

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061045.D
 Acq On : 13 Mar 2019 16:36
 Operator : VA/AP
 Sample : K1847-03RE
 Misc : 6.62g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 02:01:37 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	583277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1045439	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	776884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	314189	50.00	ug/l	0.00

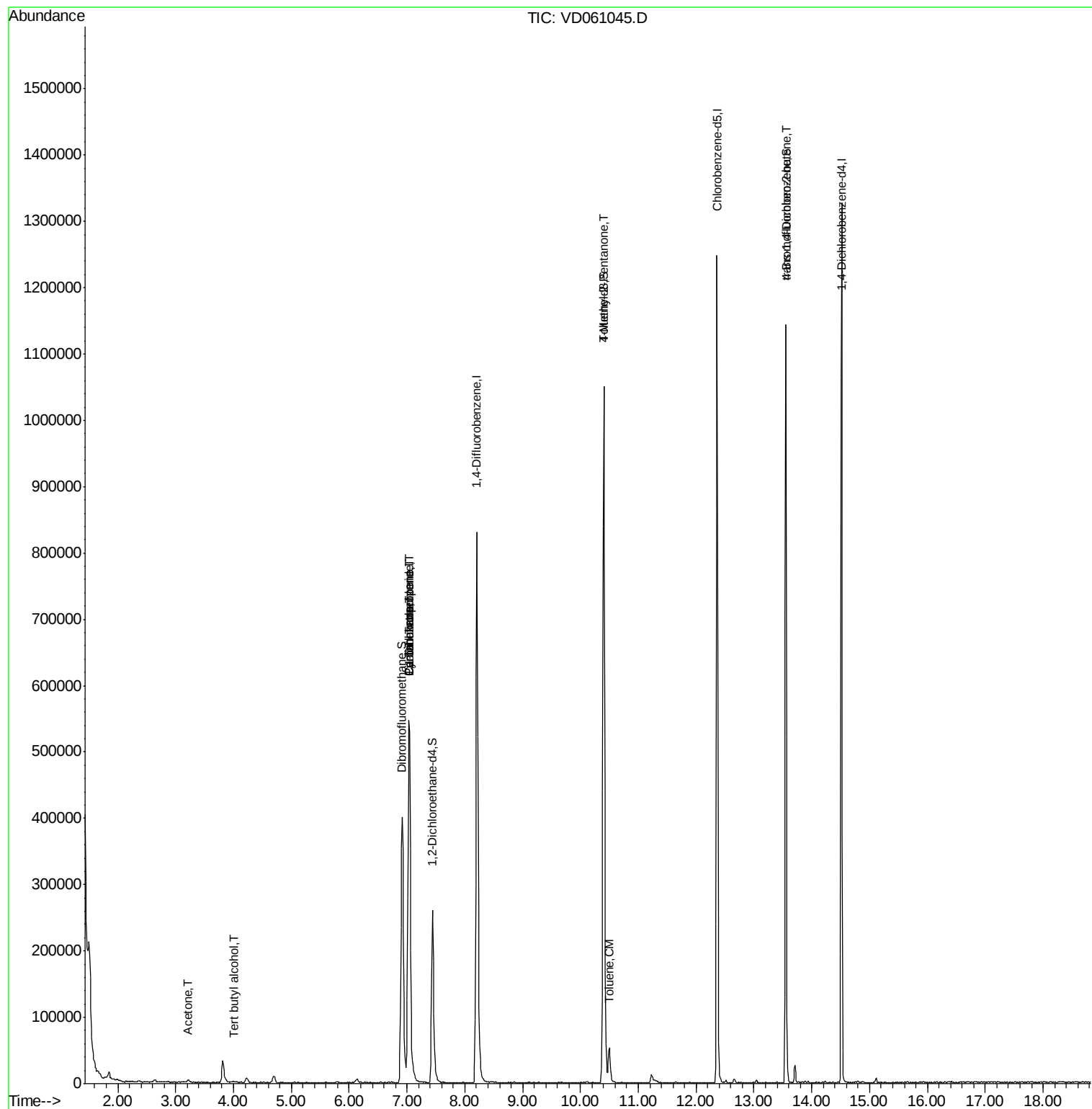
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	255267	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	6.92	113	397553	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	10.40	98	917111	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
62) 4-Bromofluorobenzene	13.55	95	348792	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	197	Below Cal	#	8
11) Tert butyl alcohol	4.02	59	3588	11.608	ug/l #	75
16) Acetone	3.22	43	8891	6.404	ug/l #	78
20) Methylene Chloride	3.82	84	23711	Below Cal		94
31) Cyclohexane	7.03	56	10376	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	42762	4.745	ug/l #	46
38) Carbon Tetrachloride	7.03	117	57812	5.824	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	3892	1.085	ug/l #	1
52) Toluene	10.50	92	30269	2.162	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.55	75	129858	97.444	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: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061045.D

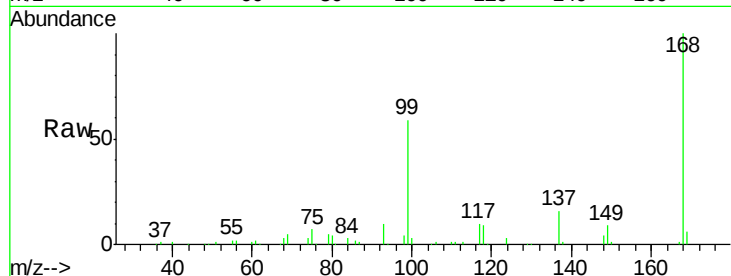
Acq: 13 Mar 2019 16:36

Tot Ion:168 Resp: 583277

Ion Ratio Lower Upper

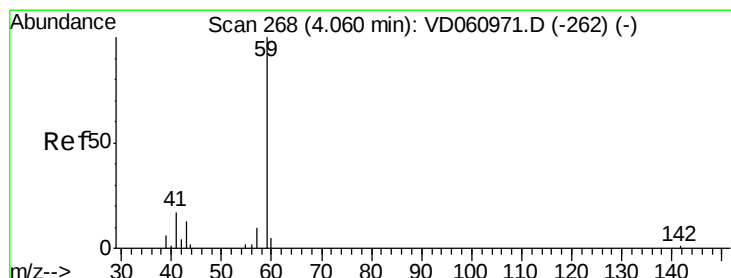
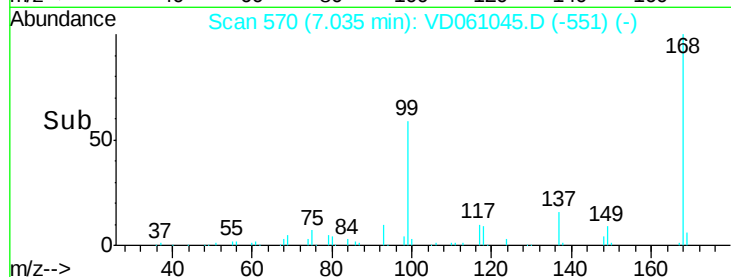
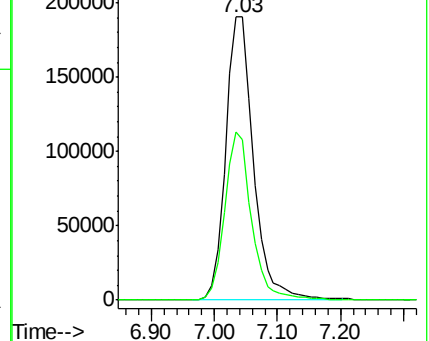
168 100

99 59.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 11.608 ug/l

RT: 4.02 min Scan# 264

Delta R.T. -0.04 min

Lab File: VD061045.D

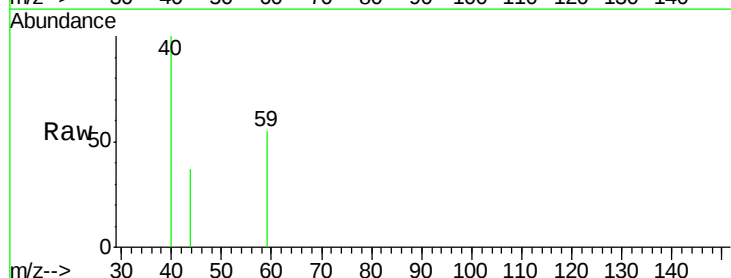
Acq: 13 Mar 2019 16:36

Tgt Ion: 59 Resp: 3588

Ion Ratio Lower Upper

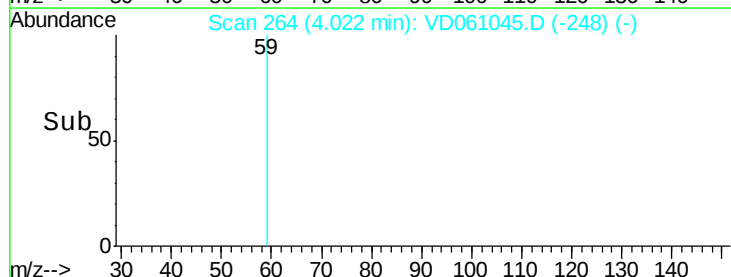
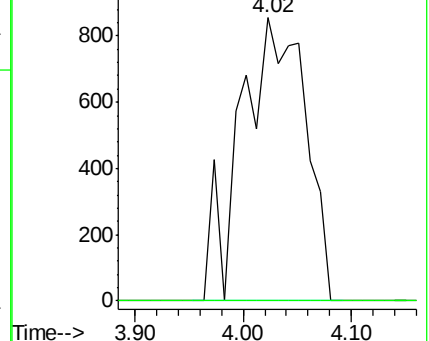
59 100

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





#16

Acetone

Concen: 6.404 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061045.D

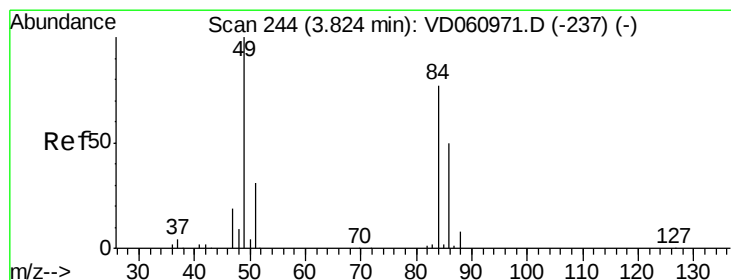
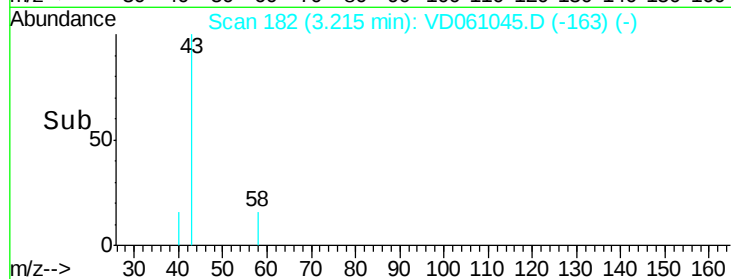
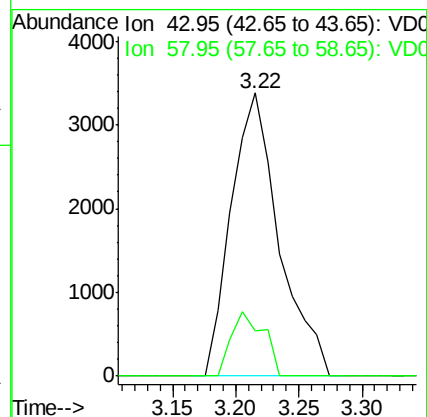
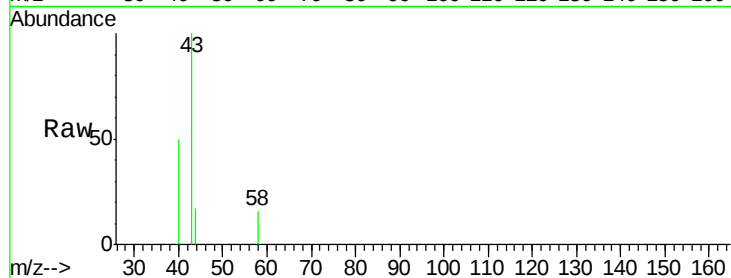
Acq: 13 Mar 2019 16:36

Tot Ion: 43 Resp: 8891

Ion Ratio Lower Upper

43 100

58 15.9 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061045.D

Acq: 13 Mar 2019 16:36

Tgt Ion: 84 Resp: 23711

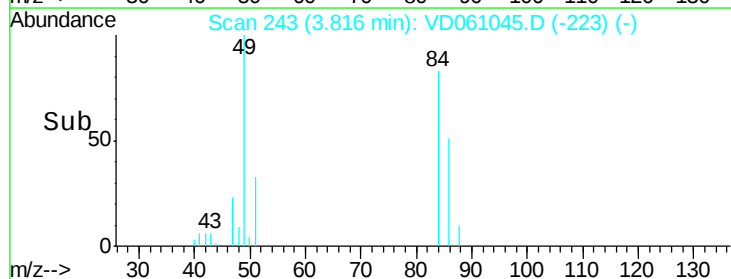
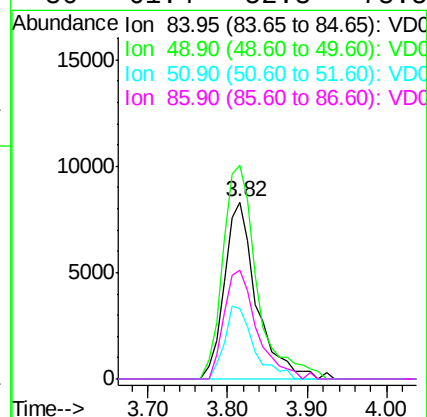
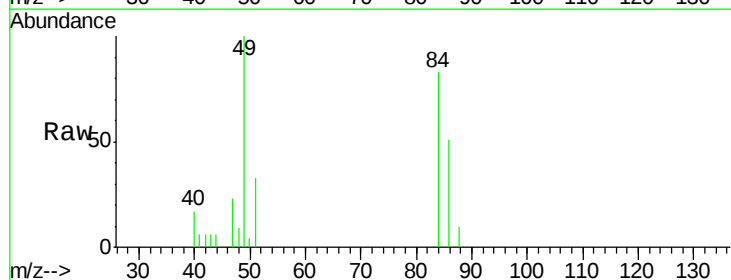
Ion Ratio Lower Upper

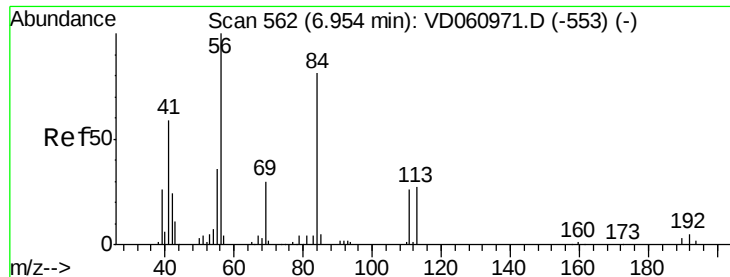
84 100

49 120.9 104.2 156.2

51 39.6 32.3 48.5

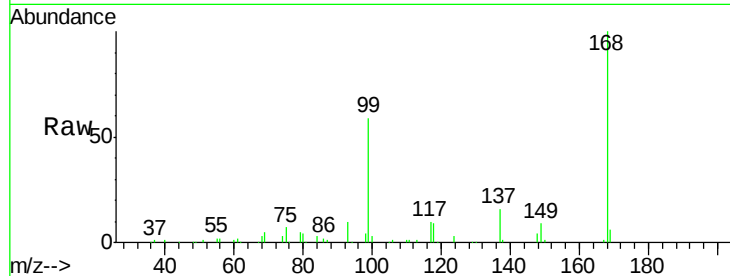
86 61.4 52.3 78.5



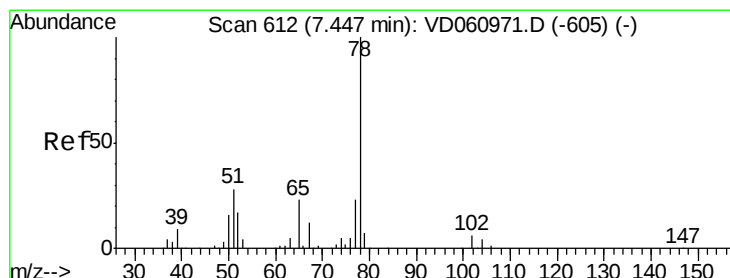
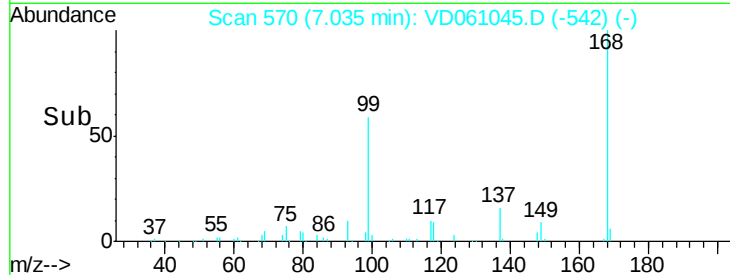
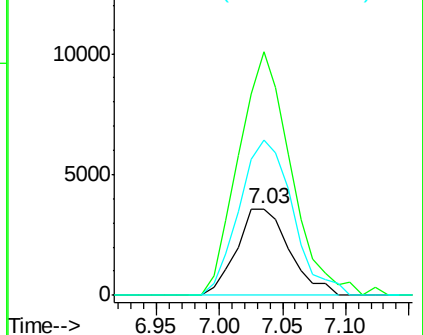


#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061045.D
Acq: 13 Mar 2019 16:36

Tot Ion	56	Resp	10376
Ion Ratio	Lower	Upper	
56	100		
69	280.8	24.0	36.0#
84	178.6	65.8	98.6#

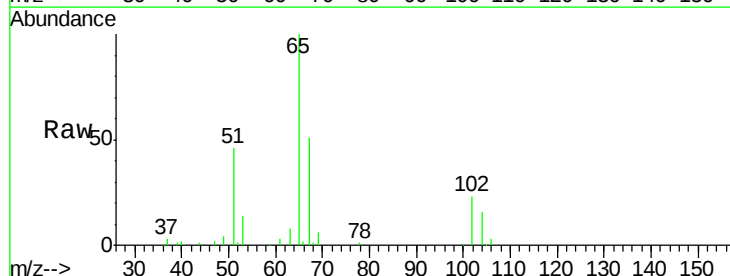


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

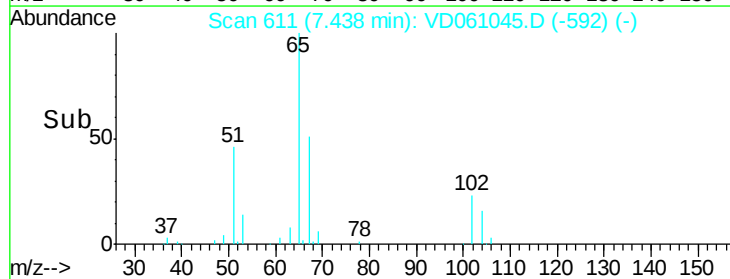
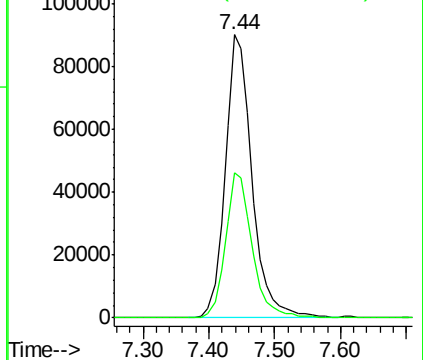


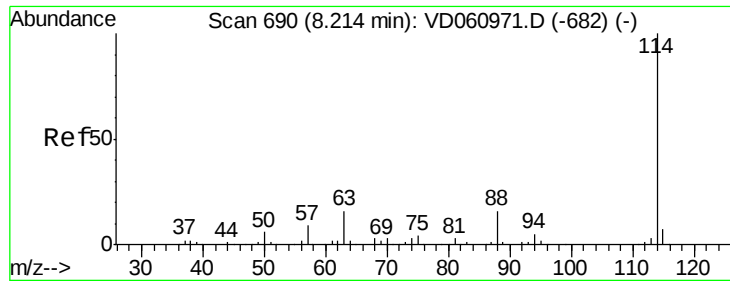
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061045.D
Acq: 13 Mar 2019 16:36

Tgt Ion	65	Resp	255267
Ion Ratio	Lower	Upper	
65	100		
67	51.5	0.0	105.2



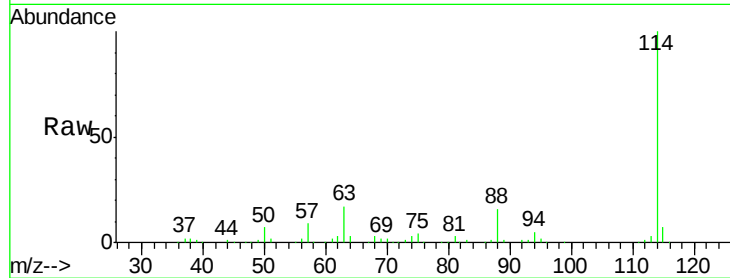
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



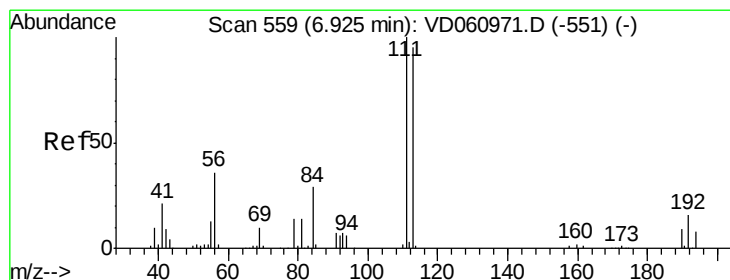
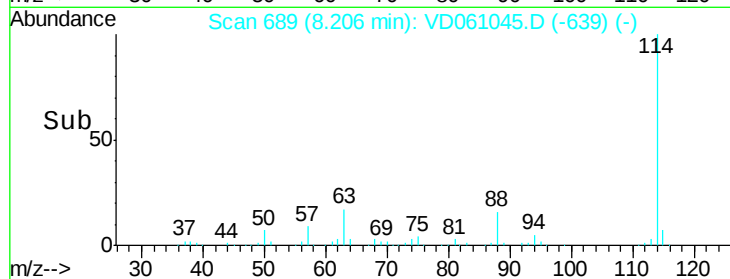
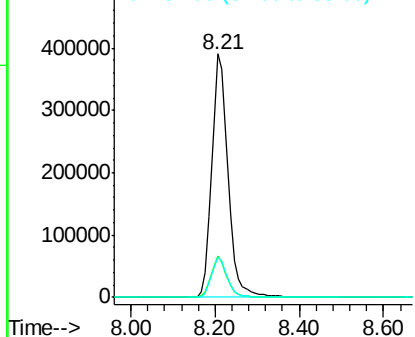


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061045.D
 Acq: 13 Mar 2019 16:36

Tot Ion:114 Resp: 1045439
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.4
 88 16.4 0.0 33.0

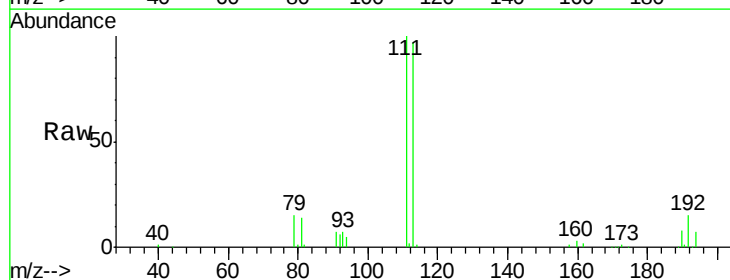


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

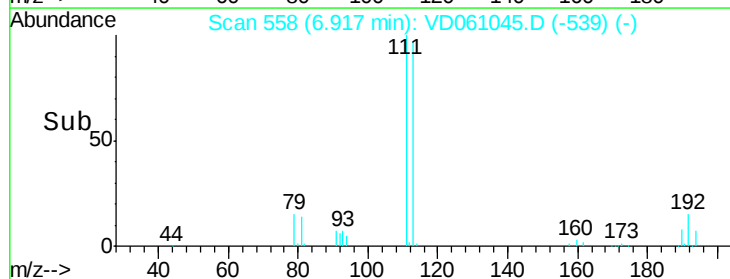
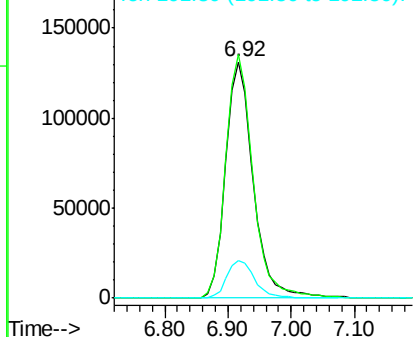


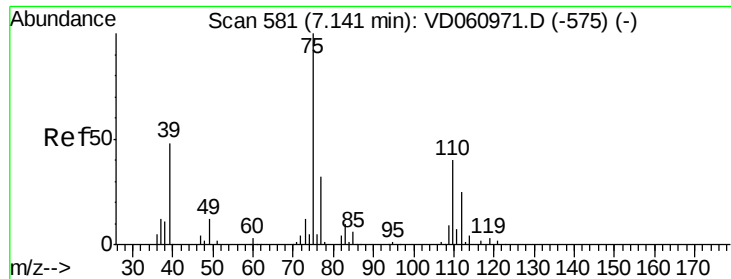
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061045.D
 Acq: 13 Mar 2019 16:36

Tgt Ion:113 Resp: 397553
 Ion Ratio Lower Upper
 113 100
 111 102.9 84.2 126.4
 192 15.7 13.1 19.7



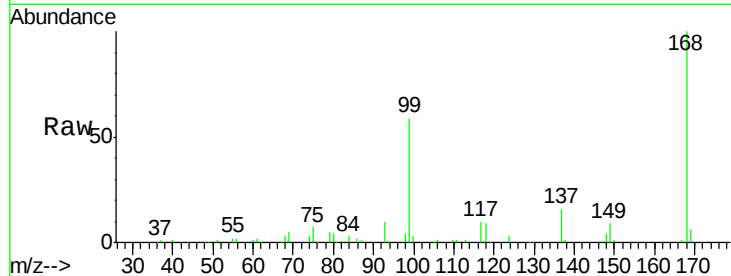
Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V



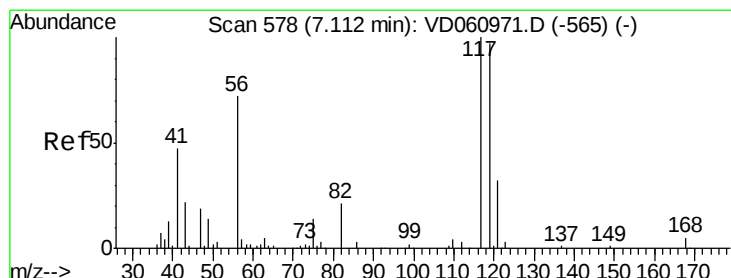
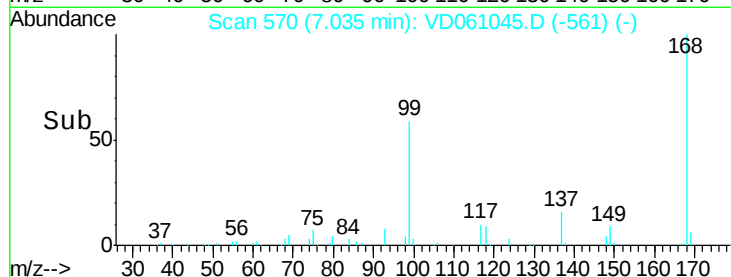
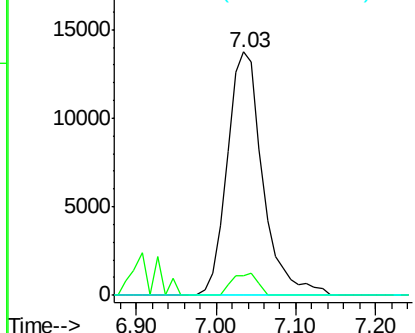


#36
 1,1-Dichloropropene
 Concen: 4.745 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061045.D
 Acq: 13 Mar 2019 16:36

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	19.7	59.1#
77	0.0	24.7	37.1#

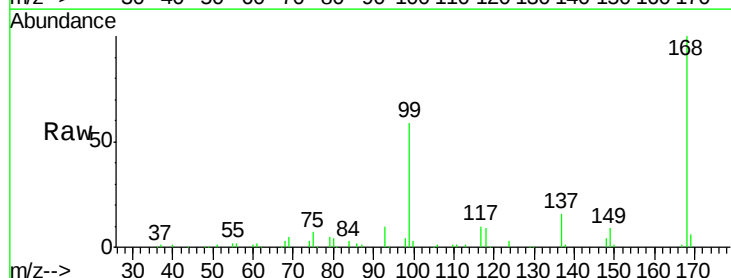


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

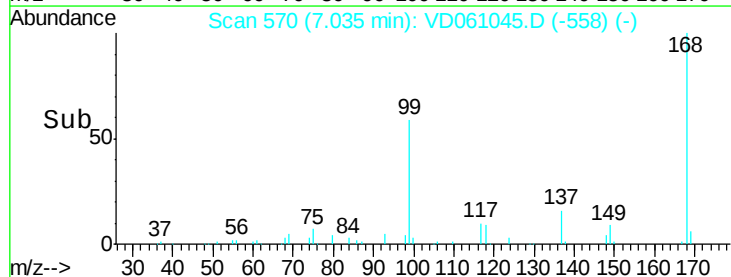
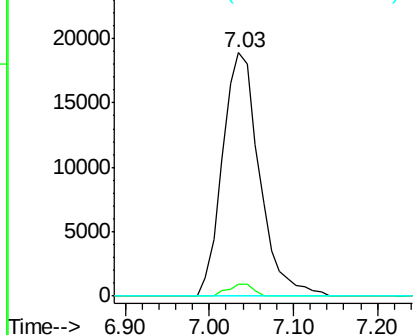


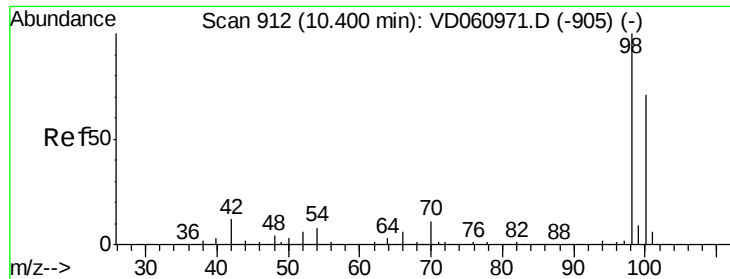
#38
 Carbon Tetrachloride
 Concen: 5.824 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061045.D
 Acq: 13 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	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: VD061045.D

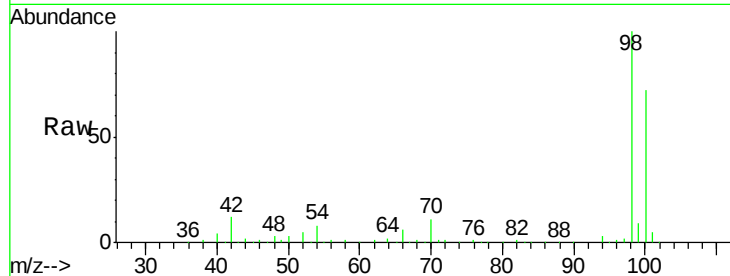
Acq: 13 Mar 2019 16:36

Tot Ion: 98 Resp: 917111

Ion Ratio Lower Upper

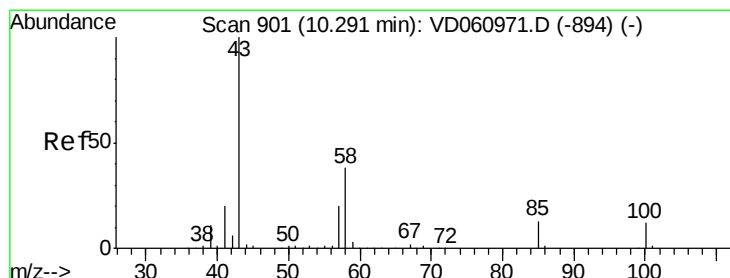
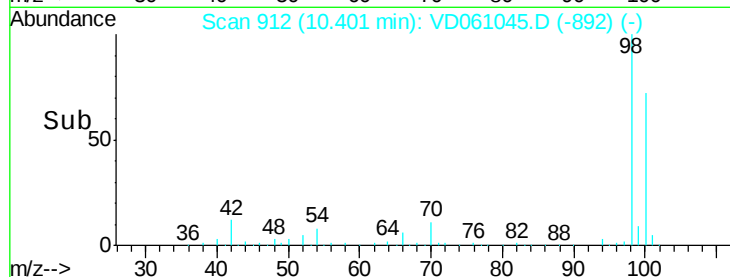
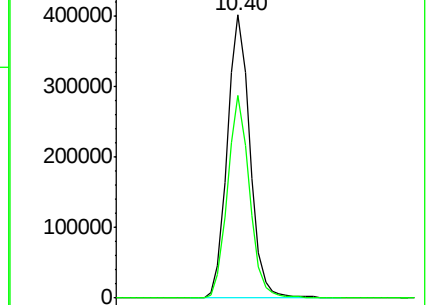
98 100

100 71.5 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: 1.085 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061045.D

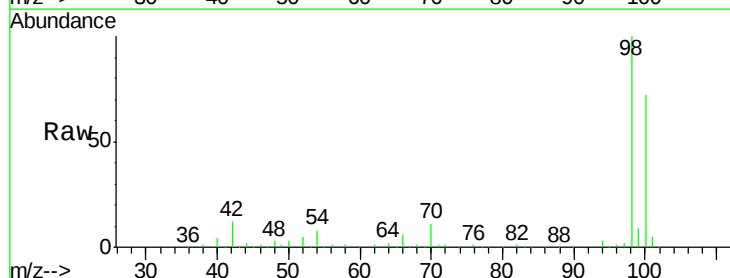
Acq: 13 Mar 2019 16:36

Tgt Ion: 43 Resp: 3892

Ion Ratio Lower Upper

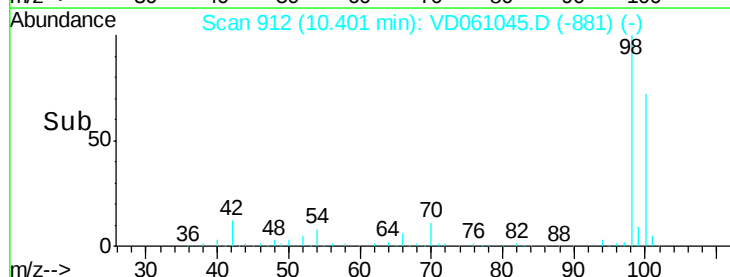
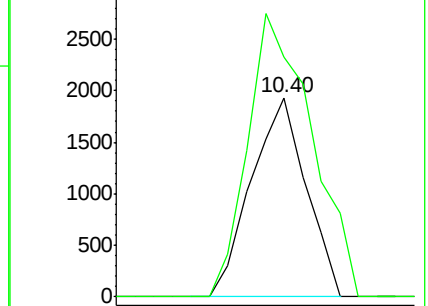
43 100

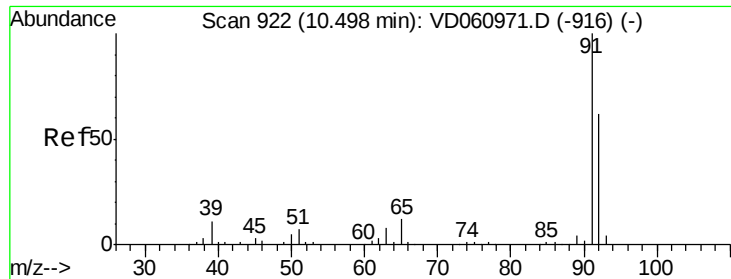
58 120.4 30.2 45.2#



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: 2.162 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061045.D

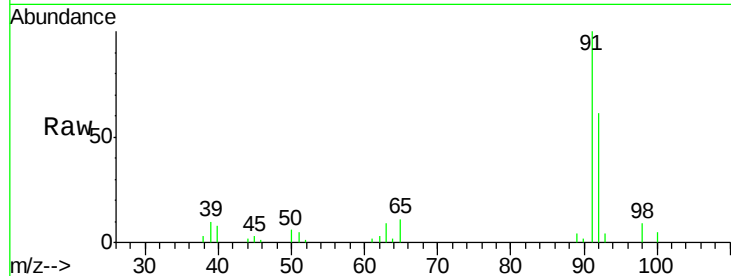
Acq: 13 Mar 2019 16:36

Tot Ion: 92 Resp: 30269

Ion Ratio Lower Upper

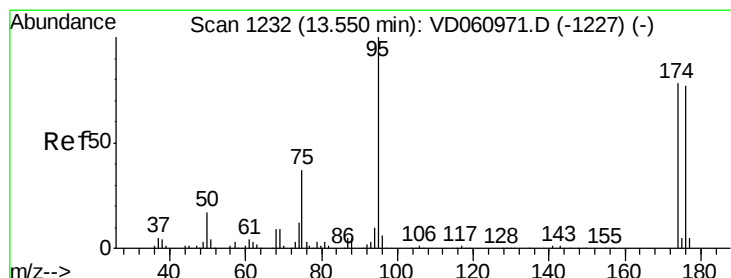
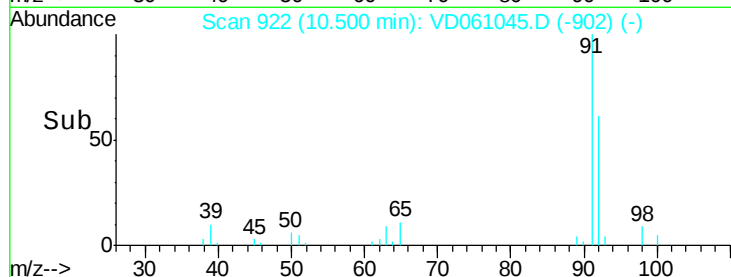
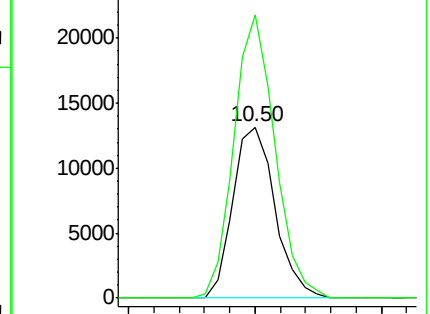
92 100

91 165.3 129.8 194.8



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061045.D

Acq: 13 Mar 2019 16:36

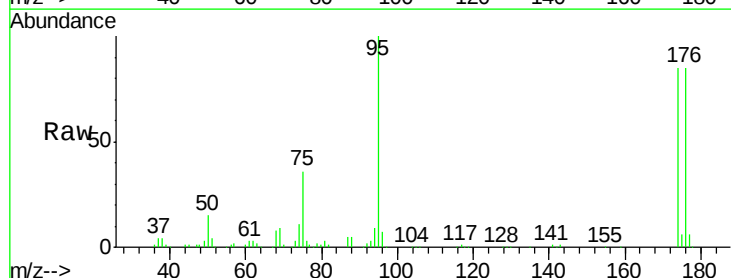
Tgt Ion: 95 Resp: 348792

Ion Ratio Lower Upper

95 100

174 84.8 0.0 155.6

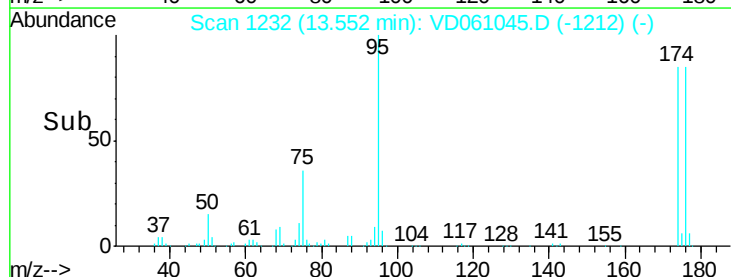
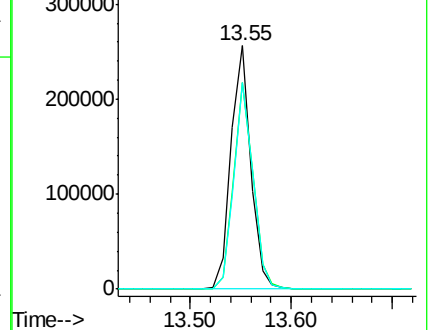
176 84.7 0.0 153.8

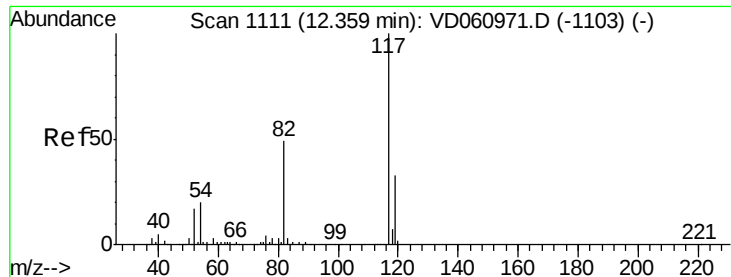


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

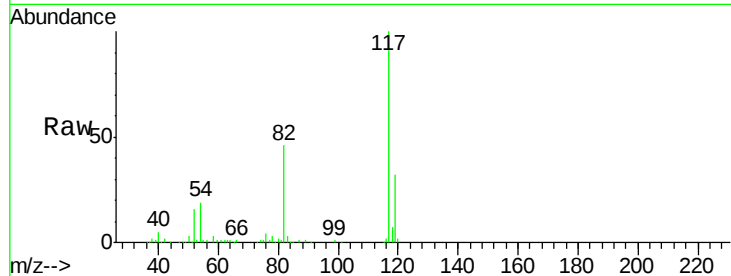
Ion 175.90 (175.60 to 176.60): V



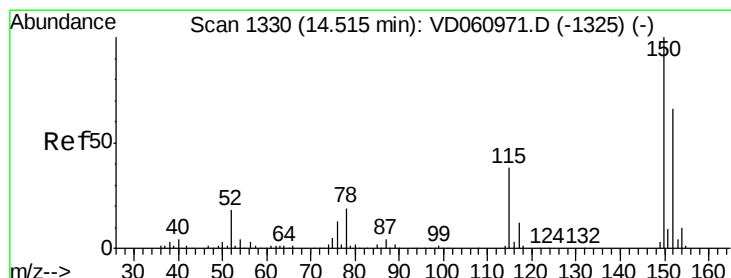
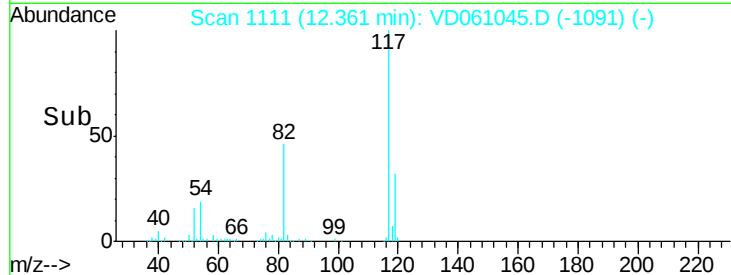
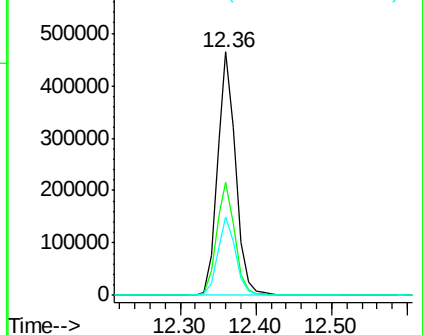


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061045.D
Acq: 13 Mar 2019 16:36

Tot Ion:117 Resp: 776884
Ion Ratio Lower Upper
117 100
82 46.4 38.9 58.3
119 32.2 26.6 39.8

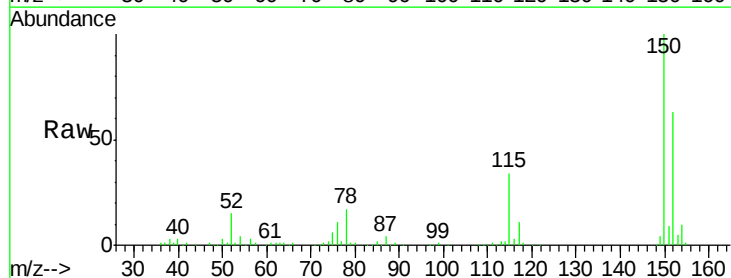


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

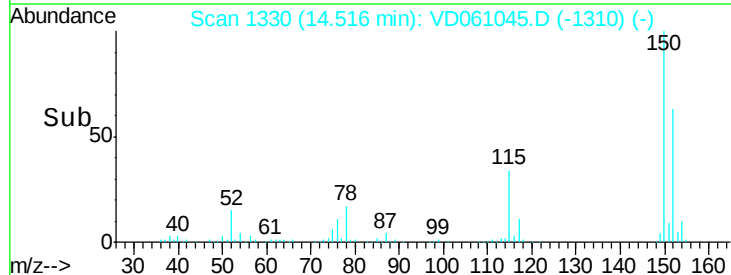
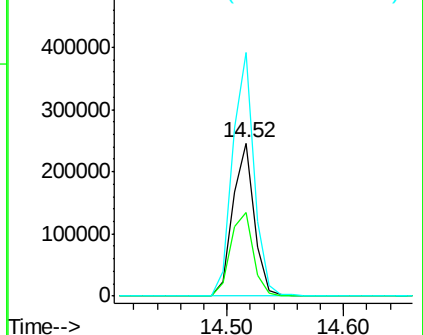


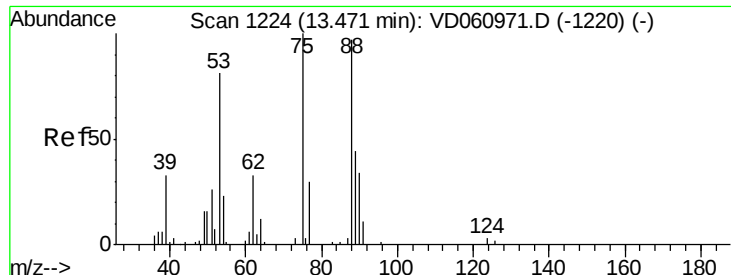
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061045.D
Acq: 13 Mar 2019 16:36

Tgt Ion:152 Resp: 314189
Ion Ratio Lower Upper
152 100
115 54.8 28.6 85.9
150 158.9 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: 97.444 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061045.D
 Acq: 13 Mar 2019 16:36

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

