

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061110.D
 Acq On : 16 Mar 2019 15:37
 Operator : VA/AP
 Sample : K1905-05
 Misc : 5.97g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 18 02:27:27 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	7.06	168	37420	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	83993	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	74445	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	32410	50.00	ug/l	0.00

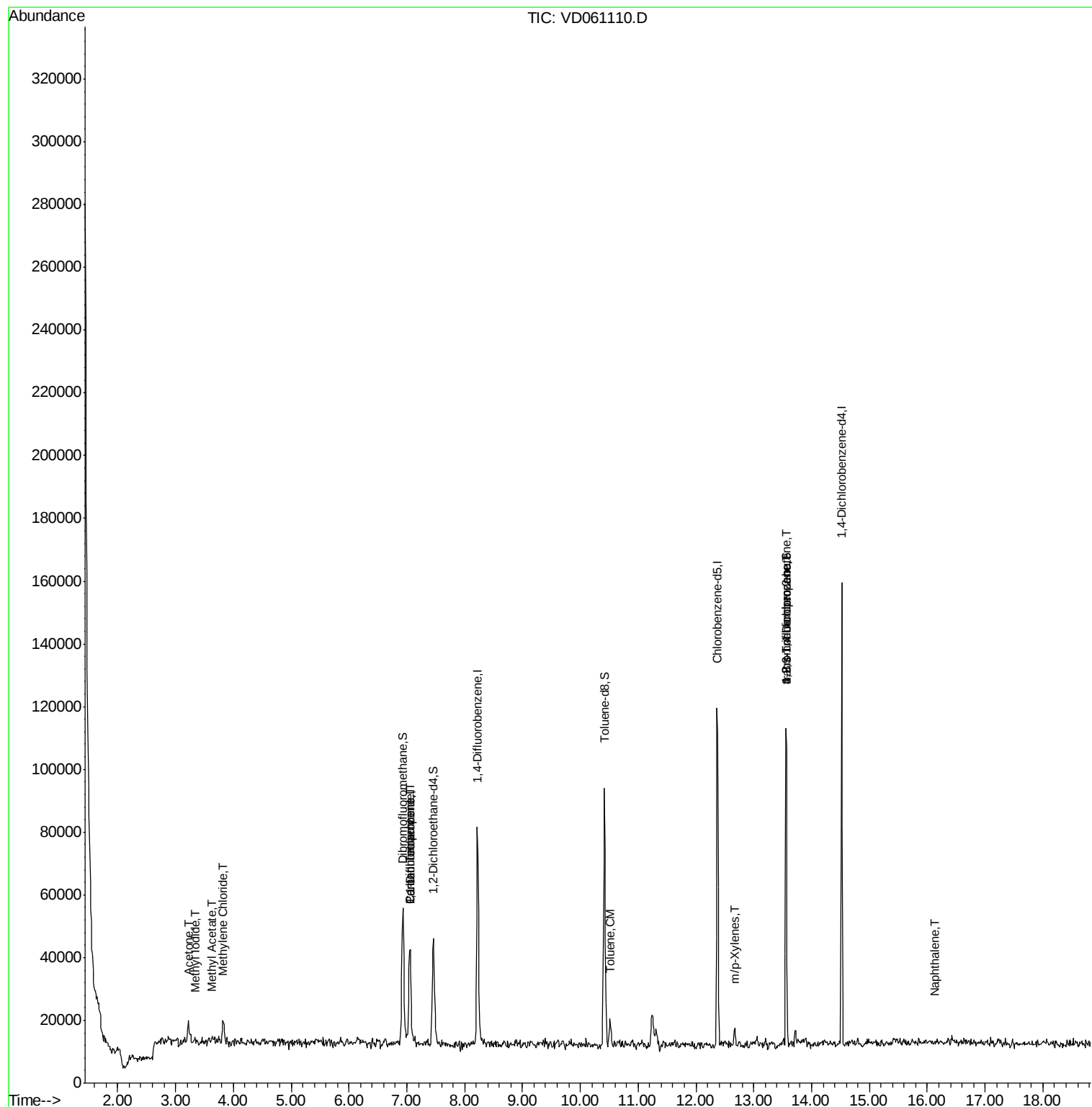
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	36477	117.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	234.22%	
35) Dibromofluoromethane	6.93	113	43164	69.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.50%	
50) Toluene-d8	10.41	98	71925	45.95	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.90%	
62) 4-Bromofluorobenzene	13.55	95	35931	59.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.34	142	221	3.263	ug/l #	39
16) Acetone	3.22	43	12601	141.473	ug/l	100
18) Methyl Acetate	3.64	43	1414	8.067	ug/l #	59
20) Methylene Chloride	3.83	84	4180	6.208	ug/l #	83
36) 1,1-Dichloropropene	7.06	75	2241	3.095	ug/l #	39
38) Carbon Tetrachloride	7.06	117	2899	3.635	ug/l #	11
52) Toluene	10.51	92	5188	4.612	ug/l	95
68) m/p-Xylenes	12.67	106	2906	3.408	ug/l #	60
76) 1,2,3-Trichloropropane	13.55	75	10841	23.250	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	12784	92.996	ug/l #	17
95) Naphthalene	16.12	128	982	1.569	ug/l #	70

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061110.D

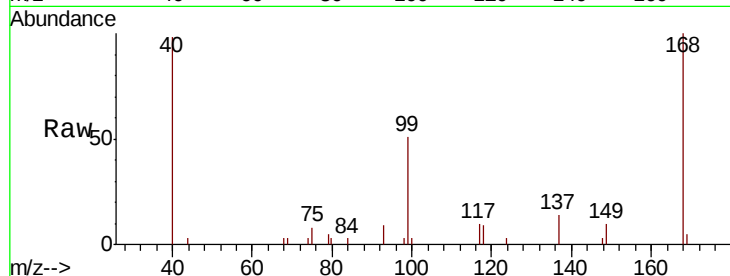
Acq: 16 Mar 2019 15:37

Tgt Ion:168 Resp: 37420

Ion Ratio Lower Upper

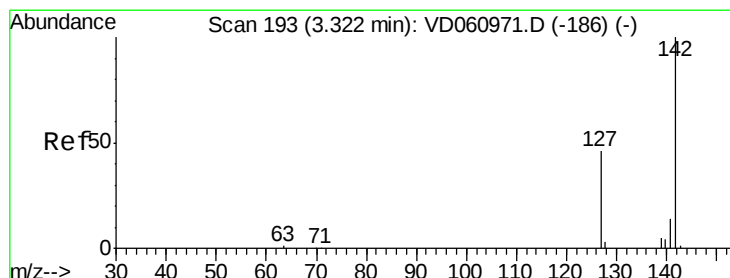
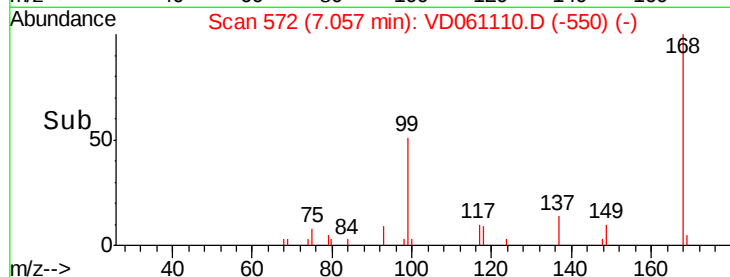
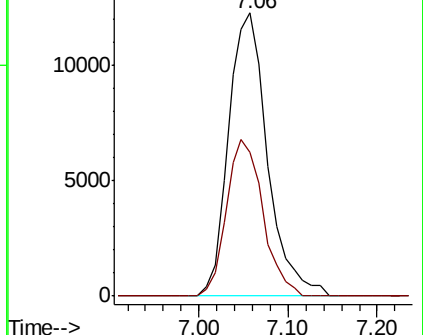
168 100

99 50.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#10

Methyl Iodide

Concen: 3.263 ug/l

RT: 3.34 min Scan# 194

Delta R.T. 0.02 min

Lab File: VD061110.D

Acq: 16 Mar 2019 15:37

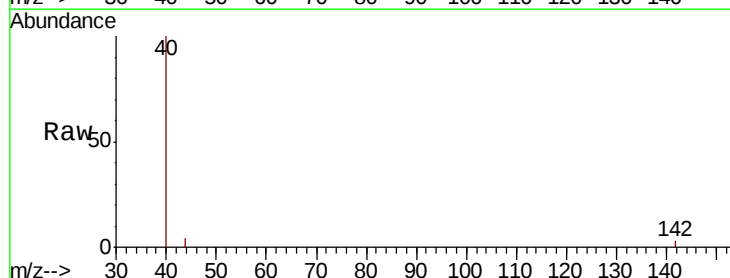
Tgt Ion:142 Resp: 221

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

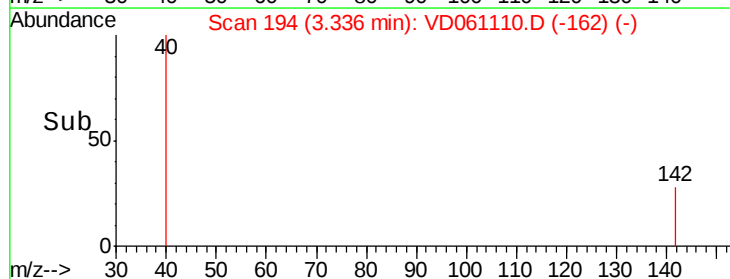
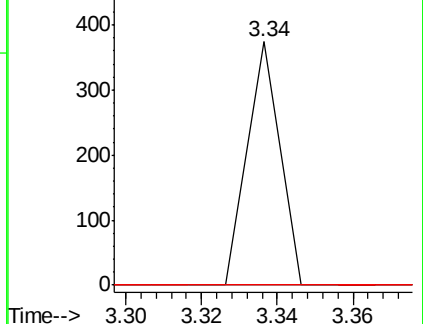
141 0.0 11.2 16.8#



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





#16

Acetone

Concen: 141.473 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061110.D

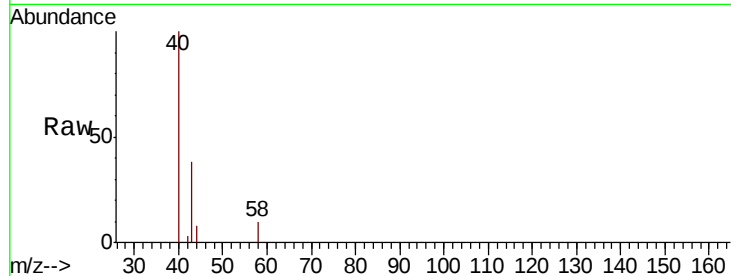
Acq: 16 Mar 2019 15:37

Tgt Ion: 43 Resp: 12601

Ion Ratio Lower Upper

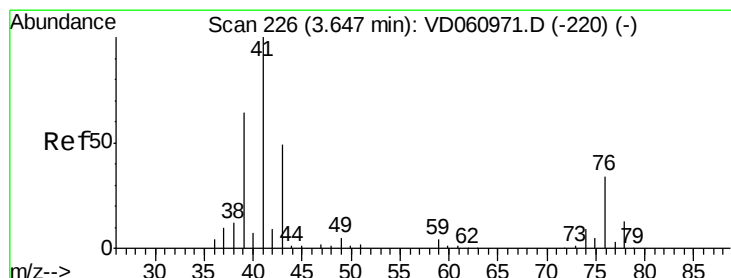
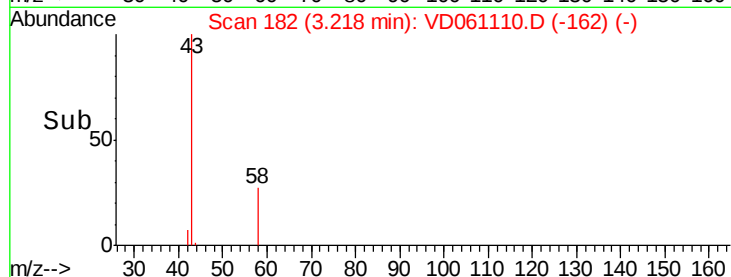
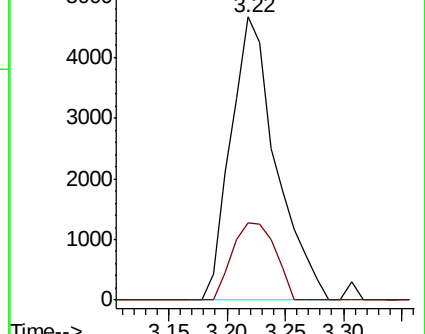
43 100

58 27.2 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 8.067 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061110.D

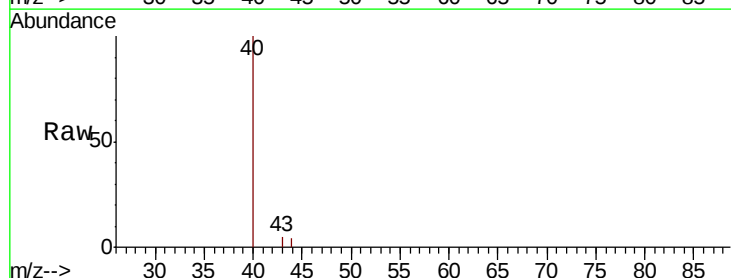
Acq: 16 Mar 2019 15:37

Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

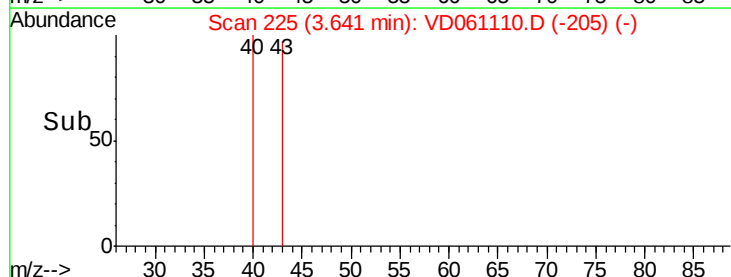
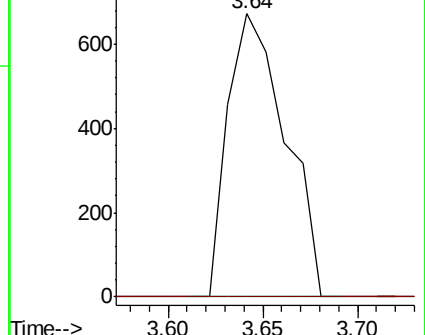
43 100

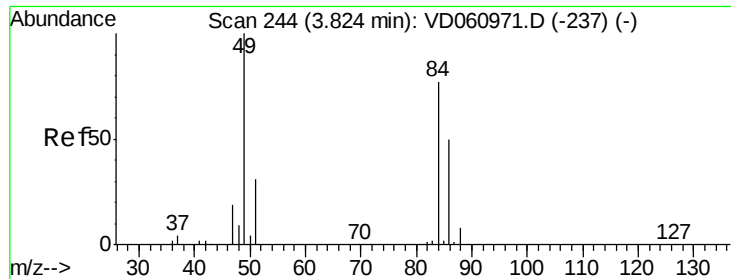
74 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

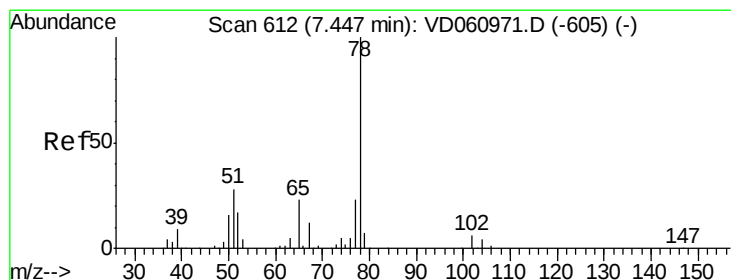
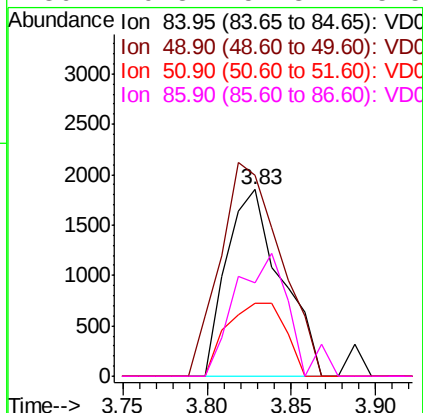
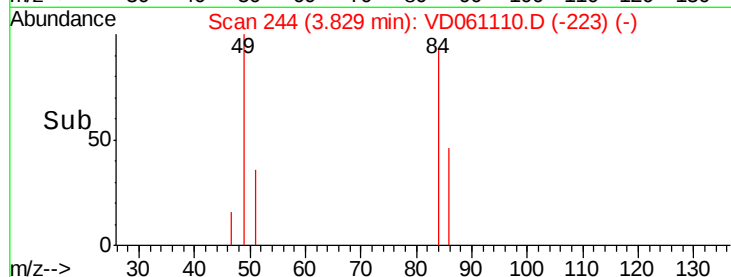
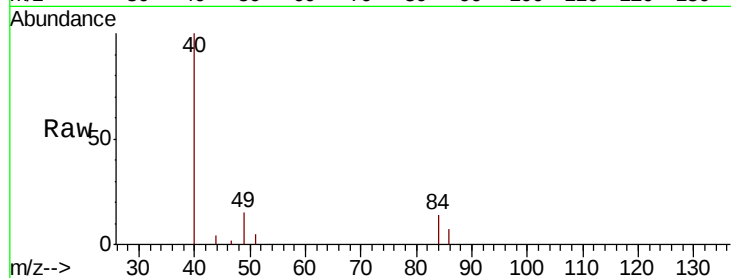
Ion 74.00 (73.70 to 74.70): VDC





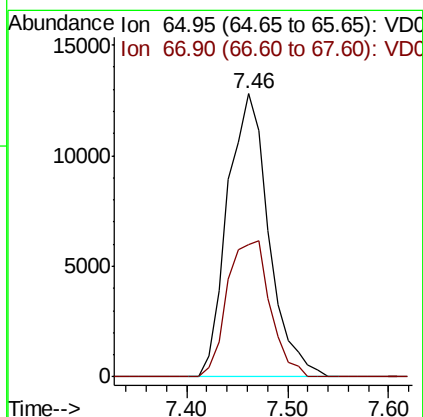
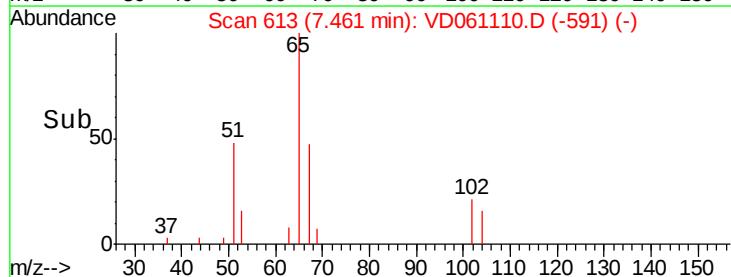
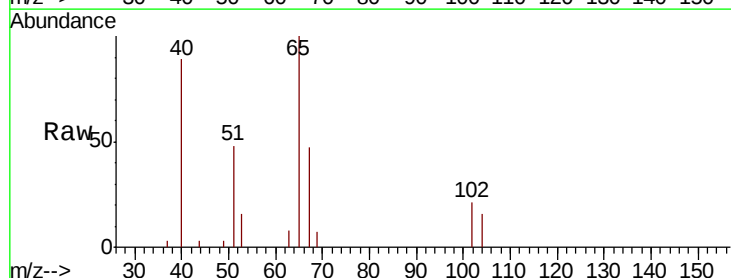
#20
Methylene Chloride
Concen: 6.208 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

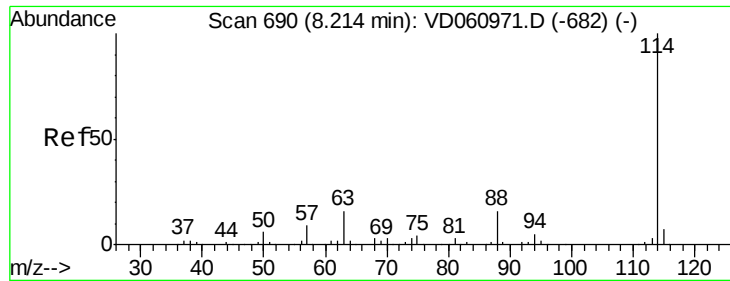
Tgt Ion: 84 Resp: 4180
Ion Ratio Lower Upper
84 100
49 107.7 104.2 156.2
51 38.8 32.3 48.5
86 49.8 52.3 78.5#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

Tgt Ion: 65 Resp: 36477
Ion Ratio Lower Upper
65 100
67 46.9 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061110.D

Acq: 16 Mar 2019 15:37

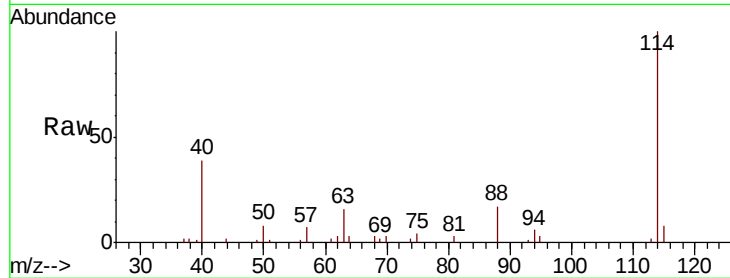
Tgt Ion:114 Resp: 83993

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

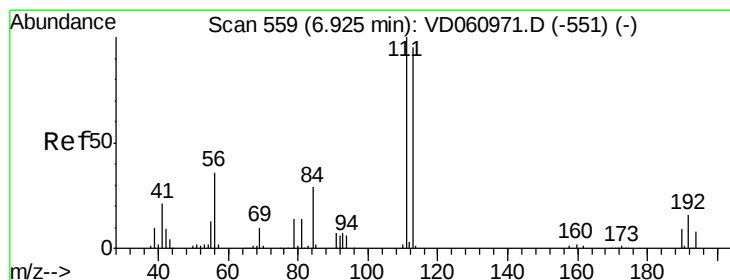
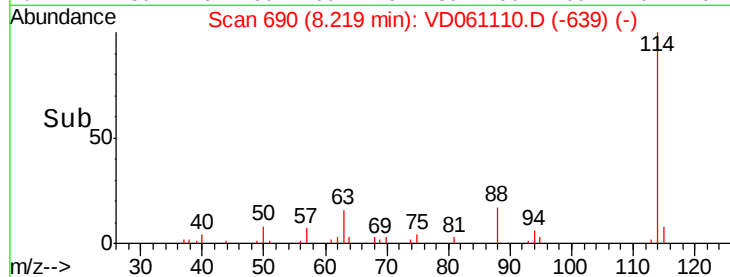
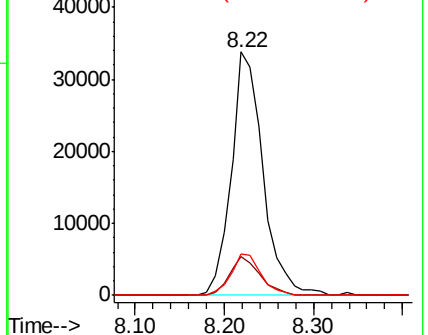
88 17.1 0.0 33.0



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: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061110.D

Acq: 16 Mar 2019 15:37

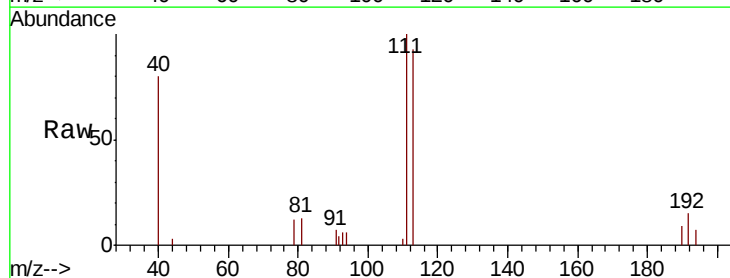
Tgt Ion:113 Resp: 43164

Ion Ratio Lower Upper

113 100

111 107.6 84.2 126.4

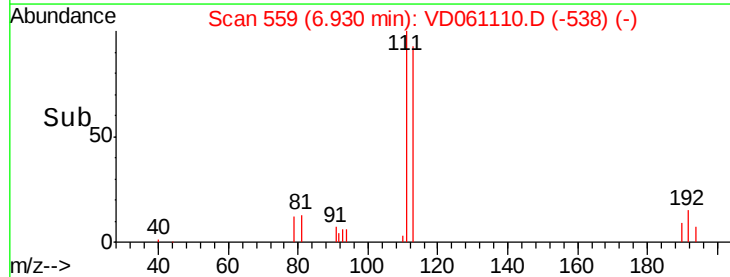
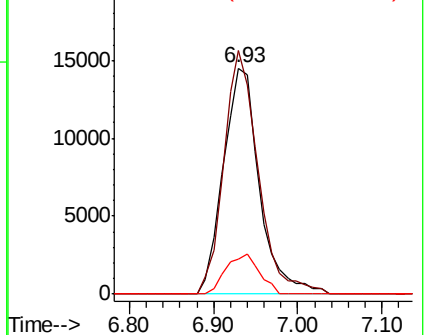
192 15.6 13.1 19.7

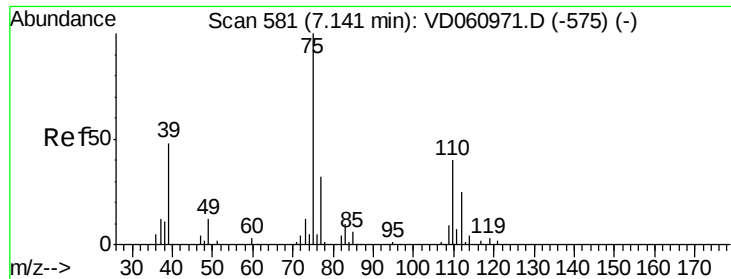


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.095 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD061110.D

Acq: 16 Mar 2019 15:37

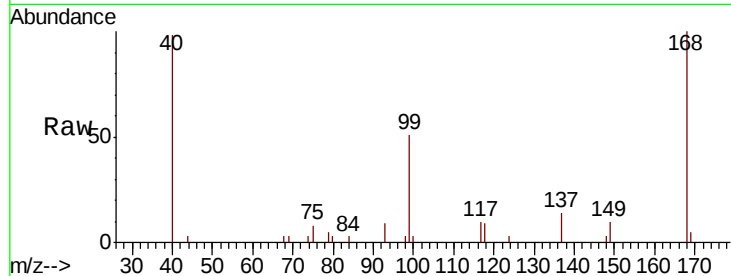
Tgt Ion: 75 Resp: 2241

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

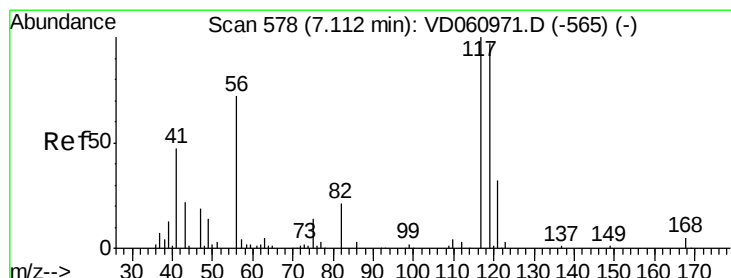
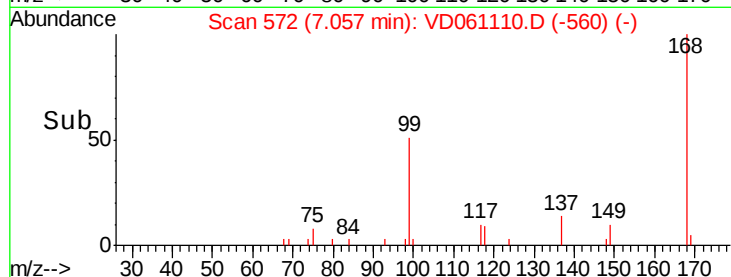
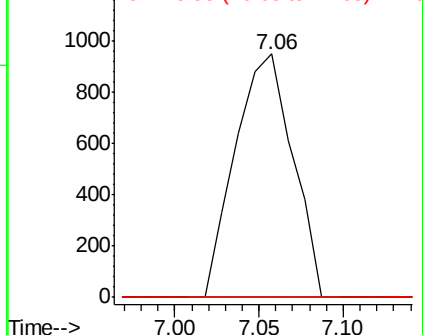
77 0.0 24.7 37.1#



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: 3.635 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD061110.D

Acq: 16 Mar 2019 15:37

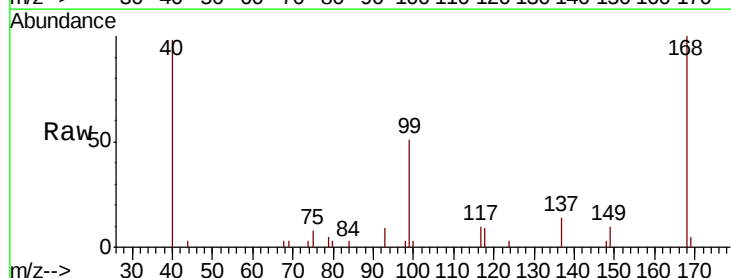
Tgt Ion: 117 Resp: 2899

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

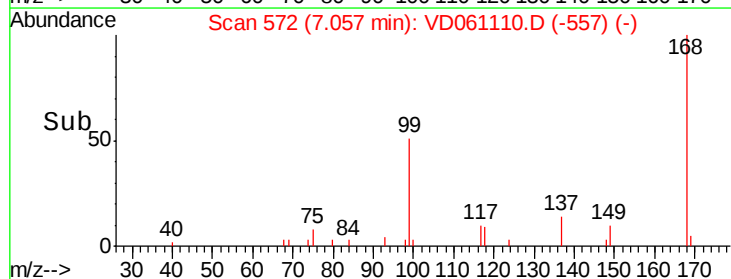
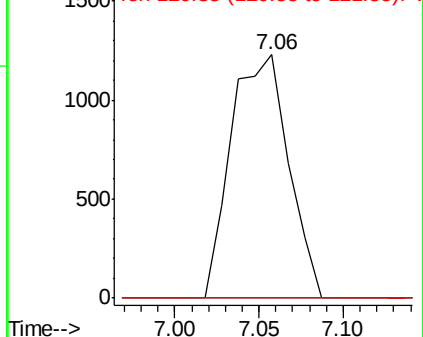
121 0.0 25.3 37.9#

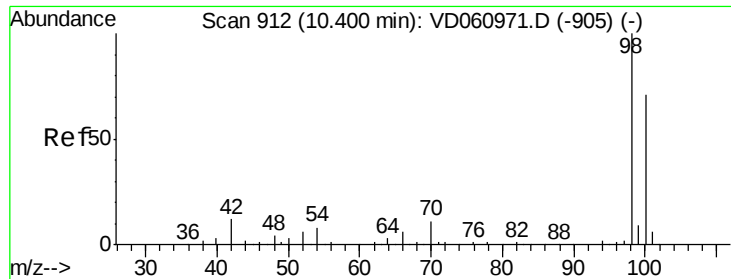


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061110.D

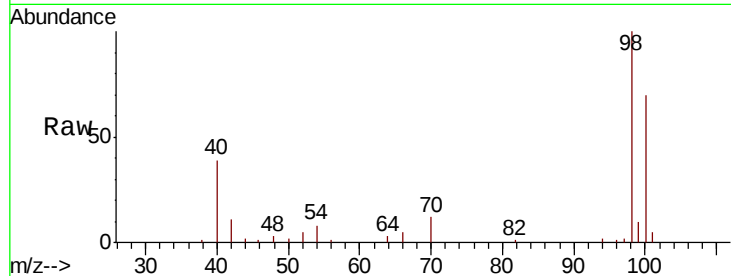
Acq: 16 Mar 2019 15:37

Tgt Ion: 98 Resp: 71925

Ion Ratio Lower Upper

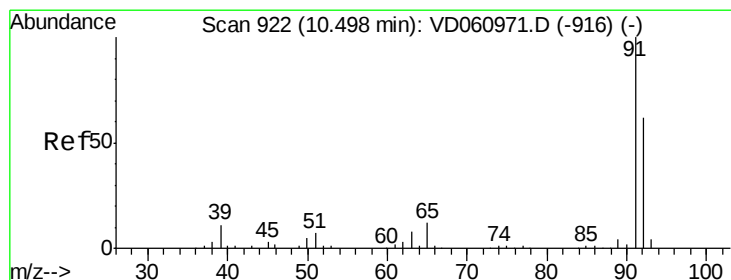
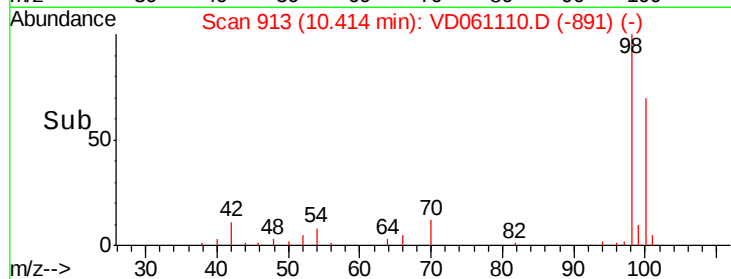
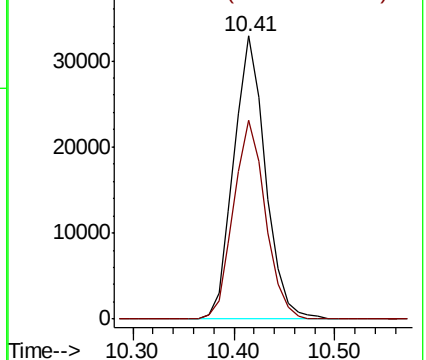
98 100

100 70.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 4.612 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061110.D

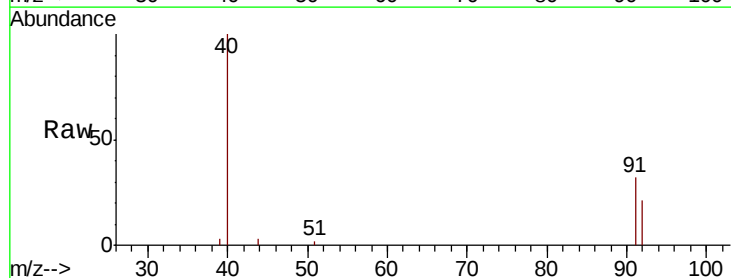
Acq: 16 Mar 2019 15:37

Tgt Ion: 92 Resp: 5188

Ion Ratio Lower Upper

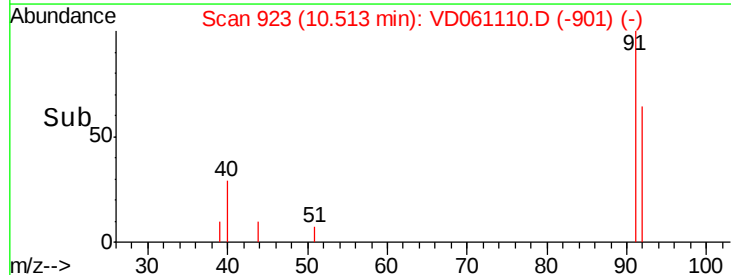
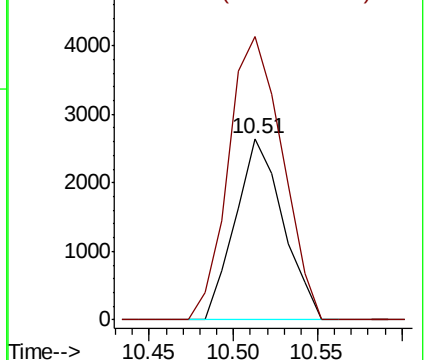
92 100

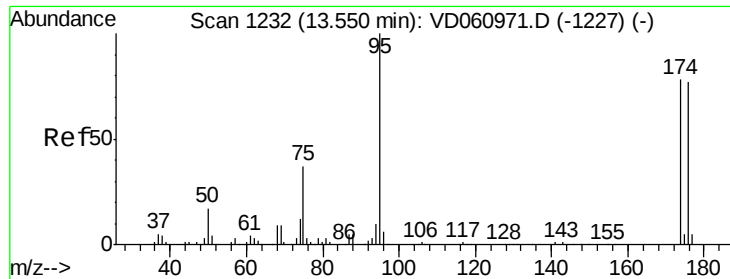
91 156.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

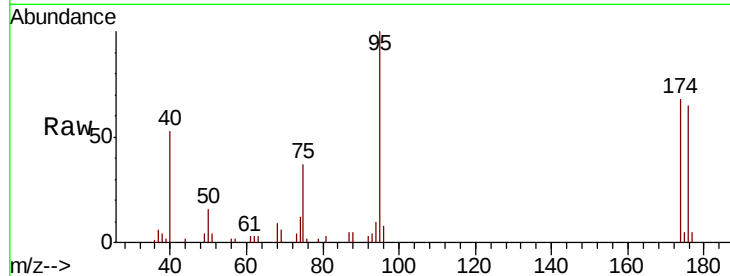
Ion 91.00 (90.70 to 91.70): VDC



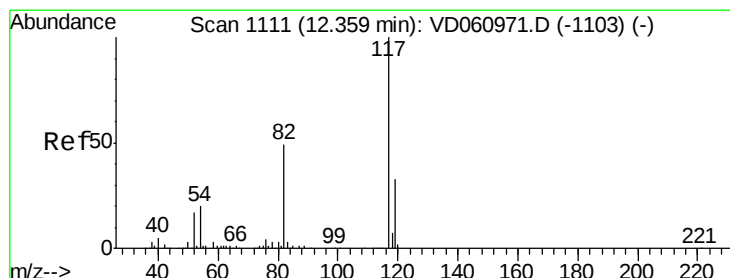
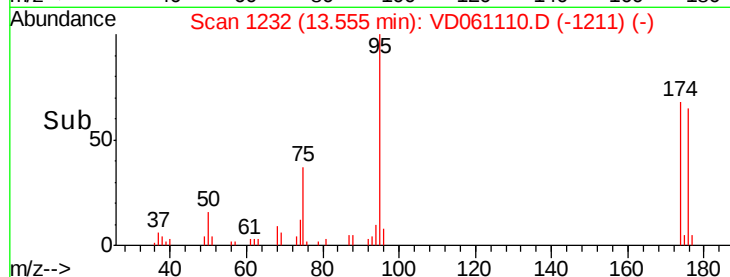
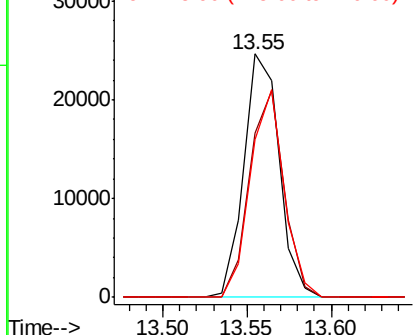


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

Tgt Ion: 95 Resp: 35931
Ion Ratio Lower Upper
95 100
174 67.7 0.0 155.6
176 65.0 0.0 153.8

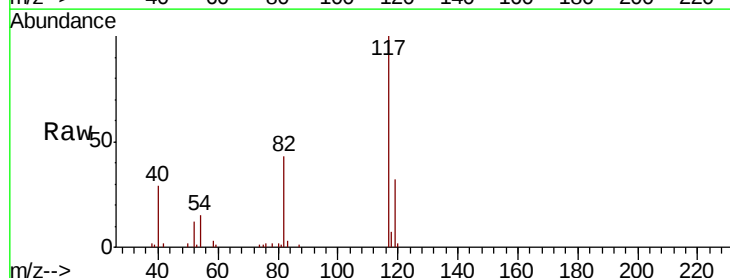


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

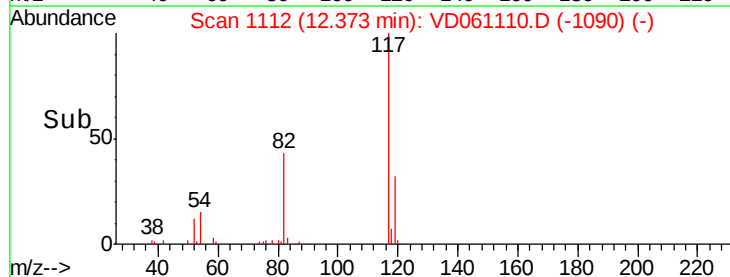
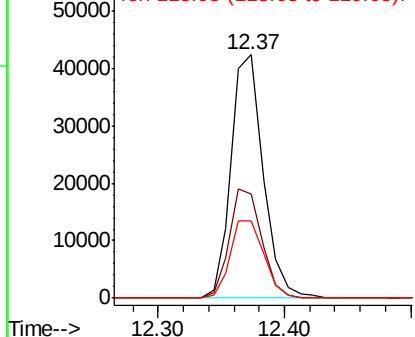


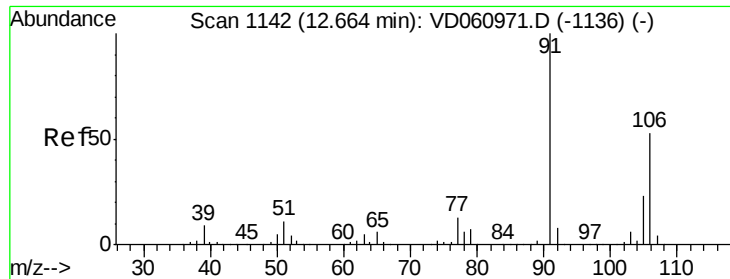
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

Tgt Ion: 117 Resp: 74445
Ion Ratio Lower Upper
117 100
82 42.7 38.9 58.3
119 31.6 26.6 39.8



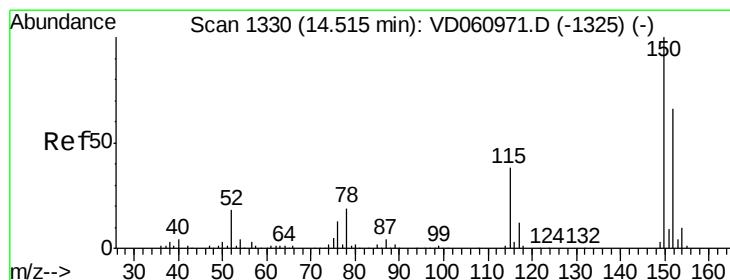
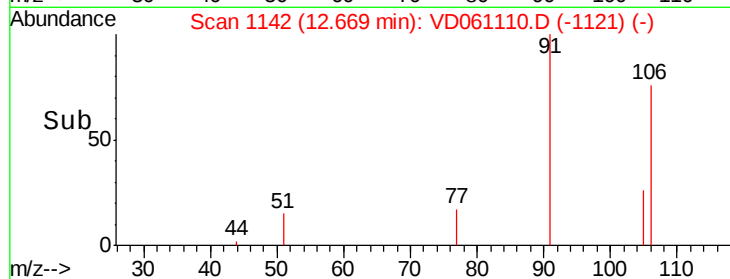
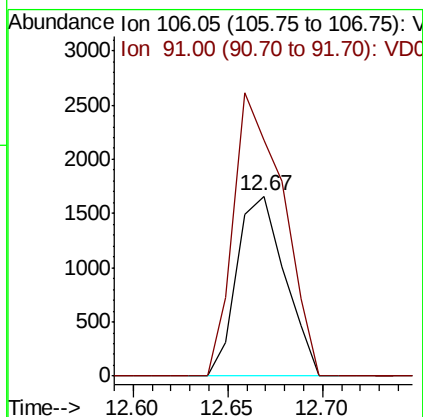
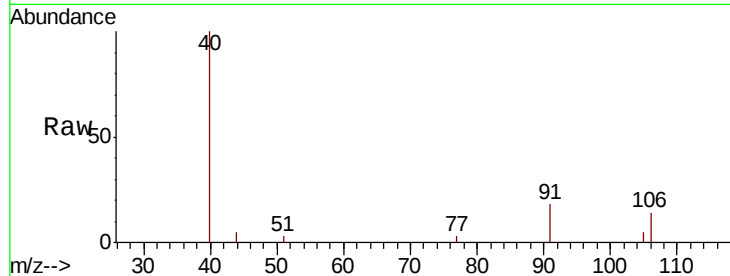
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V





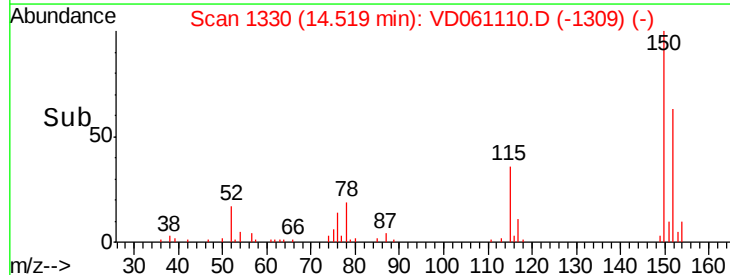
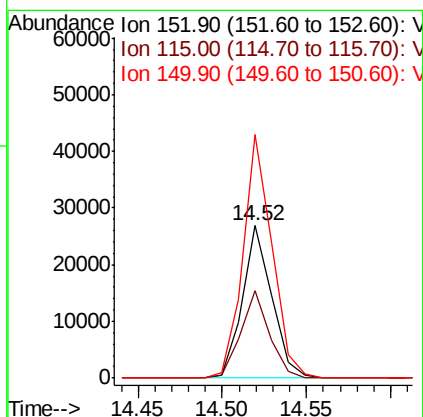
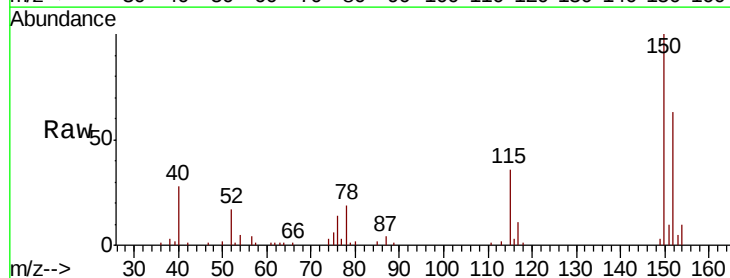
#68
m/p-Xylenes
Concen: 3.408 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

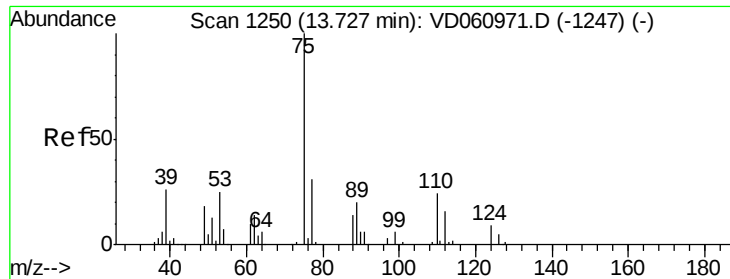
Tgt Ion:106 Resp: 2906
Ion Ratio Lower Upper
106 100
91 131.2 152.0 228.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

Tgt Ion:152 Resp: 32410
Ion Ratio Lower Upper
152 100
115 57.7 28.6 85.9
150 159.5 0.0 310.6

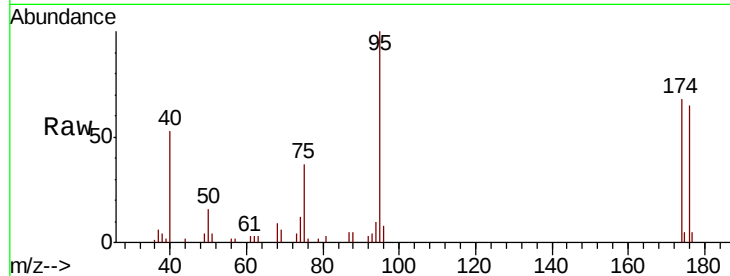




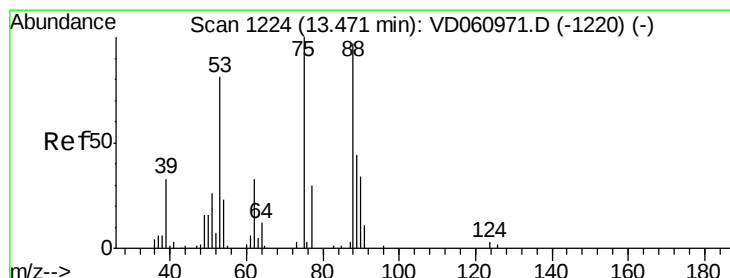
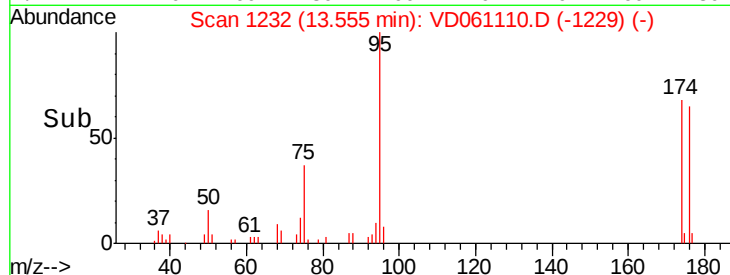
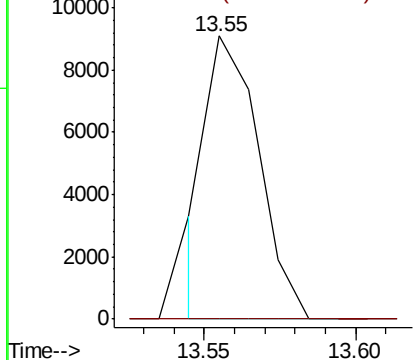
#76

1,2,3-Trichloropropane
Concen: 23.250 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.17 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

Tgt Ion: 75 Resp: 10841
Ion Ratio Lower Upper
75 100
77 0.0 16.6 49.7#



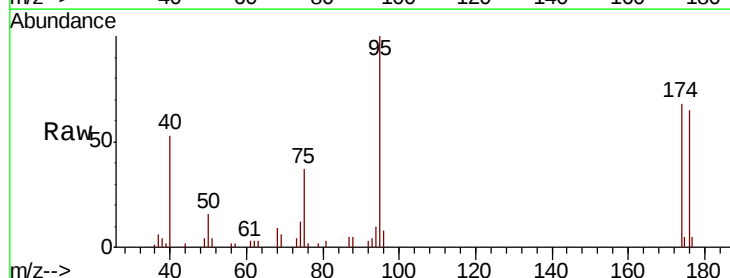
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC



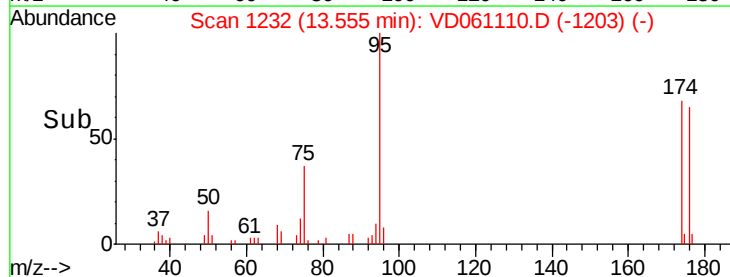
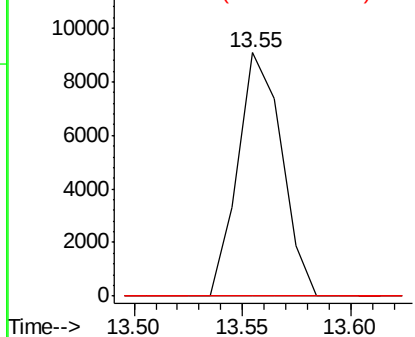
#81

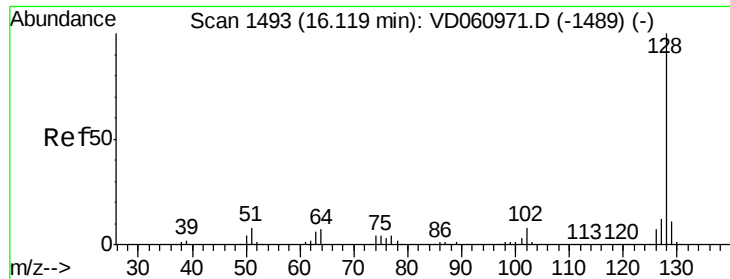
trans-1,4-Dichloro-2-butene
Concen: 92.996 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

Tgt Ion: 75 Resp: 12784
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 34.8 52.2#



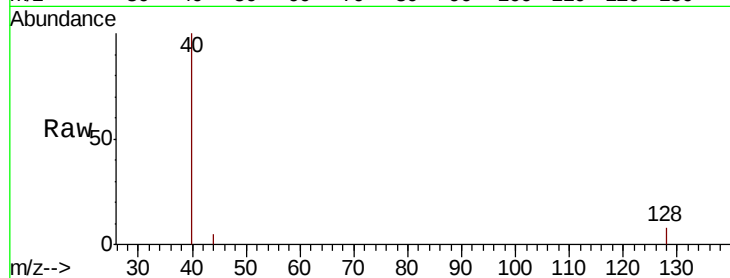
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 1.569 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061110.D
Acq: 16 Mar 2019 15:37

Tgt Ion:128 Resp: 982
Ion Ratio Lower Upper
128 100
127 0.0 9.8 14.8#
129 0.0 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

