

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061042.D
 Acq On : 13 Mar 2019 15:13
 Operator : VA/AP
 Sample : K1866-09RE
 Misc : 5.89g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 02:01:04 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	7.03	168	515313	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	952648	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	779244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	353385	50.00	ug/l	0.00

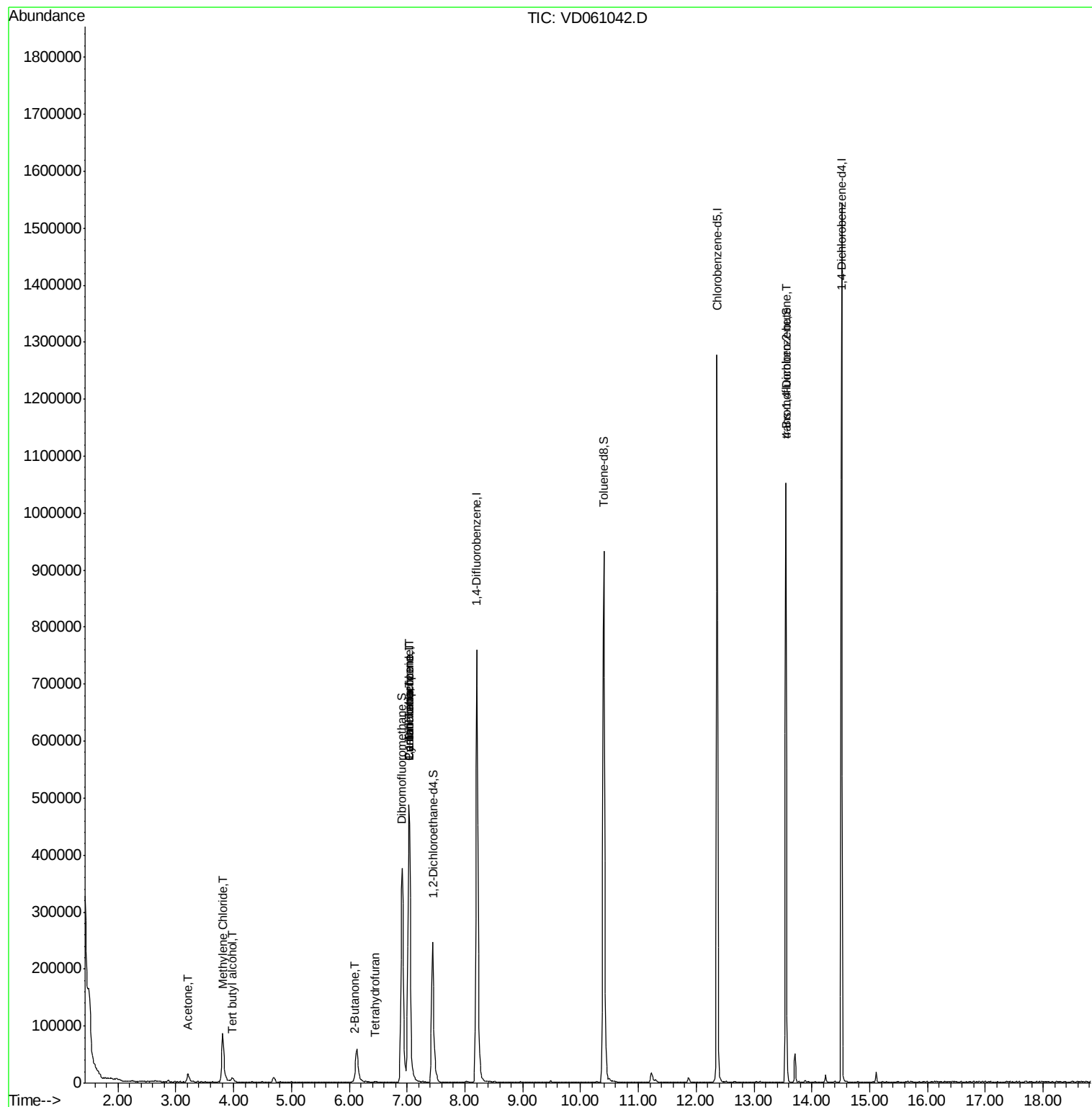
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	232570	54.22	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	108.44%	
35) Dibromofluoromethane	6.91	113	365551	51.71	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	103.42%	
50) Toluene-d8	10.40	98	833666	46.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	13.55	95	324889	47.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	7618	27.898	ug/l #	75
16) Acetone	3.21	43	30510	24.874	ug/l	100
20) Methylene Chloride	3.81	84	67382	8.144	ug/l	91
25) 2-Butanone	6.08	43	1561	1.122	ug/l #	55
29) Tetrahydrofuran	6.45	42	1645	2.177	ug/l #	42
31) Cyclohexane	7.03	56	8052	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	37875	4.612	ug/l #	45
38) Carbon Tetrachloride	7.03	117	46965	5.192	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	120911	80.667	ug/l #	17

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061042.D

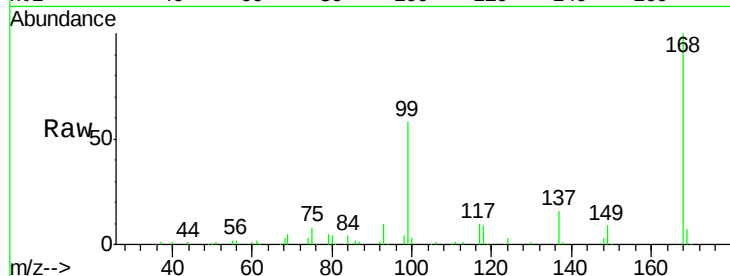
Acq: 13 Mar 2019 15:13

Tot Ion: 168 Resp: 515313

Ion Ratio Lower Upper

168 100

99 57.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

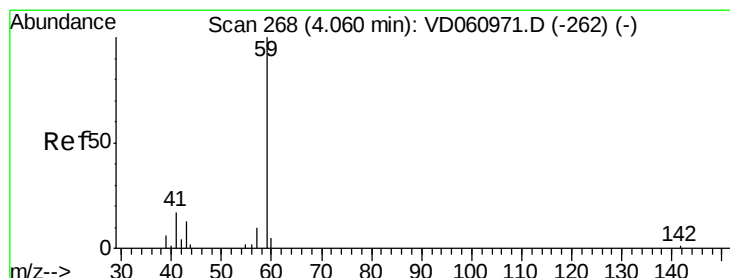
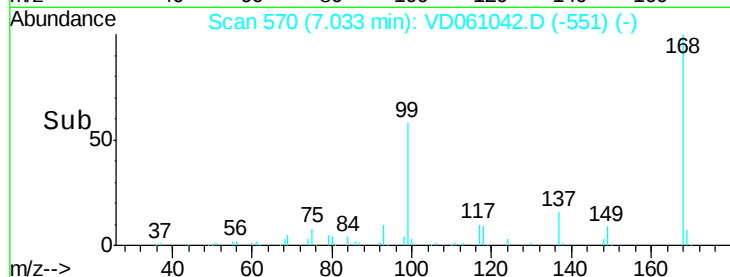
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 27.898 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD061042.D

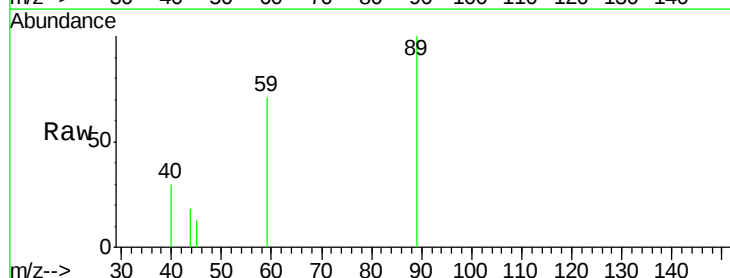
Acq: 13 Mar 2019 15:13

Tgt Ion: 59 Resp: 7618

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

3.98

3000

2500

2000

1500

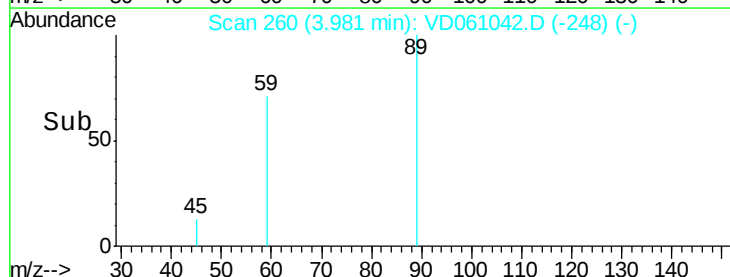
1000

500

0

Time-->

3.90 3.95 4.00 4.05





#16

Acetone

Concen: 24.874 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061042.D

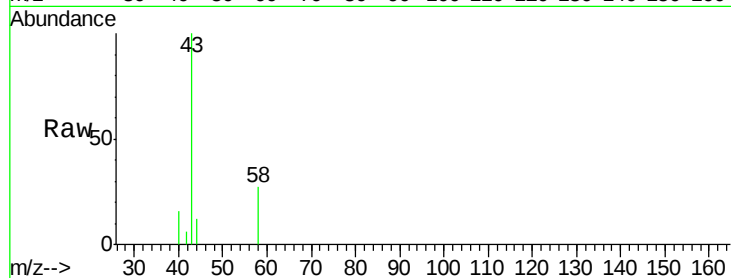
Acq: 13 Mar 2019 15:13

Tot Ion: 43 Resp: 30510

Ion Ratio Lower Upper

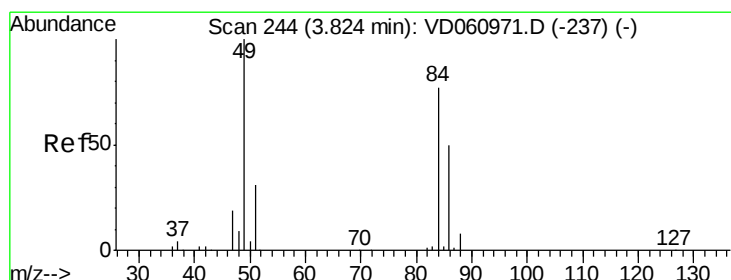
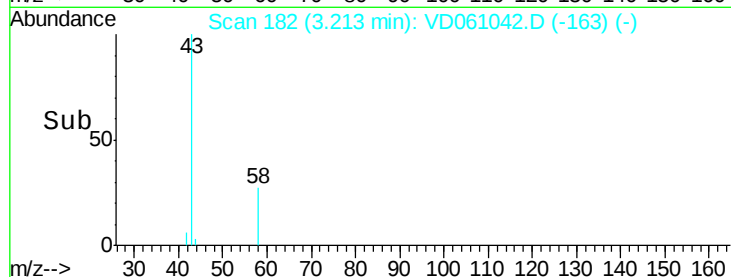
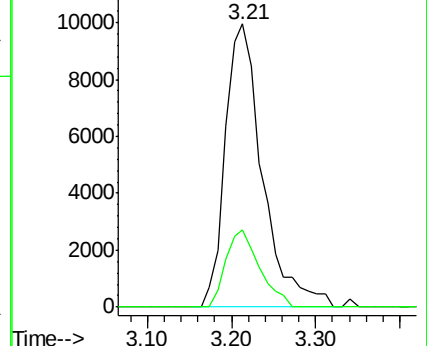
43 100

58 27.3 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: 8.144 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061042.D

Acq: 13 Mar 2019 15:13

Tgt Ion: 84 Resp: 67382

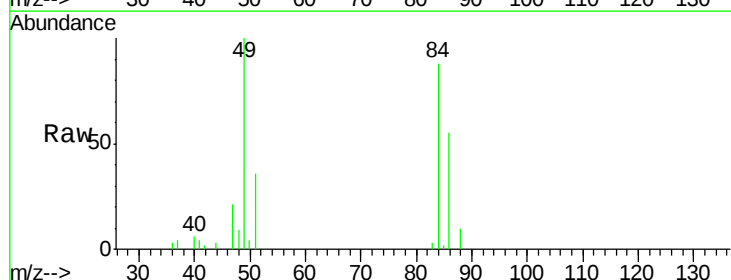
Ion Ratio Lower Upper

84 100

49 113.9 104.2 156.2

51 40.9 32.3 48.5

86 63.0 52.3 78.5

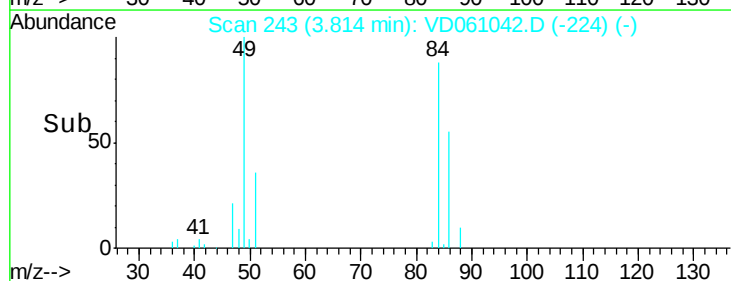
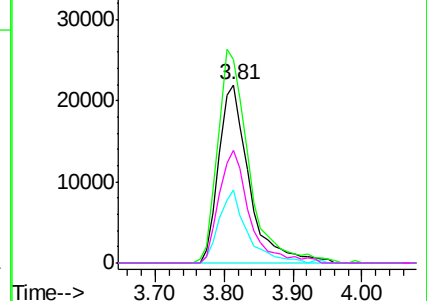


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.122 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061042.D

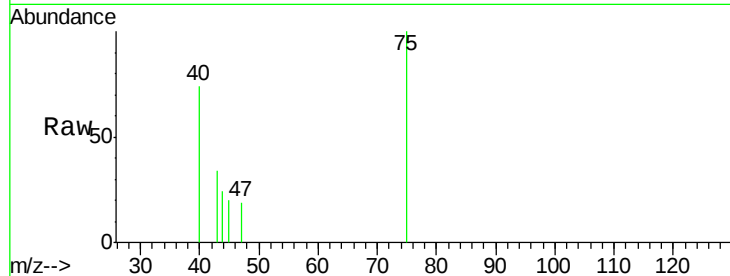
Acq: 13 Mar 2019 15:13

Tot Ion: 43 Resp: 1561

Ion Ratio Lower Upper

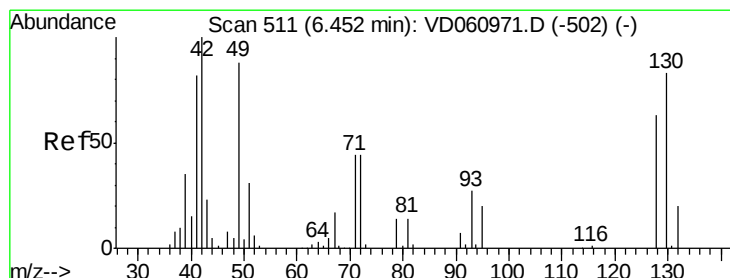
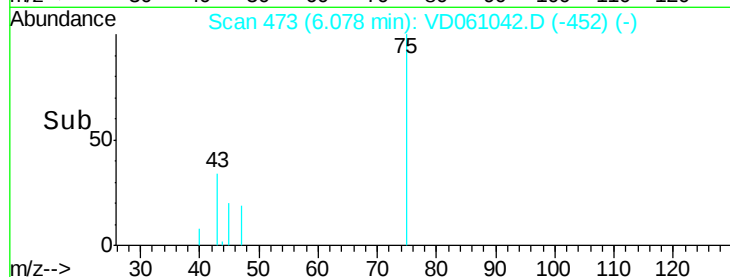
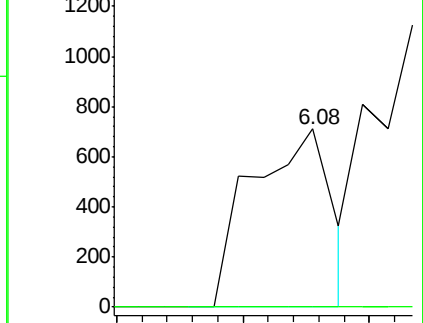
43 100

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



#29

Tetrahydrofuran

Concen: 2.177 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD061042.D

Acq: 13 Mar 2019 15:13

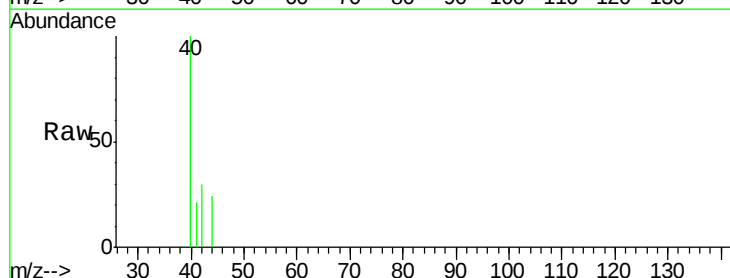
Tgt Ion: 42 Resp: 1645

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

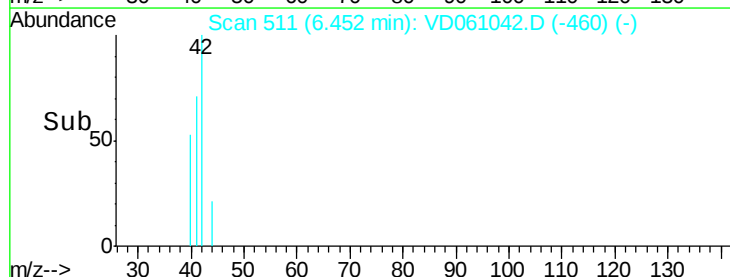
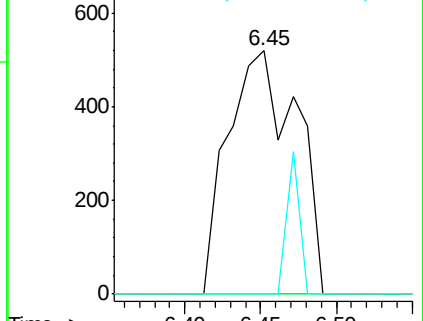
71 10.9 33.8 50.6#

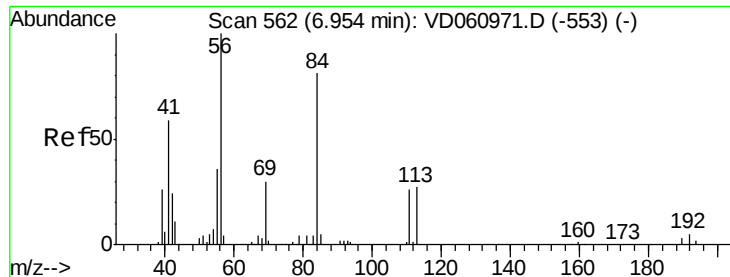


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

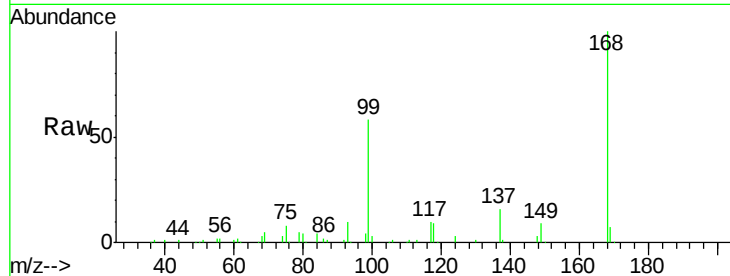
Ion 71.00 (70.70 to 71.70): VDC



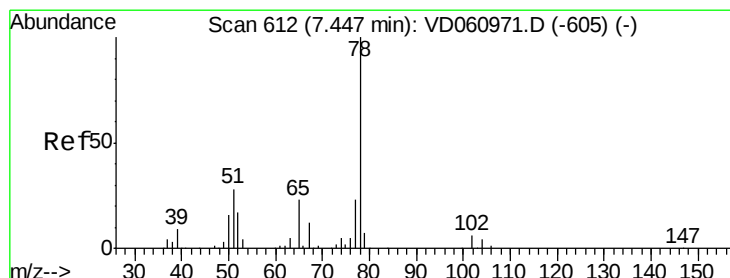
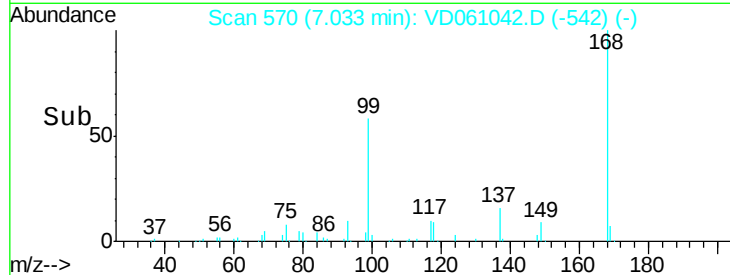
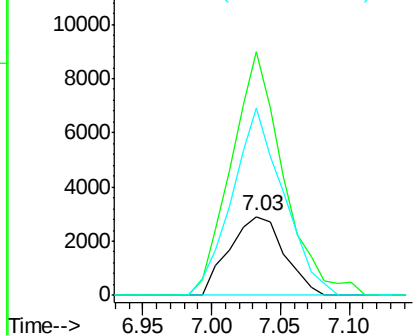


#31
Cvclohexane
Concen: 1.061 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061042.D
Acq: 13 Mar 2019 15:13

Tot Ion: 56 Resp: 8052
Ion Ratio Lower Upper
56 100
69 309.4 24.0 36.0#
84 238.2 65.8 98.6#

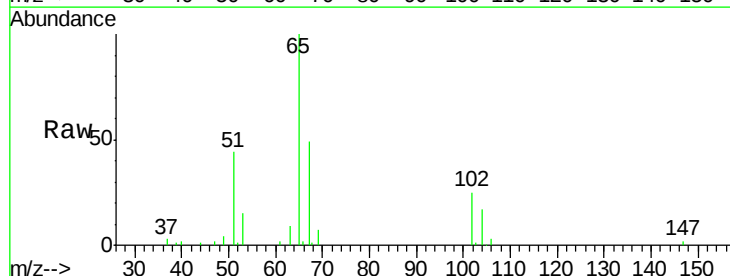


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

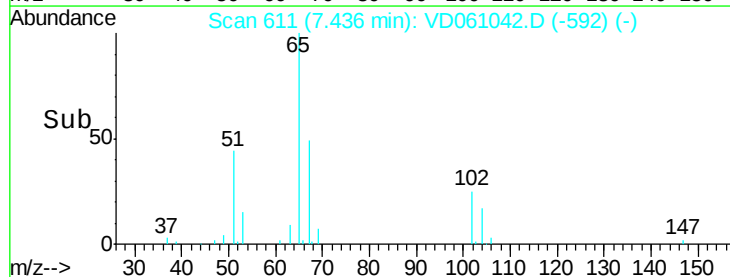
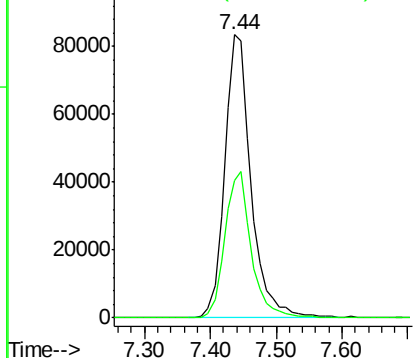


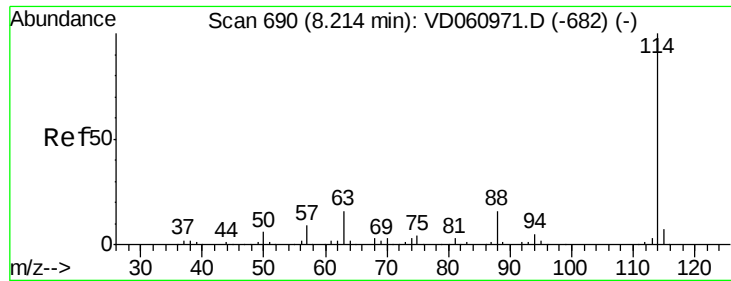
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061042.D
Acq: 13 Mar 2019 15:13

Tgt Ion: 65 Resp: 232570
Ion Ratio Lower Upper
65 100
67 48.7 0.0 105.2



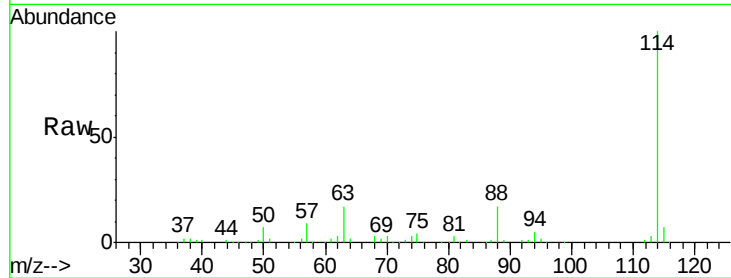
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



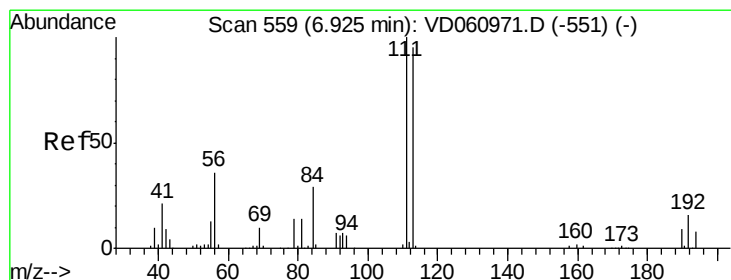
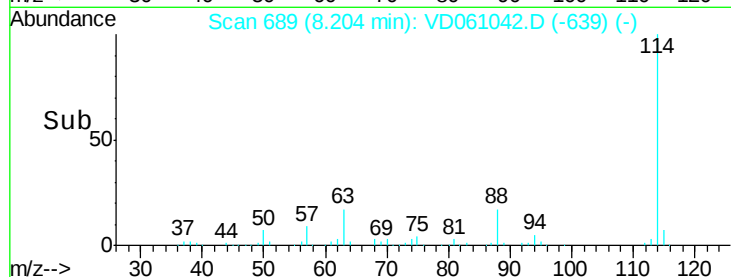
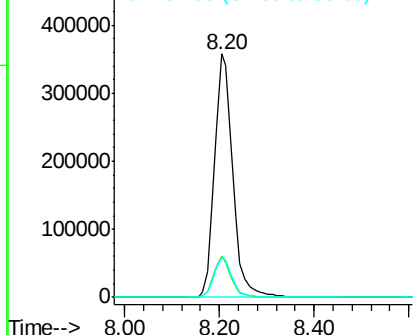


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061042.D
 Acq: 13 Mar 2019 15:13

Tot Ion:114 Resp: 952648
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.4
 88 16.6 0.0 33.0

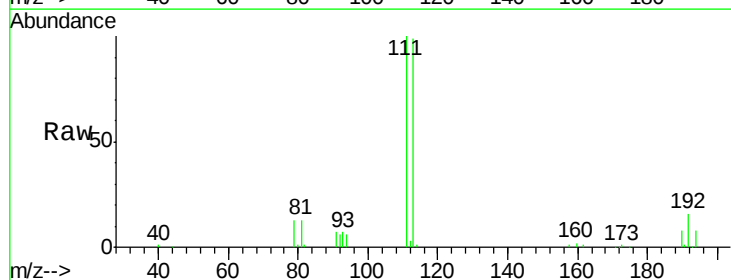


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

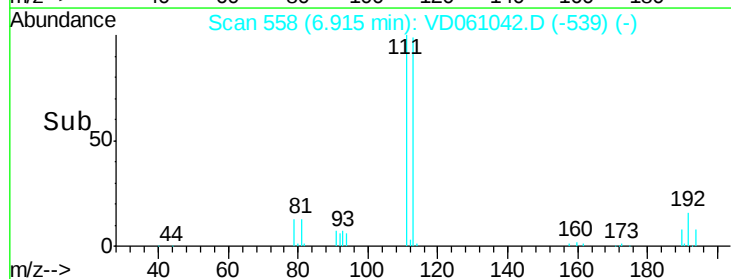
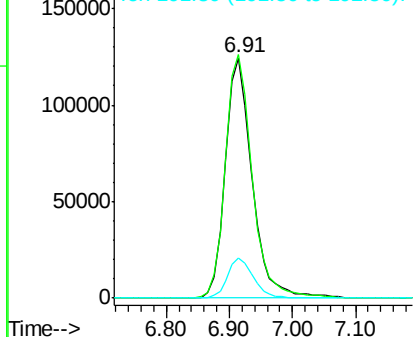


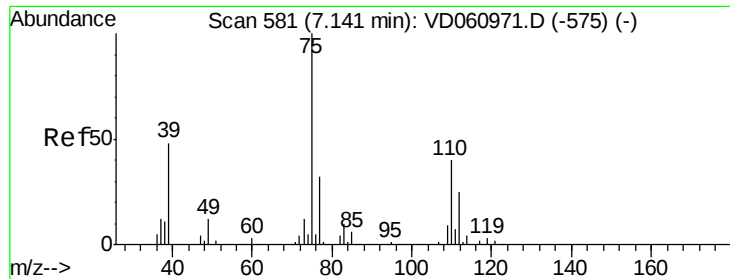
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061042.D
 Acq: 13 Mar 2019 15:13

Tgt Ion:113 Resp: 365551
 Ion Ratio Lower Upper
 113 100
 111 101.4 84.2 126.4
 192 16.4 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: 4.612 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061042.D

Acq: 13 Mar 2019 15:13

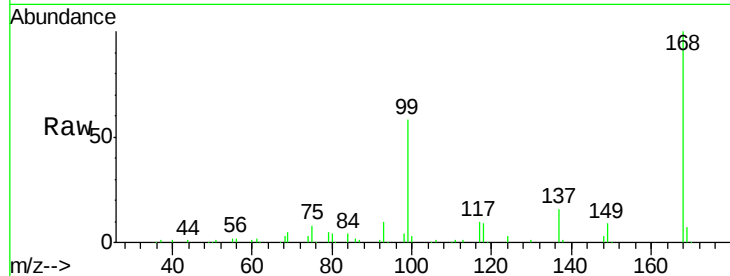
Tot Ion: 75 Resp: 37875

Ion Ratio Lower Upper

75 100

110 6.3 19.7 59.1#

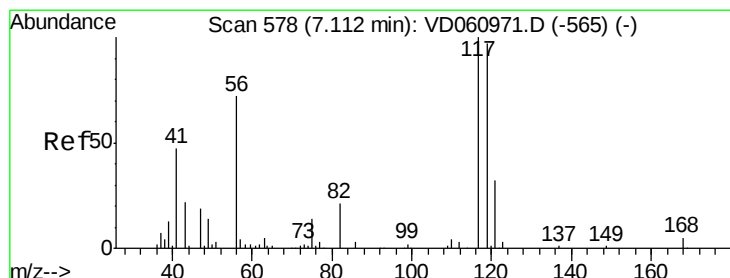
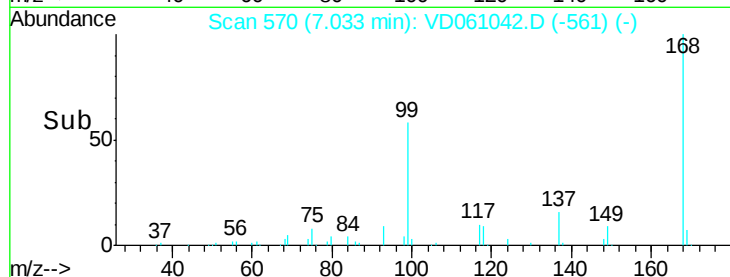
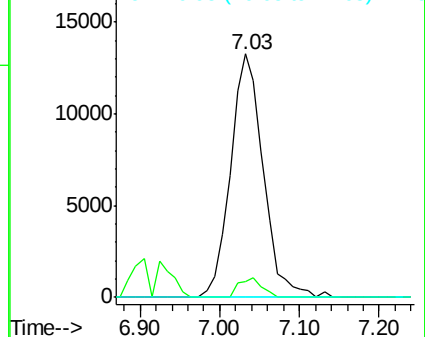
77 0.0 24.7 37.1#



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: 5.192 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061042.D

Acq: 13 Mar 2019 15:13

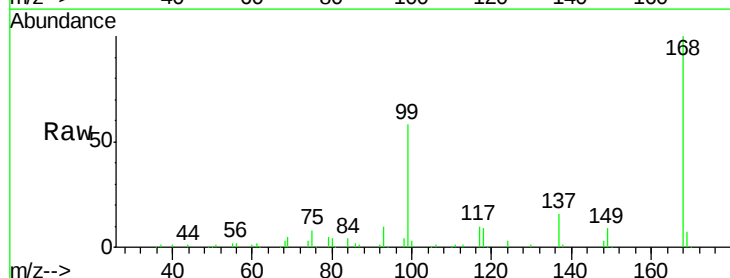
Tgt Ion: 117 Resp: 46965

Ion Ratio Lower Upper

117 100

119 4.9 77.8 116.8#

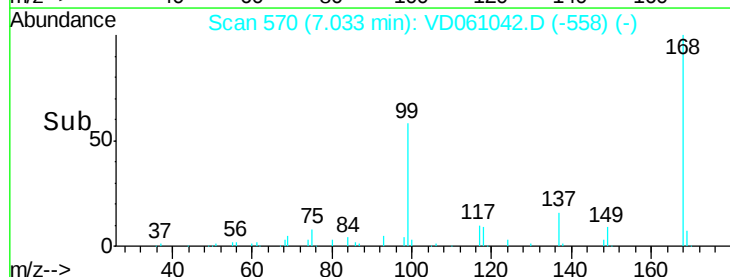
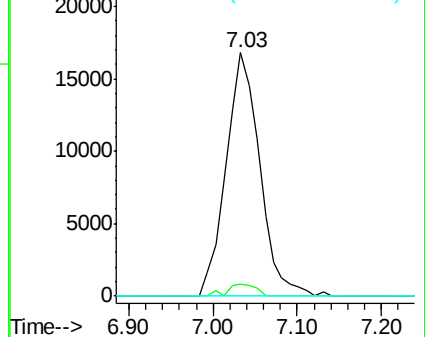
121 0.0 25.3 37.9#

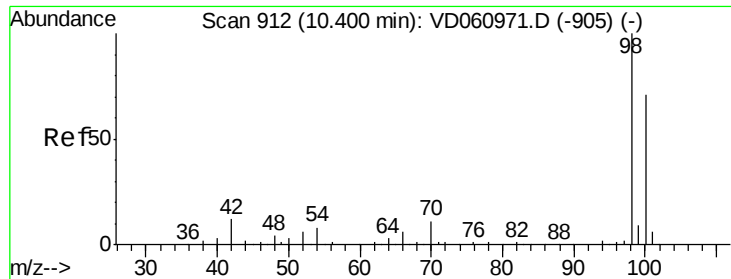


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD061042.D

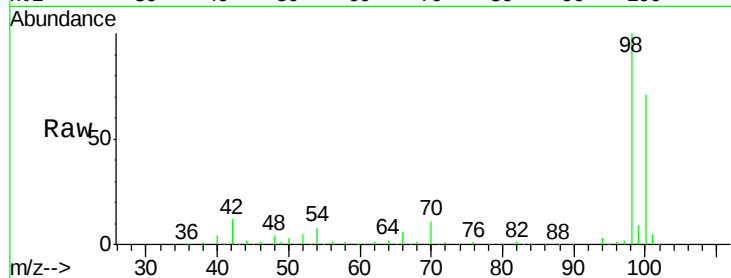
Acq: 13 Mar 2019 15:13

Tot Ion: 98 Resp: 833666

Ion Ratio Lower Upper

98 100

100 70.9 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

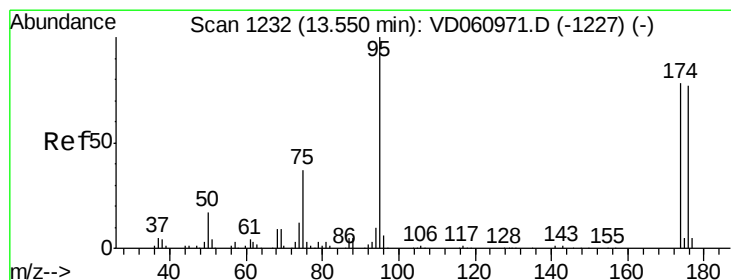
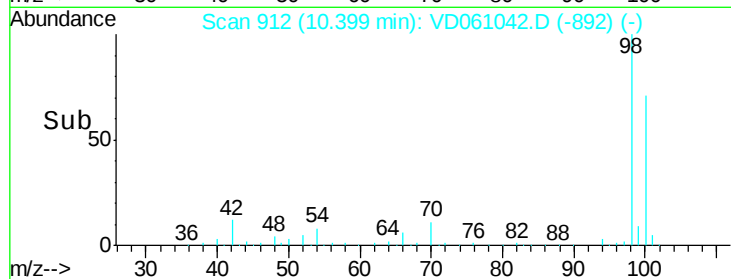
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061042.D

Acq: 13 Mar 2019 15:13

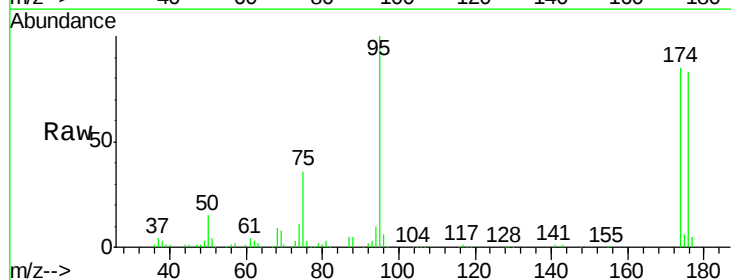
Tgt Ion: 95 Resp: 324889

Ion Ratio Lower Upper

95 100

174 85.1 0.0 155.6

176 83.0 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) (-)

13.55

300000

250000

200000

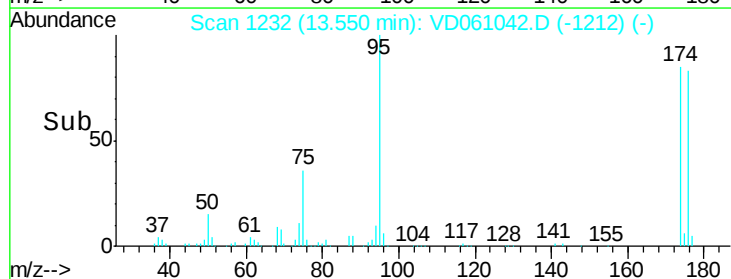
150000

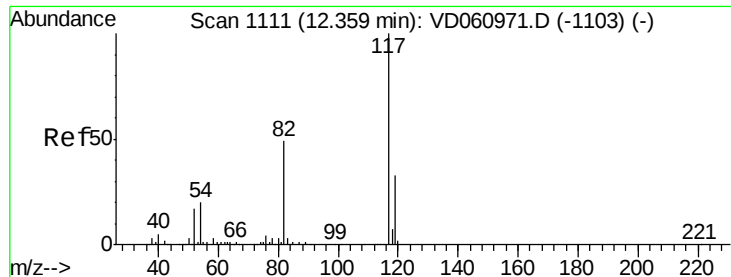
100000

50000

0

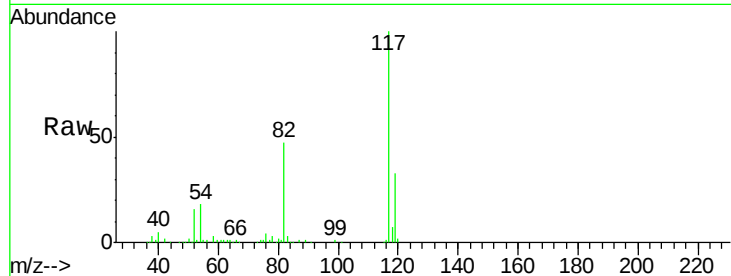
Time-->



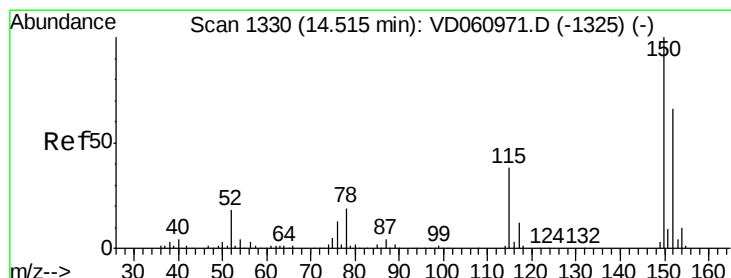
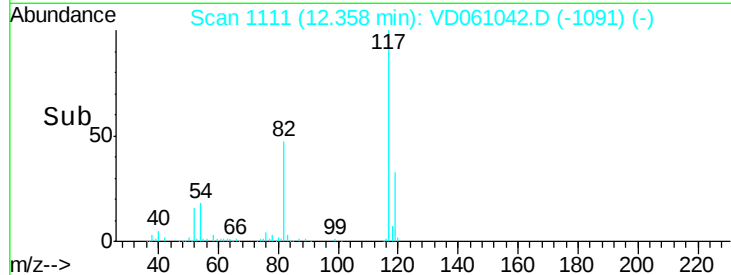
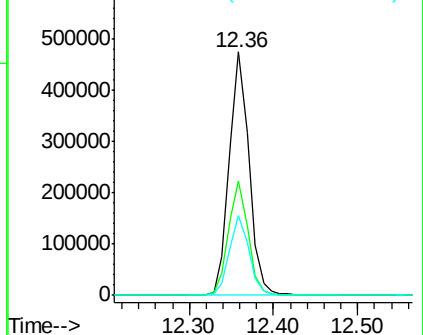


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061042.D
Acq: 13 Mar 2019 15:13

Tot Ion:117 Resp: 779244
Ion Ratio Lower Upper
117 100
82 47.2 38.9 58.3
119 33.0 26.6 39.8

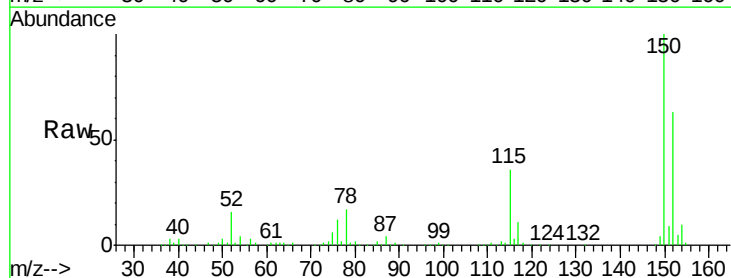


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

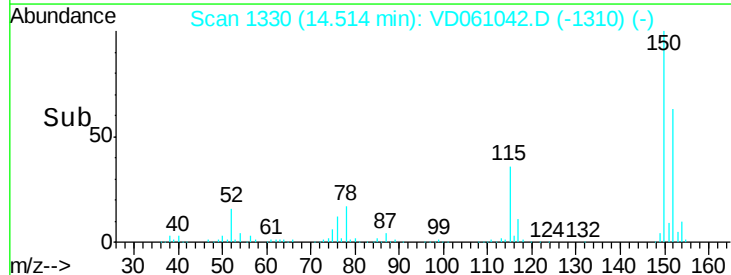
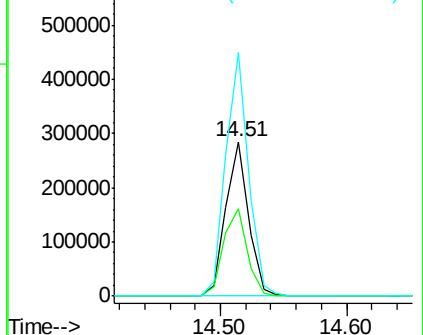


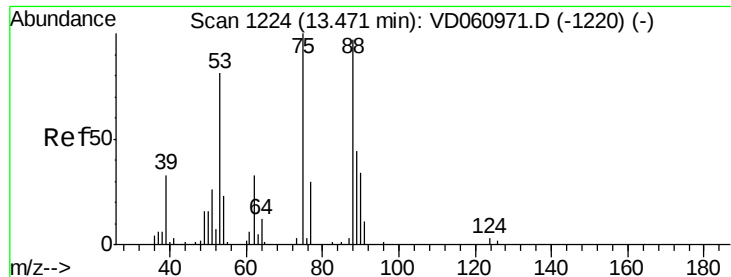
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061042.D
Acq: 13 Mar 2019 15:13

Tgt Ion:152 Resp: 353385
Ion Ratio Lower Upper
152 100
115 56.5 28.6 85.9
150 157.7 0.0 310.6



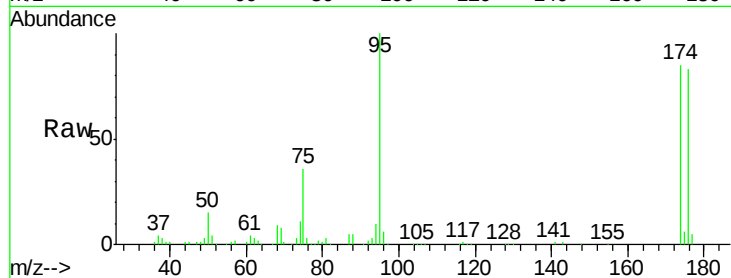
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.667 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061042.D
 Acq: 13 Mar 2019 15:13

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

