

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061050.D
 Acq On : 13 Mar 2019 18:53
 Operator : VA/AP
 Sample : K1869-01
 Misc : 6.63g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 14 02:02:29 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	239782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	444492	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	397378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	168233	50.00	ug/l	0.00

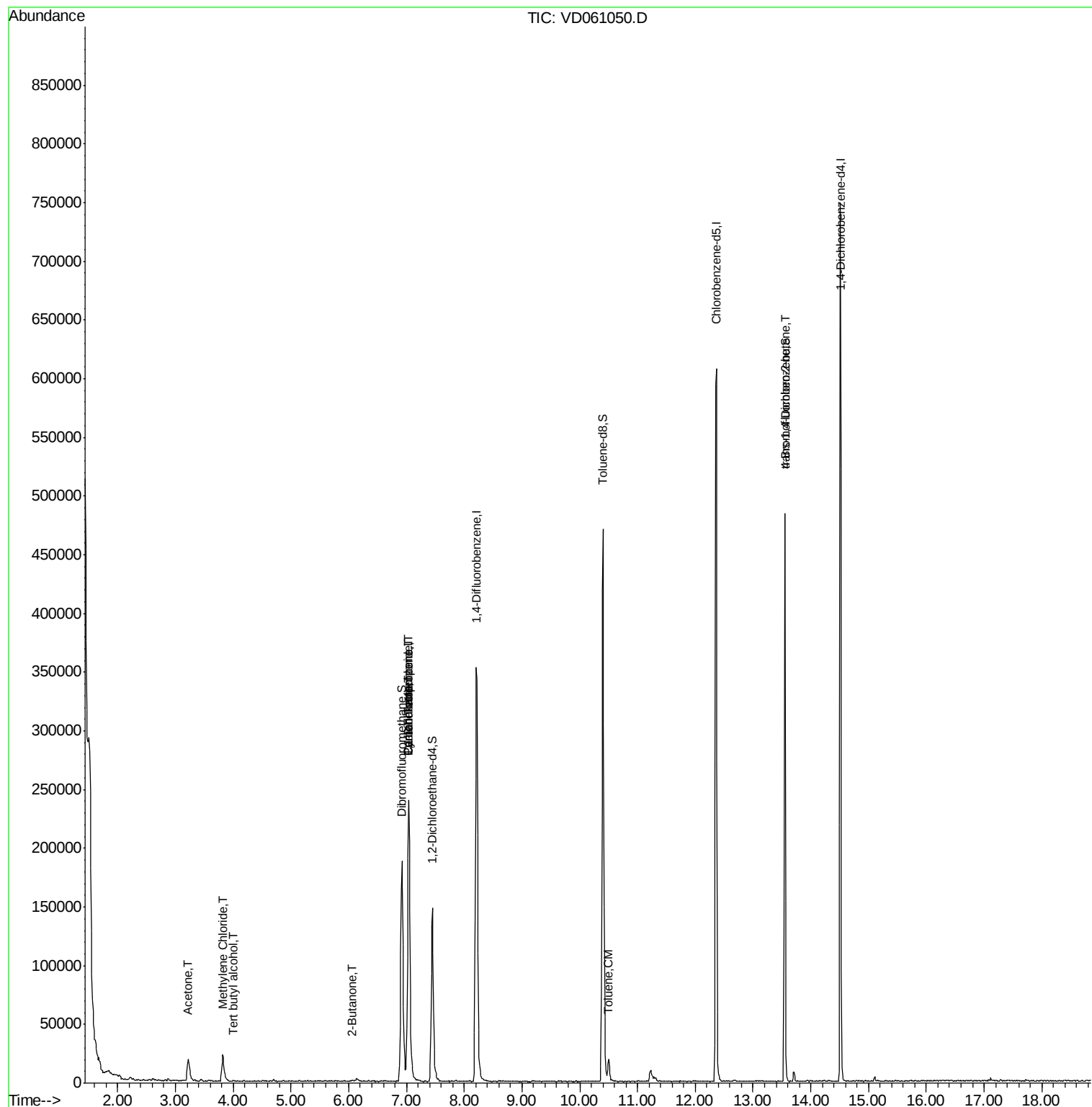
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	143588	71.94	ug/l	0.00
Spiked Amount			Recovery	=	143.88%	
35) Dibromofluoromethane	6.92	113	187628	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	
50) Toluene-d8	10.40	98	405209	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	13.54	95	174059	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	

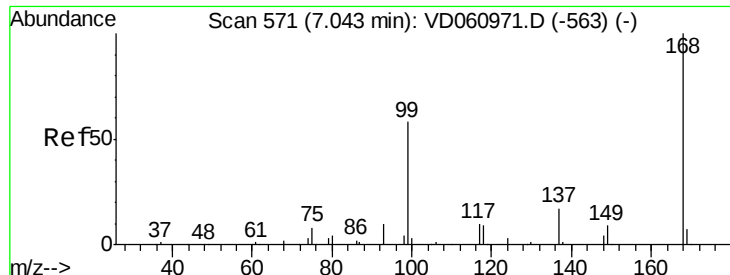
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	189	1.487	ug/l #	75
16) Acetone	3.22	43	39883	69.878	ug/l	95
20) Methylene Chloride	3.82	84	17021	2.070	ug/l #	94
25) 2-Butanone	6.06	43	894	1.380	ug/l #	55
31) Cyclohexane	7.04	56	3915	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	16968	4.429	ug/l #	48
38) Carbon Tetrachloride	7.04	117	23601	5.592	ug/l #	15
52) Toluene	10.50	92	10371	1.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.54	75	64515	90.412	ug/l #	17

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061050.D

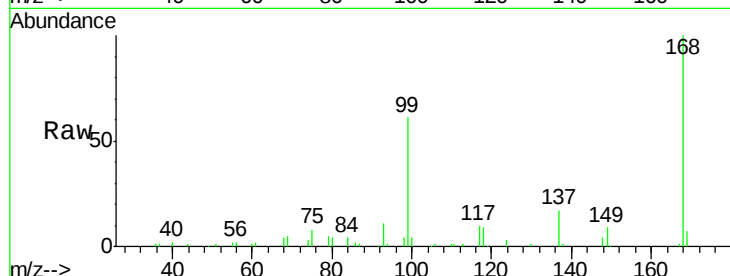
Acq: 13 Mar 2019 18:53

Tot Ion:168 Resp: 239782

Ion Ratio Lower Upper

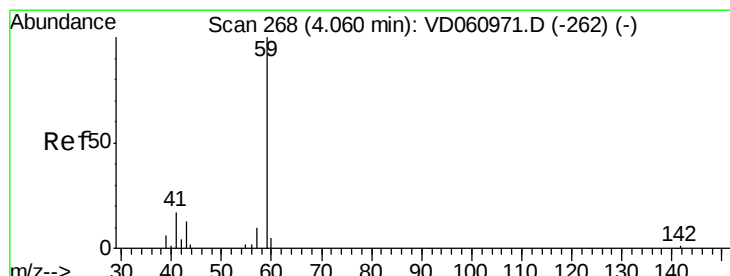
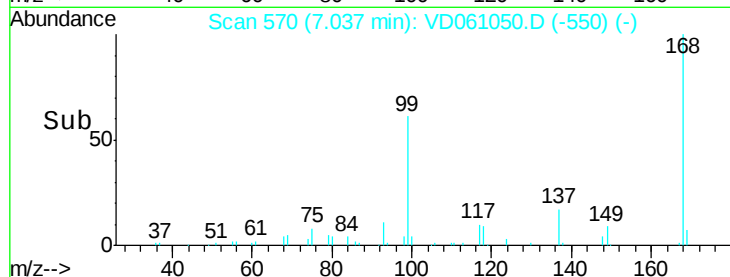
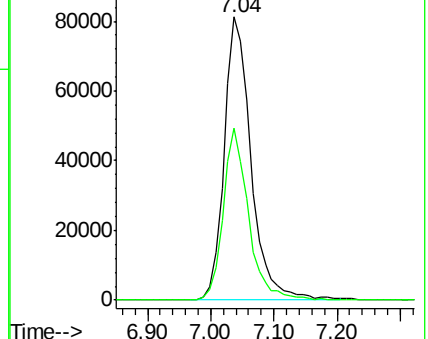
168 100

99 60.9 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: 1.487 ug/l

RT: 4.00 min Scan# 261

Delta R.T. -0.06 min

Lab File: VD061050.D

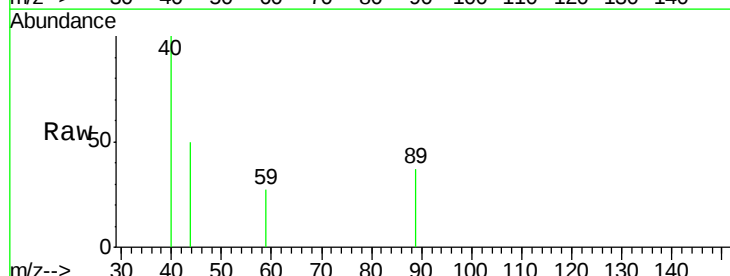
Acq: 13 Mar 2019 18:53

Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

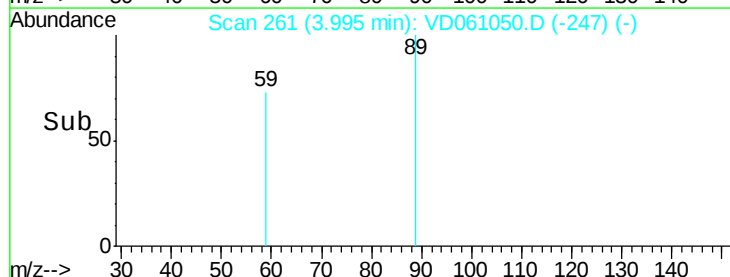
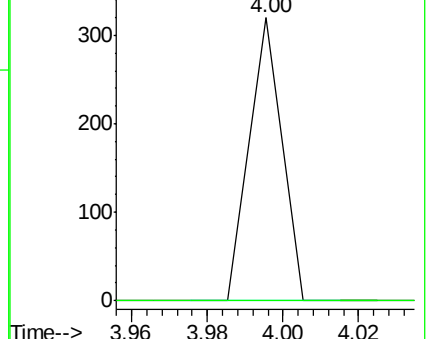
59 100

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: 69.878 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061050.D

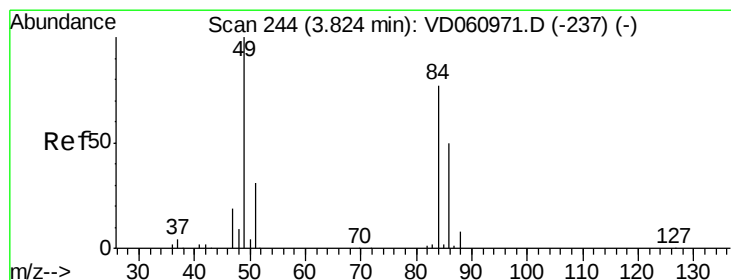
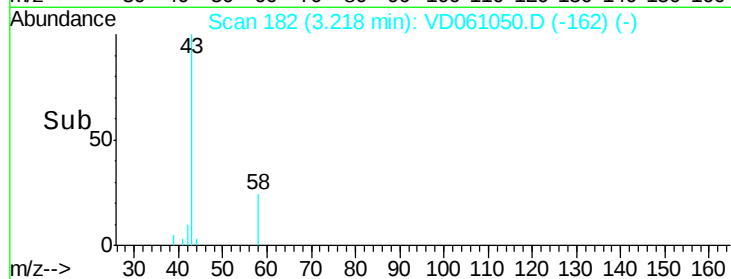
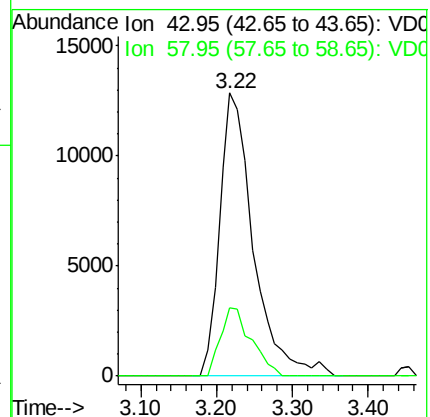
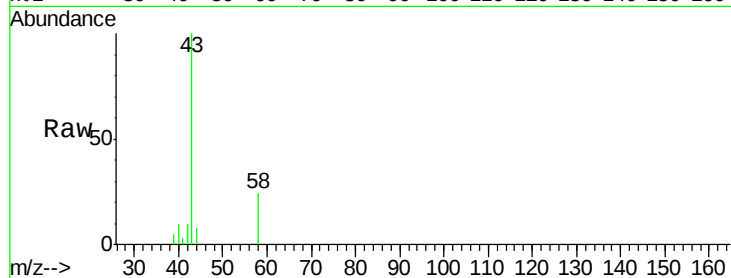
Acq: 13 Mar 2019 18:53

Tot Ion: 43 Resp: 39883

Ion Ratio Lower Upper

43 100

58 24.2 21.6 32.4



#20

Methylene Chloride

Concen: 2.070 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD061050.D

Acq: 13 Mar 2019 18:53

Tgt Ion: 84 Resp: 17021

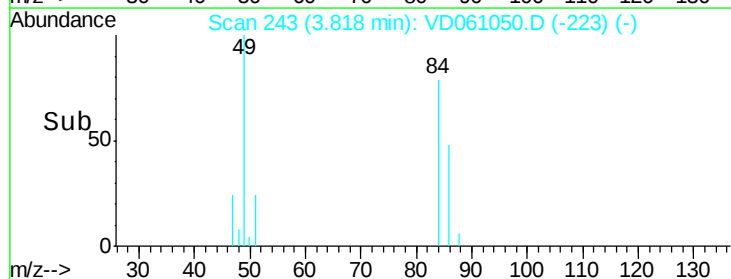
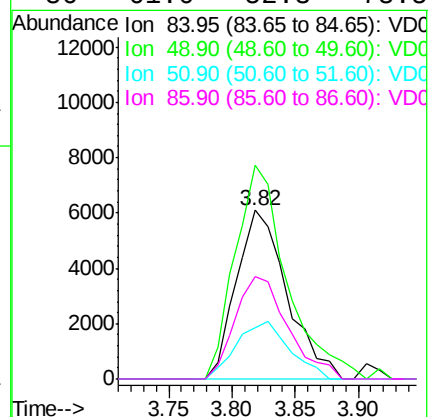
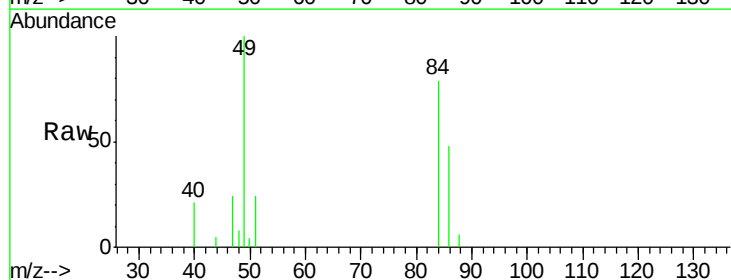
Ion Ratio Lower Upper

84 100

49 126.6 104.2 156.2

51 30.1 32.3 48.5#

86 61.0 52.3 78.5





#25

2-Butanone

Concen: 1.380 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061050.D

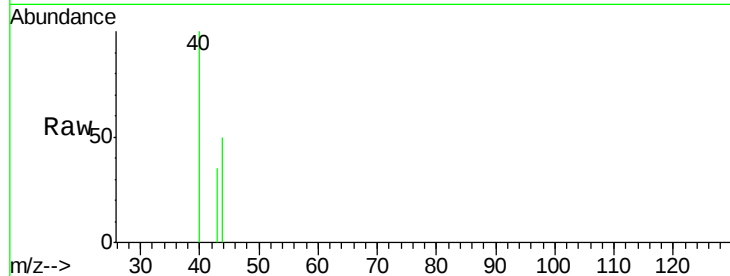
Acq: 13 Mar 2019 18:53

Tot Ion: 43 Resp: 894

Ion Ratio Lower Upper

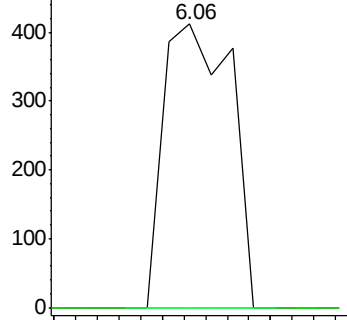
43 100

72 0.0 16.7 25.1#

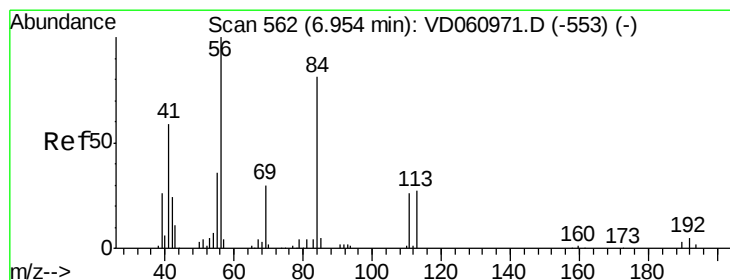
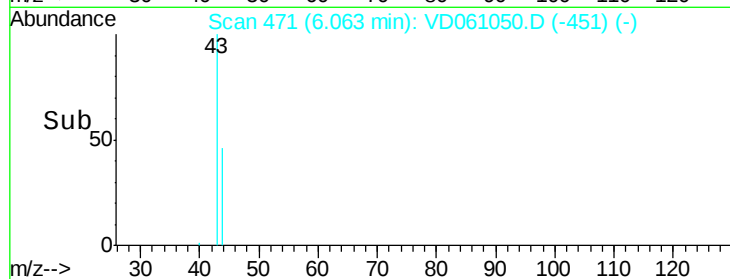


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 6.00 6.05 6.10



#31

Cyclohexane

Concen: 1.108 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061050.D

Acq: 13 Mar 2019 18:53

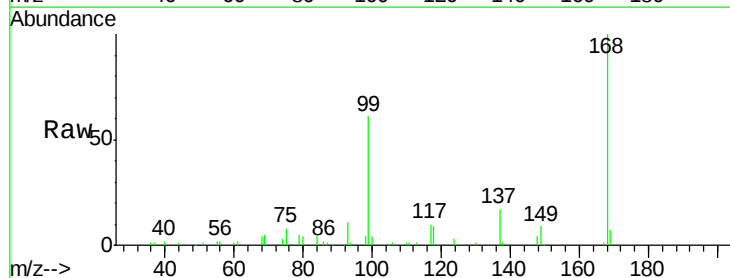
Tgt Ion: 56 Resp: 3915

Ion Ratio Lower Upper

56 100

69 262.3 24.0 36.0#

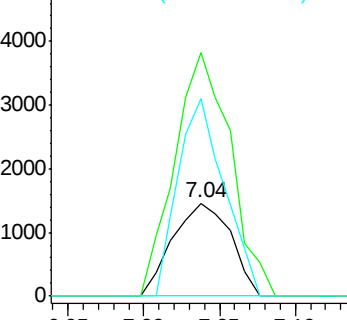
84 212.2 65.8 98.6#



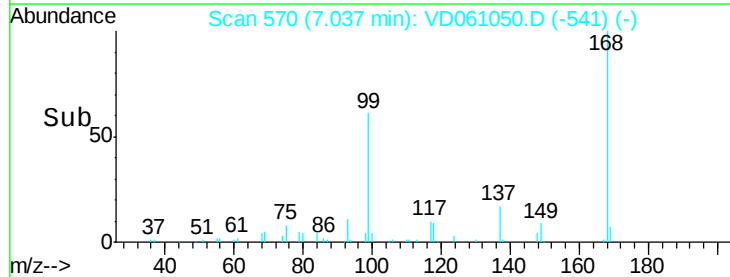
Abundance Ion 55.95 (55.65 to 56.65): VDC

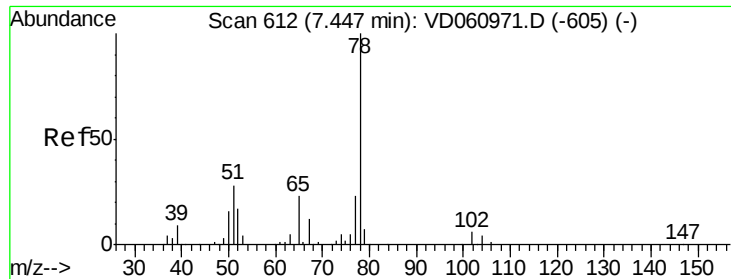
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



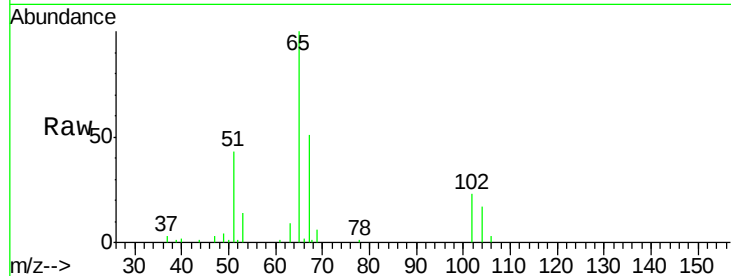
Time--> 6.95 7.00 7.05 7.10



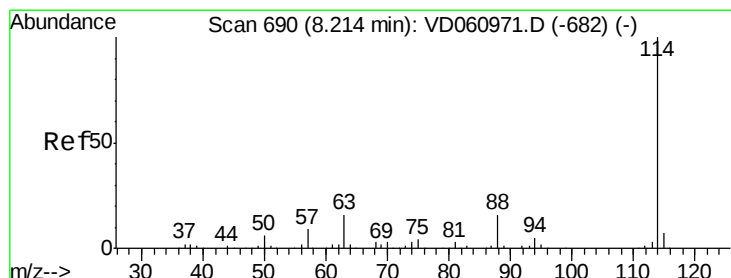
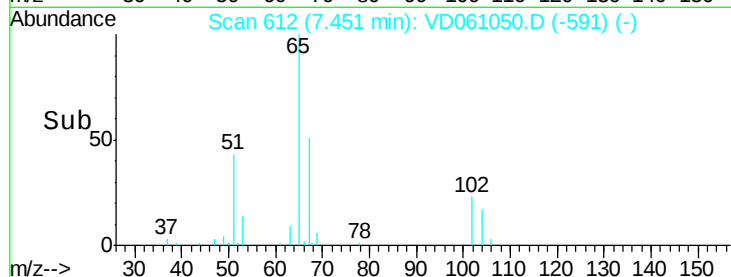
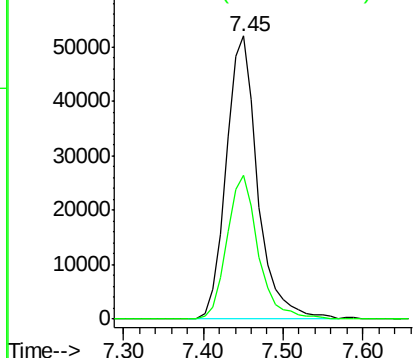


#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061050.D
 Acq: 13 Mar 2019 18:53

Tot Ion: 65 Resp: 143588
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 105.2

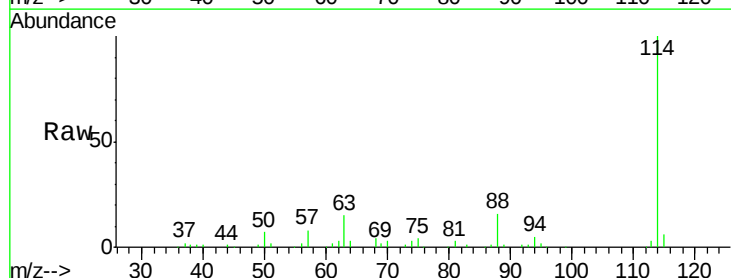


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

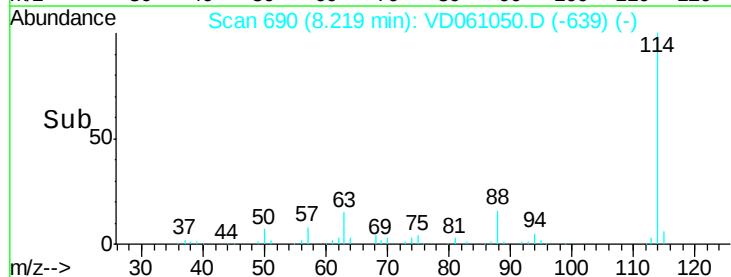
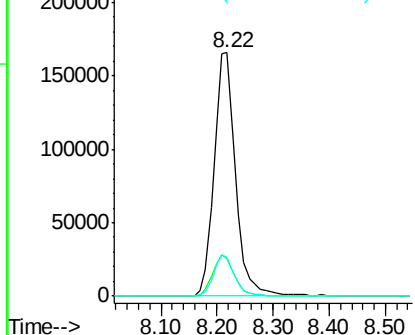


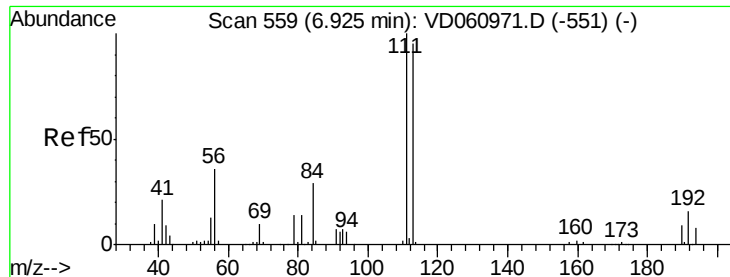
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061050.D
 Acq: 13 Mar 2019 18:53

Tgt Ion: 114 Resp: 444492
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.4
 88 15.7 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): VDC
 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: VD061050.D

Acq: 13 Mar 2019 18:53

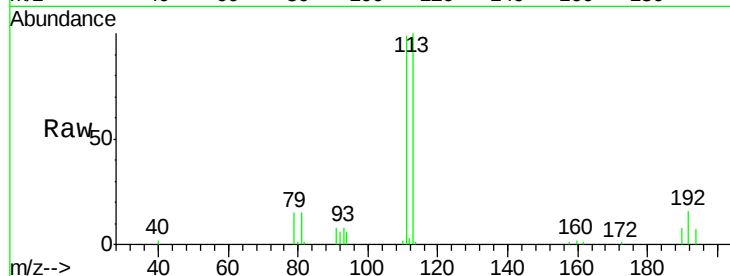
Tot Ion:113 Resp: 187628

Ion Ratio Lower Upper

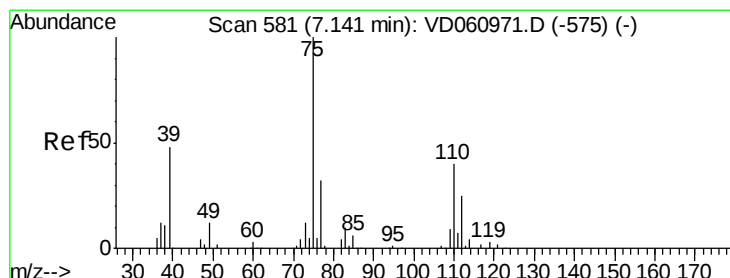
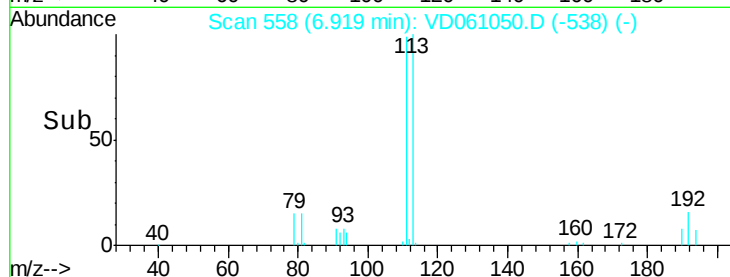
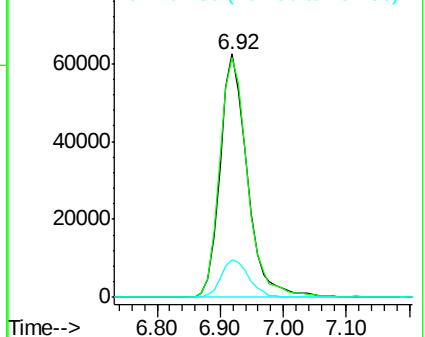
113 100

111 98.7 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: 4.429 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061050.D

Acq: 13 Mar 2019 18:53

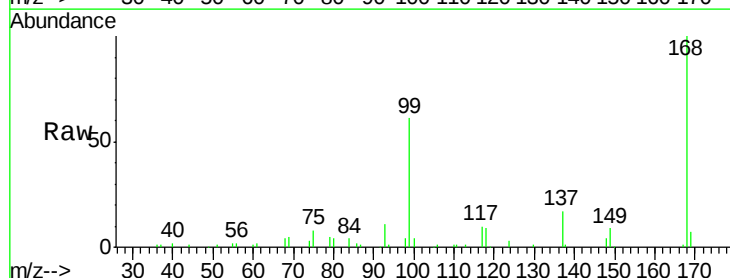
Tgt Ion: 75 Resp: 16968

Ion Ratio Lower Upper

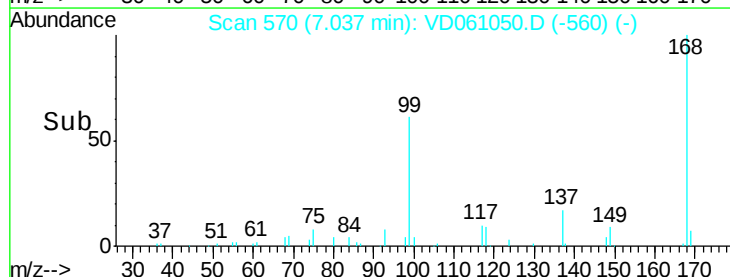
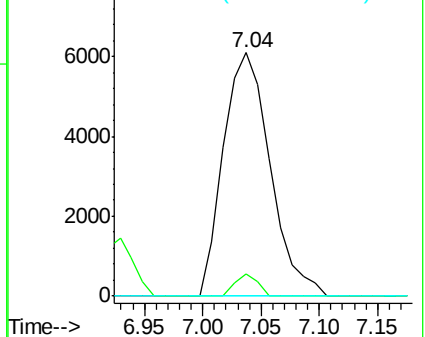
75 100

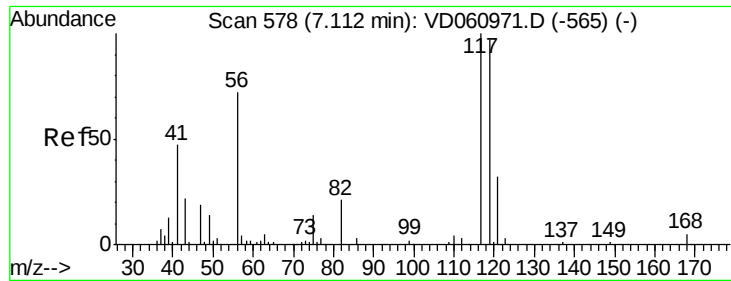
110 9.2 19.7 59.1#

77 0.0 24.7 37.1#



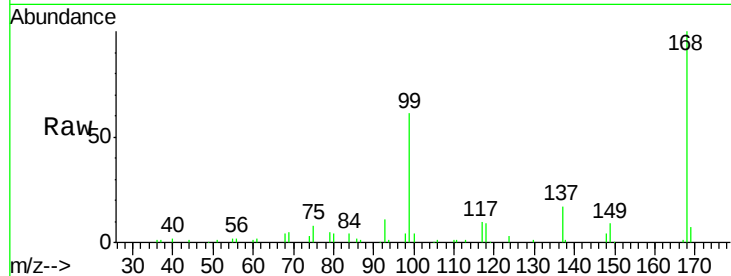
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC



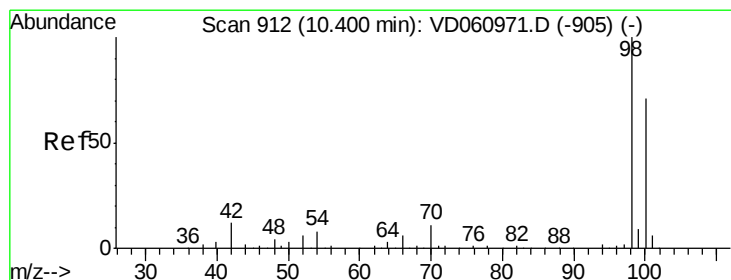
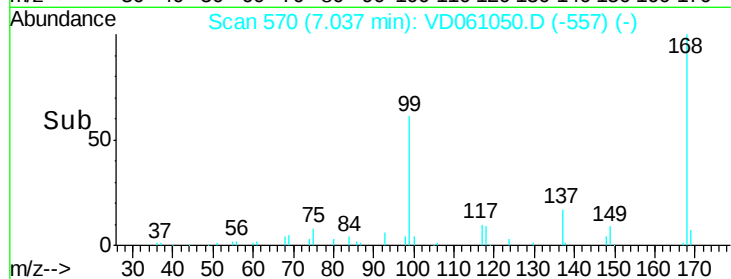
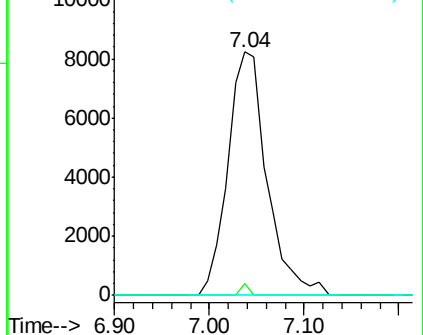


#38
Carbon Tetrachloride
Concen: 5.592 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061050.D
Acq: 13 Mar 2019 18:53

Tot Ion:117 Resp: 23601
Ion Ratio Lower Upper
117 100
119 4.7 77.8 116.8#
121 0.0 25.3 37.9#

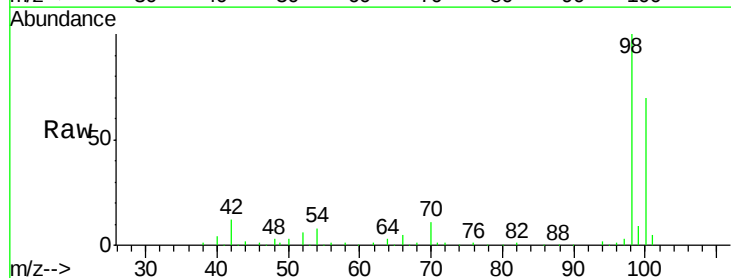


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

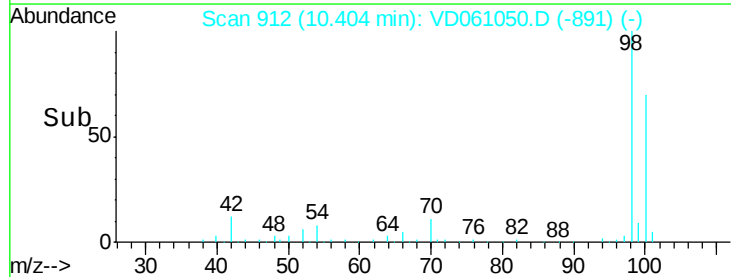
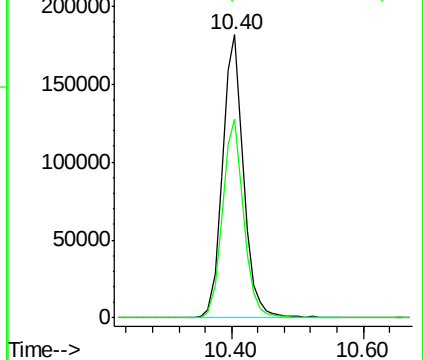


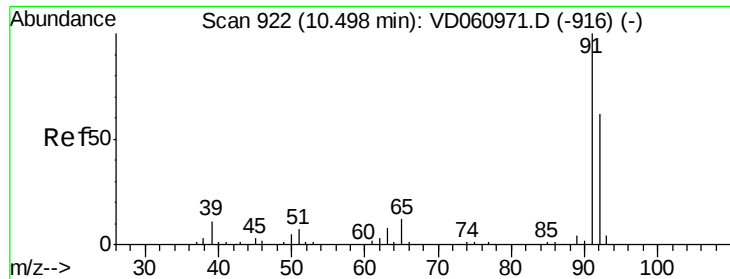
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061050.D
Acq: 13 Mar 2019 18:53

Tgt Ion: 98 Resp: 405209
Ion Ratio Lower Upper
98 100
100 70.4 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: 1.742 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061050.D

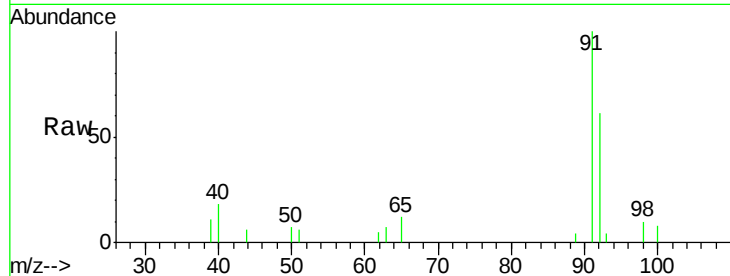
Acq: 13 Mar 2019 18:53

Tot Ion: 92 Resp: 10371

Ion Ratio Lower Upper

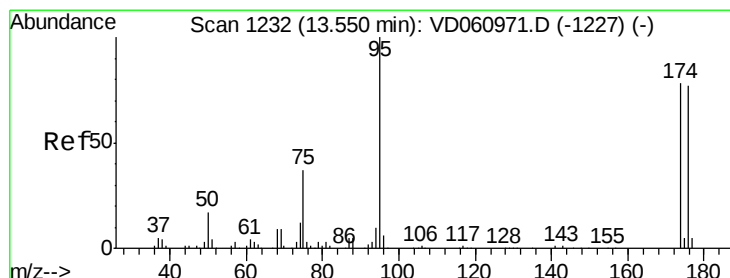
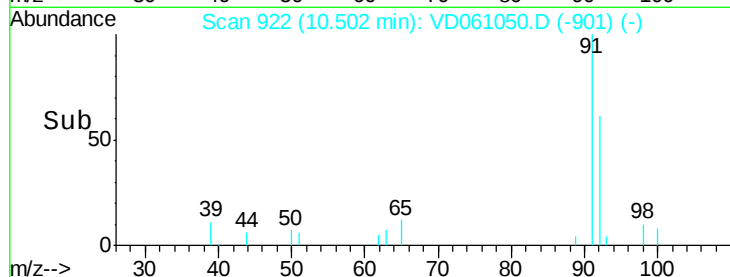
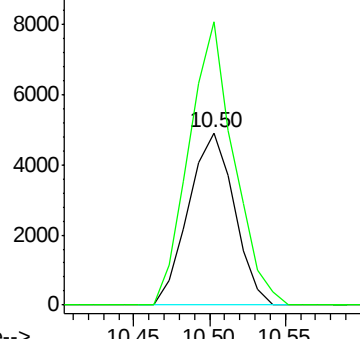
92 100

91 164.1 129.8 194.8



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: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061050.D

Acq: 13 Mar 2019 18:53

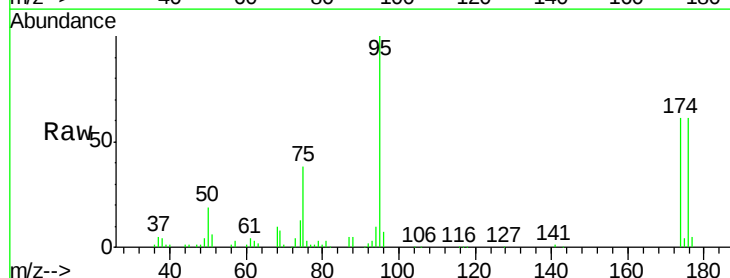
Tgt Ion: 95 Resp: 174059

Ion Ratio Lower Upper

95 100

174 60.6 0.0 155.6

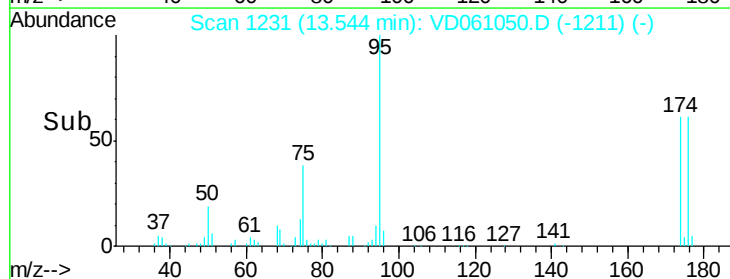
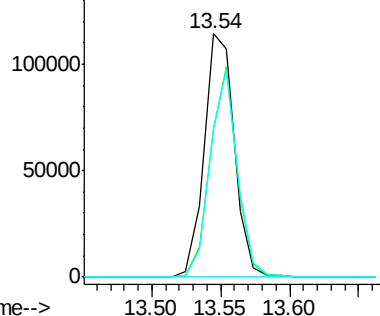
176 61.3 0.0 153.8

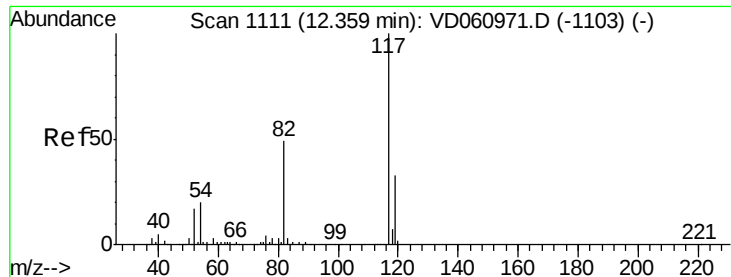


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

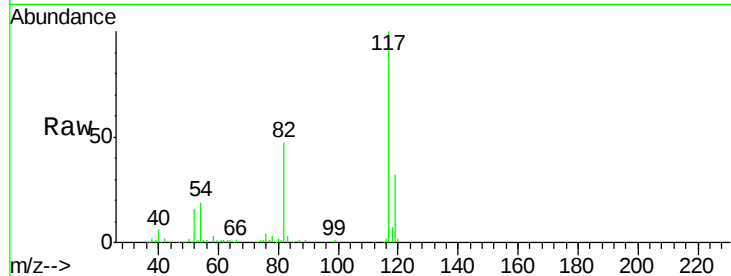
Ion 175.90 (175.60 to 176.60): V



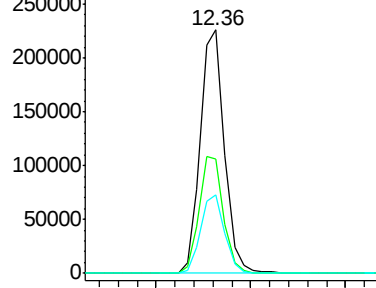


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061050.D
Acq: 13 Mar 2019 18:53

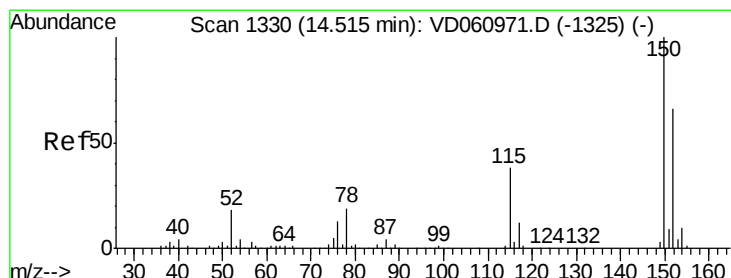
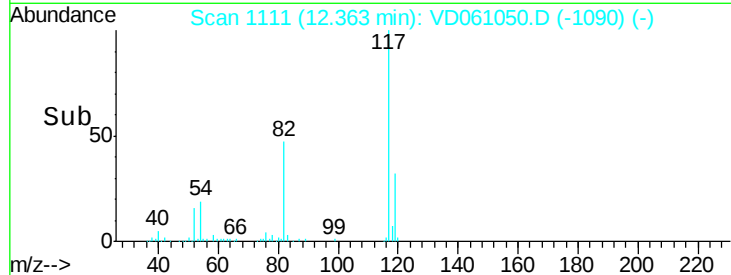
Tot Ion:117 Resp: 397378
Ion Ratio Lower Upper
117 100
82 47.1 38.9 58.3
119 32.3 26.6 39.8



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

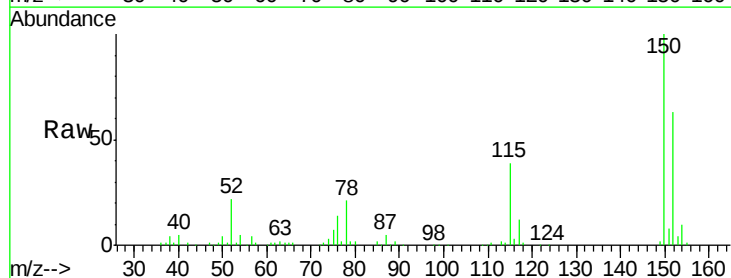


Time-->

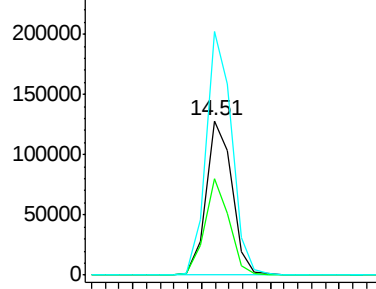


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061050.D
Acq: 13 Mar 2019 18:53

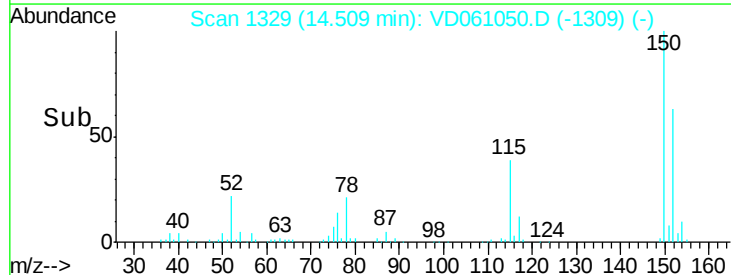
Tgt Ion:152 Resp: 168233
Ion Ratio Lower Upper
152 100
115 62.1 28.6 85.9
150 157.7 0.0 310.6

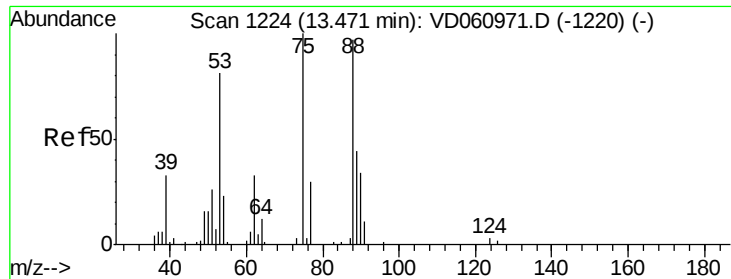


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



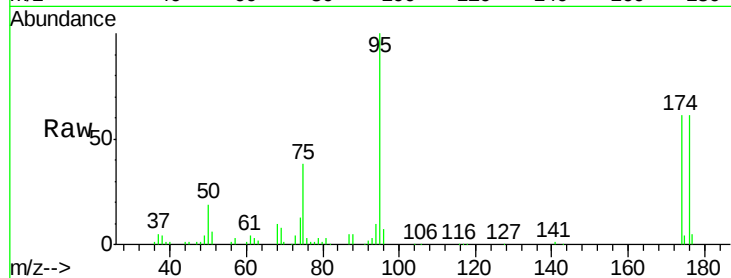
Time-->





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.412 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD061050.D
 Acq: 13 Mar 2019 18:53

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

