

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061040.D
 Acq On : 13 Mar 2019 14:18
 Operator : VA/AP
 Sample : K1866-05RE
 Misc : 8.02g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

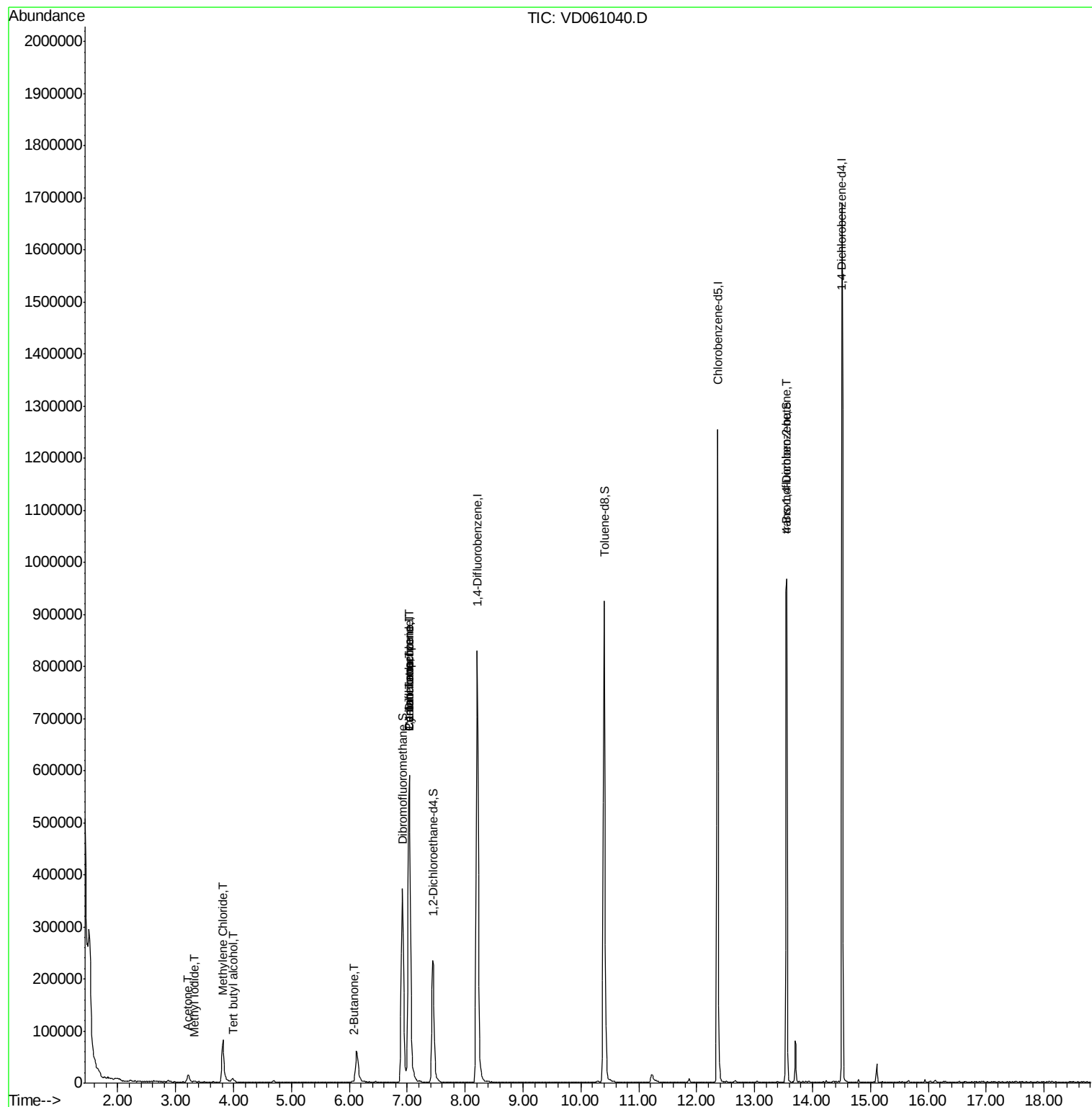
Quant Time: Mar 14 02:00:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

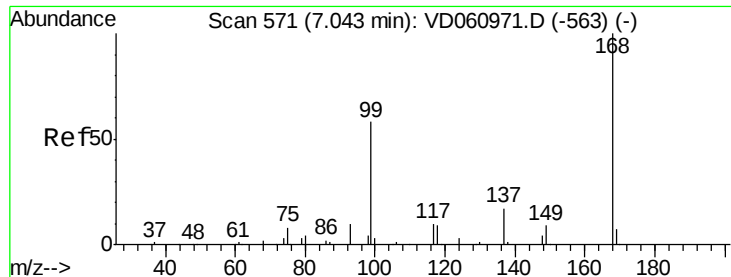
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	627601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1036433	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	861765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	407191	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	223795	42.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.68%	
35) Dibromofluoromethane	6.92	113	364311	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	10.40	98	826911	42.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.62%	
62) 4-Bromofluorobenzene	13.54	95	343920	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.32	142	2183	3.128	ug/l #	88
11) Tert butyl alcohol	3.98	59	7437	22.362	ug/l #	75
16) Acetone	3.22	43	29505	19.751	ug/l	95
20) Methylene Chloride	3.82	84	60142	4.594	ug/l	92
25) 2-Butanone	6.07	43	2256	1.331	ug/l #	55
31) Cyclohexane	7.04	56	10720	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	44429	4.973	ug/l #	46
38) Carbon Tetrachloride	7.04	117	59484	6.045	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.54	75	124363	72.006	ug/l #	17

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031319\
Data File : VD061040.D
Acq On : 13 Mar 2019 14:18
Operator : VA/AP
Sample : K1866-05RE
Misc : 8.02g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 02:00:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
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: VD061040.D

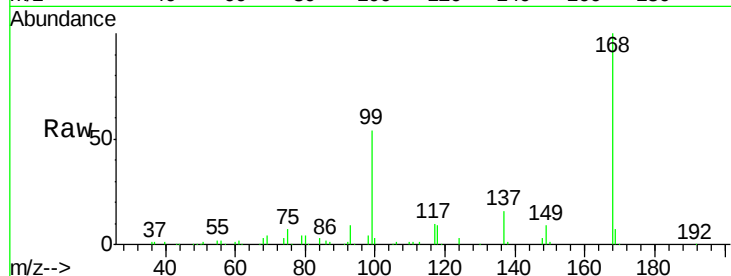
Acq: 13 Mar 2019 14:18

Tot Ion:168 Resp: 627601

Ion Ratio Lower Upper

168 100

99 54.5 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

250000

200000

150000

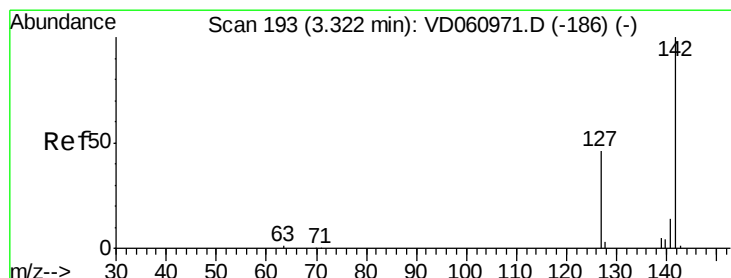
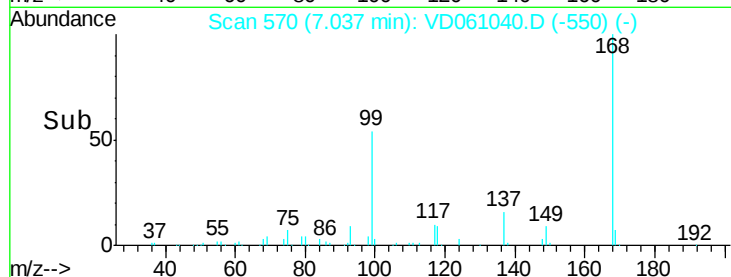
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.128 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061040.D

Acq: 13 Mar 2019 14:18

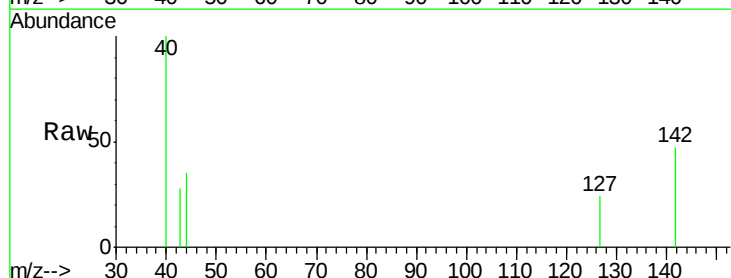
Tgt Ion:142 Resp: 2183

Ion Ratio Lower Upper

142 100

127 49.6 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

1000

800

600

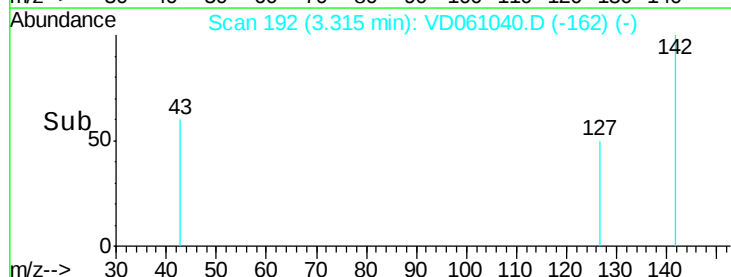
400

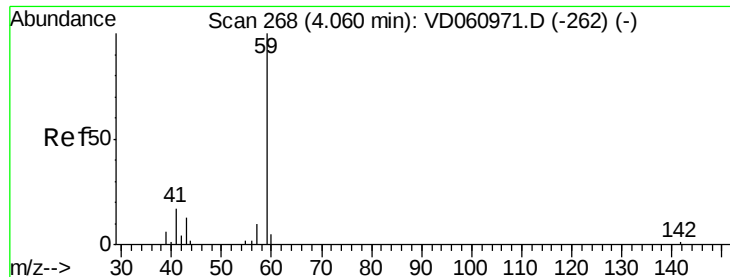
200

0

Time-->

3.25 3.30 3.35 3.40





#11

Tert butyl alcohol

Concen: 22.362 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD061040.D

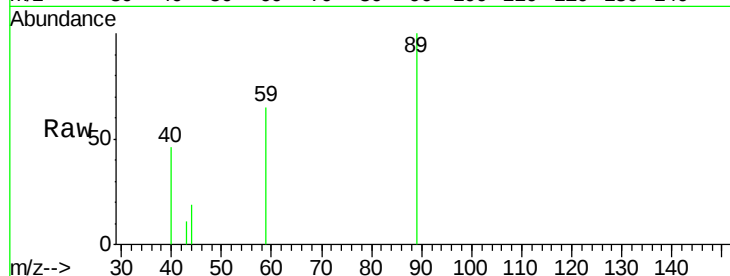
Acq: 13 Mar 2019 14:18

Tot Ion: 59 Resp: 7437

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

2500

2000

1500

1000

500

0

3.98

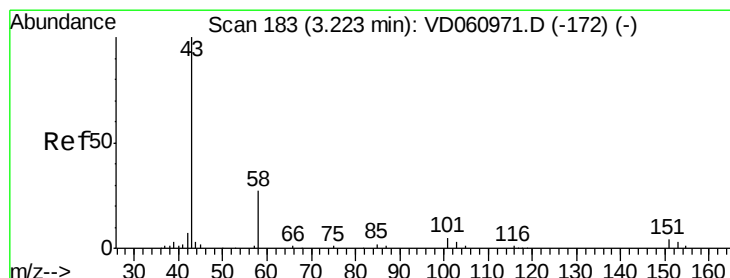
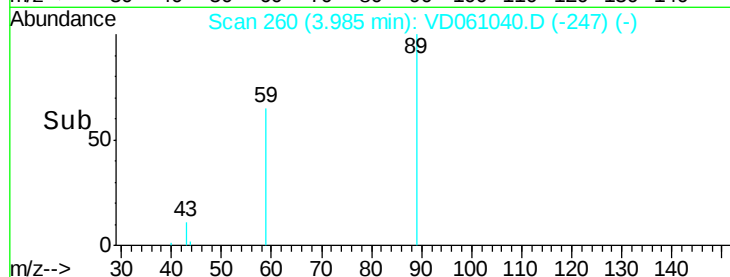
3.95

4.00

4.05

4.10

Time-->



#16

Acetone

Concen: 19.751 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061040.D

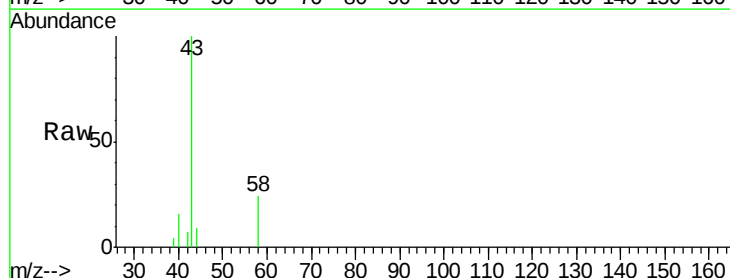
Acq: 13 Mar 2019 14:18

Tgt Ion: 43 Resp: 29505

Ion Ratio Lower Upper

43 100

58 24.5 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10000

8000

6000

4000

2000

0

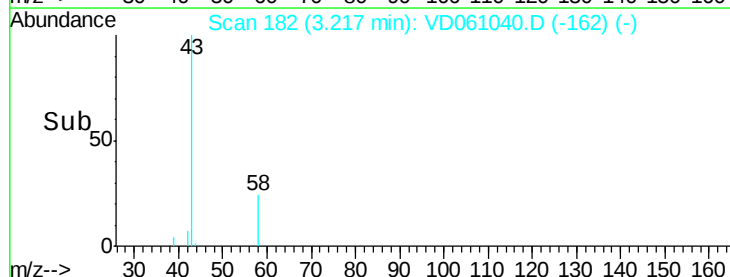
3.22

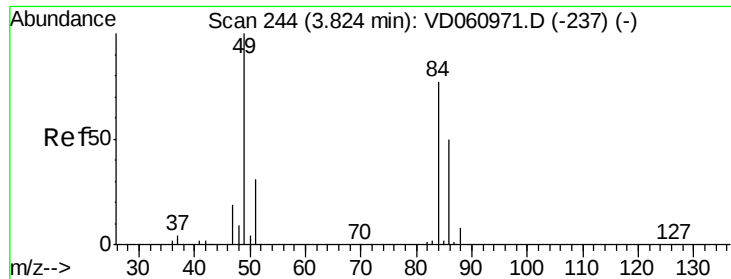
3.10

3.20

3.30

Time-->

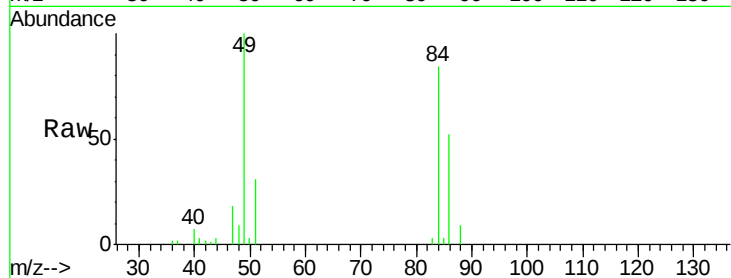




#20
Methvlene Chloride
Concen: 4.594 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061040.D
Acq: 13 Mar 2019 14:18

Tot Ion: 84 Resp: 60142

Ion	Ratio	Lower	Upper
84	100		
49	119.1	104.2	156.2
51	36.7	32.3	48.5
86	61.5	52.3	78.5

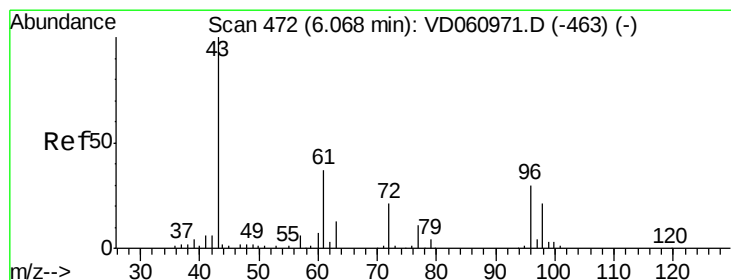
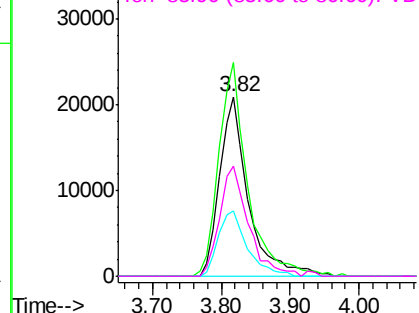
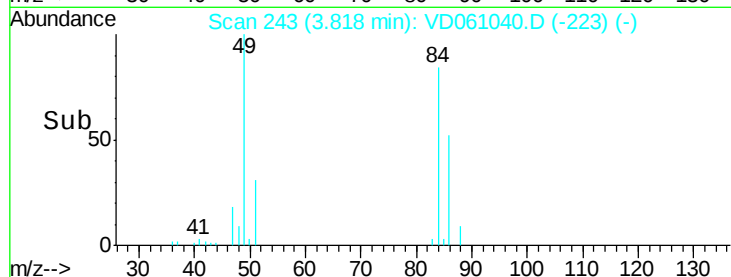


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

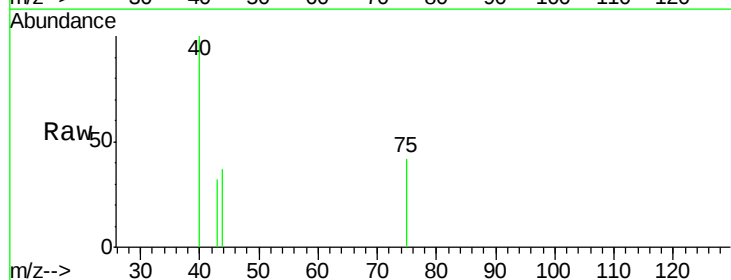
Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 1.331 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.00 min
Lab File: VD061040.D
Acq: 13 Mar 2019 14:18

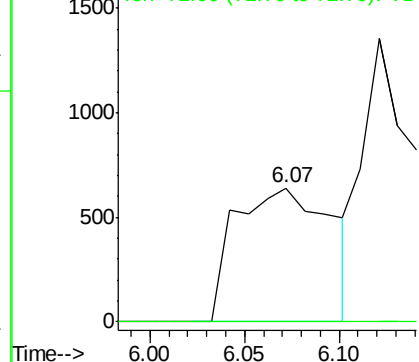
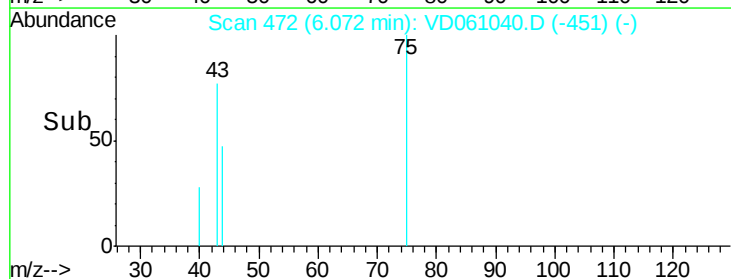
Tgt Ion: 43 Resp: 2256

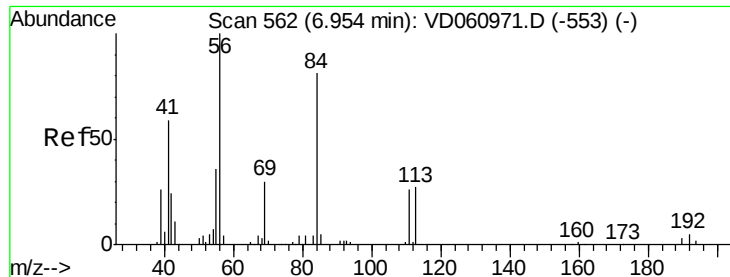
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

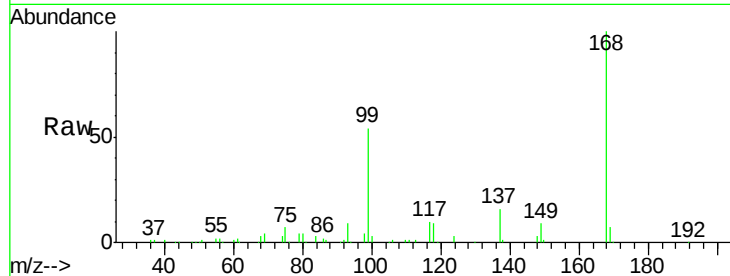
Ion 72.00 (71.70 to 72.70): VDC



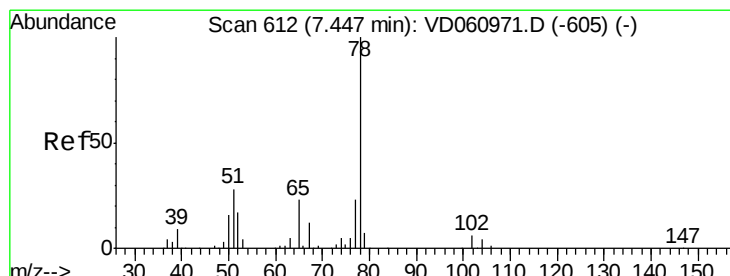
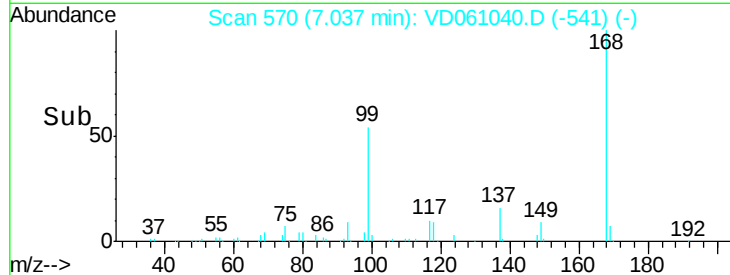
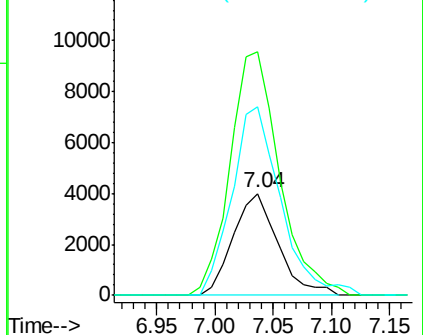


#31
Cvclohexane
Concen: 1.160 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061040.D
Acq: 13 Mar 2019 14:18

Tot Ion	56	Resp	10720
Ion Ratio	100		
Lower			
Upper			
56	100		
69	238.5	24.0	36.0#
84	185.4	65.8	98.6#

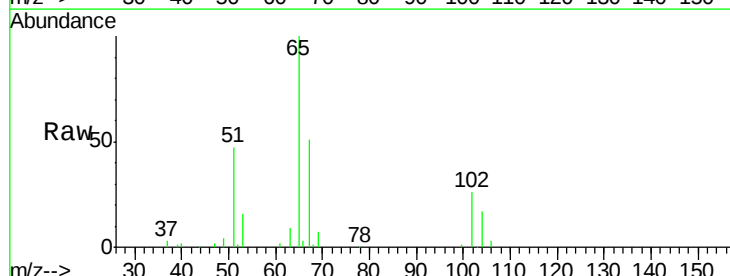


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

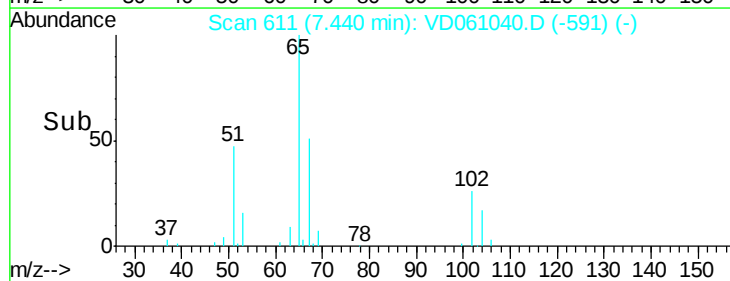
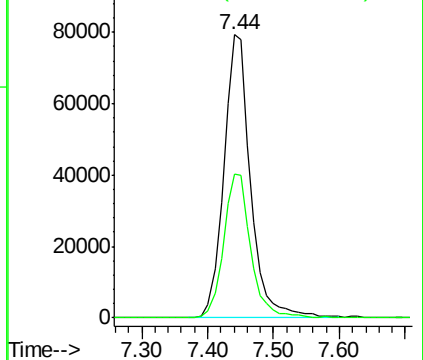


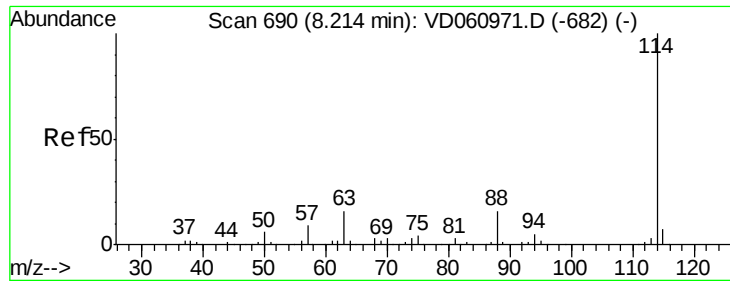
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061040.D
Acq: 13 Mar 2019 14:18

Tgt Ion	65	Resp	223795
Ion Ratio	100		
Lower			
Upper			
65	100		
67	50.9	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: VD061040.D

Acq: 13 Mar 2019 14:18

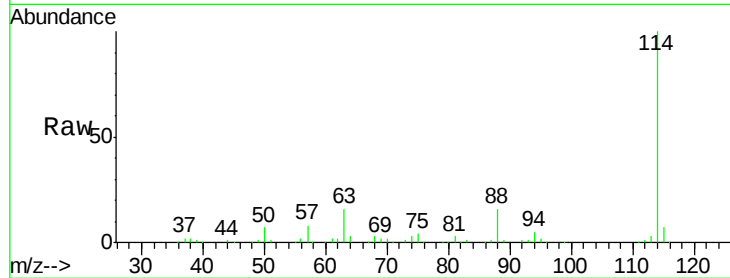
Tot Ion:114 Resp: 1036433

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.4

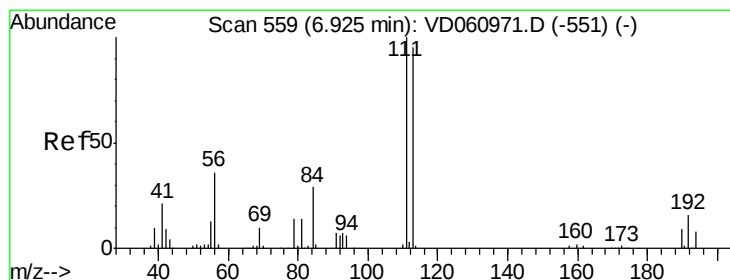
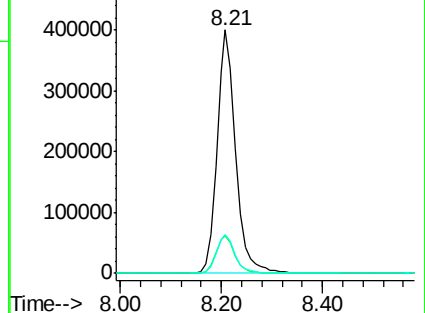
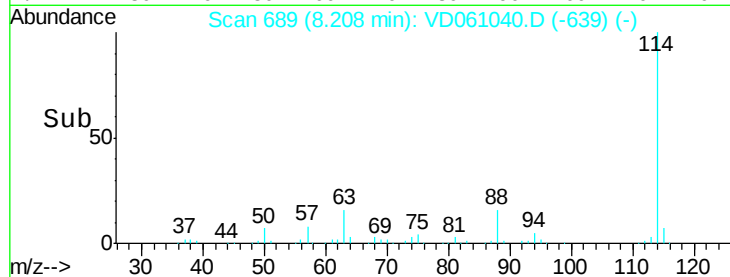
88 16.2 0.0 33.0



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: VD061040.D

Acq: 13 Mar 2019 14:18

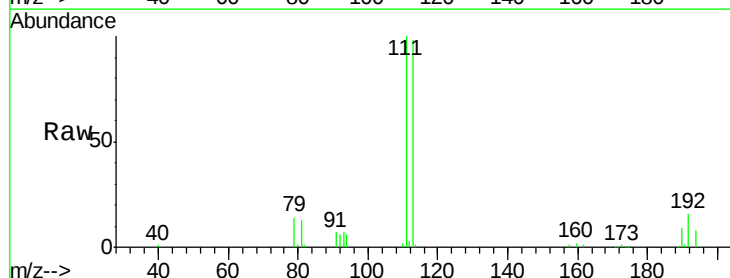
Tgt Ion:113 Resp: 364311

Ion Ratio Lower Upper

113 100

111 102.3 84.2 126.4

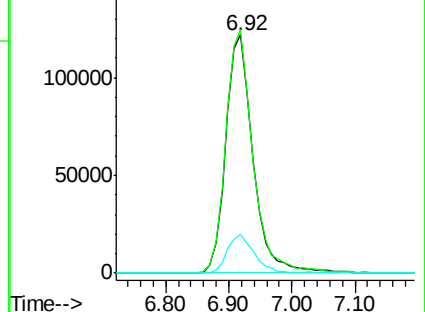
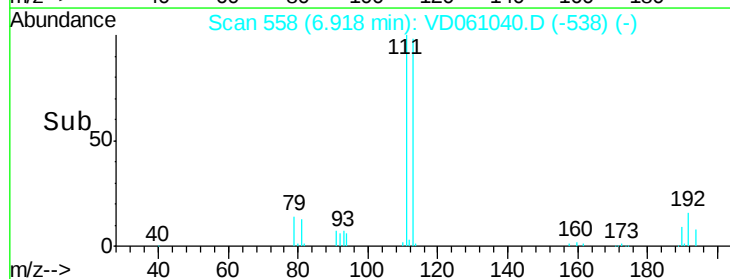
192 16.6 13.1 19.7

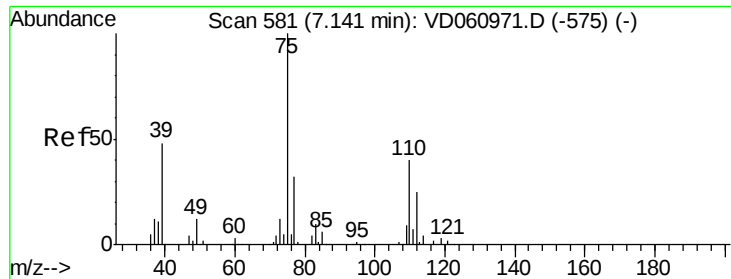


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.973 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD061040.D

Acq: 13 Mar 2019 14:18

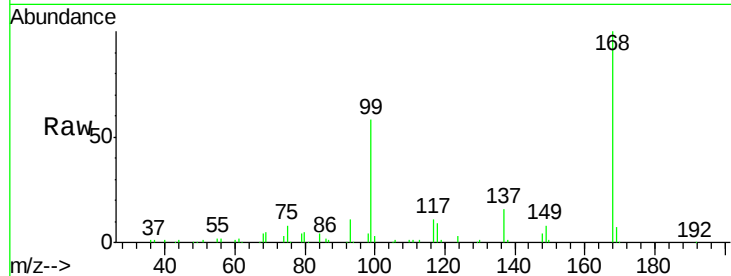
Tot Ion: 75 Resp: 44429

Ion Ratio Lower Upper

75 100

110 7.7 19.7 59.1#

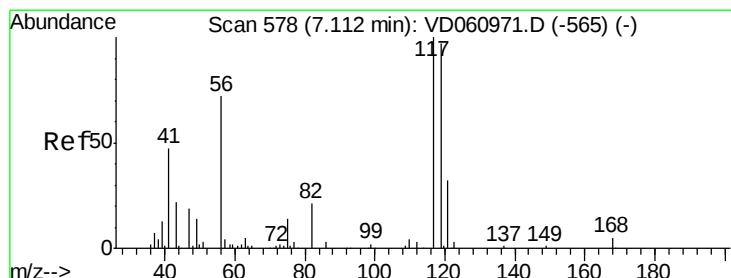
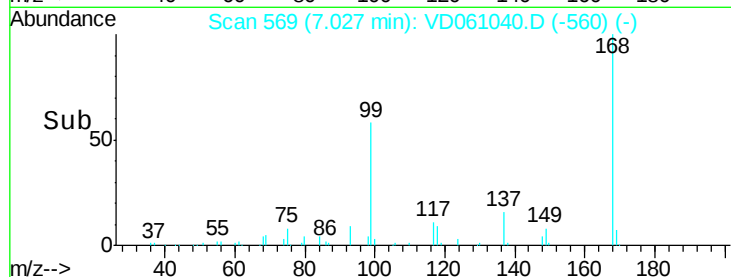
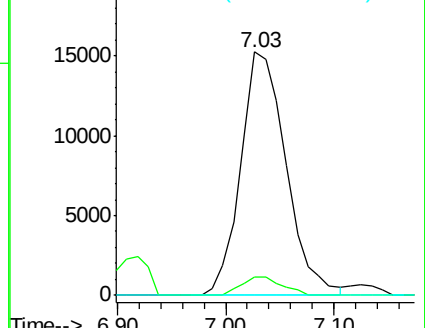
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061040.D

Acq: 13 Mar 2019 14:18

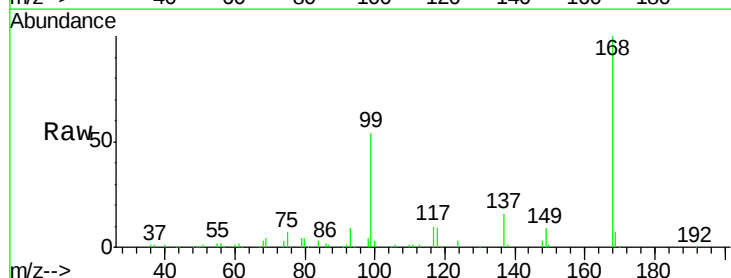
Tgt Ion: 117 Resp: 59484

Ion Ratio Lower Upper

117 100

119 3.8 77.8 116.8#

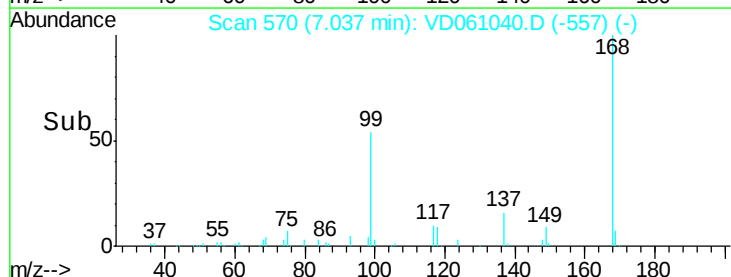
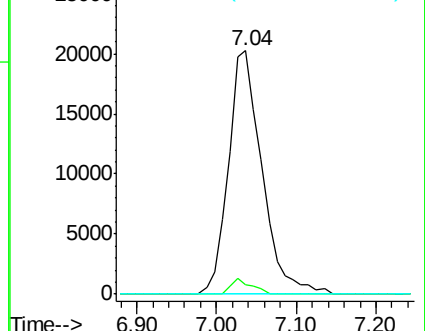
121 0.0 25.3 37.9#

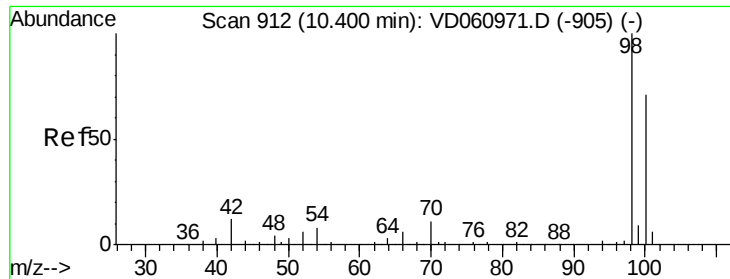


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061040.D

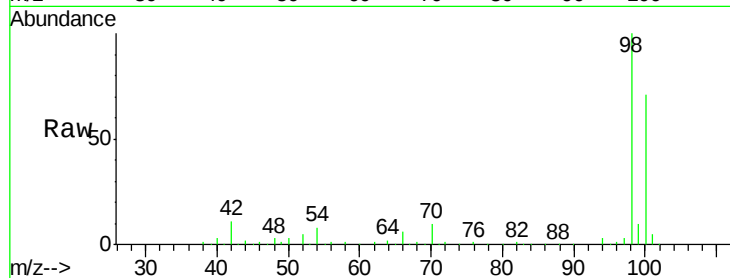
Acq: 13 Mar 2019 14:18

Tot Ion: 98 Resp: 826911

Ion Ratio Lower Upper

98 100

100 70.7 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

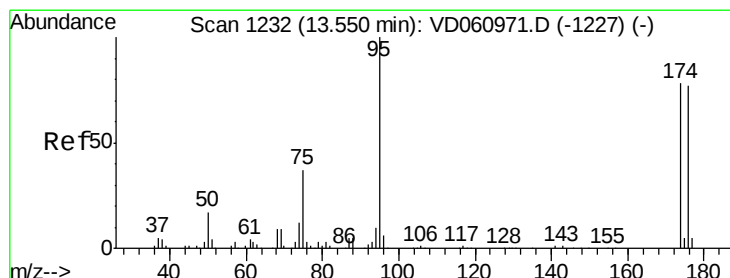
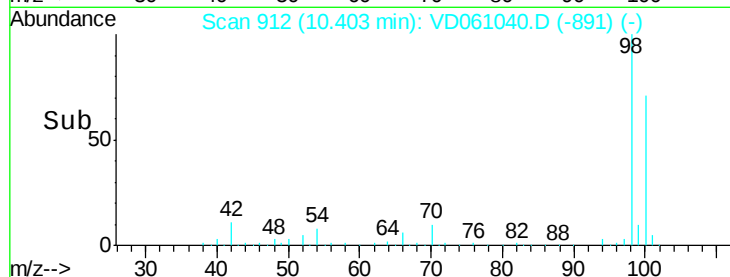
200000

100000

0

Time-->

10.30 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061040.D

Acq: 13 Mar 2019 14:18

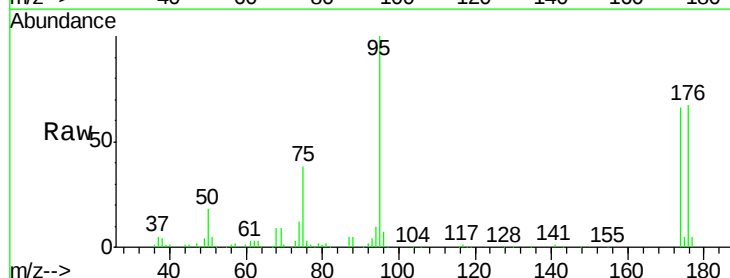
Tgt Ion: 95 Resp: 343920

Ion Ratio Lower Upper

95 100

174 66.4 0.0 155.6

176 67.3 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

300000

250000

200000

150000

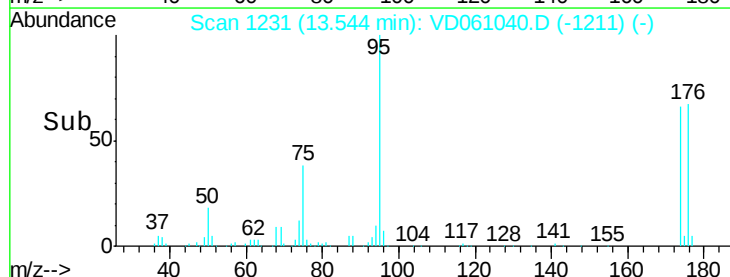
100000

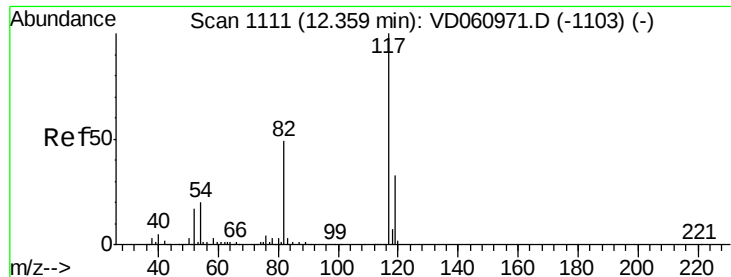
50000

0

Time-->

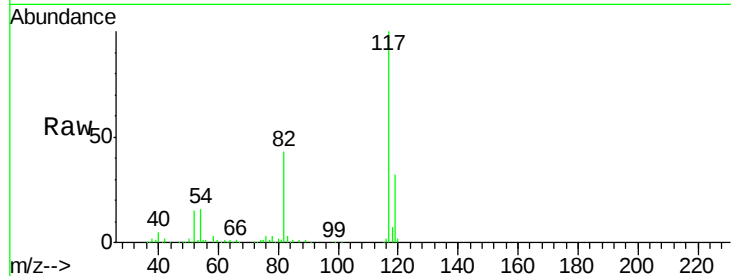
13.50 13.60



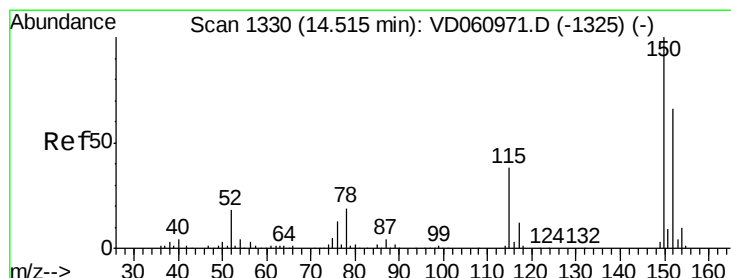
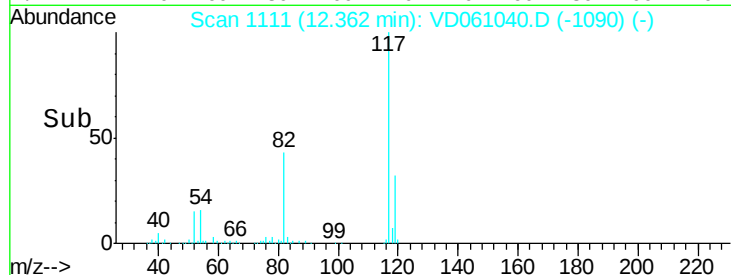
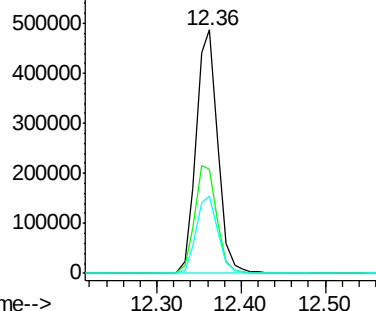


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061040.D
Acq: 13 Mar 2019 14:18

Tot Ion:117 Resp: 861765
Ion Ratio Lower Upper
117 100
82 42.9 38.9 58.3
119 31.8 26.6 39.8

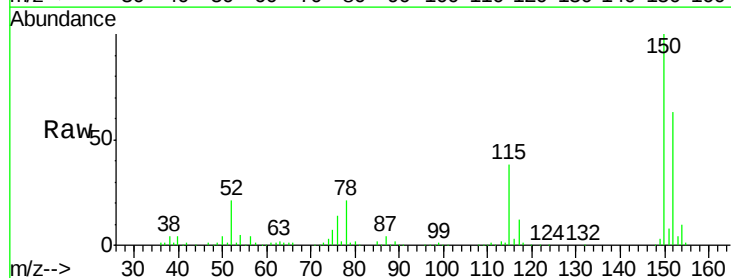


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

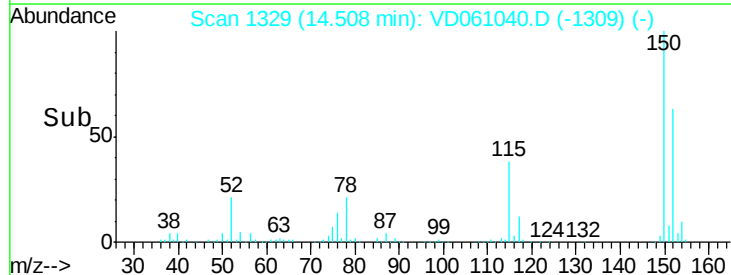
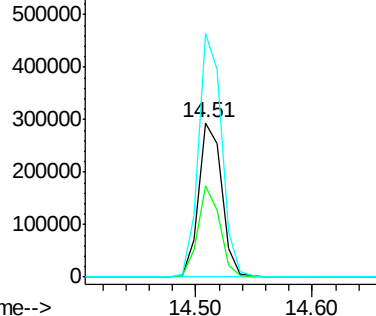


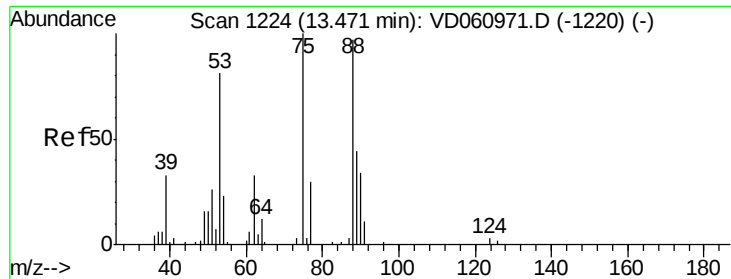
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061040.D
Acq: 13 Mar 2019 14:18

Tgt Ion:152 Resp: 407191
Ion Ratio Lower Upper
152 100
115 59.2 28.6 85.9
150 157.9 0.0 310.6



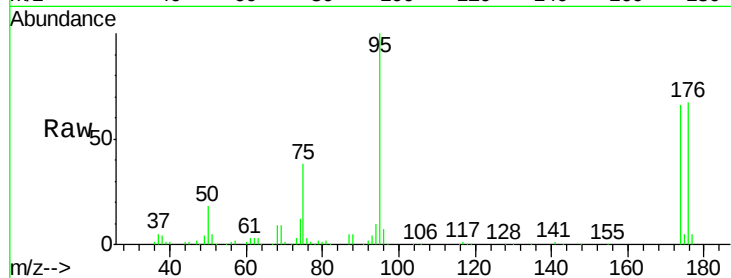
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.006 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD061040.D
 Acq: 13 Mar 2019 14:18

Tot 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

