

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061037.D
 Acq On : 13 Mar 2019 12:44
 Operator : VA/AP
 Sample : VD0313SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

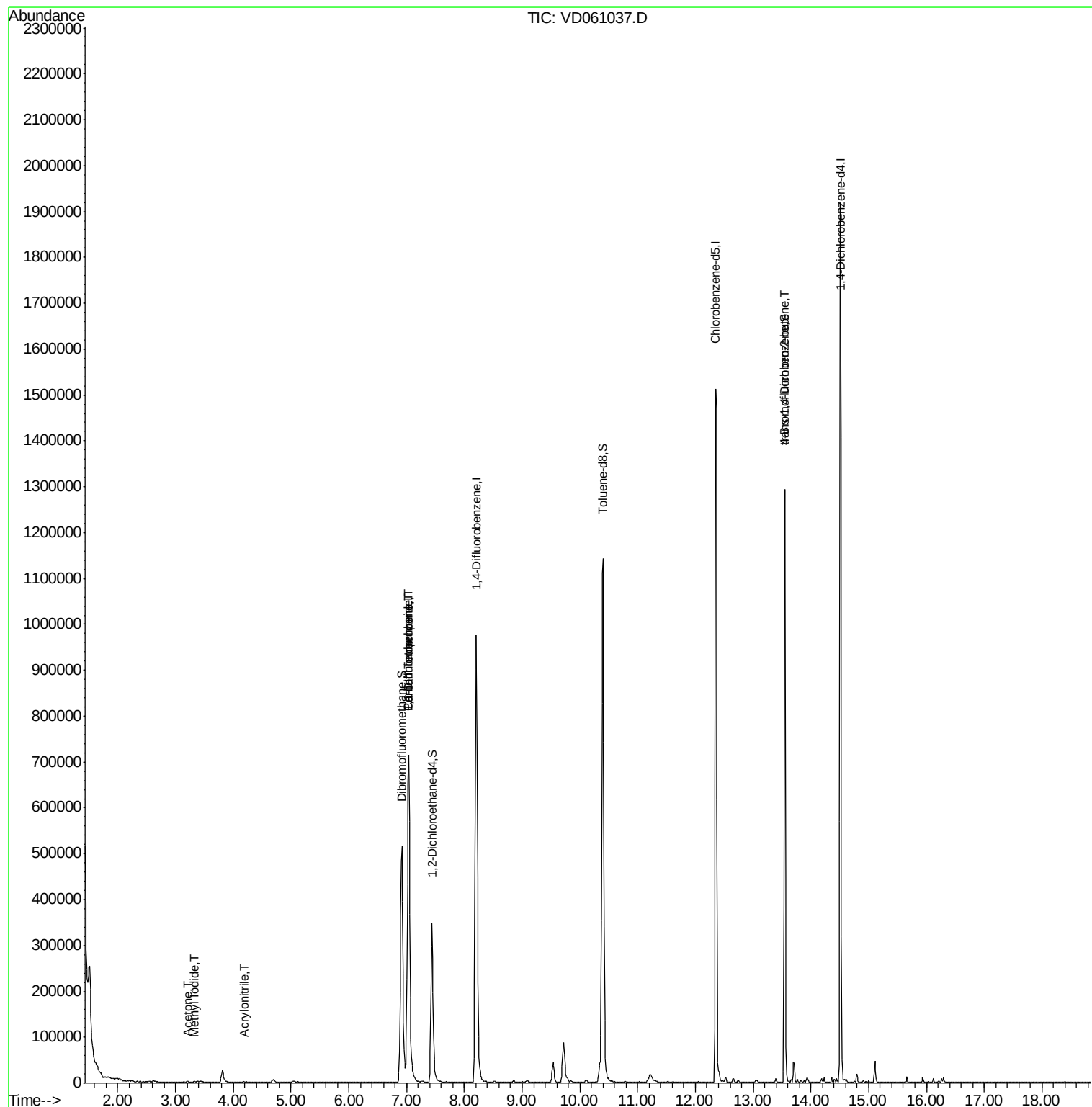
Quant Time: Mar 14 01:59:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

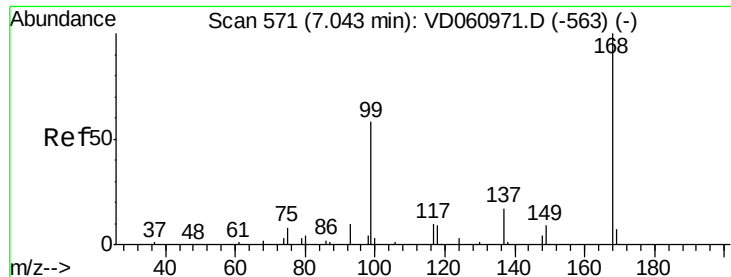
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	737793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1255369	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1019794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	444751	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	326166	53.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.22%	
35) Dibromofluoromethane	6.92	113	507304	54.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.90%	
50) Toluene-d8	10.40	98	1104058	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	13.54	95	464736	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.31	142	5638	3.360	ug/l #	91
15) Acrylonitrile	4.18	53	1470	1.064	ug/l #	77
16) Acetone	3.22	43	3898	2.220	ug/l	95
20) Methylene Chloride	3.82	84	20460	Below Cal		95
36) 1,1-Dichloropropene	7.04	75	55040	5.086	ug/l #	45
38) Carbon Tetrachloride	7.04	117	72080	6.047	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	168916	89.543	ug/l #	17

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

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Quant Title : SW846 8260
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# 570

Delta R.T. -0.01 min

Lab File: VD061037.D

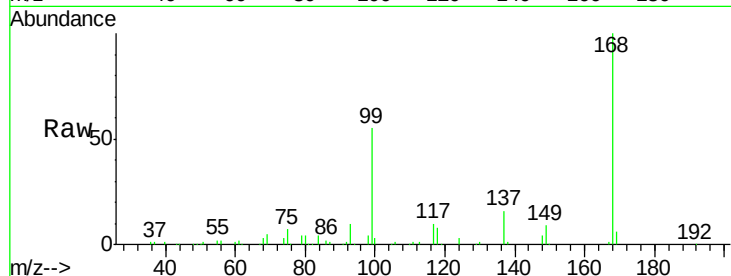
Acq: 13 Mar 2019 12:44

Tot Ion:168 Resp: 737793

Ion Ratio Lower Upper

168 100

99 55.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

300000

250000

200000

150000

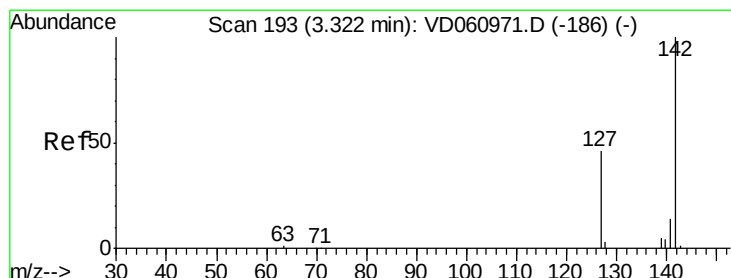
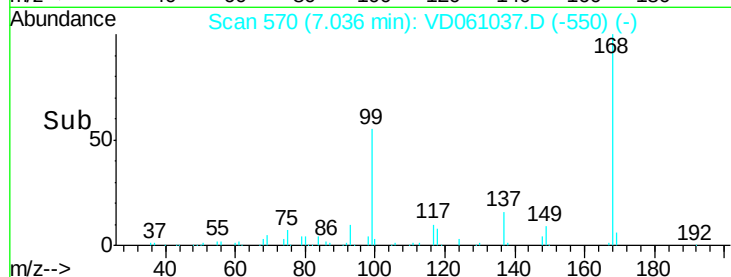
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.360 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061037.D

Acq: 13 Mar 2019 12:44

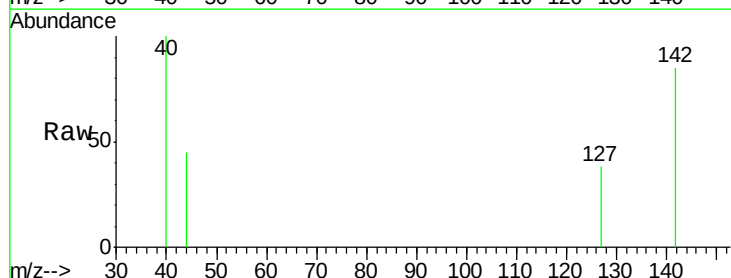
Tgt Ion:142 Resp: 5638

Ion Ratio Lower Upper

142 100

127 45.3 36.8 55.2

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.31

1500

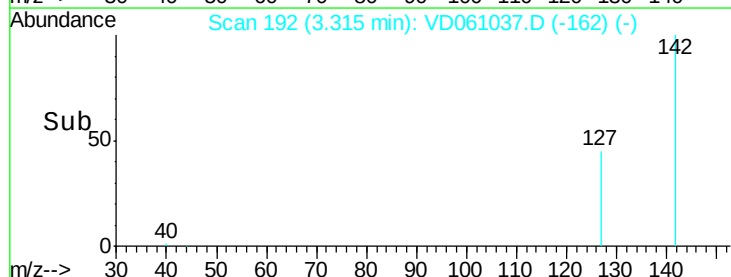
1000

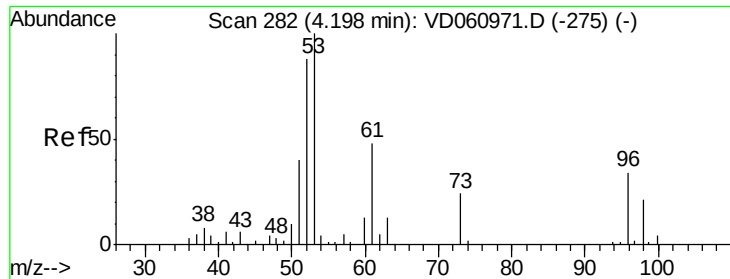
500

0

Time-->

3.20 3.30 3.40 3.50





#15

Acrylonitrile

Concen: 1.064 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD061037.D

Acq: 13 Mar 2019 12:44

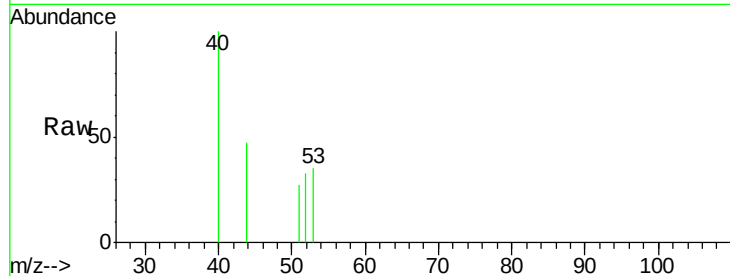
Tot Ion: 53 Resp: 1470

Ion Ratio Lower Upper

53 100

52 93.5 70.2 105.4

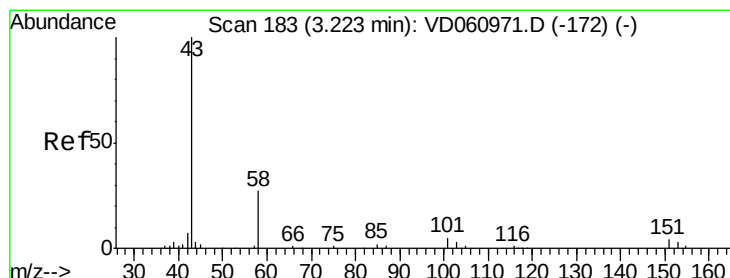
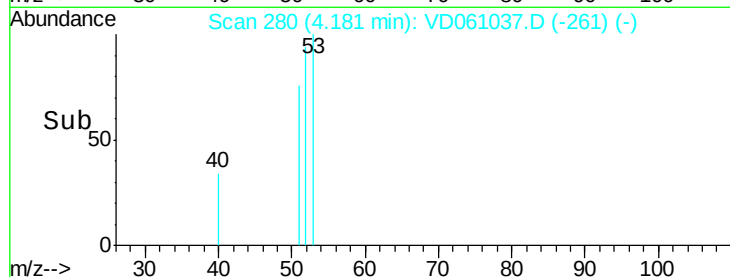
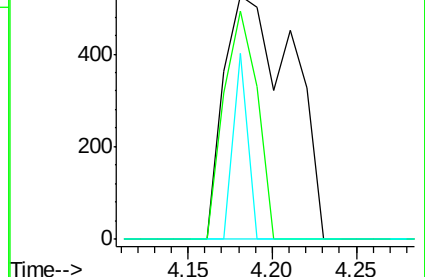
51 76.4 31.7 47.5#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 2.220 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061037.D

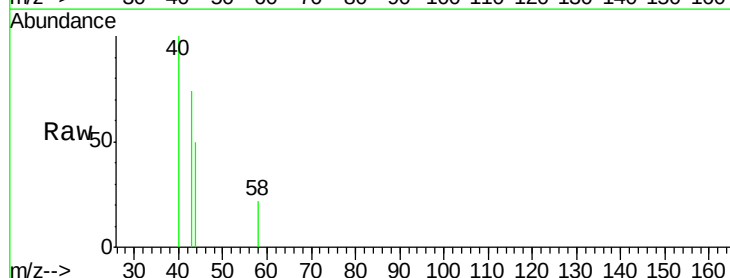
Acq: 13 Mar 2019 12:44

Tgt Ion: 43 Resp: 3898

Ion Ratio Lower Upper

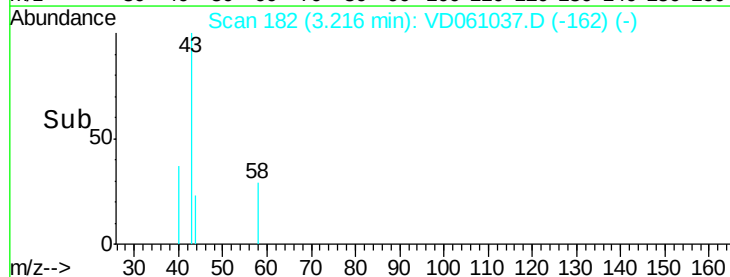
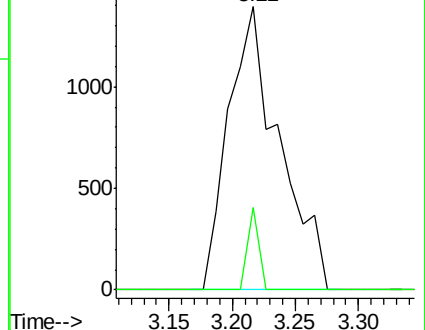
43 100

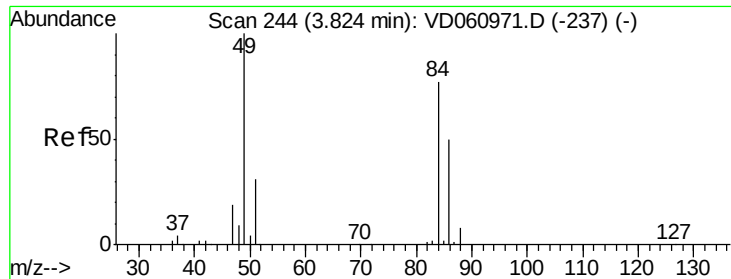
58 29.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

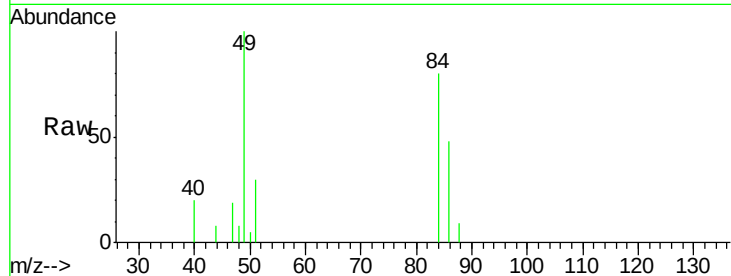




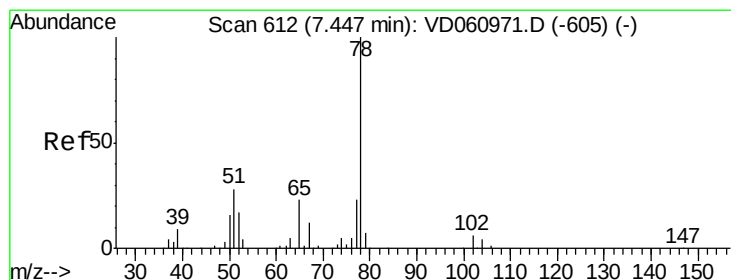
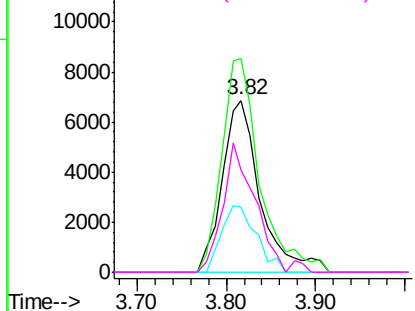
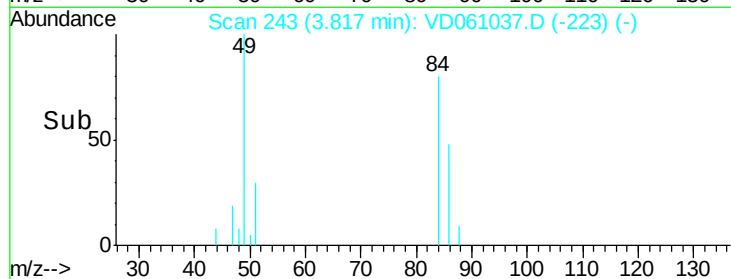
#20

Methylene Chloride
 Concen: Below Cal
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061037.D
 Acq: 13 Mar 2019 12:44

Tot Ion	84	Resp	20460
Ion	Ratio	Lower	Upper
84	100		
49	124.4	104.2	156.2
51	37.9	32.3	48.5
86	59.7	52.3	78.5



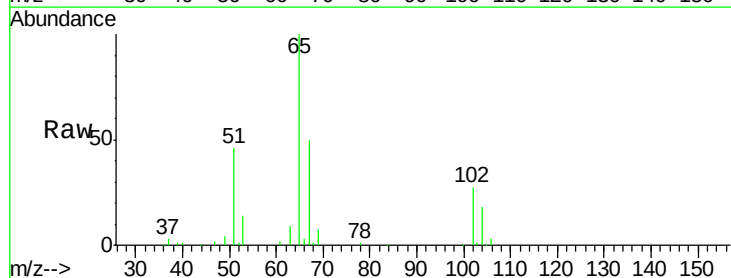
Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC



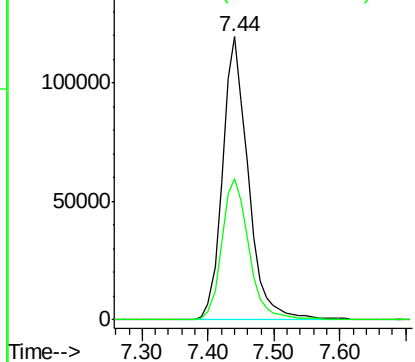
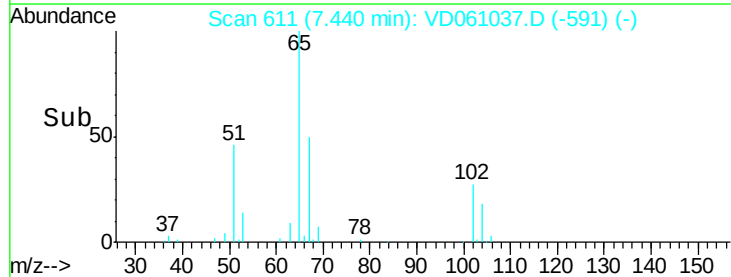
#33

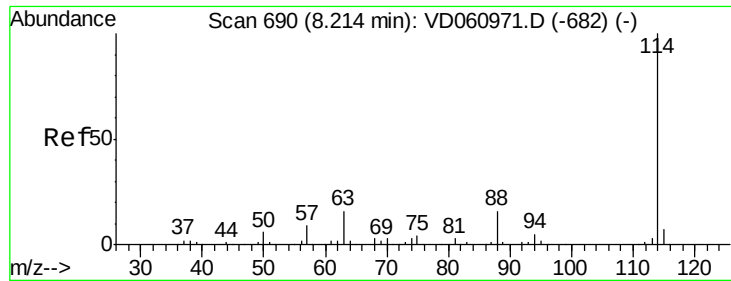
1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061037.D
 Acq: 13 Mar 2019 12:44

Tgt Ion	65	Resp	326166
Ion	Ratio	Lower	Upper
65	100		
67	50.0	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# 689

Delta R.T. -0.01 min

Lab File: VD061037.D

Acq: 13 Mar 2019 12:44

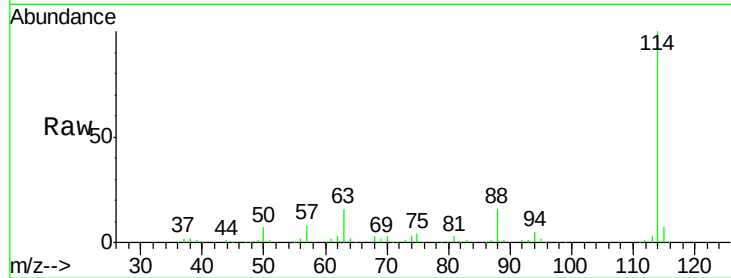
Tot Ion:114 Resp: 1255369

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

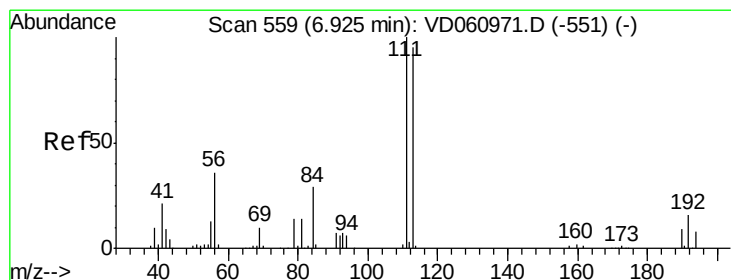
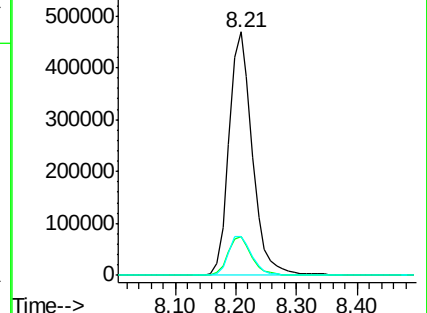
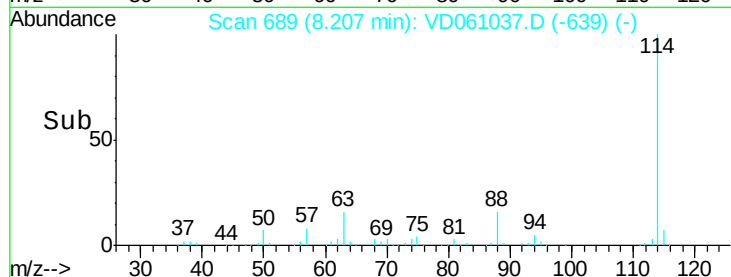
88 16.2 0.0 33.0



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# 558

Delta R.T. -0.01 min

Lab File: VD061037.D

Acq: 13 Mar 2019 12:44

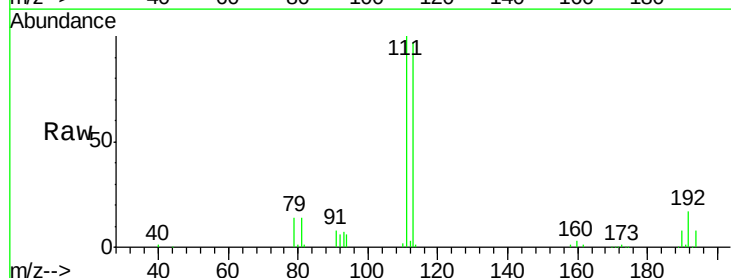
Tgt Ion:113 Resp: 507304

Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.4

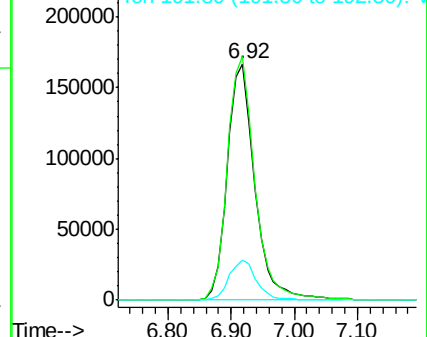
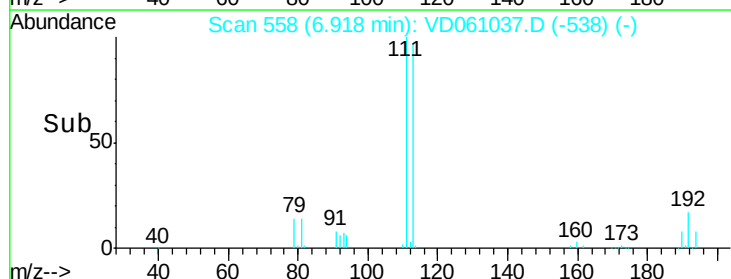
192 17.0 13.1 19.7

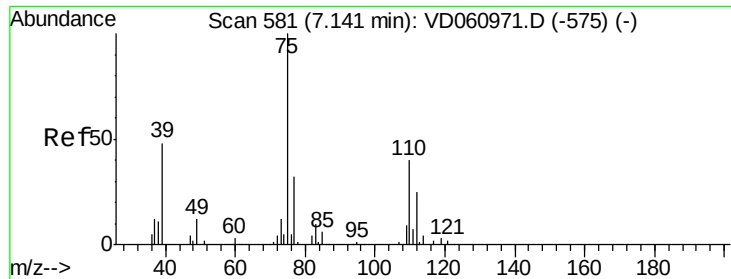


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.086 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061037.D

Acq: 13 Mar 2019 12:44

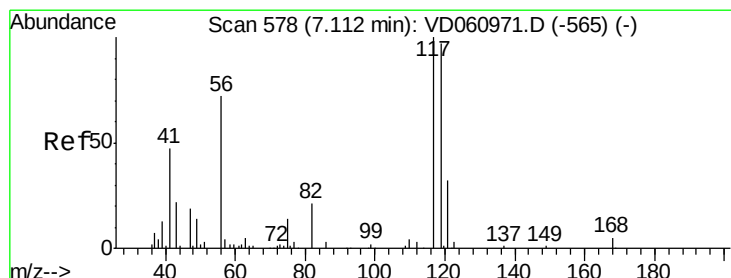
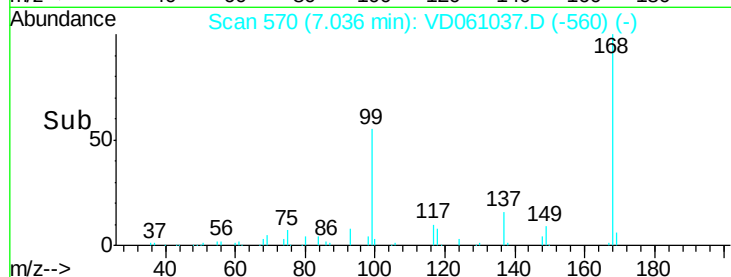
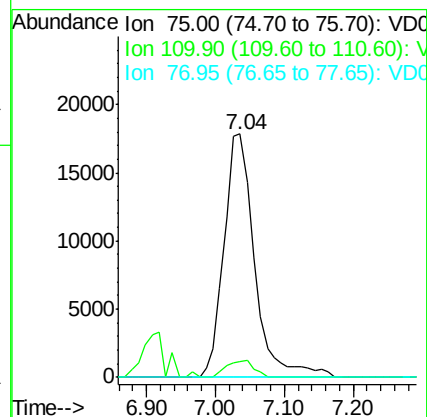
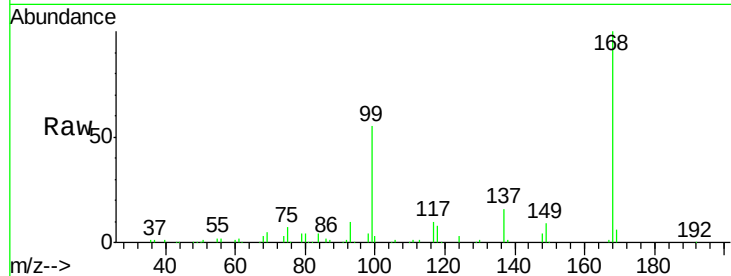
Tot Ion: 75 Resp: 55040

Ion Ratio Lower Upper

75 100

110 6.5 19.7 59.1#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061037.D

Acq: 13 Mar 2019 12:44

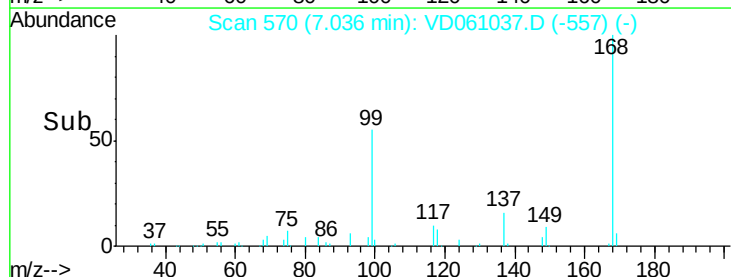
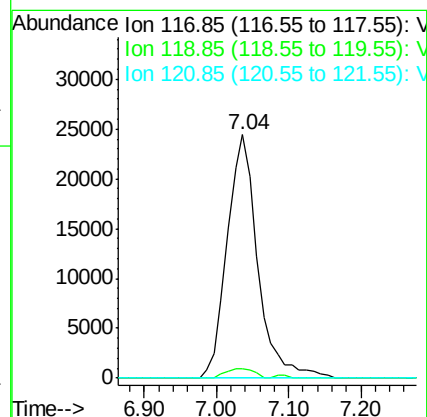
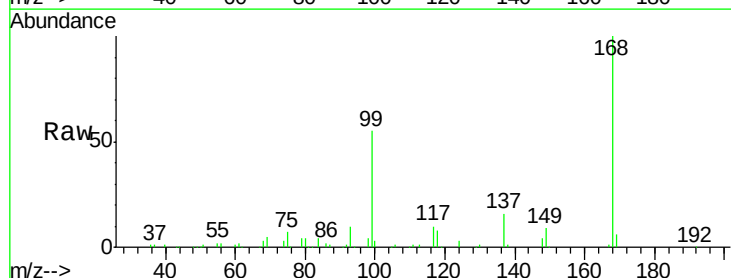
Tgt Ion: 117 Resp: 72080

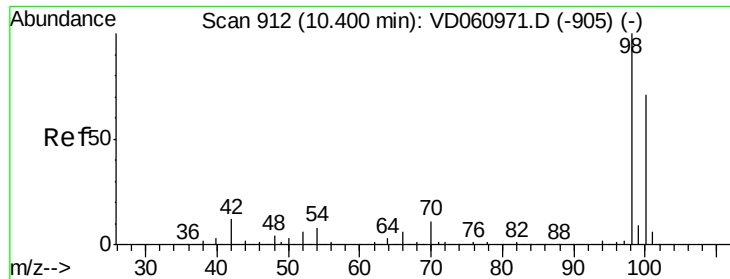
Ion Ratio Lower Upper

117 100

119 4.1 77.8 116.8#

121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061037.D

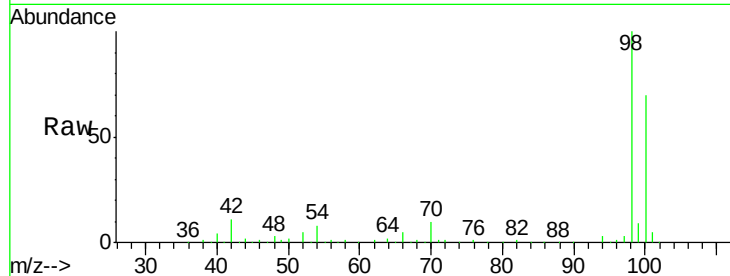
Acq: 13 Mar 2019 12:44

Tot Ion: 98 Resp: 1104058

Ion Ratio Lower Upper

98 100

100 70.1 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) (-)

10.40

400000

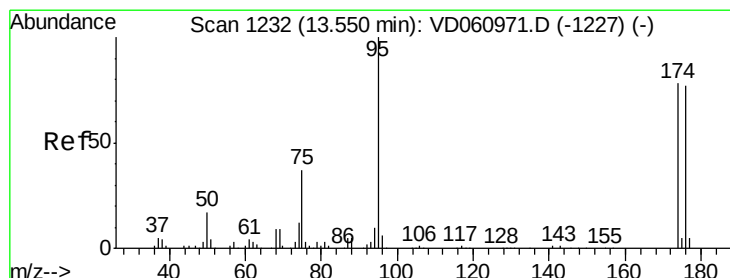
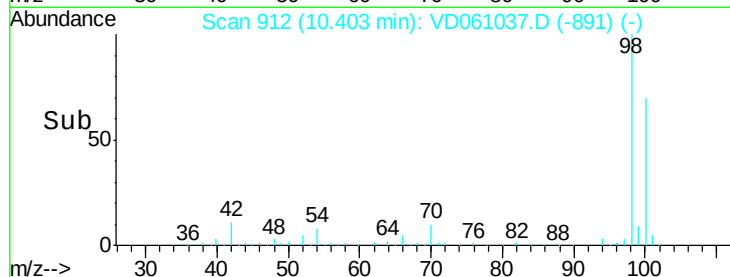
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061037.D

Acq: 13 Mar 2019 12:44

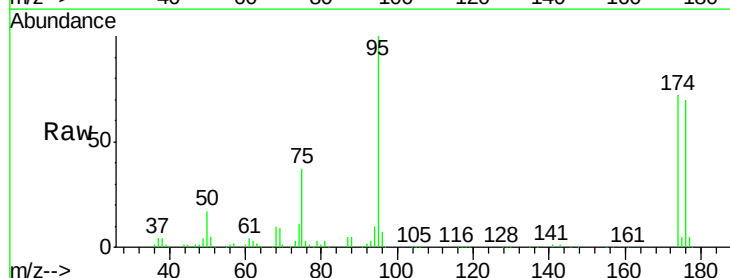
Tgt Ion: 95 Resp: 464736

Ion Ratio Lower Upper

95 100

174 72.3 0.0 155.6

176 70.3 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) (-)

13.54

400000

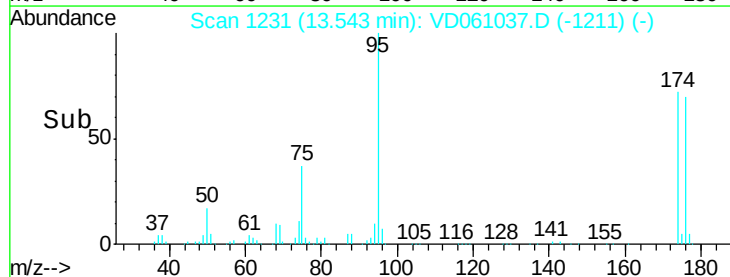
300000

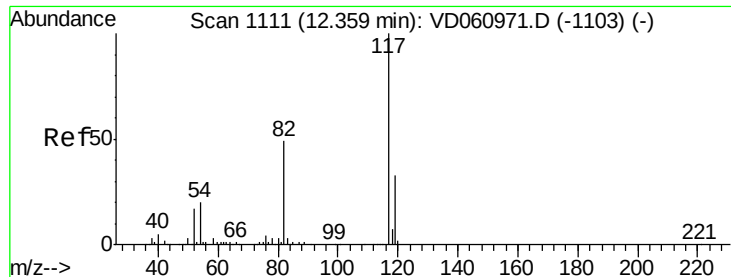
200000

100000

0

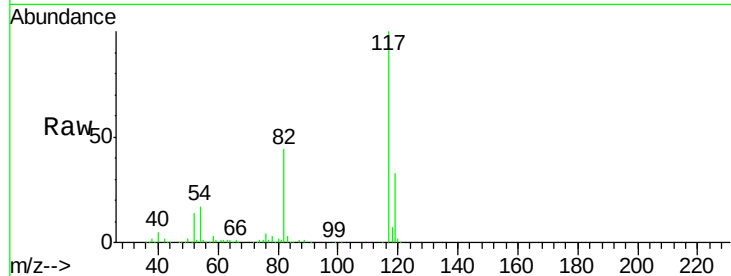
Time-->



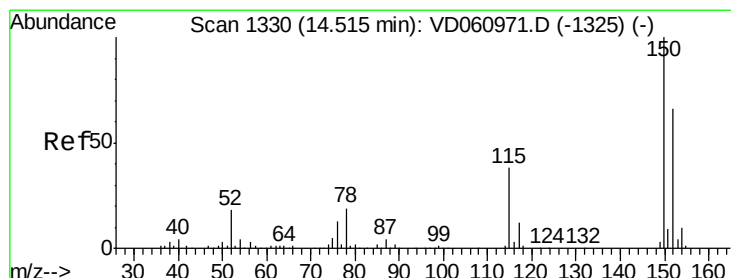
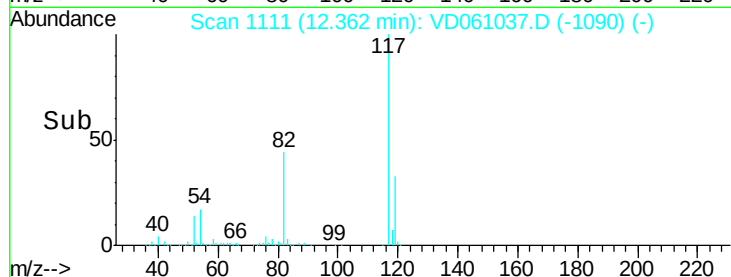
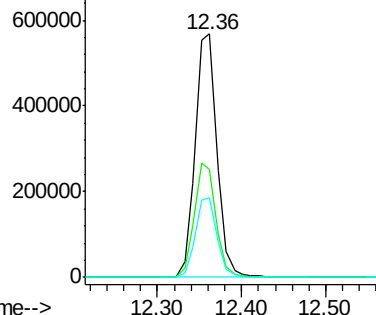


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061037.D
Acq: 13 Mar 2019 12:44

Tot Ion:117 Resp: 1019794
Ion Ratio Lower Upper
117 100
82 44.4 38.9 58.3
119 32.8 26.6 39.8

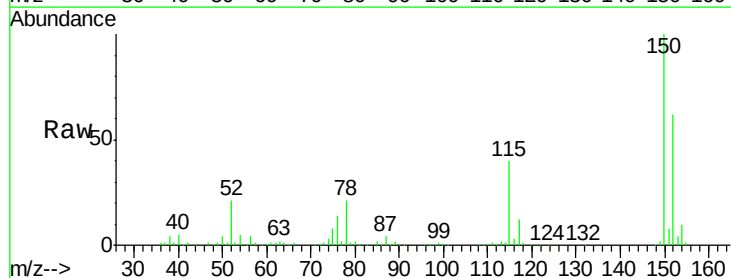


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

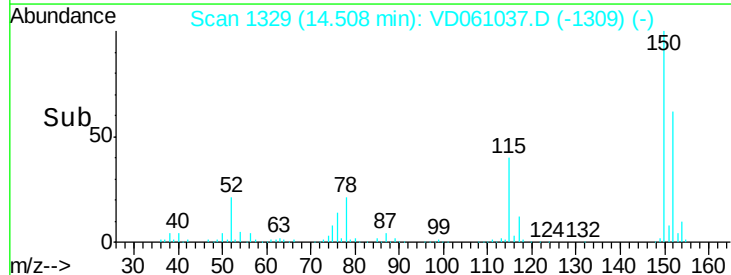
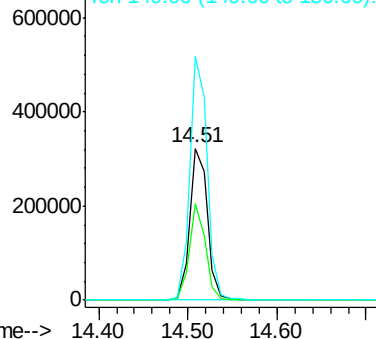


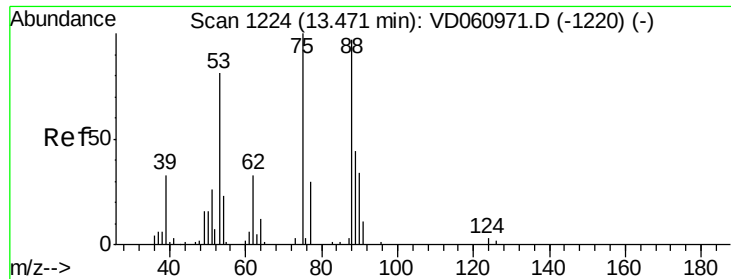
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061037.D
Acq: 13 Mar 2019 12:44

Tgt Ion:152 Resp: 444751
Ion Ratio Lower Upper
152 100
115 63.4 28.6 85.9
150 160.5 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: 89.543 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD061037.D
 Acq: 13 Mar 2019 12:44

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

