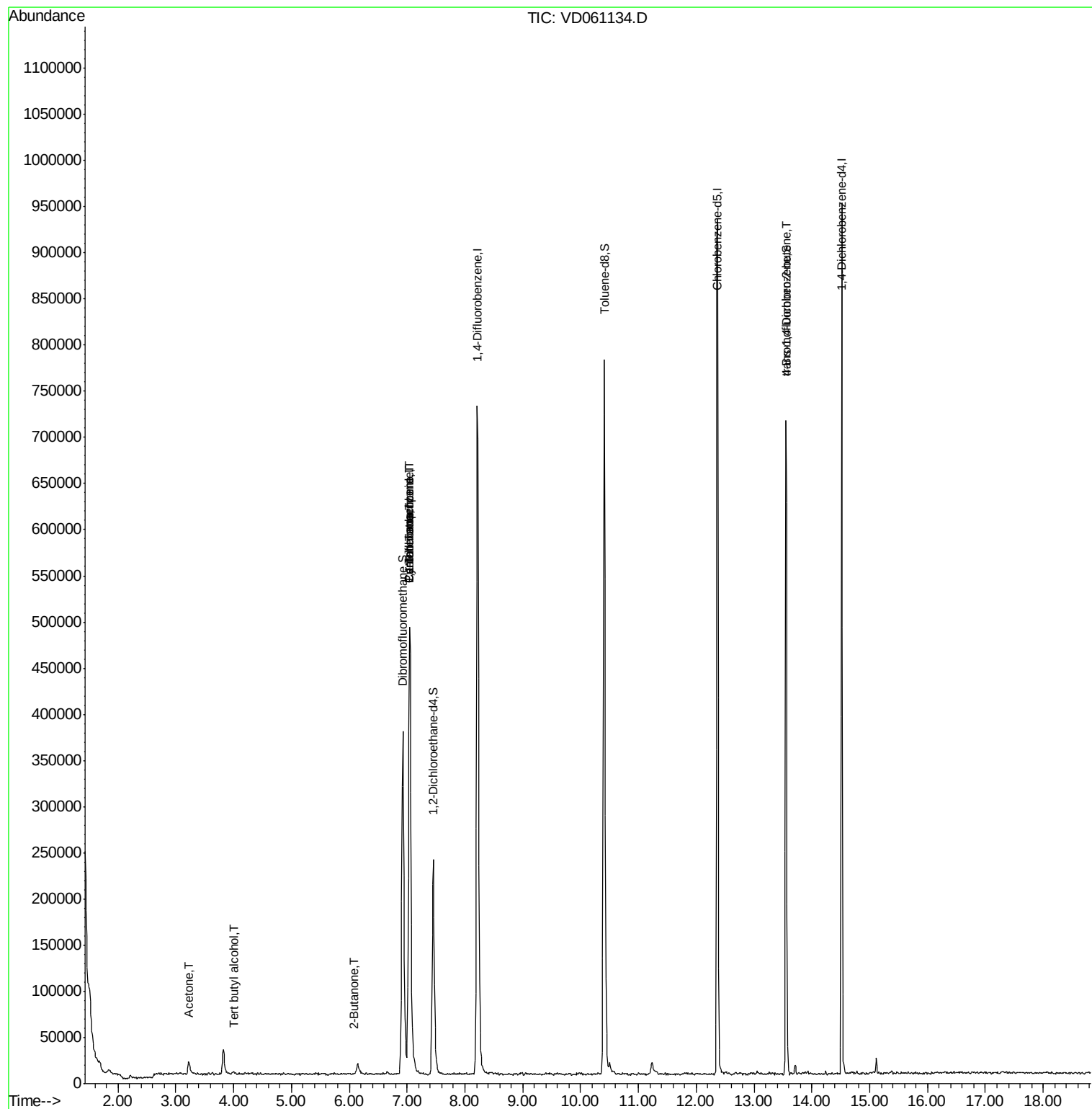
Quant Time: Mar 18 05:02:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

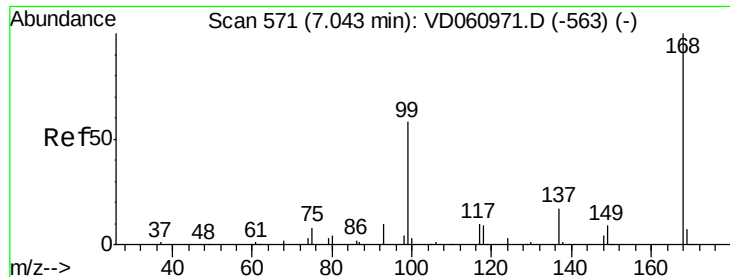
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	489867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	907527	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	623384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	206753	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	227739	55.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.70%	
35) Dibromofluoromethane	6.92	113	349893	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
50) Toluene-d8	10.41	98	701067	41.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.90%	
62) 4-Bromofluorobenzene	13.55	95	238022	36.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.99	59	2282	8.791	ug/l #	75
16) Acetone	3.22	43	27623	23.690	ug/l	99
20) Methylene Chloride	3.82	84	19915	Below Cal		98
25) 2-Butanone	6.07	43	1333	1.007	ug/l #	55
31) Cyclohexane	7.04	56	8442	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	36764	4.700	ug/l #	46
38) Carbon Tetrachloride	7.04	117	47597	5.524	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	89926	102.544	ug/l #	17

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
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QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061134.D

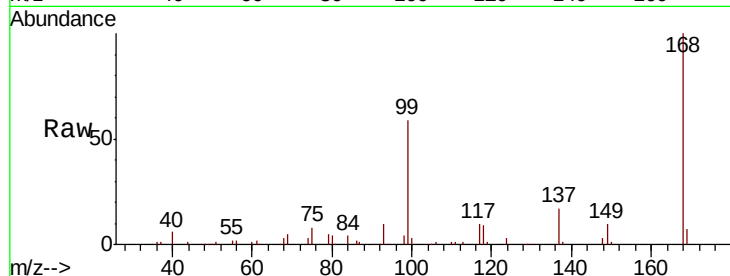
Acq: 17 Mar 2019 4:29

Tgt Ion: 168 Resp: 489867

Ion Ratio Lower Upper

168 100

99 59.0 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

150000

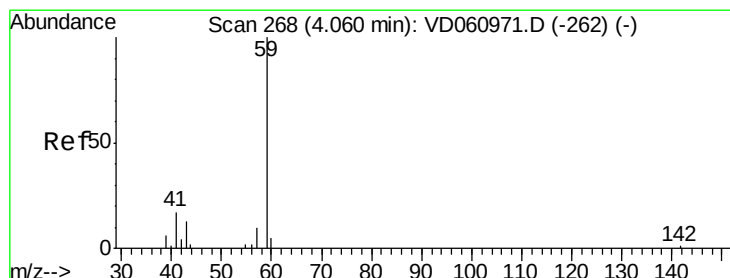
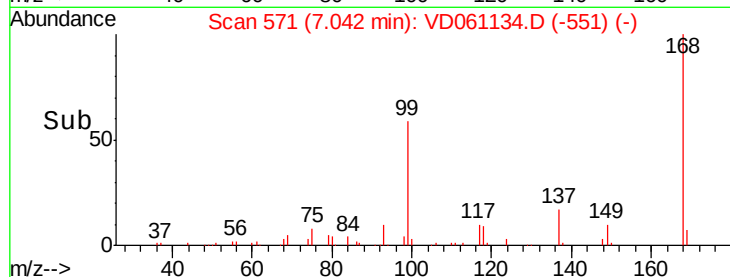
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 8.791 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.07 min

Lab File: VD061134.D

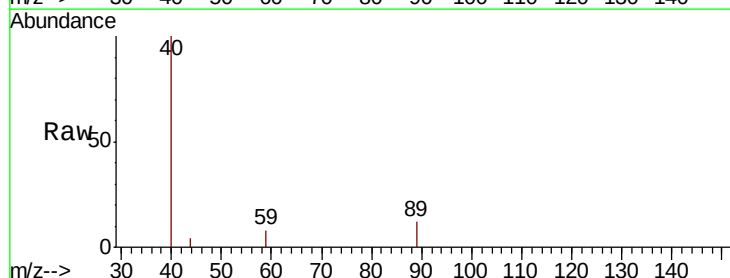
Acq: 17 Mar 2019 4:29

Tgt Ion: 59 Resp: 2282

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.99

1000

800

600

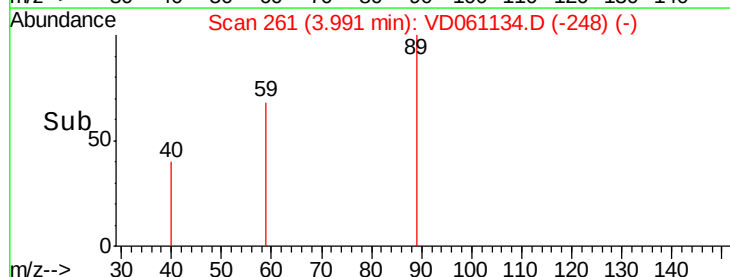
400

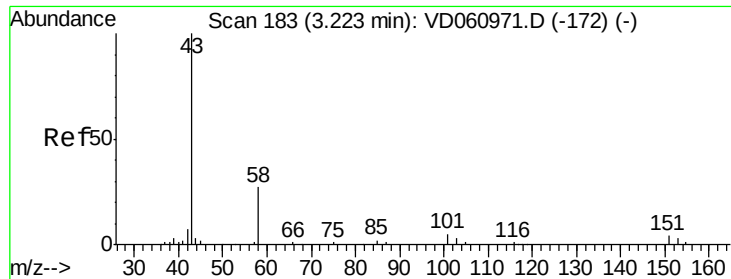
200

0

Time-->

3.95 4.00 4.05





#16

Acetone

Concen: 23.690 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061134.D

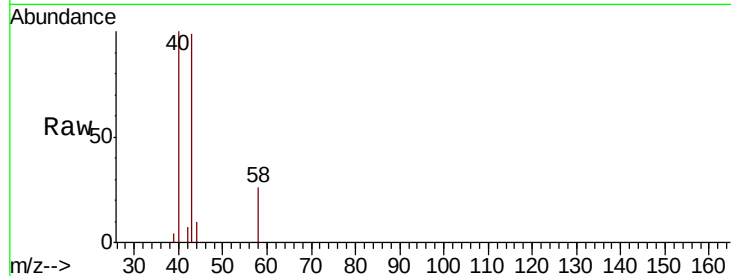
Acq: 17 Mar 2019 4:29

Tgt Ion: 43 Resp: 27623

Ion Ratio Lower Upper

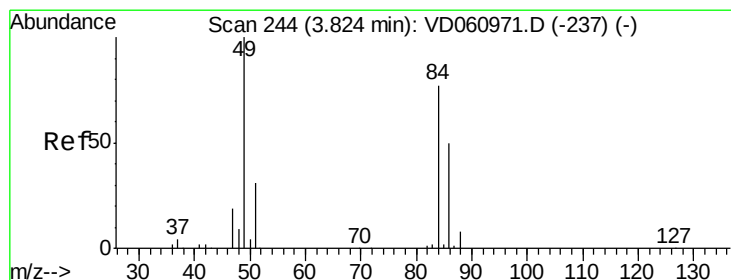
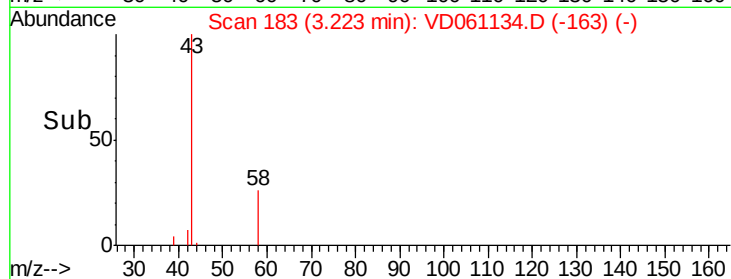
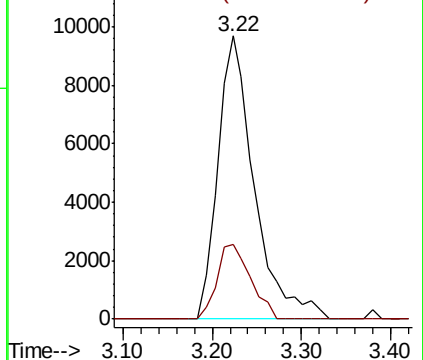
43 100

58 26.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061134.D

Acq: 17 Mar 2019 4:29

Tgt Ion: 84 Resp: 19915

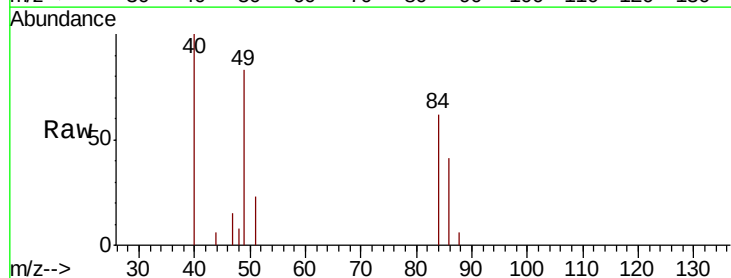
Ion Ratio Lower Upper

84 100

49 133.3 104.2 156.2

51 37.6 32.3 48.5

86 65.8 52.3 78.5

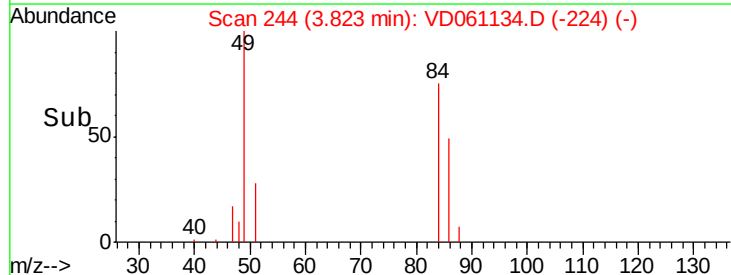
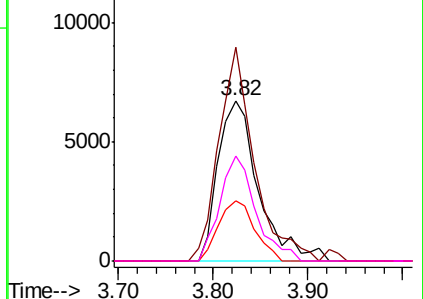


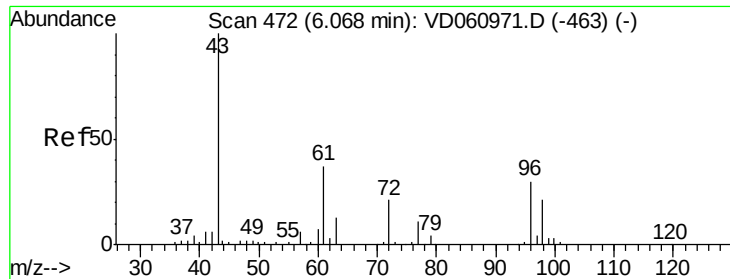
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

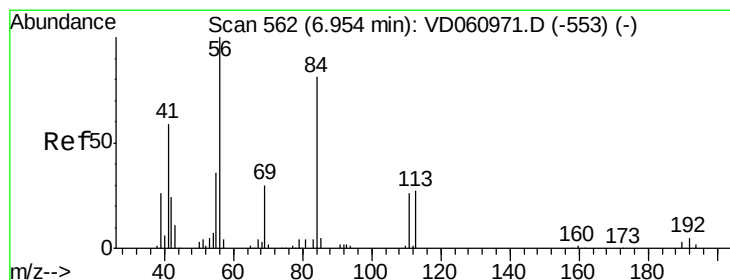
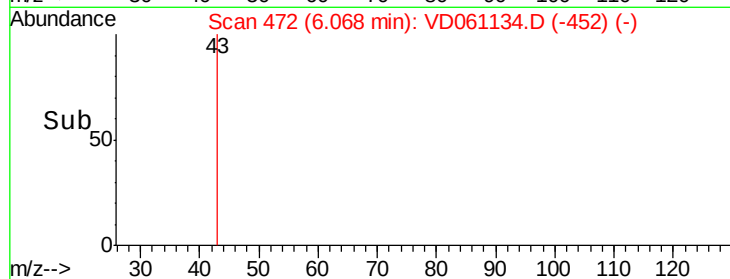
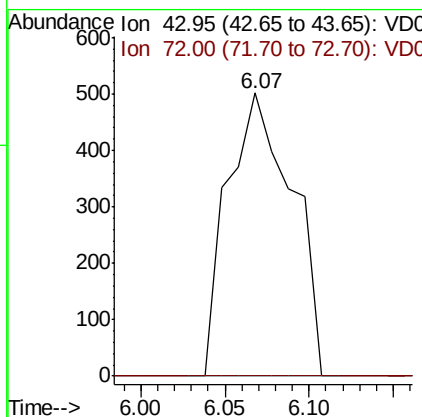
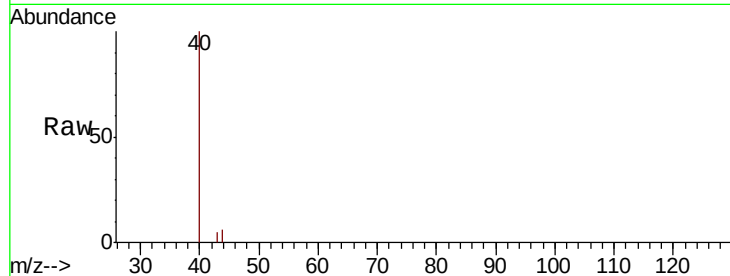
Ion 85.90 (85.60 to 86.60): VDC





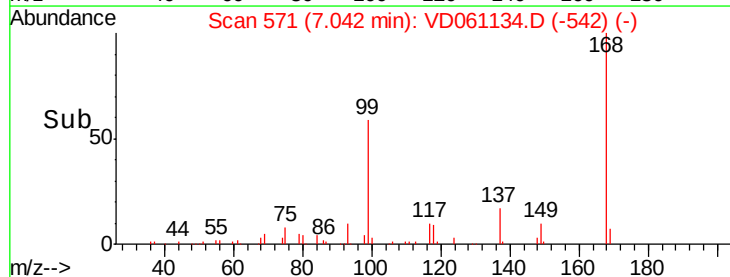
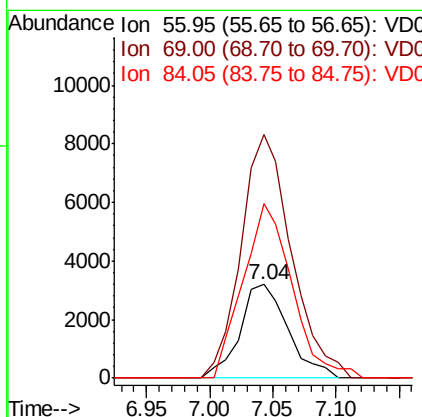
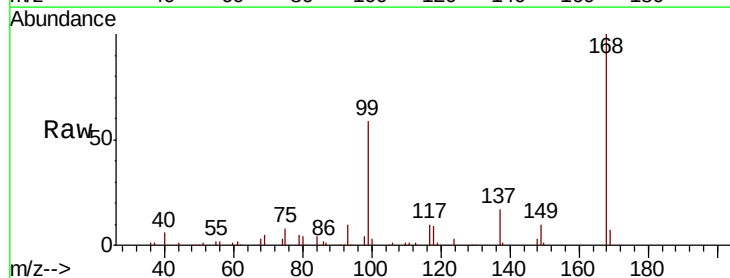
#25
 2-Butanone
 Concen: 1.007 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: VD061134.D
 Acq: 17 Mar 2019 4:29

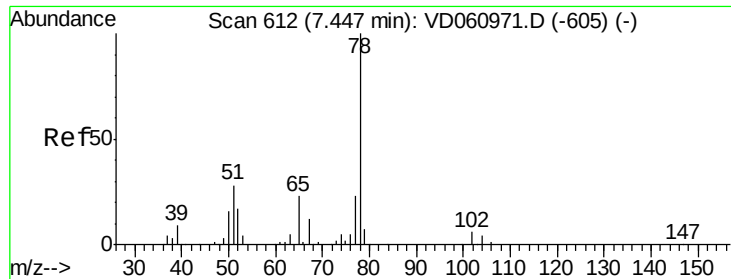
Tgt Ion: 43 Resp: 1333
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.7 25.1#



#31
 Cyclohexane
 Concen: 1.170 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. 0.09 min
 Lab File: VD061134.D
 Acq: 17 Mar 2019 4:29

Tgt Ion: 56 Resp: 8442
 Ion Ratio Lower Upper
 56 100
 69 260.4 24.0 36.0#
 84 186.5 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061134.D

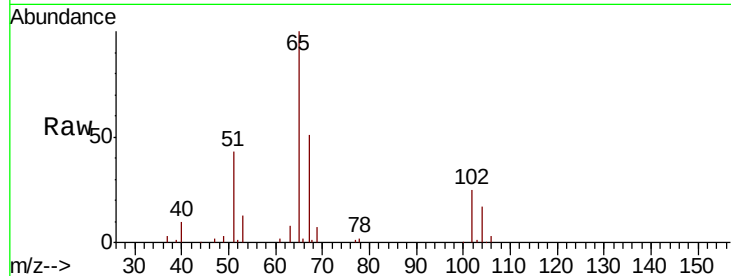
Acq: 17 Mar 2019 4:29

Tgt Ion: 65 Resp: 227739

Ion Ratio Lower Upper

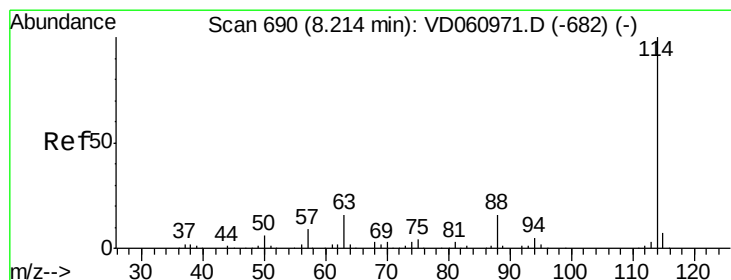
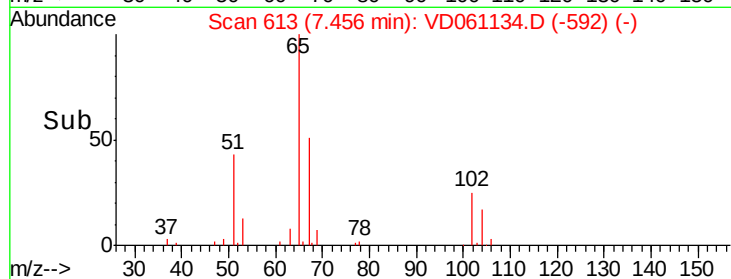
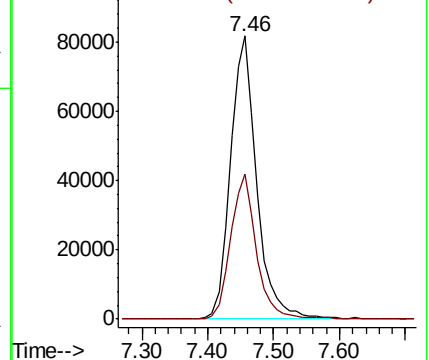
65 100

67 51.5 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: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061134.D

Acq: 17 Mar 2019 4:29

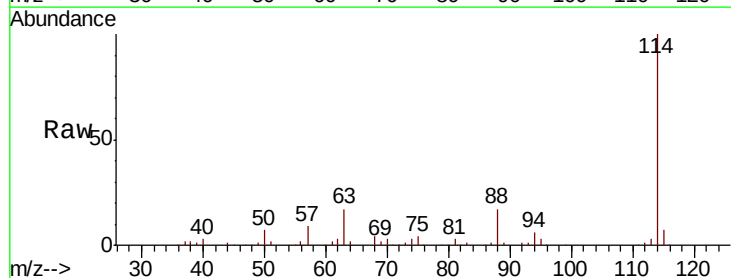
Tgt Ion: 114 Resp: 907527

Ion Ratio Lower Upper

114 100

63 16.9 0.0 31.4

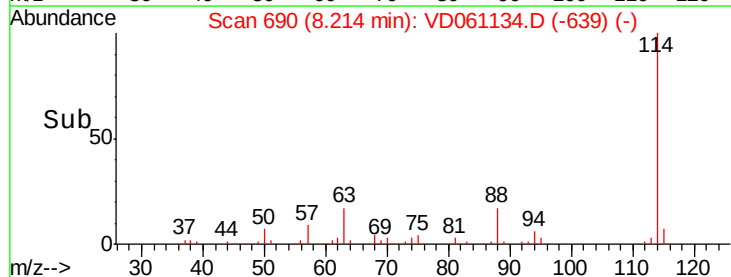
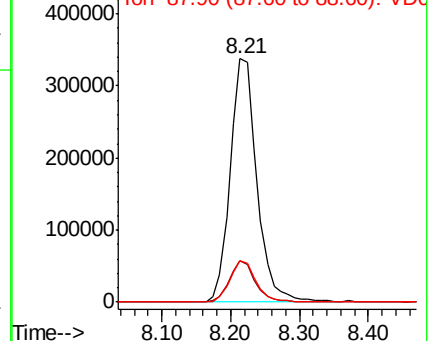
88 17.2 0.0 33.0

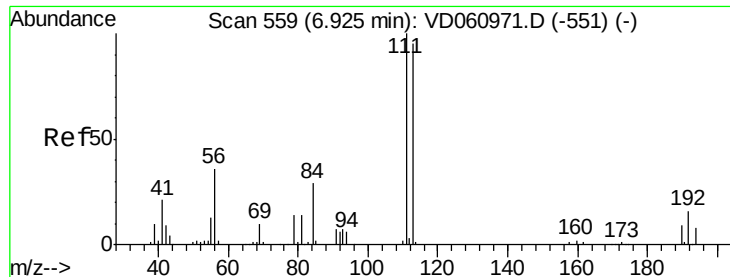


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061134.D

Acq: 17 Mar 2019 4:29

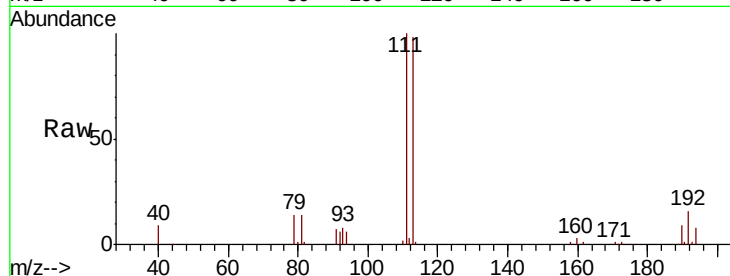
Tgt Ion: 113 Resp: 349893

Ion Ratio Lower Upper

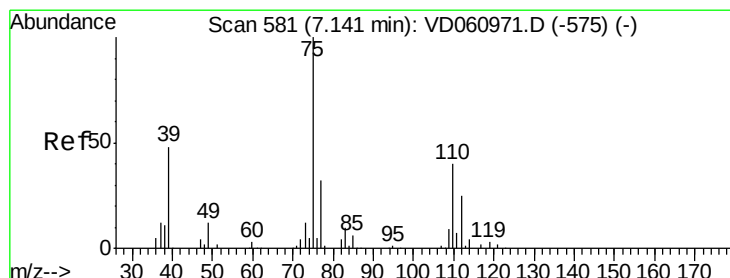
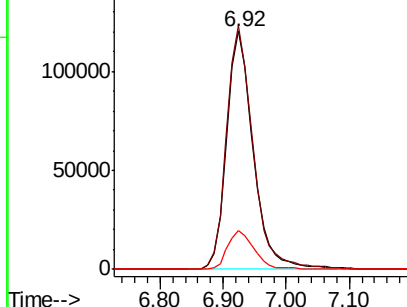
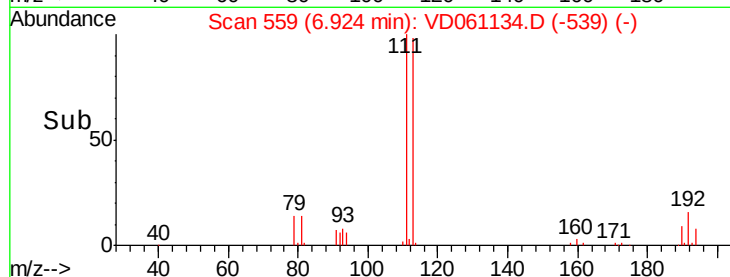
113 100

111 102.2 84.2 126.4

192 16.6 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: 4.700 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061134.D

Acq: 17 Mar 2019 4:29

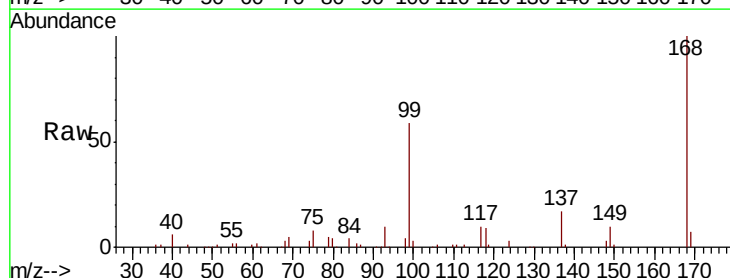
Tgt Ion: 75 Resp: 36764

Ion Ratio Lower Upper

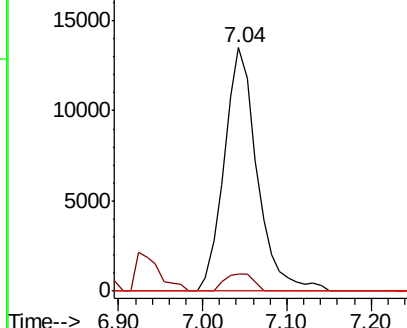
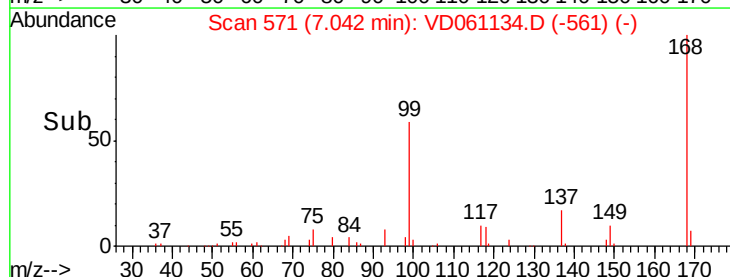
75 100

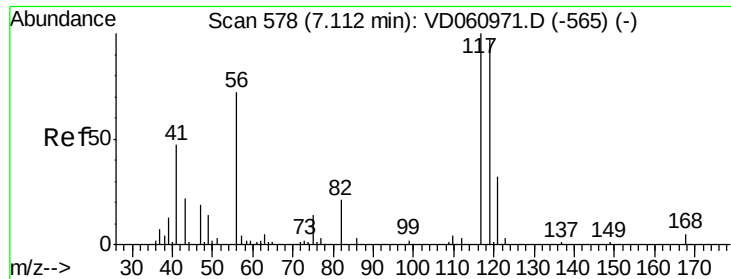
110 7.2 19.7 59.1#

77 0.0 24.7 37.1#



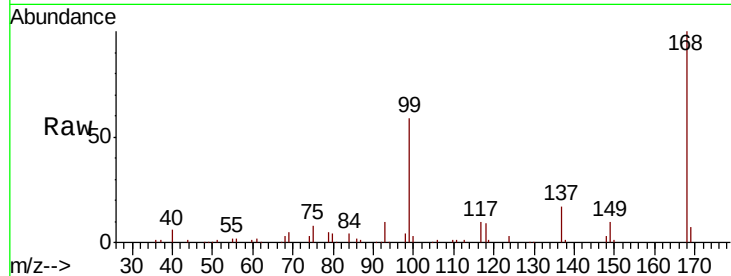
Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V



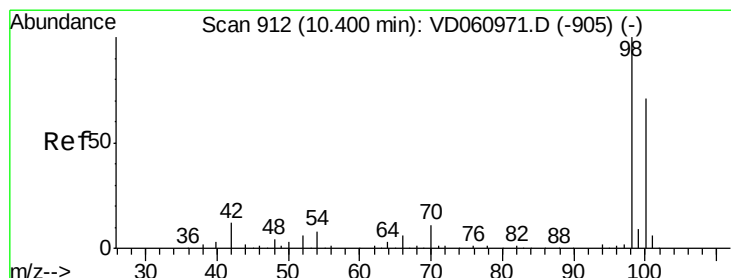
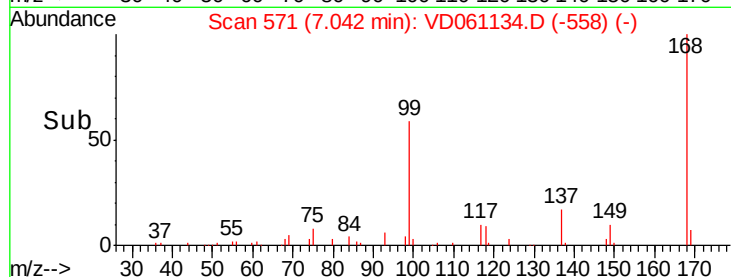
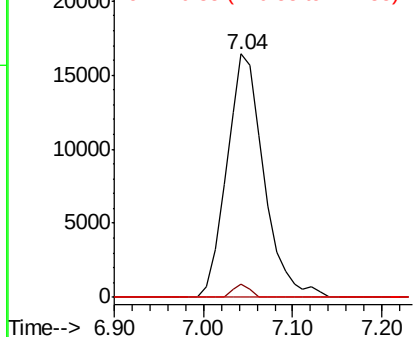


#38
Carbon Tetrachloride
Concen: 5.524 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061134.D
Acq: 17 Mar 2019 4:29

Tgt Ion: 117 Resp: 47597
Ion Ratio Lower Upper
117 100
119 5.4 77.8 116.8#
121 0.0 25.3 37.9#

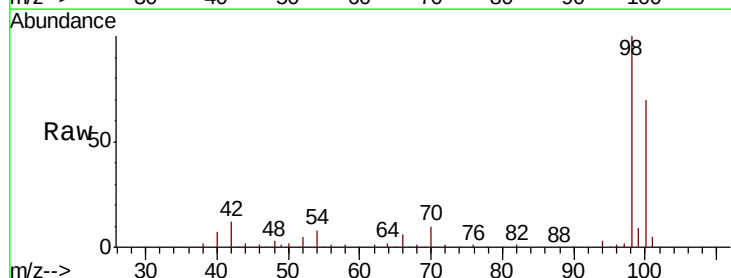


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

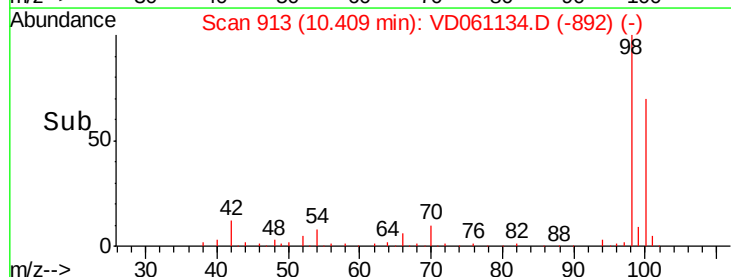
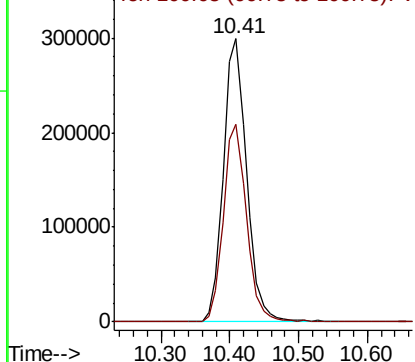


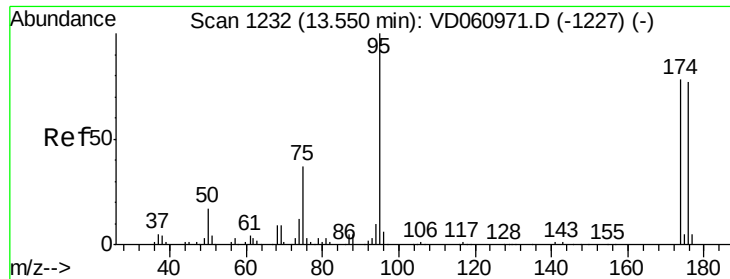
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061134.D
Acq: 17 Mar 2019 4:29

Tgt Ion: 98 Resp: 701067
Ion Ratio Lower Upper
98 100
100 69.6 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD
Ion 100.05 (99.75 to 100.75): VD





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061134.D

Acq: 17 Mar 2019 4:29

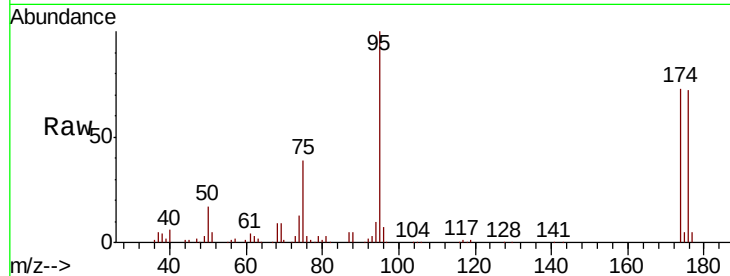
Tgt Ion: 95 Resp: 238022

Ion Ratio Lower Upper

95 100

174 72.7 0.0 155.6

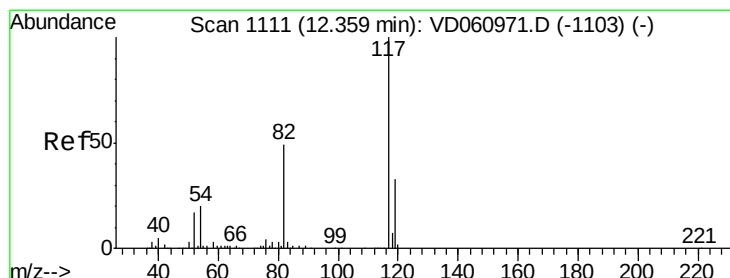
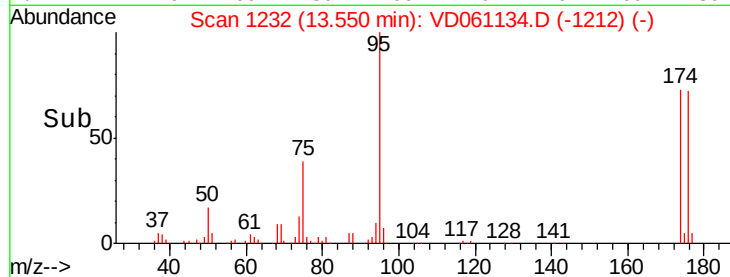
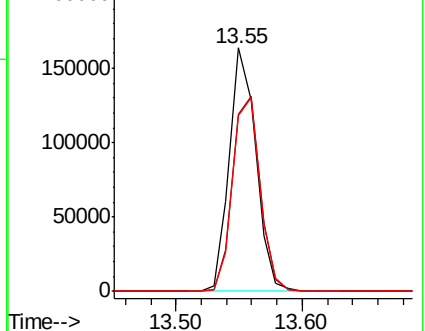
176 72.4 0.0 153.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061134.D

Acq: 17 Mar 2019 4:29

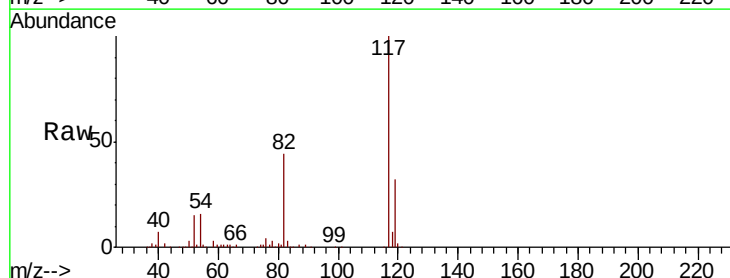
Tgt Ion: 117 Resp: 623384

Ion Ratio Lower Upper

117 100

82 43.7 38.9 58.3

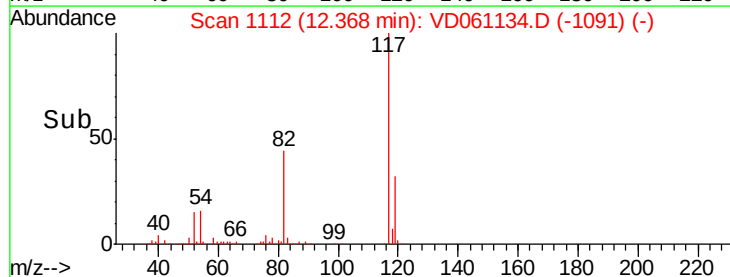
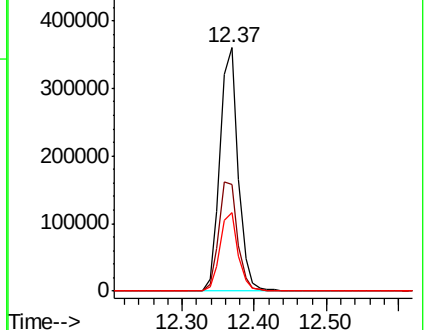
119 32.5 26.6 39.8

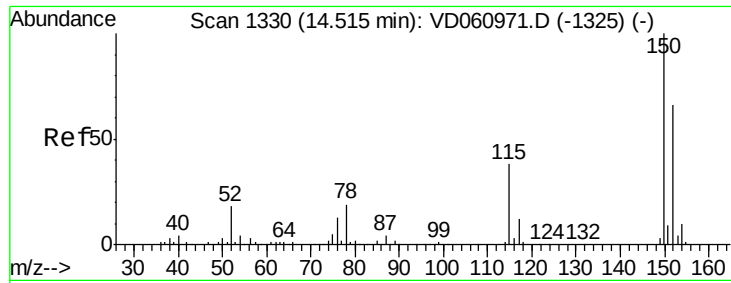


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

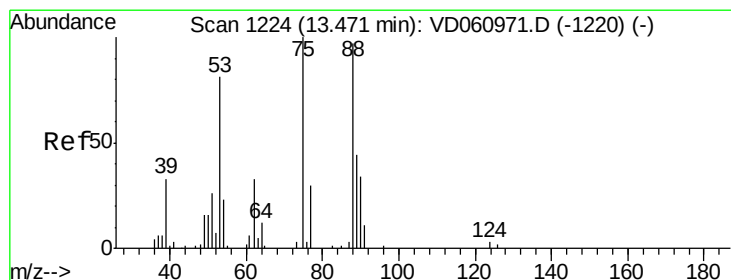
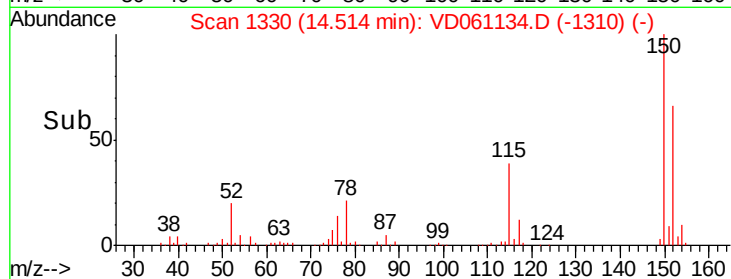
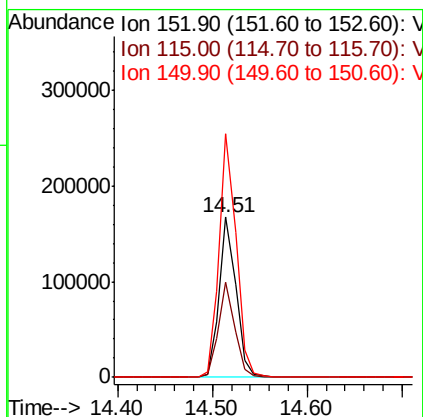
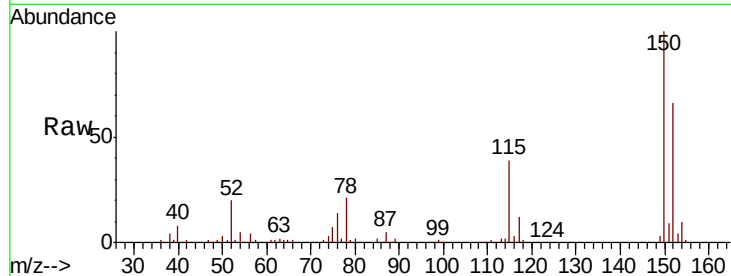
Ion 118.95 (118.65 to 119.65): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD061134.D
 Acq: 17 Mar 2019 4:29

Tgt Ion: 152 Resp: 206753
 Ion Ratio Lower Upper
 152 100
 115 59.5 28.6 85.9
 150 151.9 0.0 310.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.544 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061134.D
 Acq: 17 Mar 2019 4:29

Tgt Ion: 75 Resp: 89926
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

