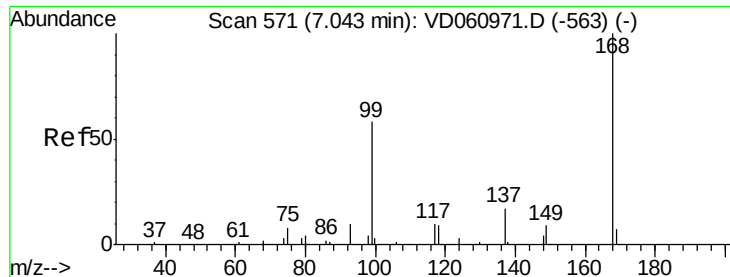


Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061113.D
 Acq On : 16 Mar 2019 16:59
 Operator : VA/AP
 Sample : K1911-04RE
 Misc : 5.74g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 18 02:28:00 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	7.07	168	439713	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	871817	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	652467	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	284268	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	223659	61.11	ug/l	0.02
Spiked Amount 50.000			Recovery	=	122.22%	
35) Dibromofluoromethane	6.94	113	364770	56.38	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.76%	
50) Toluene-d8	10.42	98	789888	48.62	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	13.56	95	275733	43.74	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.06	59	385	1.652	ug/l #	75
16) Acetone	3.23	43	33270	31.787	ug/l	90
20) Methylene Chloride	3.84	84	36720	3.342	ug/l	90
31) Cyclohexane	7.07	56	7547	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	32702	4.352	ug/l #	48
38) Carbon Tetrachloride	7.06	117	40751	4.923	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	3407	1.139	ug/l #	1
52) Toluene	10.52	92	43139	3.694	ug/l	96
76) 1,2,3-Trichloropropane	13.56	75	91369	22.341	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	99321	82.374	ug/l #	17
95) Naphthalene	16.13	128	378248	68.923	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061113.D

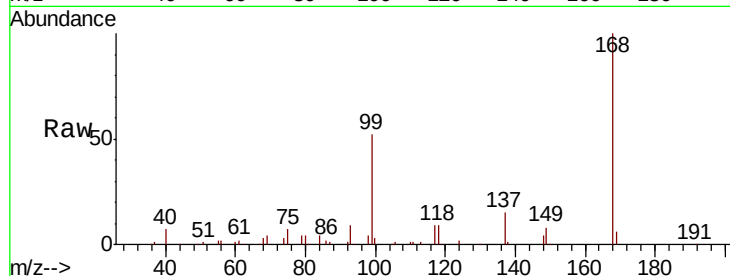
Acq: 16 Mar 2019 16:59

Tgt Ion: 168 Resp: 439713

Ion Ratio Lower Upper

168 100

99 51.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

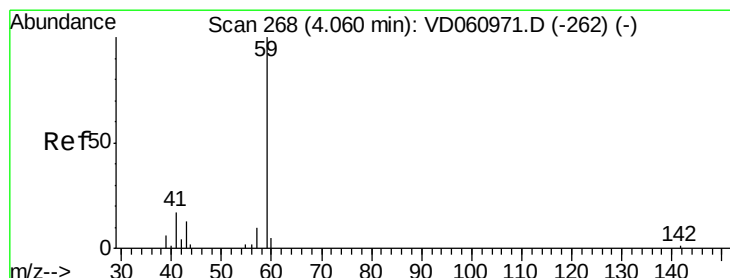
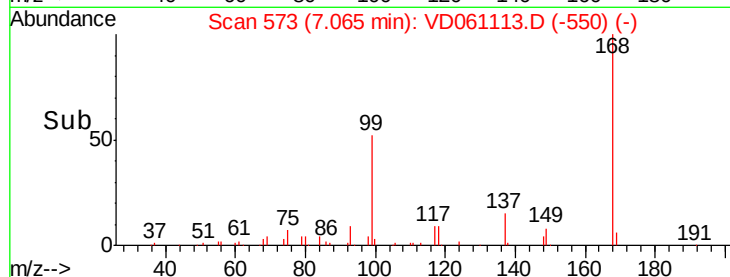
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.652 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD061113.D

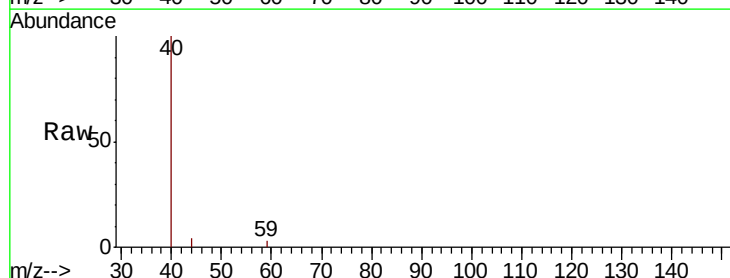
Acq: 16 Mar 2019 16:59

Tgt Ion: 59 Resp: 385

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V

4.06

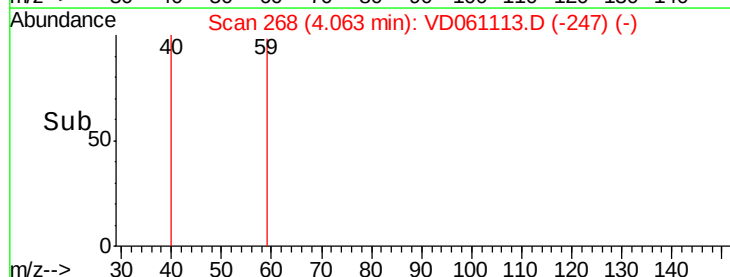
300

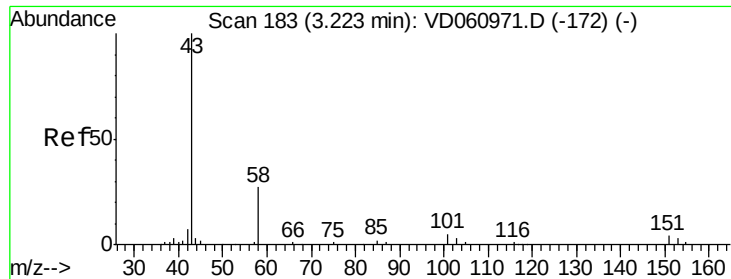
200

100

0

Time-->





#16

Acetone

Concen: 31.787 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061113.D

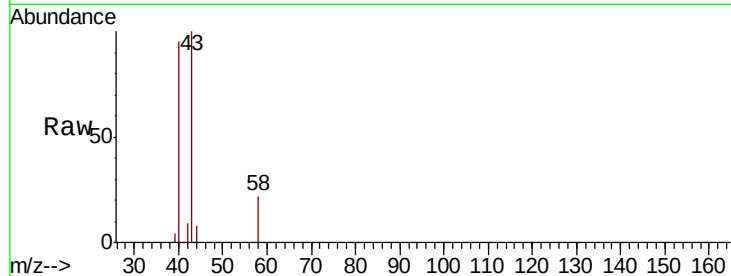
Acq: 16 Mar 2019 16:59

Tgt Ion: 43 Resp: 33270

Ion Ratio Lower Upper

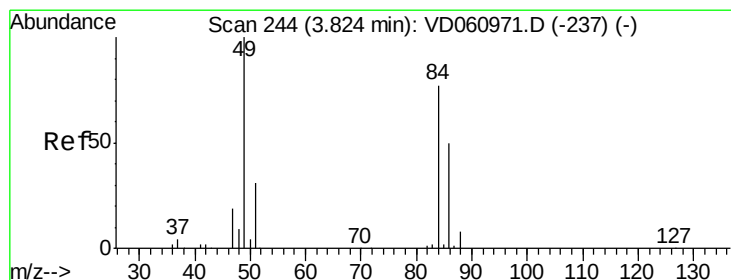
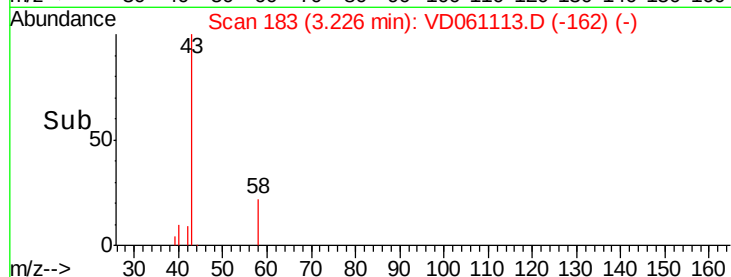
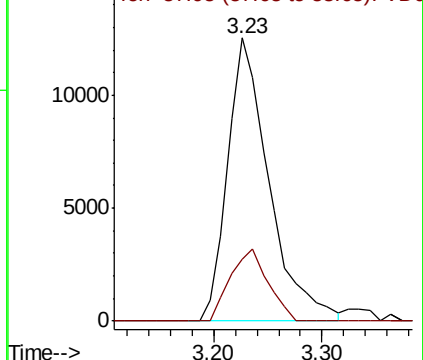
43 100

58 21.9 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: 3.342 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.01 min

Lab File: VD061113.D

Acq: 16 Mar 2019 16:59

Tgt Ion: 84 Resp: 36720

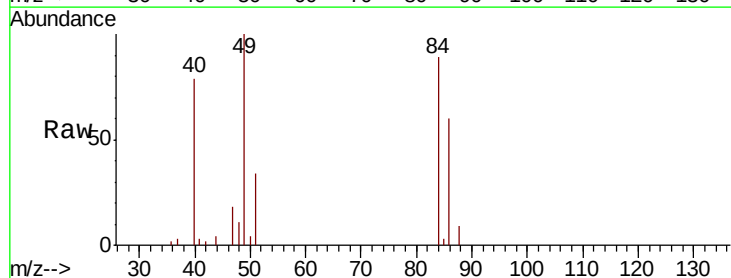
Ion Ratio Lower Upper

84 100

49 111.9 104.2 156.2

51 37.6 32.3 48.5

86 66.9 52.3 78.5

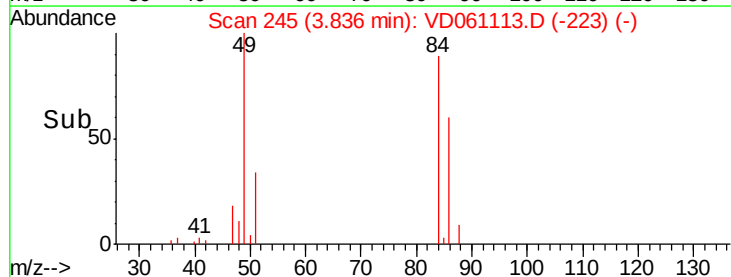
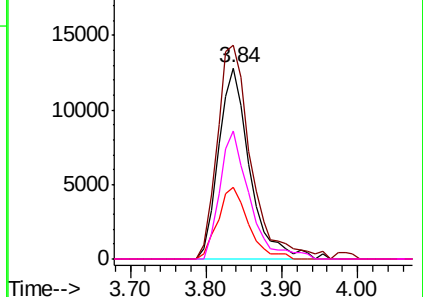


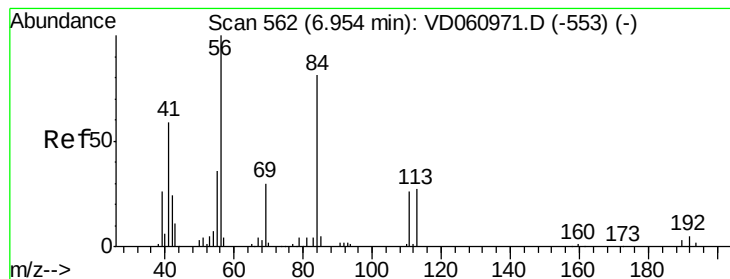
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

Cyclohexane

Concen: 1.165 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.11 min

Lab File: VD061113.D

Acq: 16 Mar 2019 16:59

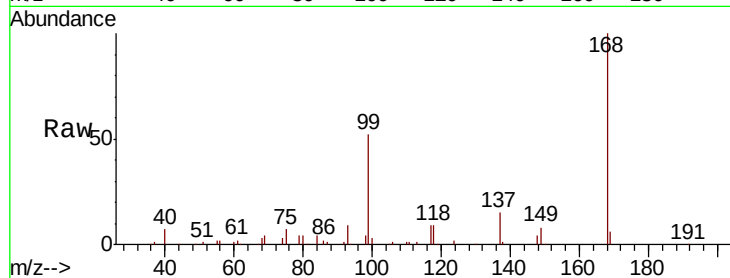
Tgt Ion: 56 Resp: 7547

Ion Ratio Lower Upper

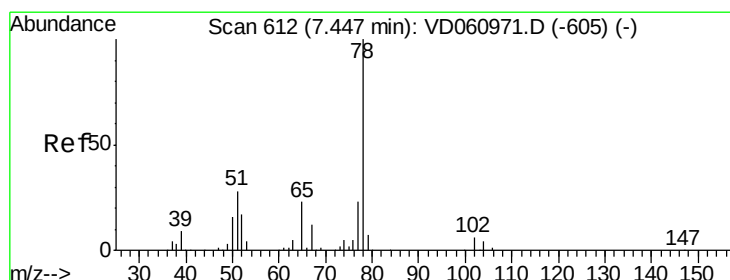
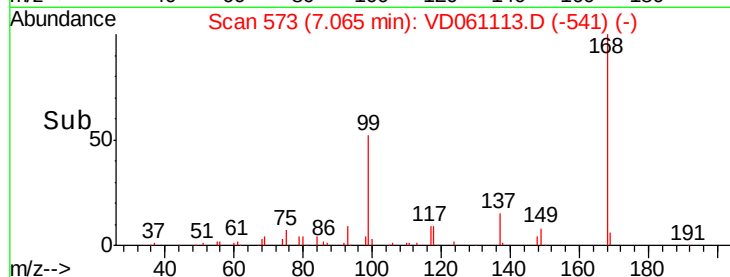
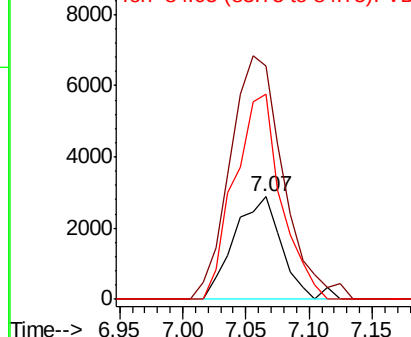
56 100

69 227.6 24.0 36.0#

84 199.8 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: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061113.D

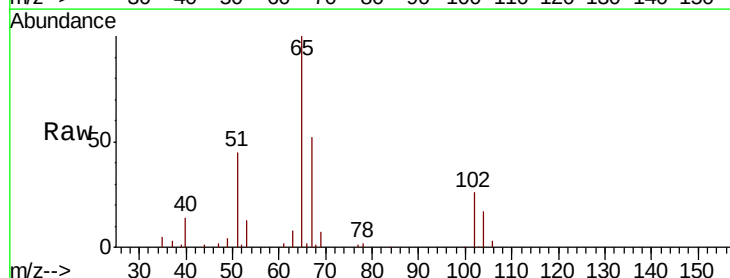
Acq: 16 Mar 2019 16:59

Tgt Ion: 65 Resp: 223659

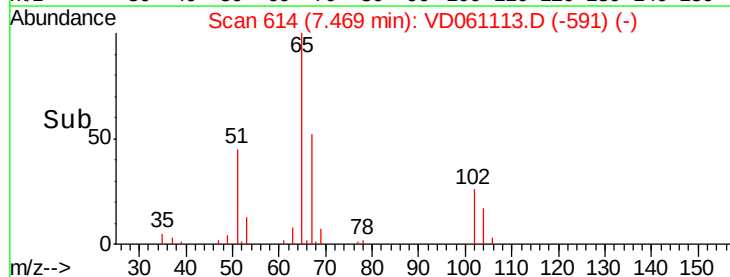
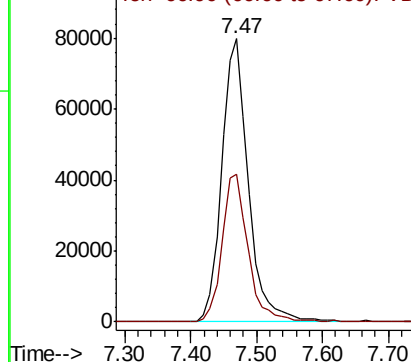
Ion Ratio Lower Upper

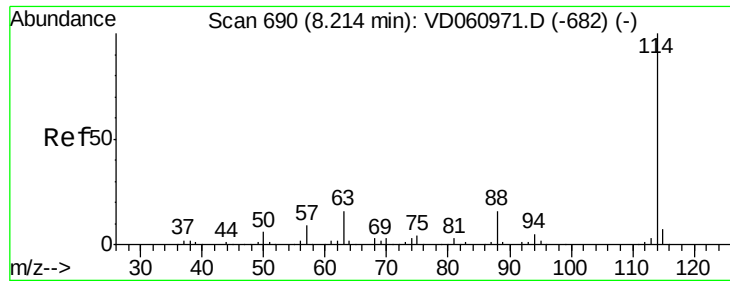
65 100

67 52.2 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

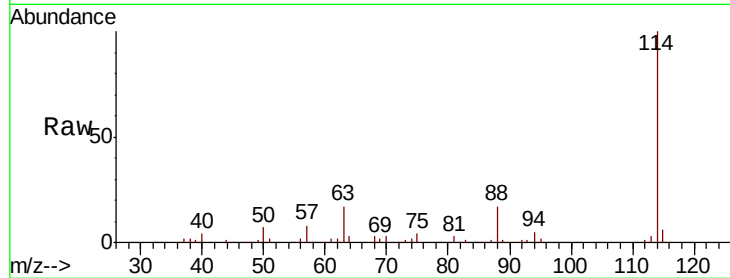
RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061113.D

Acq: 16 Mar 2019 16:59

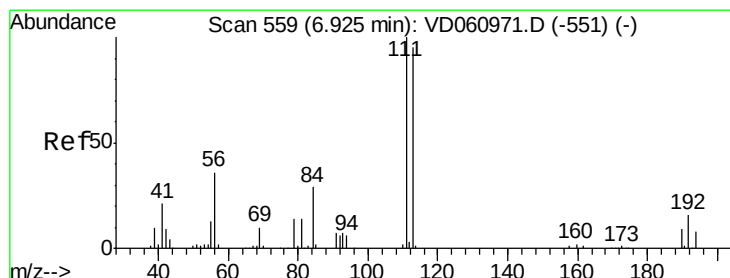
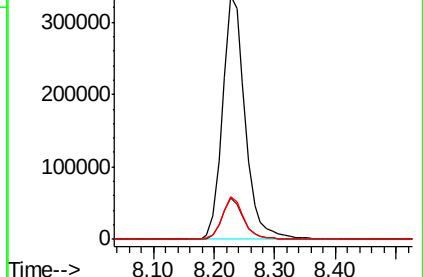
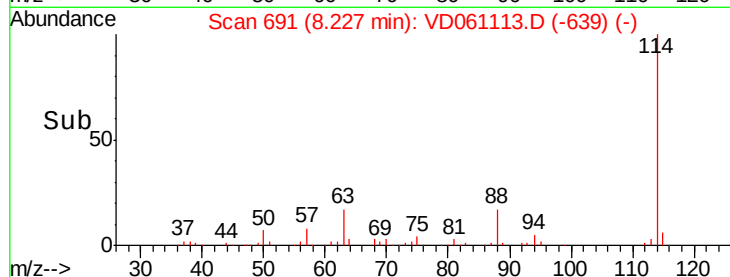
Tgt Ion:	114	Resp:	871817
Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	31.4
88	17.4	0.0	33.0



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

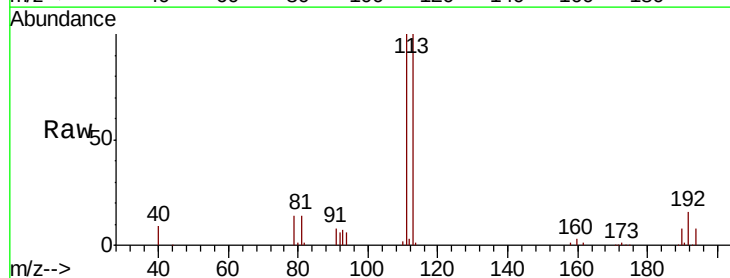
RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061113.D

Acq: 16 Mar 2019 16:59

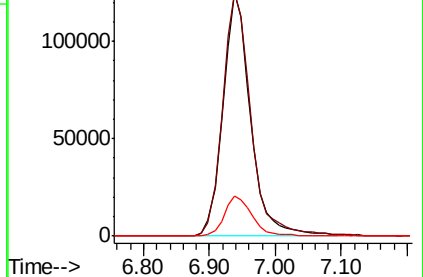
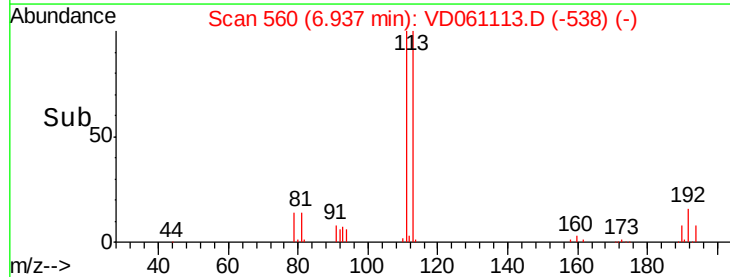
Tgt Ion:	113	Resp:	364770
Ion	Ratio	Lower	Upper
113	100		
111	99.9	84.2	126.4
192	16.5	13.1	19.7

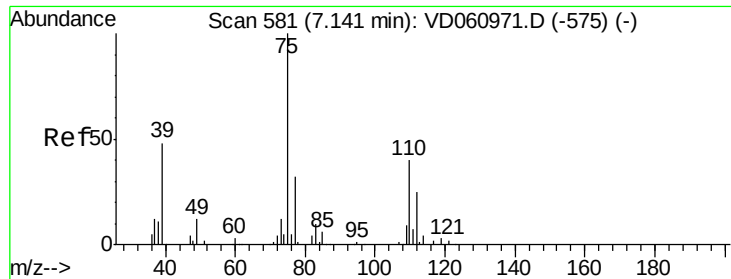


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.352 ug/l

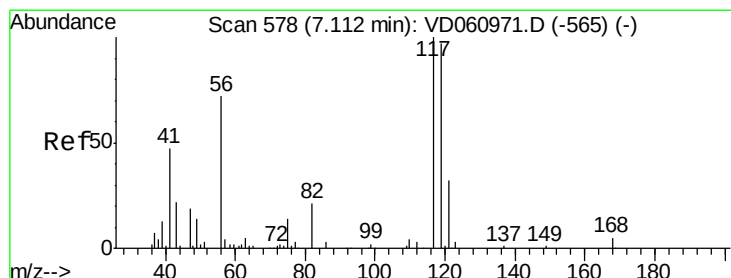
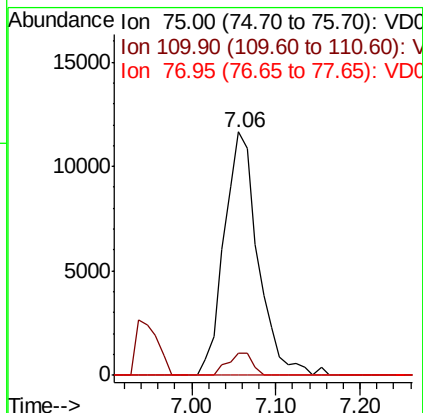
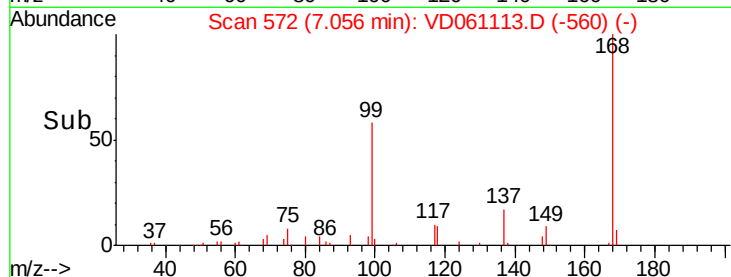
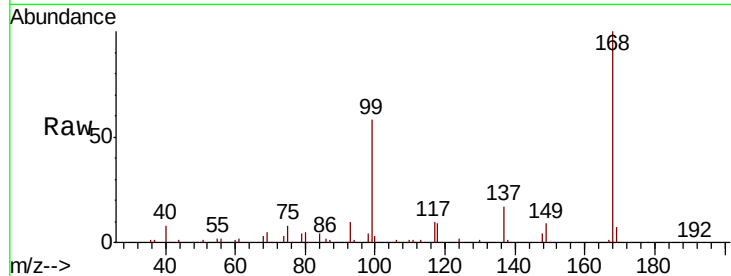
RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061113.D

Acq: 16 Mar 2019 16:59

Tgt Ion:	75	Resp:	32702
Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.7	59.1#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.923 ug/l

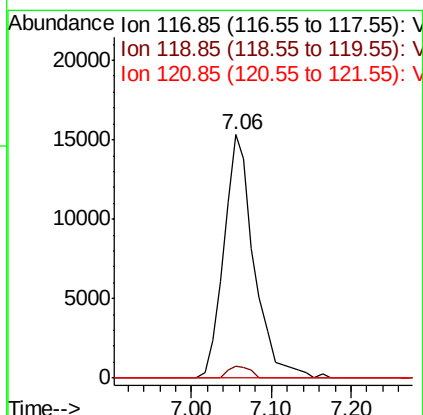
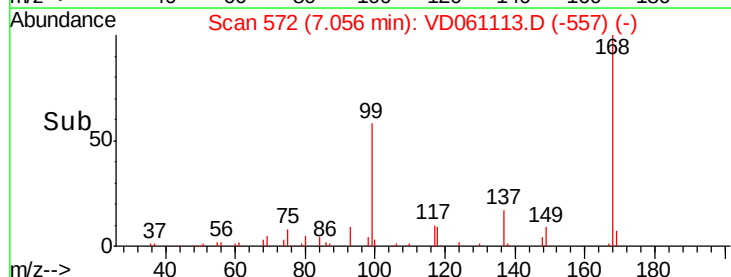
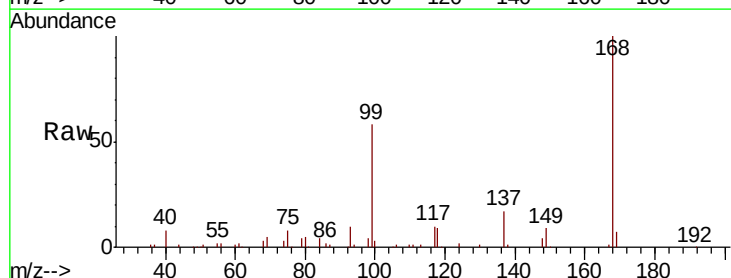
RT: 7.06 min Scan# 572

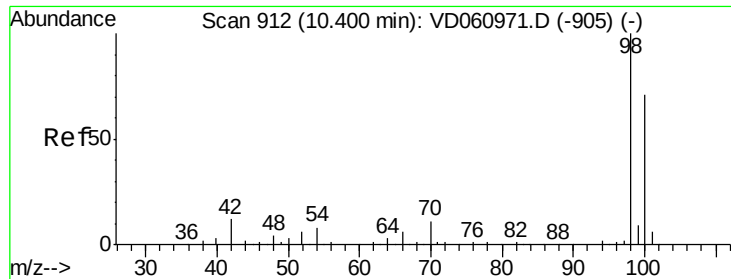
Delta R.T. -0.06 min

Lab File: VD061113.D

Acq: 16 Mar 2019 16:59

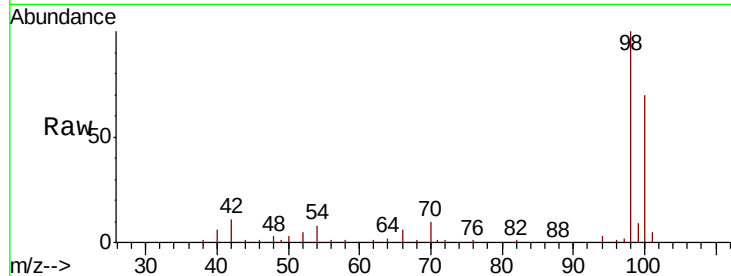
Tgt Ion:	117	Resp:	40751
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.8	116.8#
121	0.0	25.3	37.9#



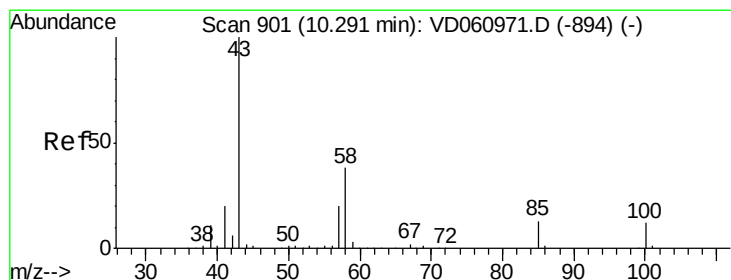
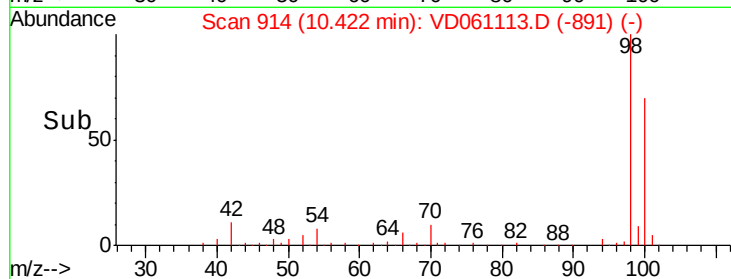
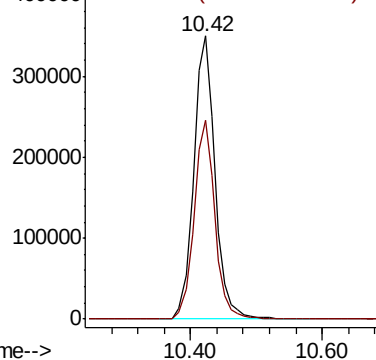


#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061113.D
Acq: 16 Mar 2019 16:59

Tgt Ion: 98 Resp: 789888
Ion Ratio Lower Upper
98 100
100 70.4 57.4 86.2

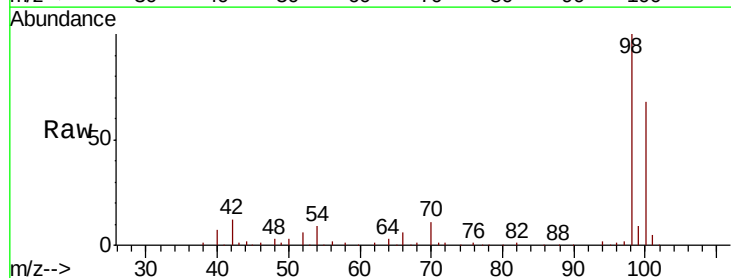


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

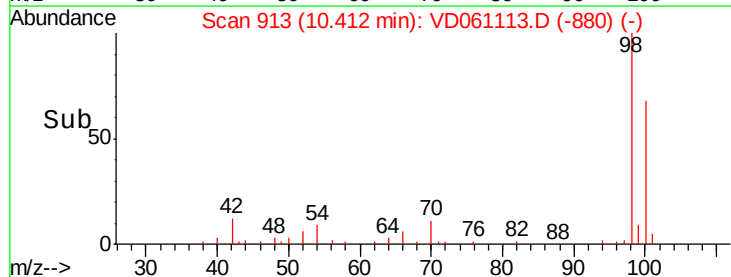
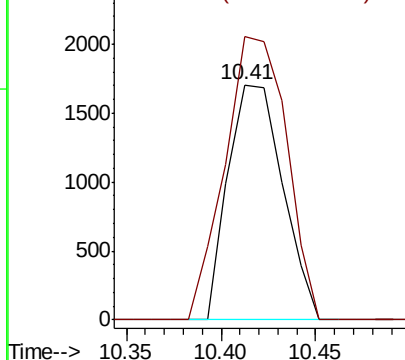


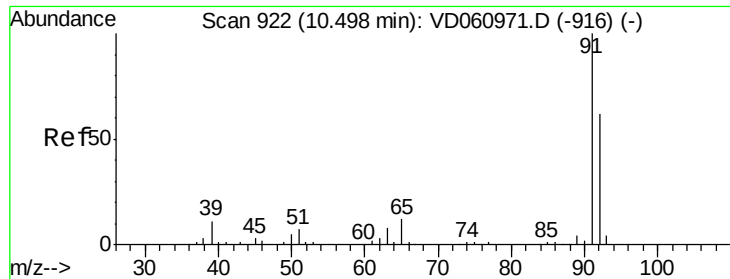
#51
4-Methyl-2-Pentanone
Concen: 1.139 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.12 min
Lab File: VD061113.D
Acq: 16 Mar 2019 16:59

Tgt Ion: 43 Resp: 3407
Ion Ratio Lower Upper
43 100
58 120.3 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VD060971.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD060971.D (-894) (-)





#52

Toluene

Concen: 3.694 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061113.D

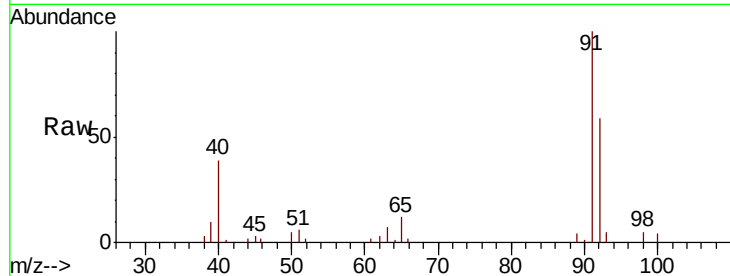
Acq: 16 Mar 2019 16:59

Tgt Ion: 92 Resp: 43139

Ion Ratio Lower Upper

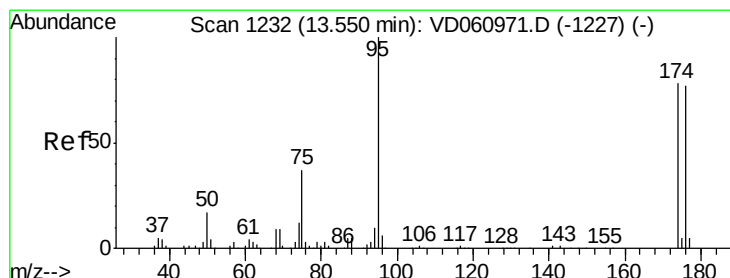
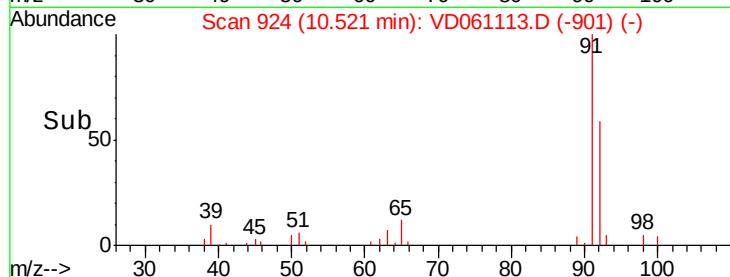
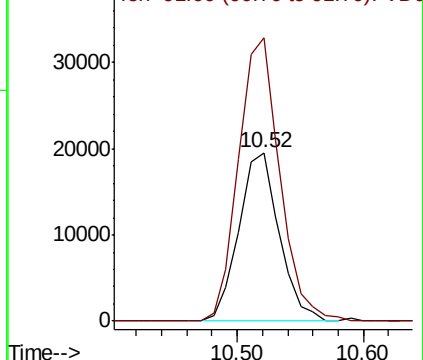
92 100

91 168.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061113.D

Acq: 16 Mar 2019 16:59

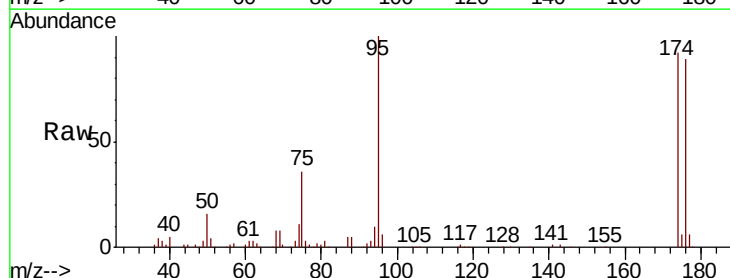
Tgt Ion: 95 Resp: 275733

Ion Ratio Lower Upper

95 100

174 92.1 0.0 155.6

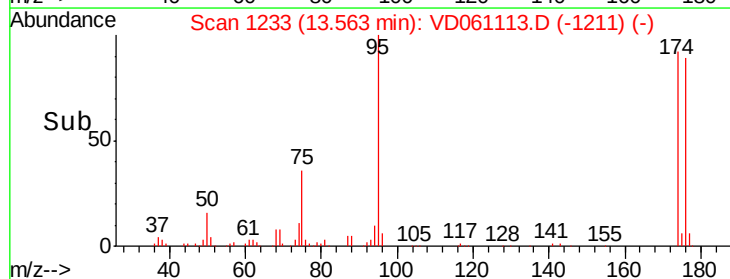
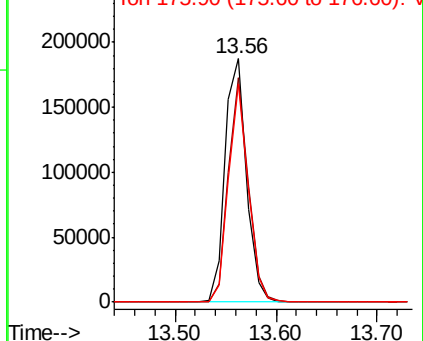
176 89.5 0.0 153.8

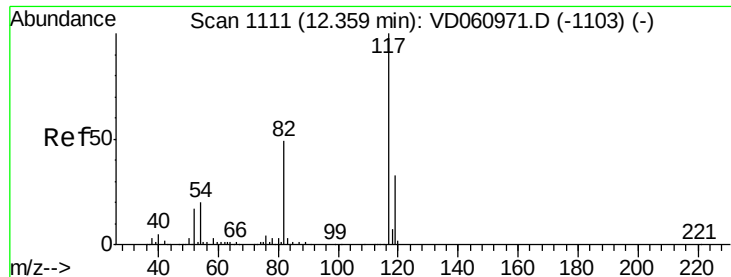


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

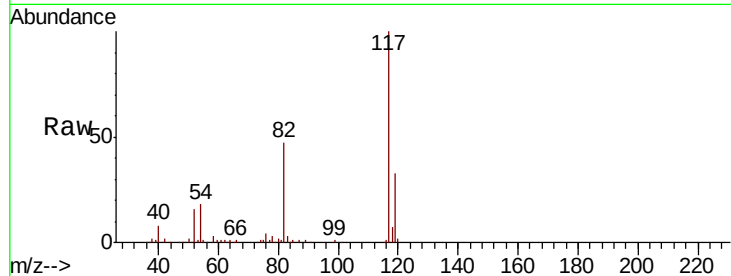
Ion 175.90 (175.60 to 176.60): V



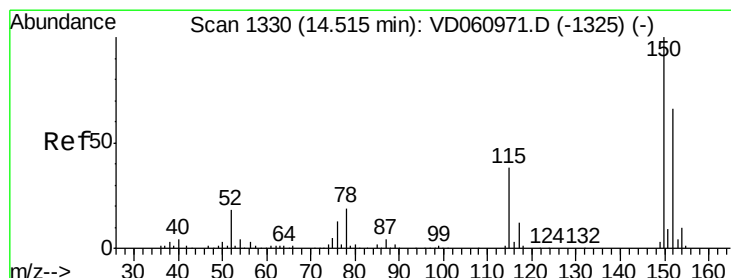
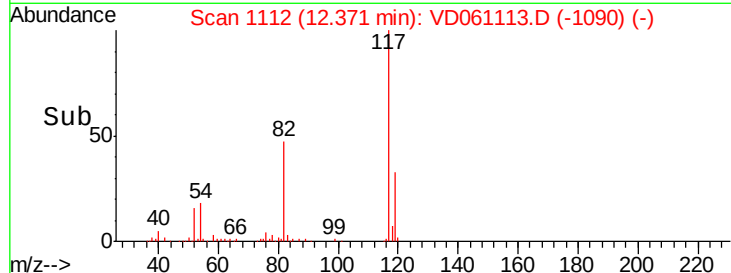
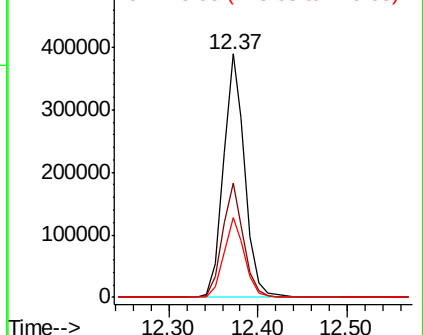


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061113.D
Acq: 16 Mar 2019 16:59

Tgt Ion:117 Resp: 652467
Ion Ratio Lower Upper
117 100
82 46.7 38.9 58.3
119 32.6 26.6 39.8

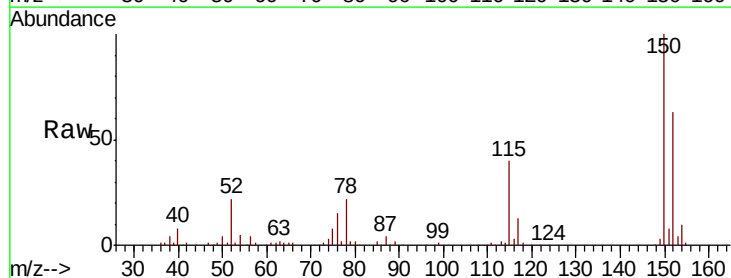


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

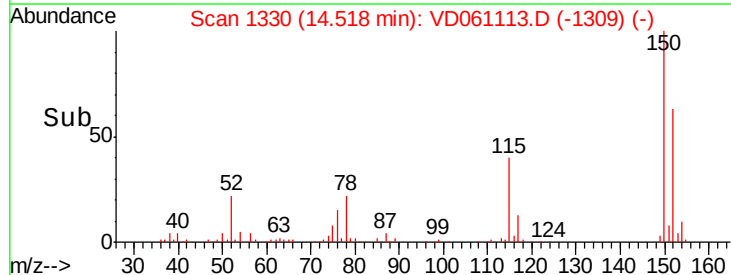
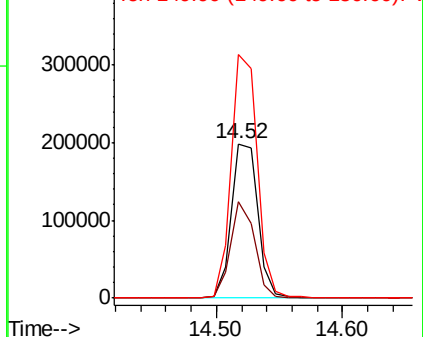


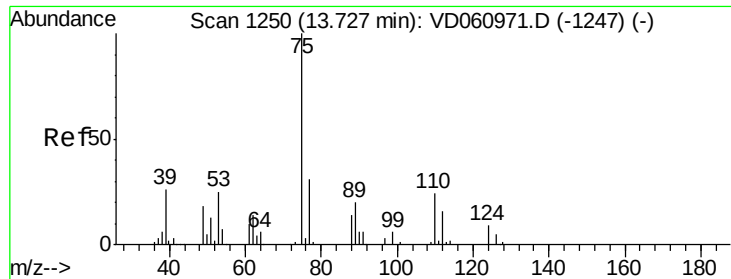
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061113.D
Acq: 16 Mar 2019 16:59

Tgt Ion:152 Resp: 284268
Ion Ratio Lower Upper
152 100
115 62.5 28.6 85.9
150 157.5 0.0 310.6



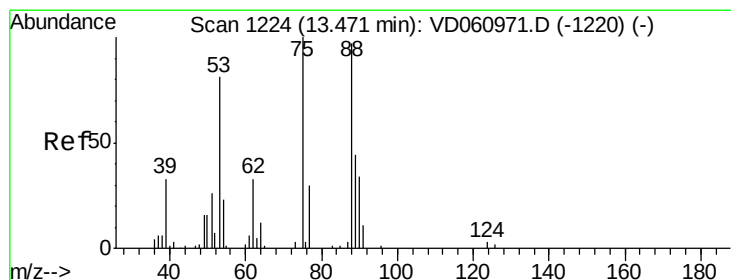
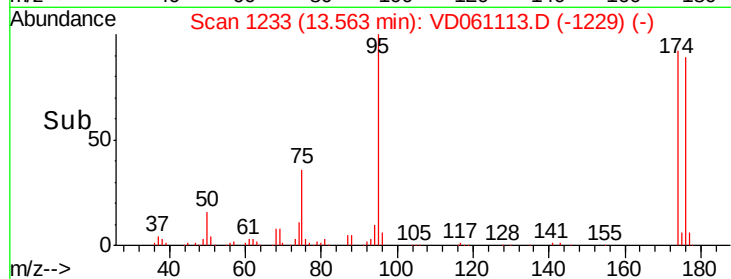
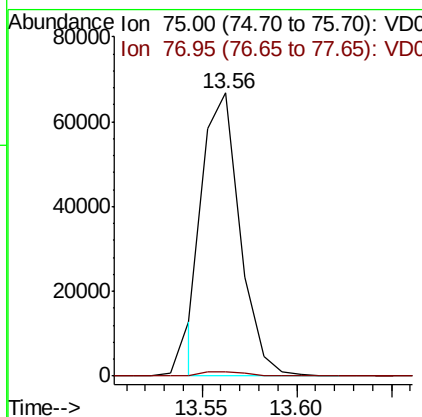
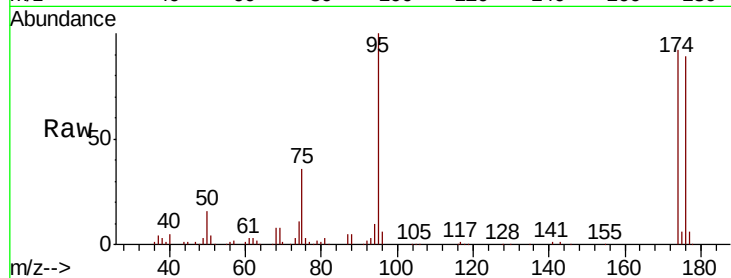
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





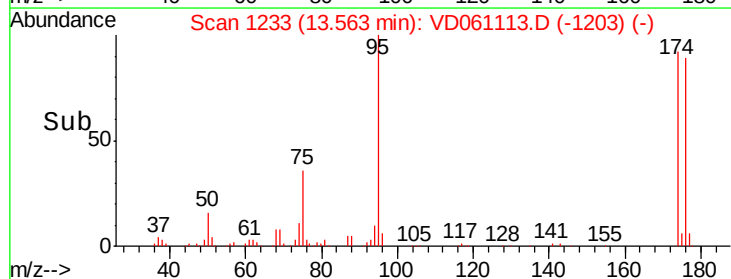
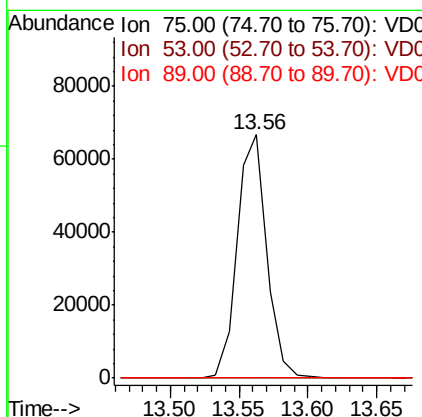
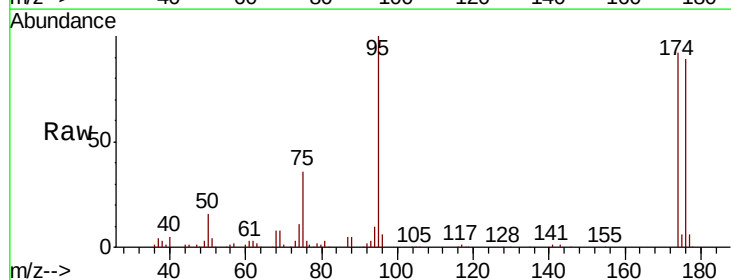
#76
 1,2,3-Trichloropropane
 Concen: 22.341 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD061113.D
 Acq: 16 Mar 2019 16:59

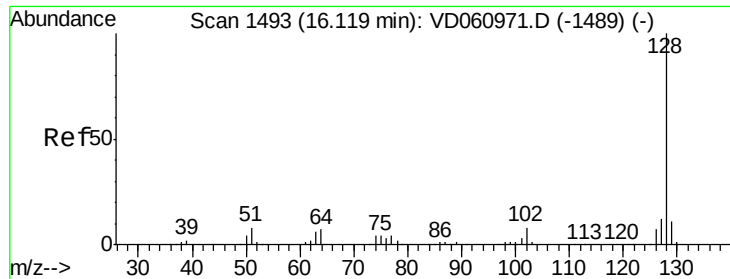
Tgt Ion: 75 Resp: 91369
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.374 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061113.D
 Acq: 16 Mar 2019 16:59

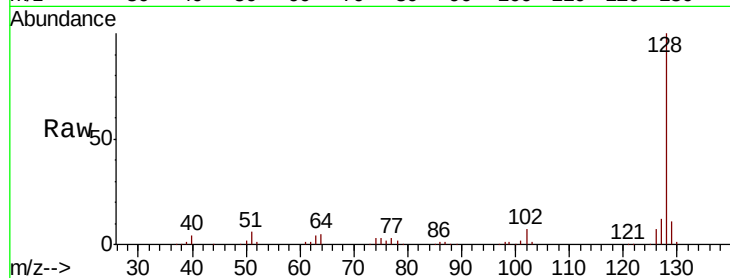
Tgt Ion: 75 Resp: 99321
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#





#95
 Naphthalene
 Concen: 68.923 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD061113.D
 Acq: 16 Mar 2019 16:59

Tgt Ion:128 Resp: 378248
 Ion Ratio Lower Upper
 128 100
 127 12.2 9.8 14.8
 129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

