

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061044.D
 Acq On : 13 Mar 2019 16:08
 Operator : VA/AP
 Sample : K1866-15RE
 Misc : 5.55g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

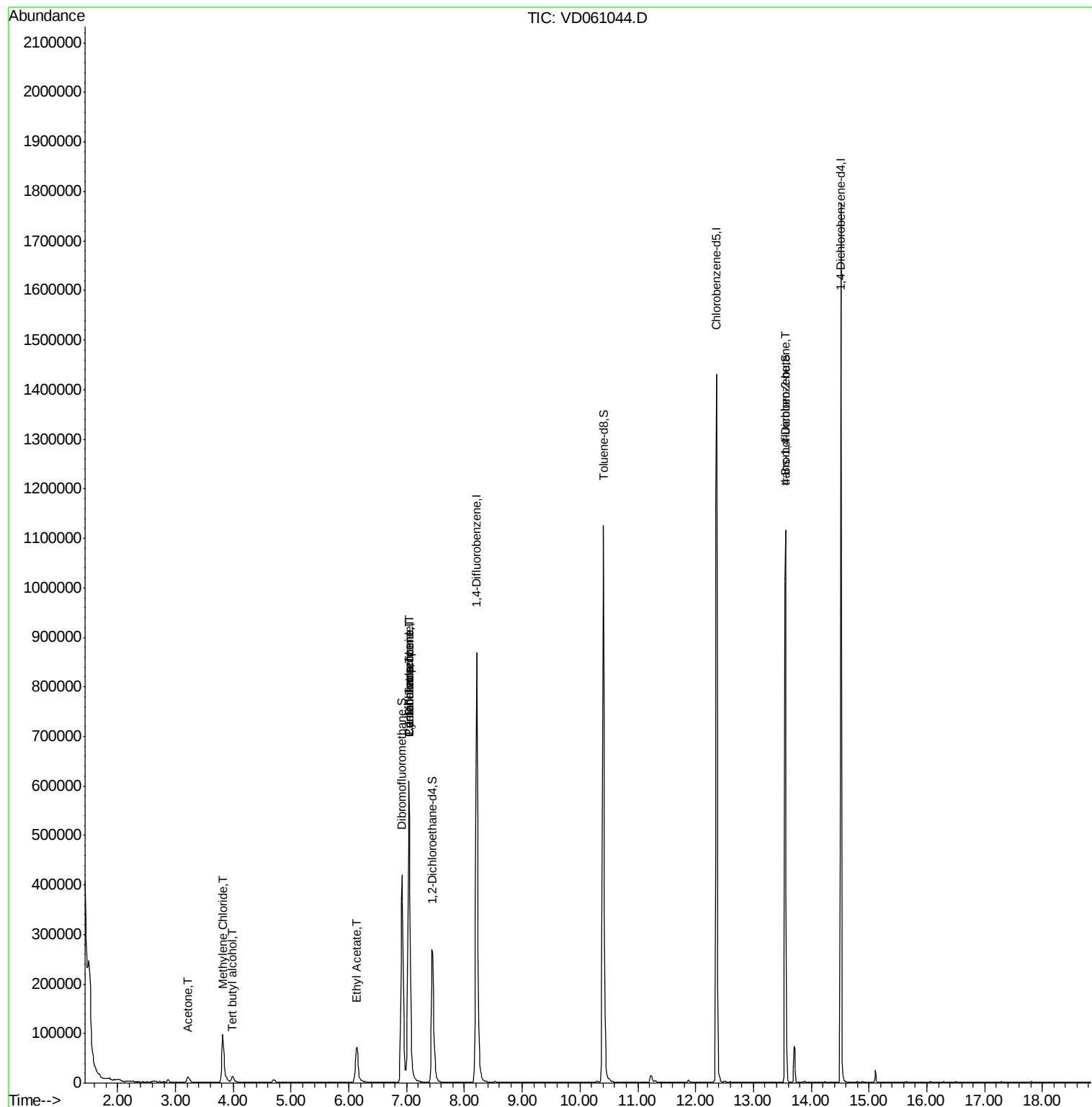
Quant Time: Mar 14 02:01:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

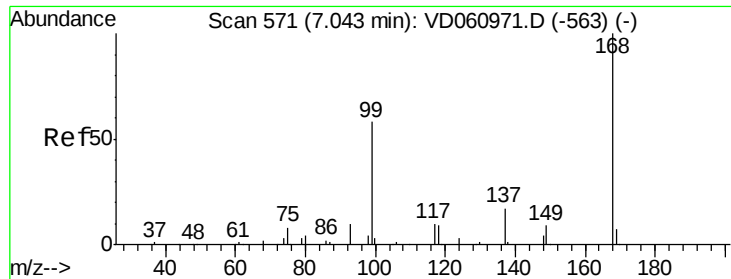
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	625210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1096094	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	911950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	426202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	259996	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	6.92	113	408264	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.40	98	973640	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	13.55	95	383970	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
Target Compounds						
5) Bromomethane	2.19	94	225	Below Cal	#	8
11) Tert butyl alcohol	3.99	59	11955	36.084	ug/l #	75
16) Acetone	3.22	43	23114	15.532	ug/l	95
20) Methylene Chloride	3.82	84	73132	6.743	ug/l	95
31) Cyclohexane	7.04	56	9581	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	46726	4.945	ug/l #	47
37) Ethyl Acetate	6.13	43	4667	1.053	ug/l #	37
38) Carbon Tetrachloride	7.04	117	62524	6.008	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.54	75	142530	78.844	ug/l #	17

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

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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# 570

Delta R.T. -0.01 min

Lab File: VD061044.D

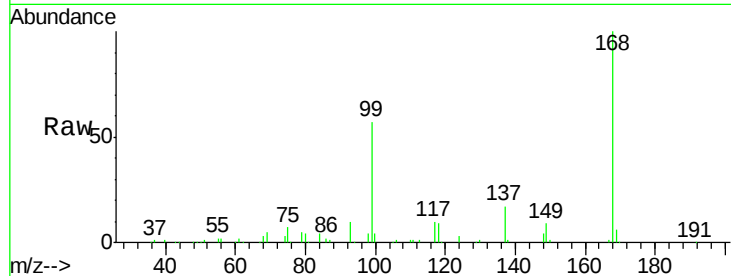
Acq: 13 Mar 2019 16:08

Tot Ion:168 Resp: 625210

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

7.04

250000

200000

150000

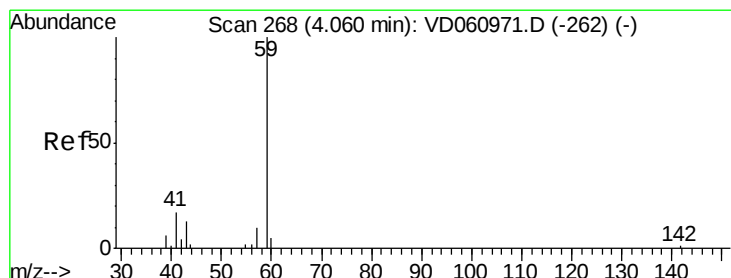
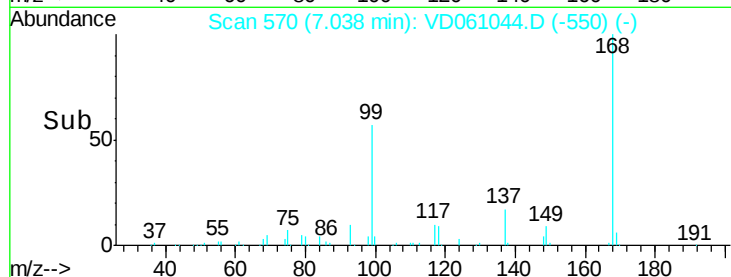
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 36.084 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.07 min

Lab File: VD061044.D

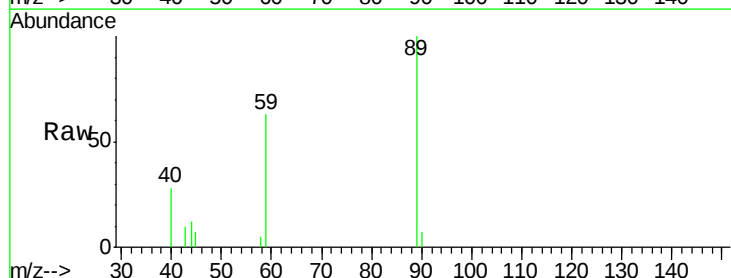
Acq: 13 Mar 2019 16:08

Tgt Ion: 59 Resp: 11955

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

4000

3000

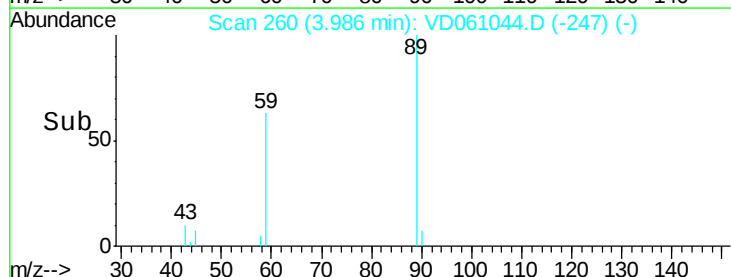
2000

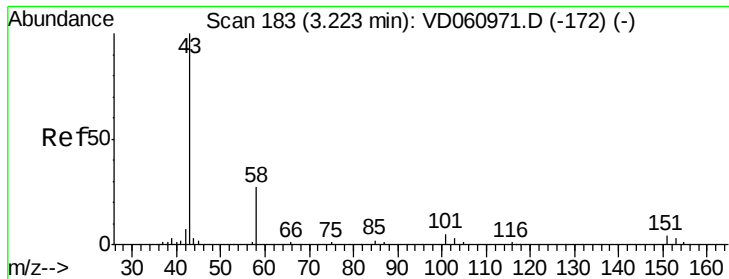
1000

0

3.90 4.00 4.10

Time-->





#16

Acetone

Concen: 15.532 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061044.D

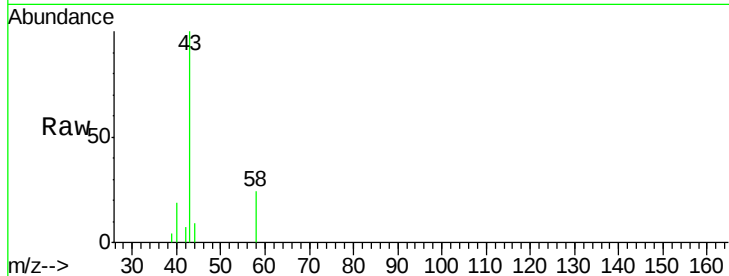
Acq: 13 Mar 2019 16:08

Tot Ion: 43 Resp: 23114

Ion Ratio Lower Upper

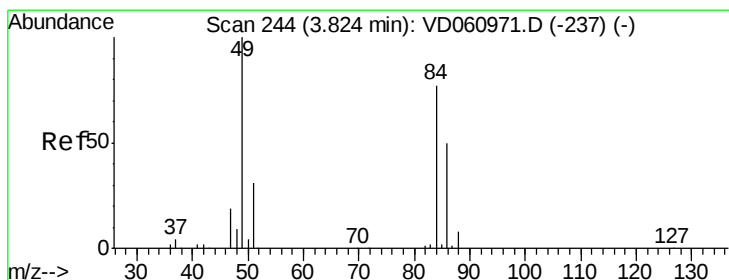
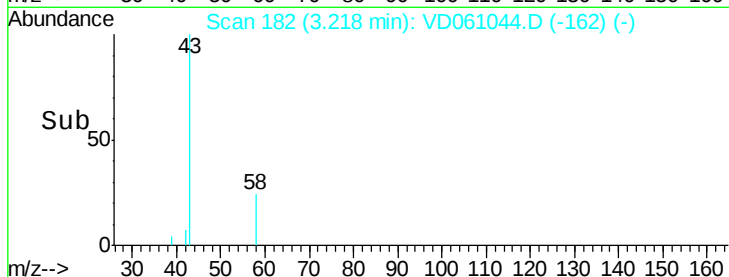
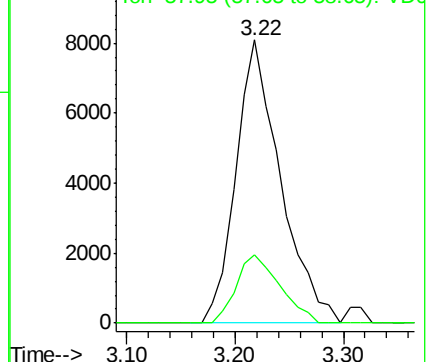
43 100

58 24.2 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: 6.743 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD061044.D

Acq: 13 Mar 2019 16:08

Tgt Ion: 84 Resp: 73132

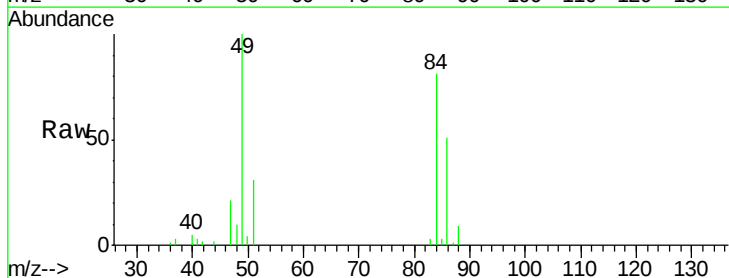
Ion Ratio Lower Upper

84 100

49 123.3 104.2 156.2

51 38.0 32.3 48.5

86 63.5 52.3 78.5

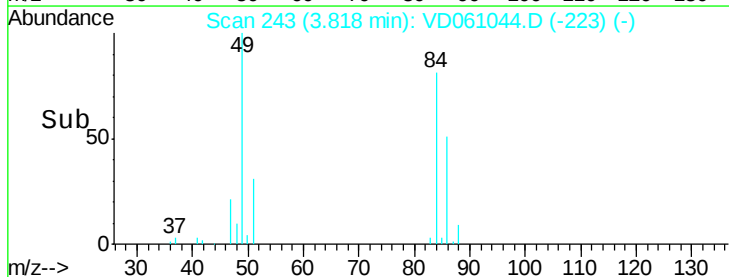
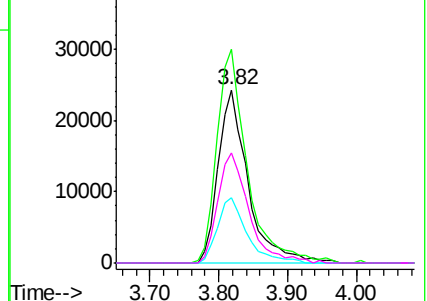


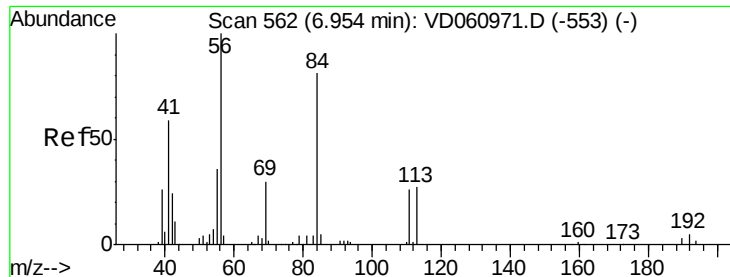
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cvclohexane

Concen: 1.040 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061044.D

Acq: 13 Mar 2019 16:08

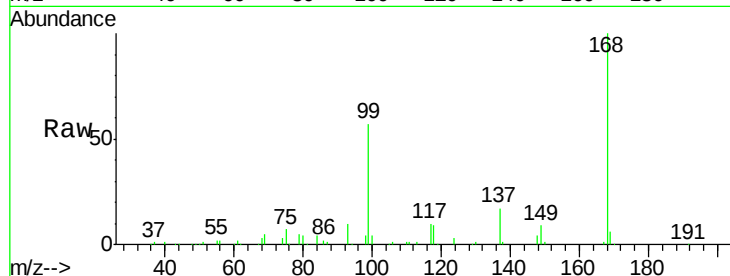
Tot Ion: 56 Resp: 9581

Ion Ratio Lower Upper

56 100

69 336.7 24.0 36.0#

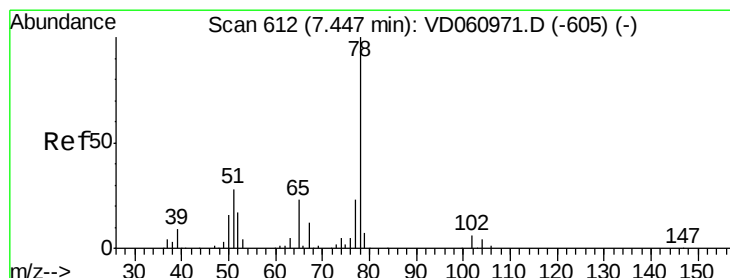
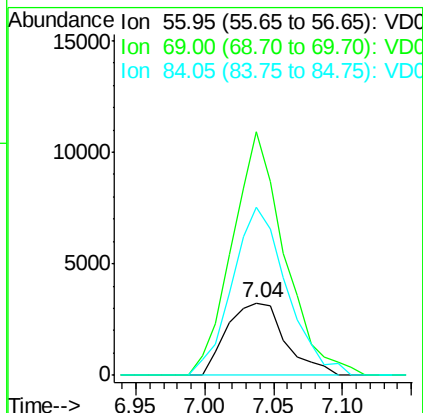
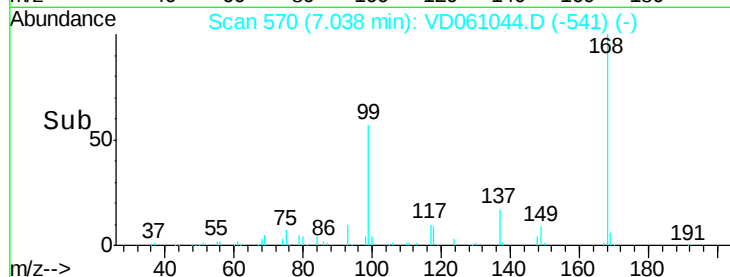
84 231.9 65.8 98.6#



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: VD061044.D

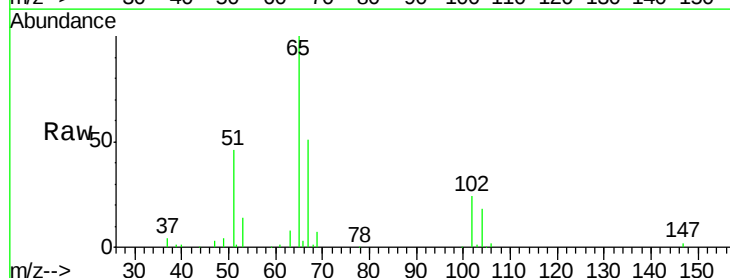
Acq: 13 Mar 2019 16:08

Tgt Ion: 65 Resp: 259996

Ion Ratio Lower Upper

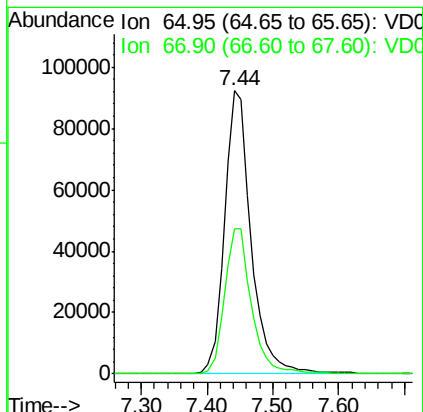
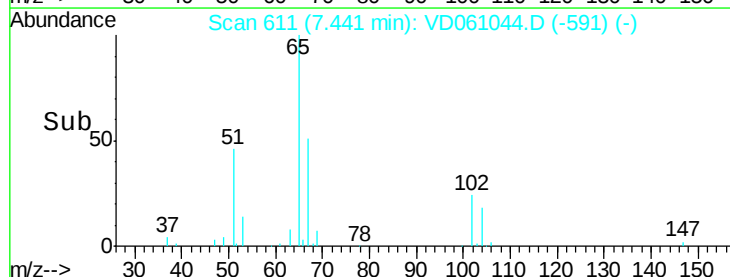
65 100

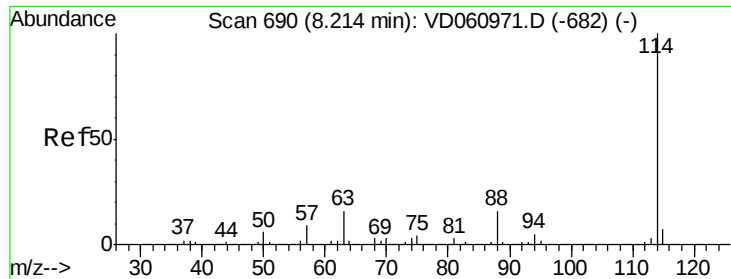
67 51.1 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

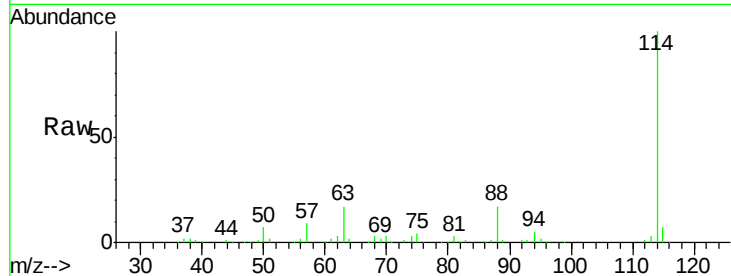
Ion 66.90 (66.60 to 67.60): VDC



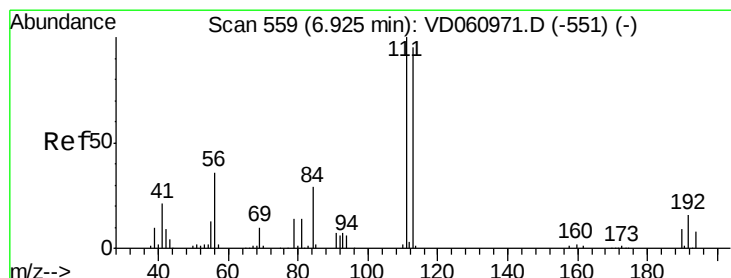
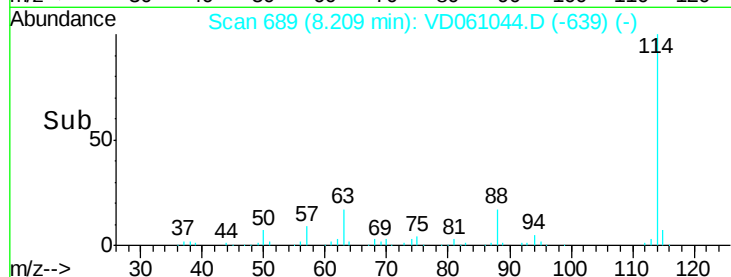
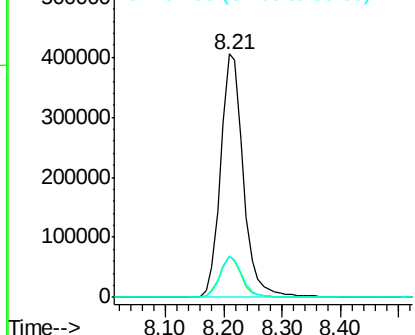


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061044.D
 Acq: 13 Mar 2019 16:08

Tot Ion:114 Resp: 1096094
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 31.4
 88 16.8 0.0 33.0

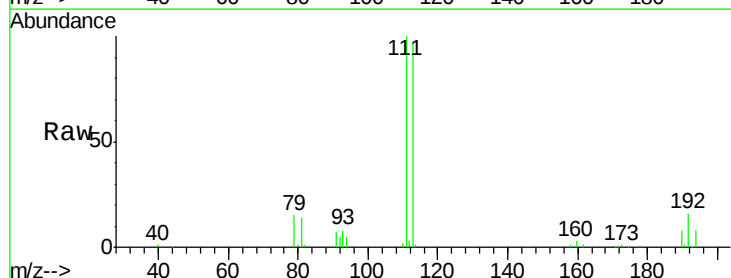


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

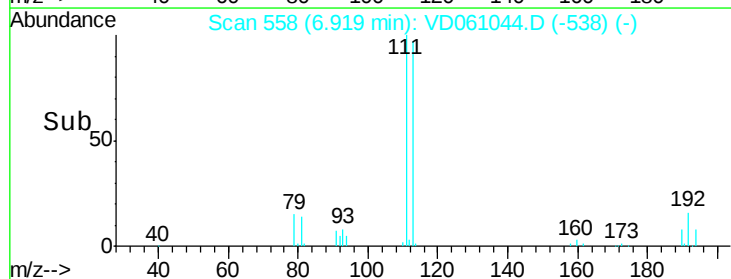
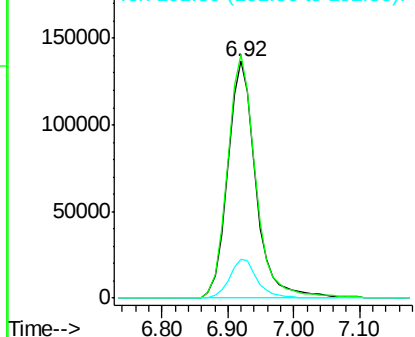


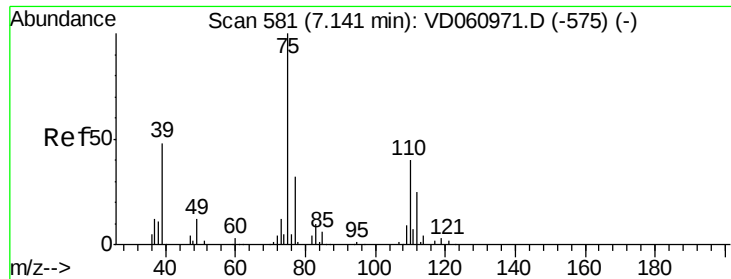
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061044.D
 Acq: 13 Mar 2019 16:08

Tgt Ion:113 Resp: 408264
 Ion Ratio Lower Upper
 113 100
 111 102.7 84.2 126.4
 192 16.5 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: 4.945 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061044.D

Acq: 13 Mar 2019 16:08

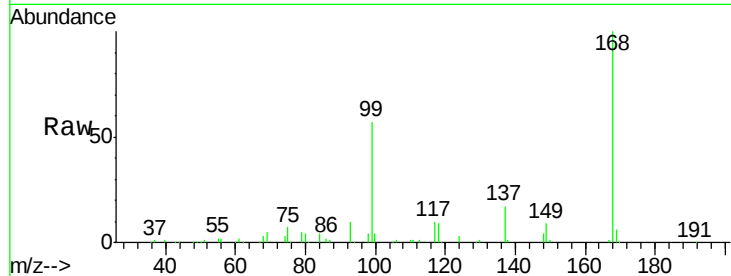
Tot Ion: 75 Resp: 46726

Ion Ratio Lower Upper

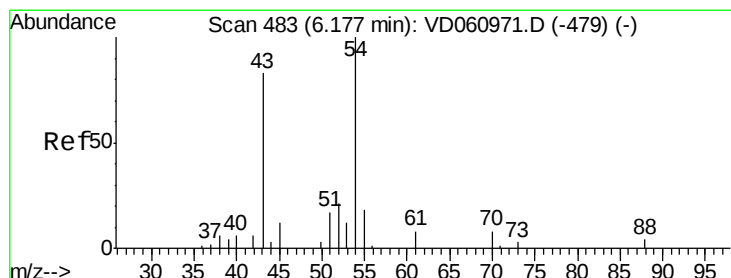
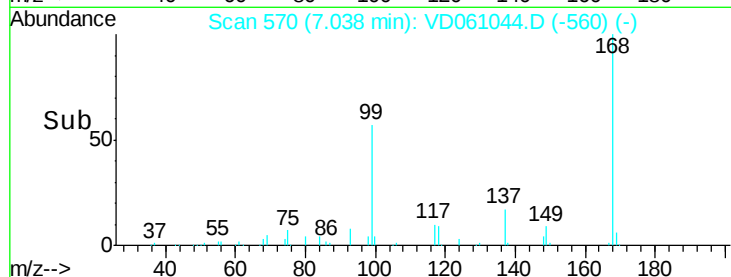
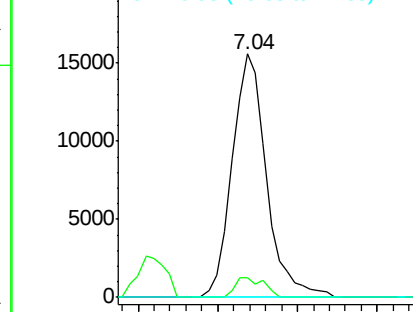
75 100

110 8.1 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



#37

Ethyl Acetate

Concen: 1.053 ug/l

RT: 6.13 min Scan# 478

Delta R.T. -0.04 min

Lab File: VD061044.D

Acq: 13 Mar 2019 16:08

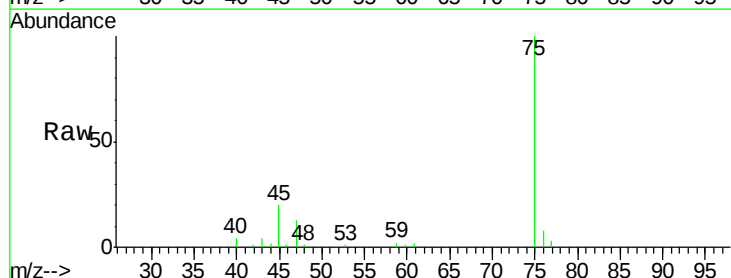
Tgt Ion: 43 Resp: 4667

Ion Ratio Lower Upper

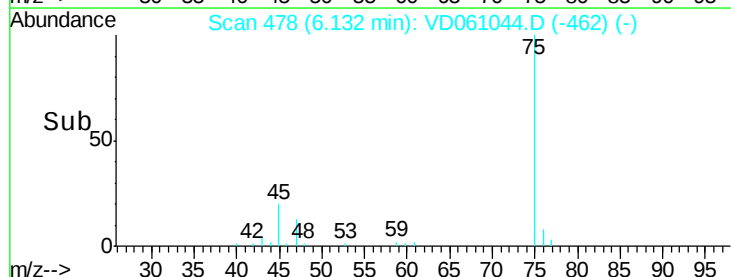
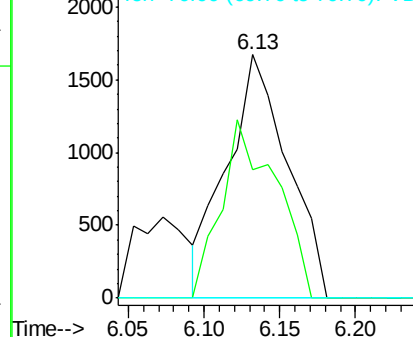
43 100

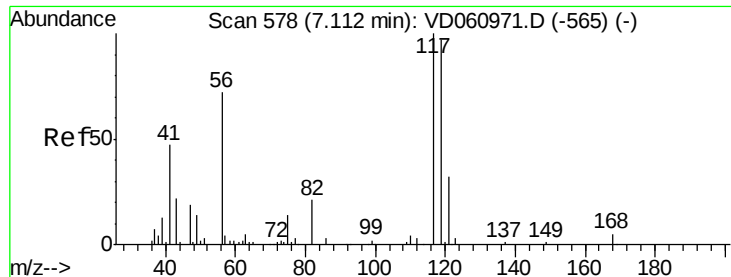
61 52.9 13.7 20.5#

70 0.0 7.1 10.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.008 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD061044.D

Acq: 13 Mar 2019 16:08

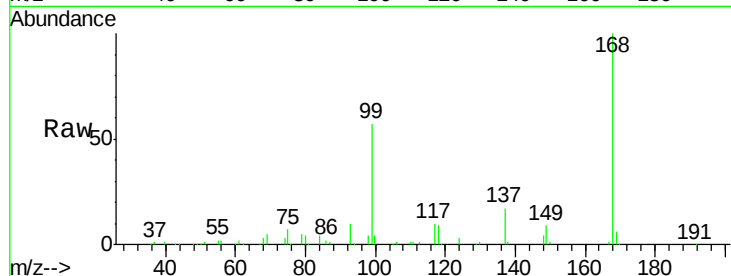
Tot Ion:117 Resp: 62524

Ion Ratio Lower Upper

117 100

119 3.8 77.8 116.8#

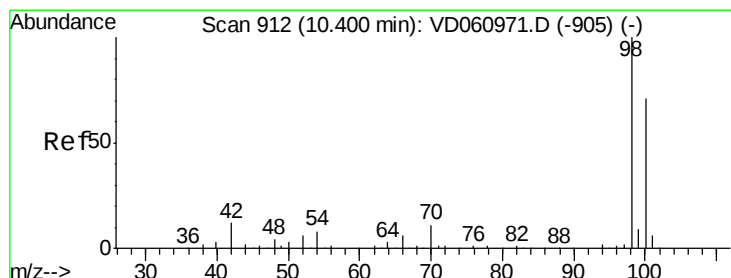
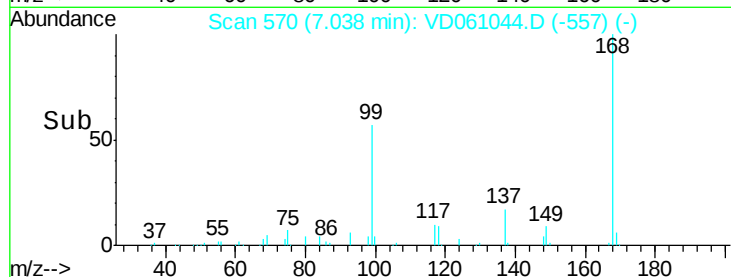
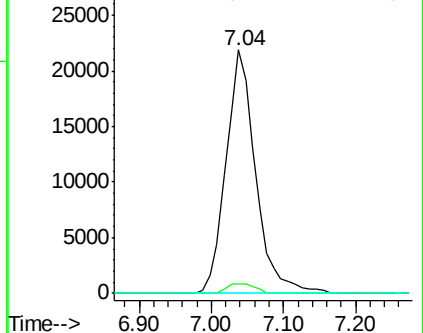
121 0.0 25.3 37.9#



Abundance Ion 116.85 (116.55 to 117.55): 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: VD061044.D

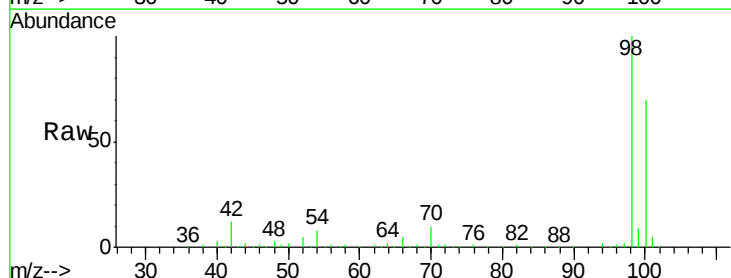
Acq: 13 Mar 2019 16:08

Tgt Ion: 98 Resp: 973640

Ion Ratio Lower Upper

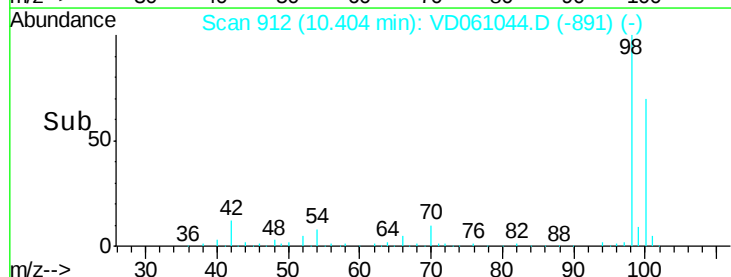
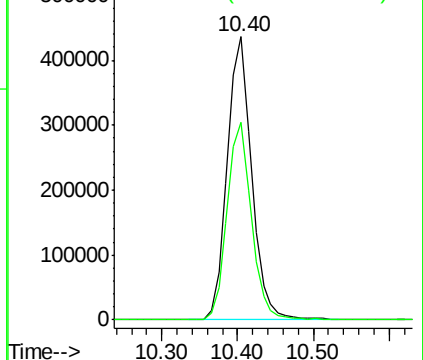
98 100

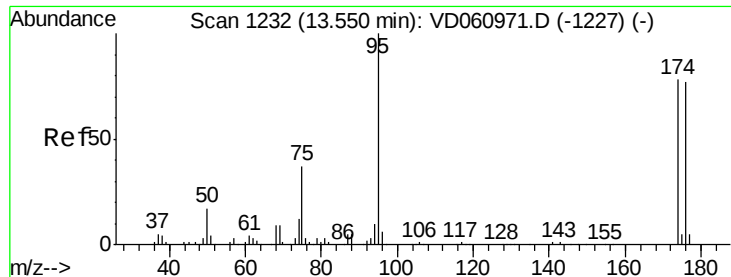
100 70.0 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061044.D

Acq: 13 Mar 2019 16:08

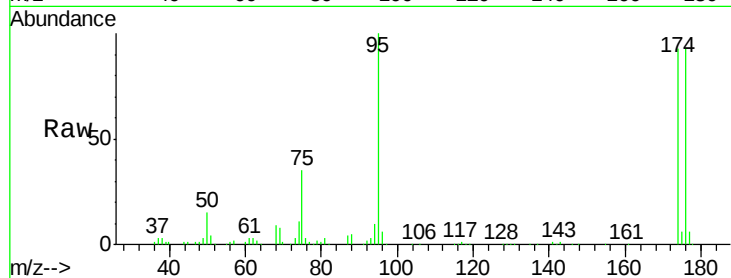
Tot Ion: 95 Resp: 383970

Ion Ratio Lower Upper

95 100

174 93.4 0.0 155.6

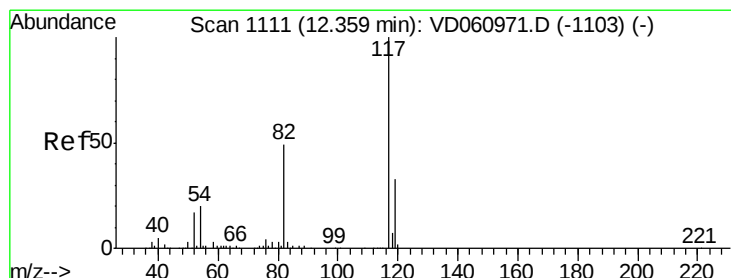
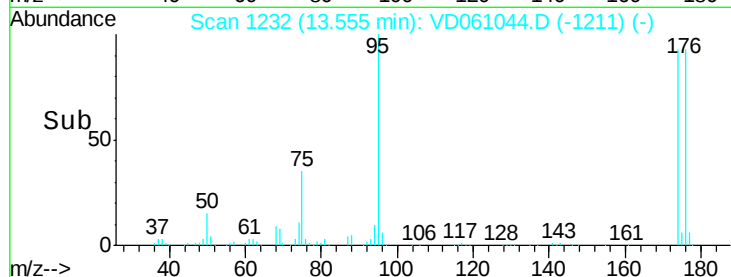
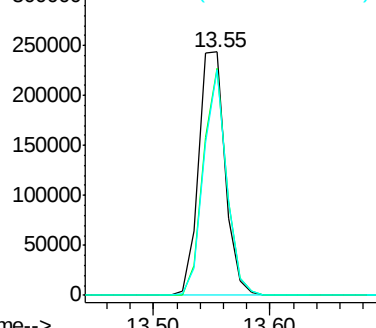
176 92.6 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD0

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: VD061044.D

Acq: 13 Mar 2019 16:08

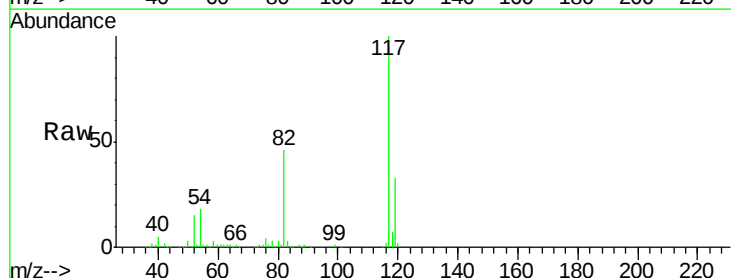
Tgt Ion: 117 Resp: 911950

Ion Ratio Lower Upper

117 100

82 46.2 38.9 58.3

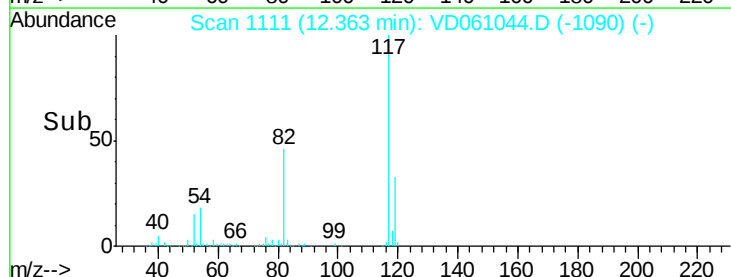
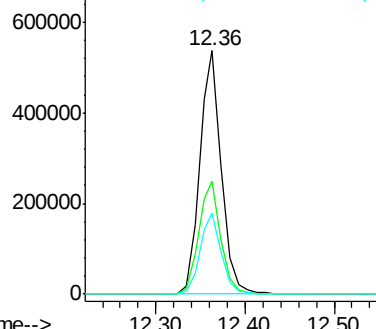
119 33.1 26.6 39.8

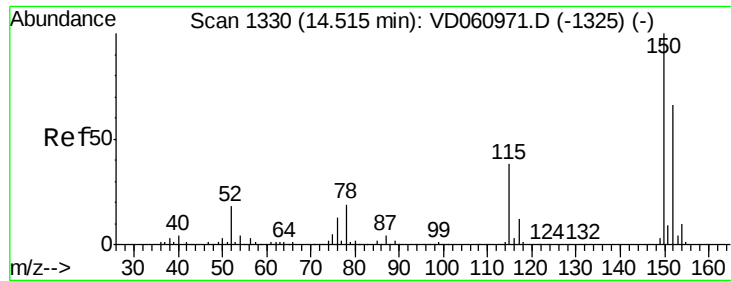


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): VD0

Ion 118.95 (118.65 to 119.65): V

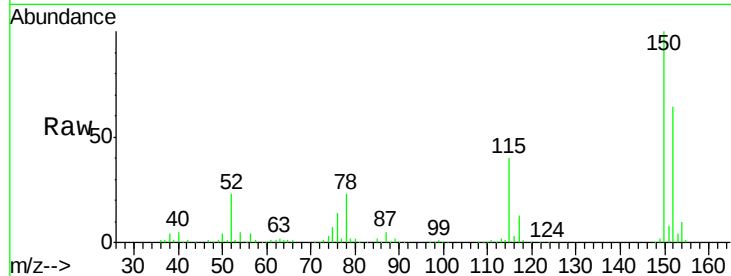




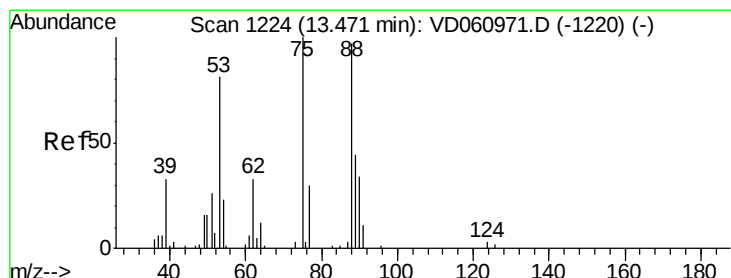
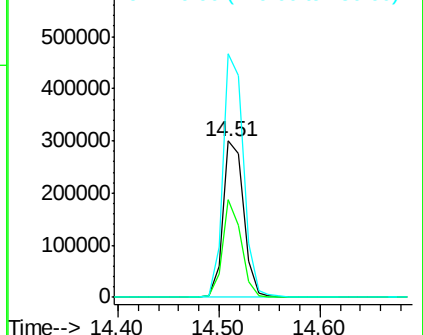
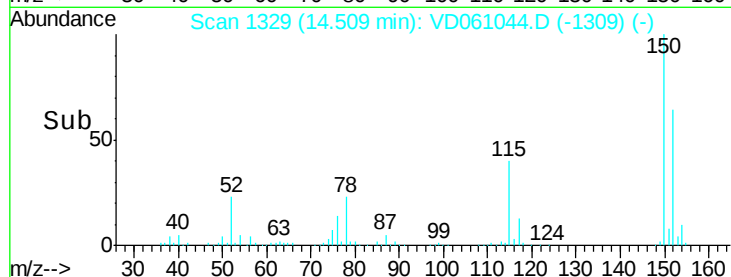
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061044.D
Acq: 13 Mar 2019 16:08

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.4	28.6	85.9
150	156.0	0.0	310.6



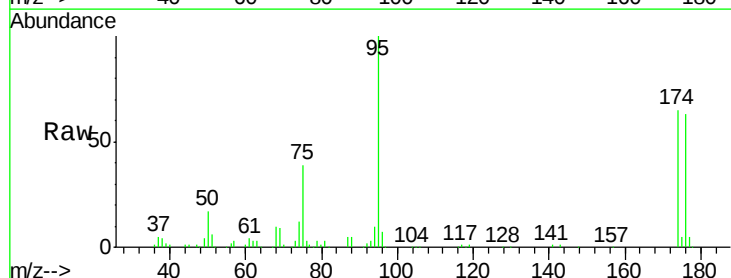
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 78.844 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD061044.D
Acq: 13 Mar 2019 16:08

Tgt 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

