

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061135.D
 Acq On : 17 Mar 2019 4:56
 Operator : VA/AP
 Sample : K1691-17
 Misc : 5.44g/5ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

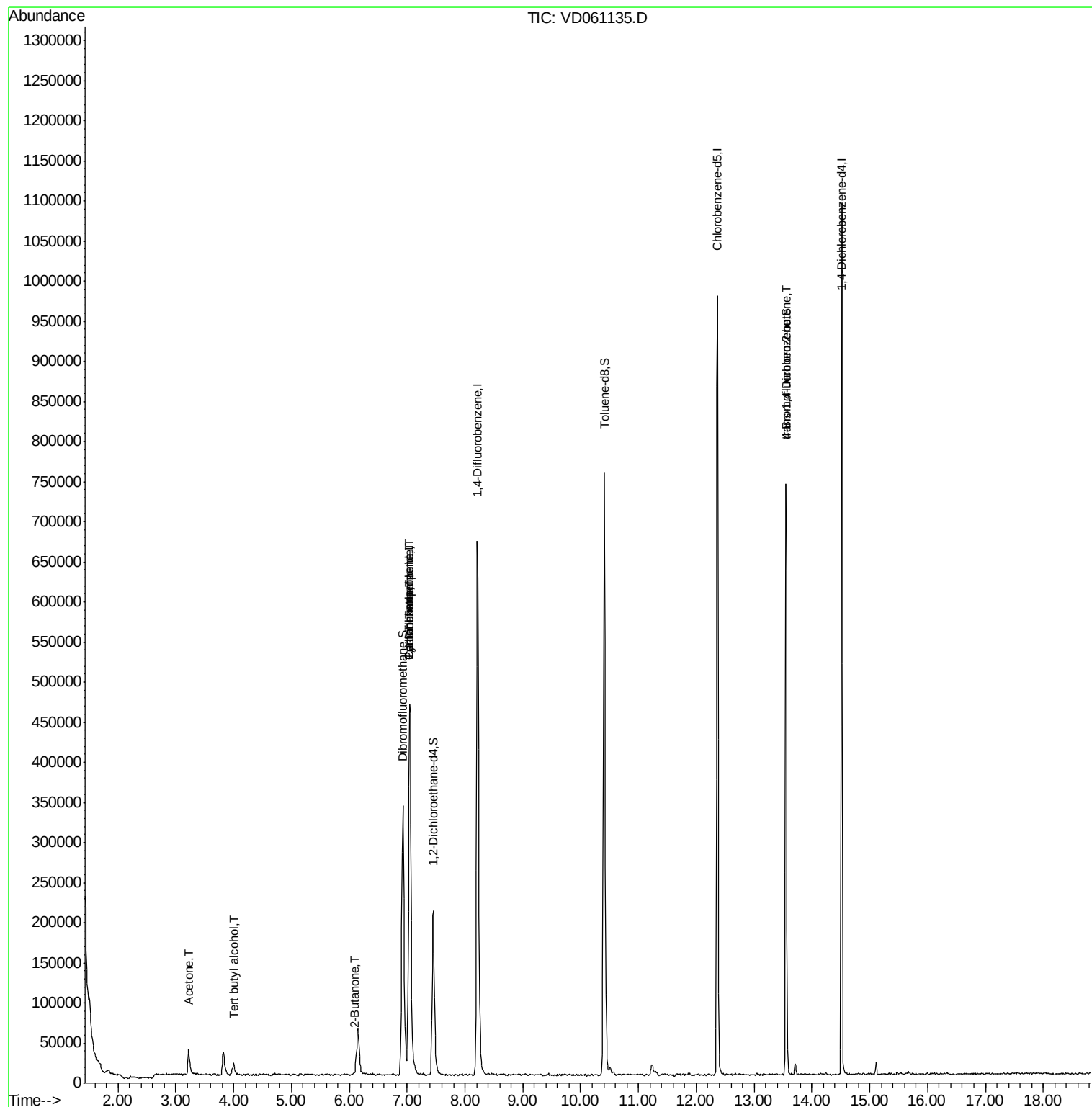
Quant Time: Mar 18 05:02:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

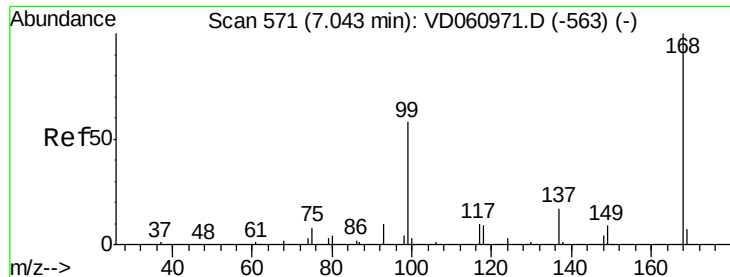
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	488459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	843248	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	626585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	229314	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	212269	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.42%	
35) Dibromofluoromethane	6.92	113	333875	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.70%	
50) Toluene-d8	10.41	98	667872	42.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.00%	
62) 4-Bromofluorobenzene	13.55	95	247907	40.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.32%	
Target Compounds						
5) Bromomethane	2.22	94	251	Below Cal	#	8
11) Tert butyl alcohol	4.00	59	12151	46.944	ug/l #	75
16) Acetone	3.22	43	56523	48.615	ug/l	99
20) Methylene Chloride	3.82	84	19820	Below Cal		93
25) 2-Butanone	6.08	43	1941	1.471	ug/l #	55
31) Cyclohexane	7.04	56	8109	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	37313	5.133	ug/l #	47
38) Carbon Tetrachloride	7.04	117	46265	5.778	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	90868	93.424	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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061135.D

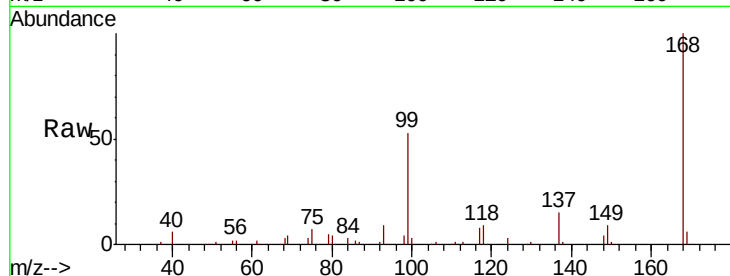
Acq: 17 Mar 2019 4:56

Tgt Ion: 168 Resp: 488459

Ion Ratio Lower Upper

168 100

99 52.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

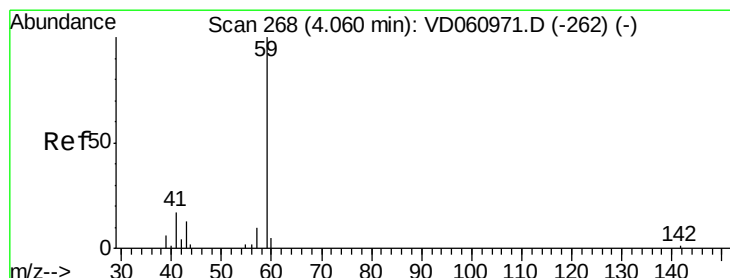
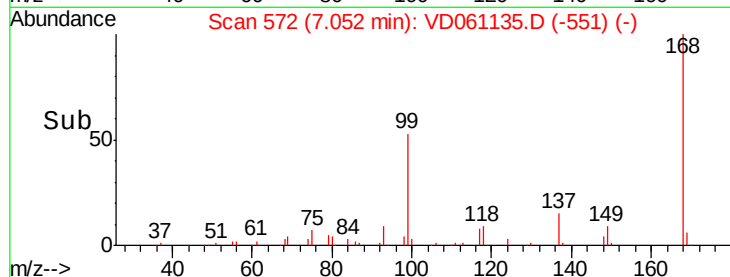
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 46.944 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.06 min

Lab File: VD061135.D

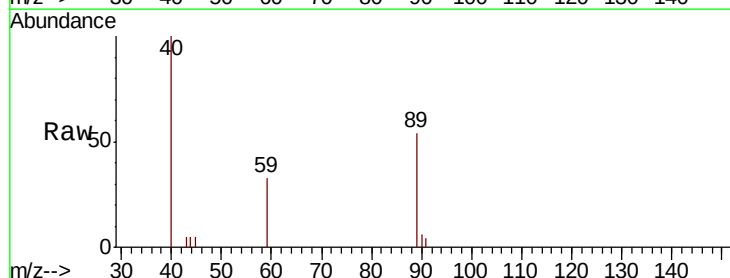
Acq: 17 Mar 2019 4:56

Tgt Ion: 59 Resp: 12151

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

4.00

4000

3000

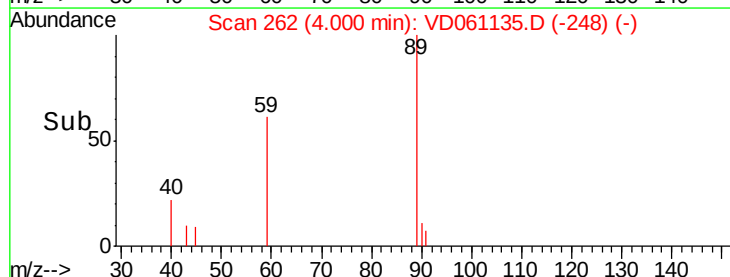
2000

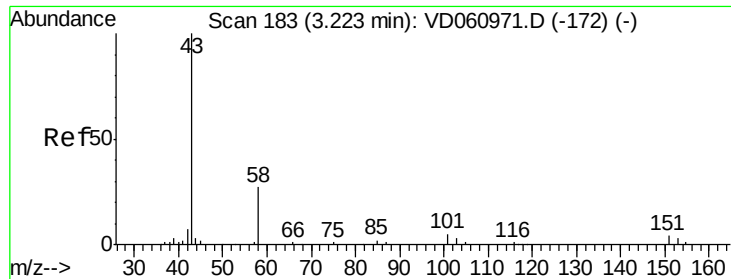
1000

0

Time-->

3.90 4.00 4.10





#16

Acetone

Concen: 48.615 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061135.D

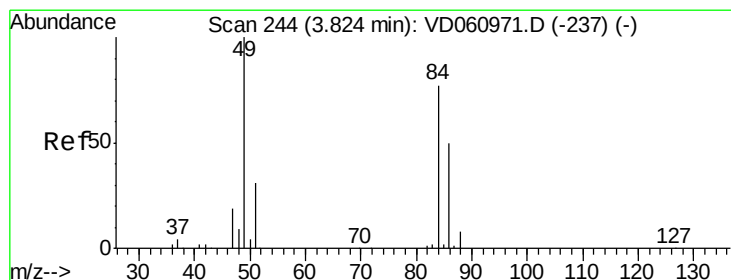
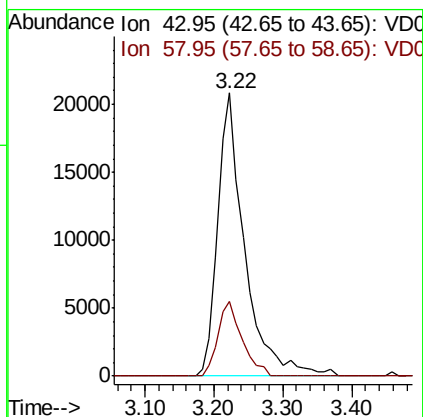
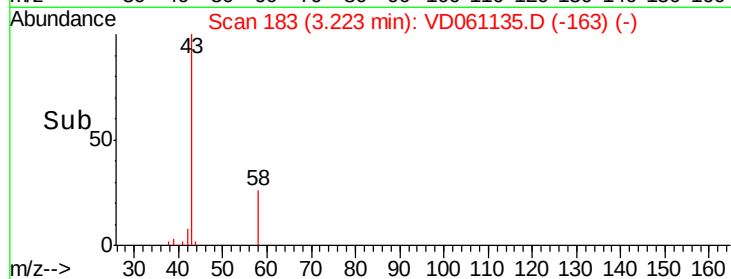
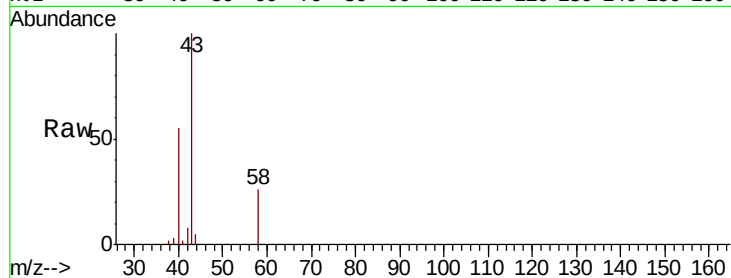
Acq: 17 Mar 2019 4:56

Tgt Ion: 43 Resp: 56523

Ion Ratio Lower Upper

43 100

58 26.4 21.6 32.4



#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061135.D

Acq: 17 Mar 2019 4:56

Tgt Ion: 84 Resp: 19820

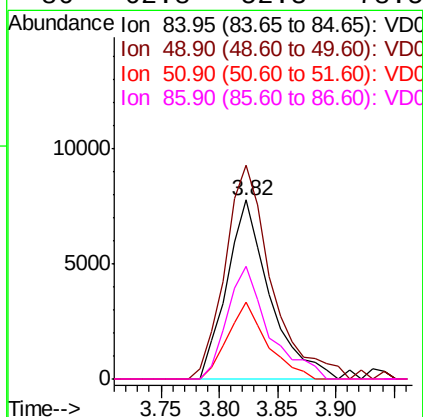
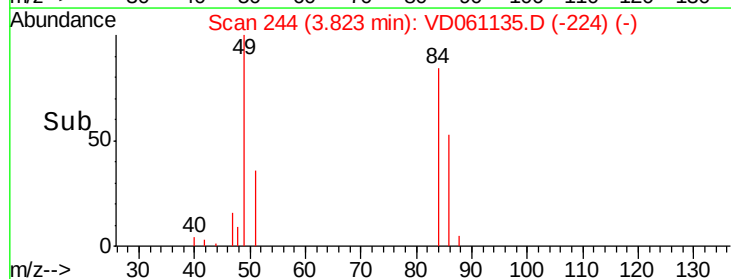
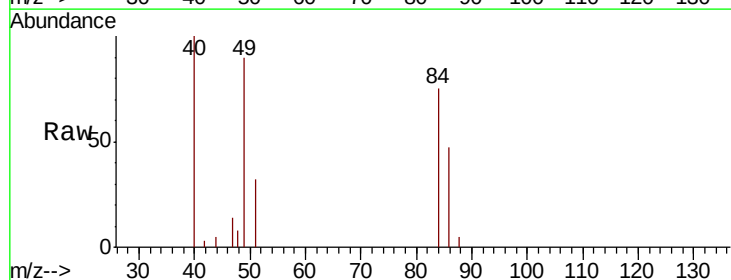
Ion Ratio Lower Upper

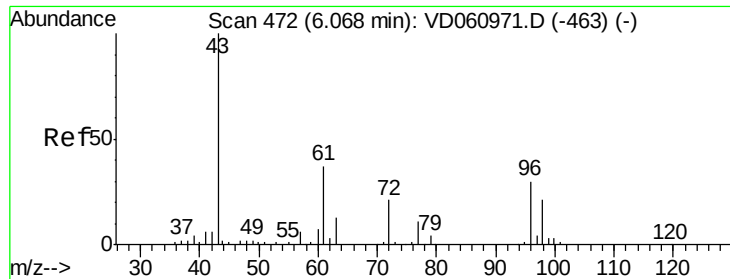
84 100

49 119.5 104.2 156.2

51 43.0 32.3 48.5

86 62.8 52.3 78.5





#25

2-Butanone

Concen: 1.471 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061135.D

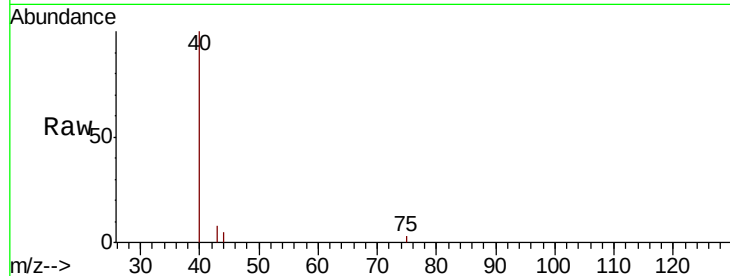
Acq: 17 Mar 2019 4:56

Tgt Ion: 43 Resp: 1941

Ion Ratio Lower Upper

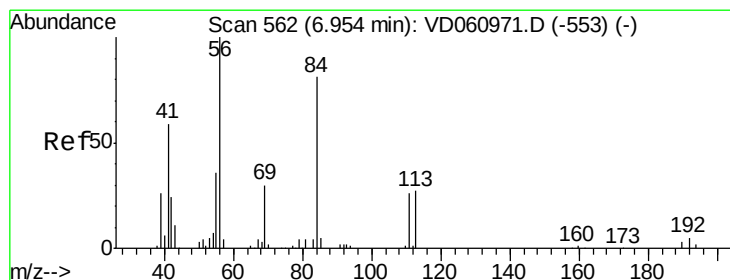
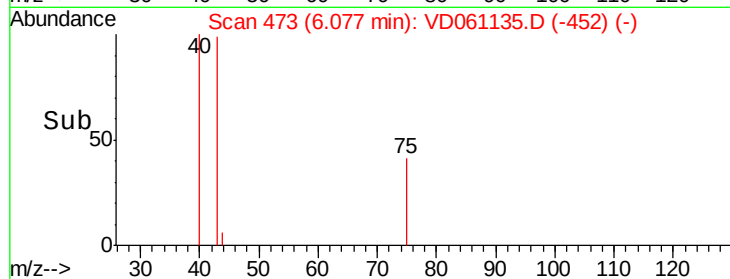
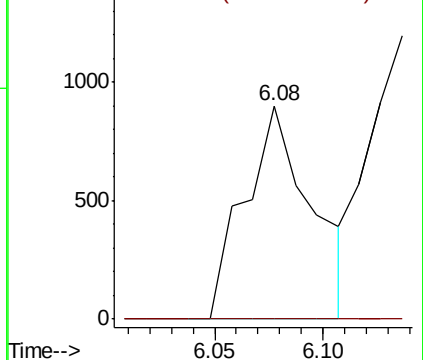
43 100

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



#31

Cyclohexane

Concen: 1.127 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061135.D

Acq: 17 Mar 2019 4:56

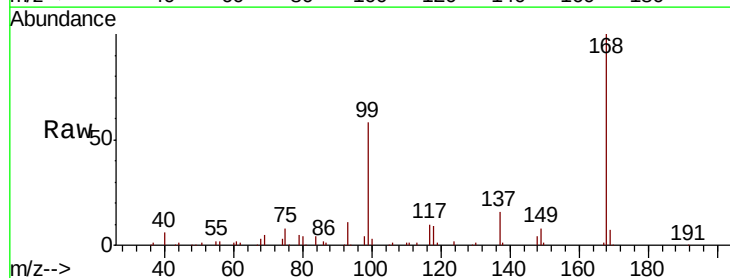
Tgt Ion: 56 Resp: 8109

Ion Ratio Lower Upper

56 100

69 262.2 24.0 36.0#

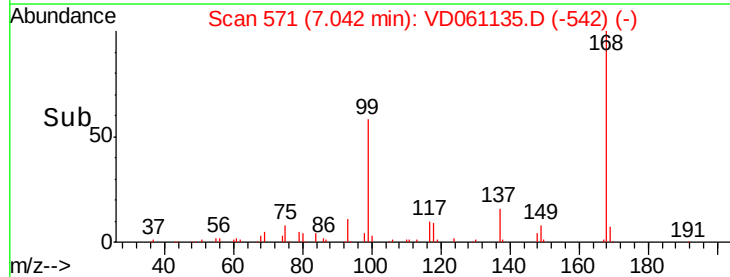
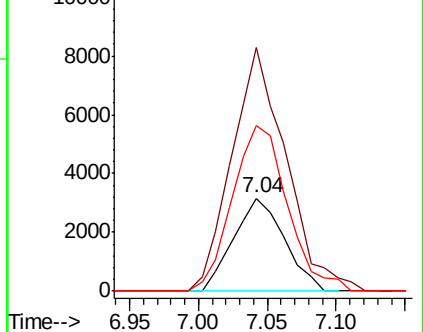
84 177.6 65.8 98.6#

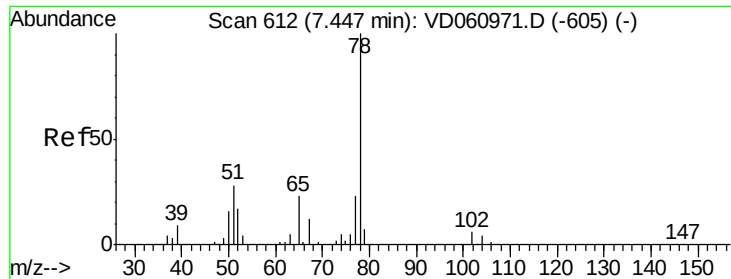


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

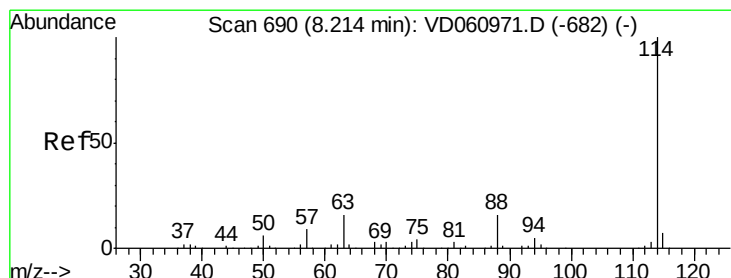
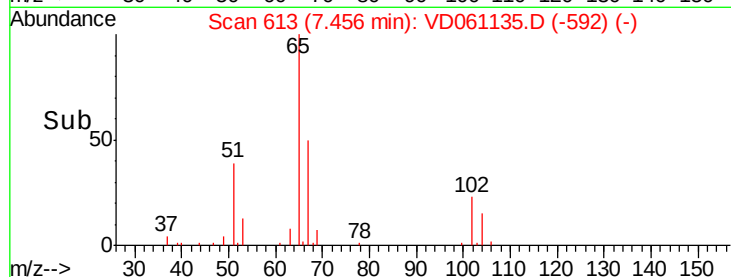
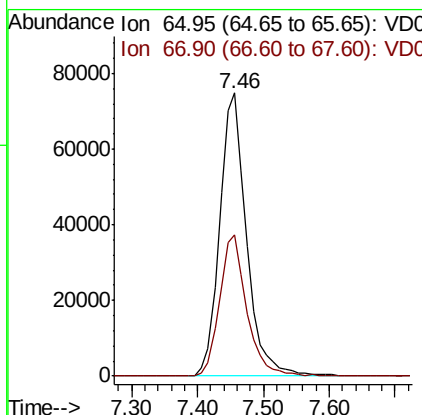
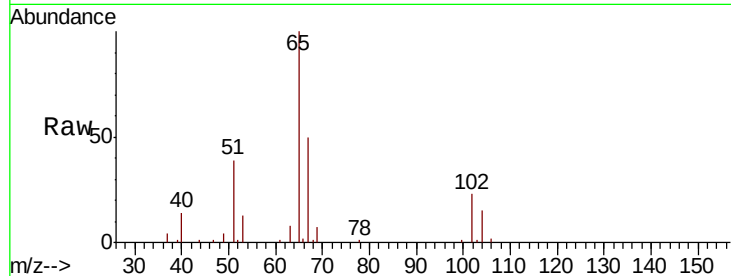
Ion 84.05 (83.75 to 84.75): VDC





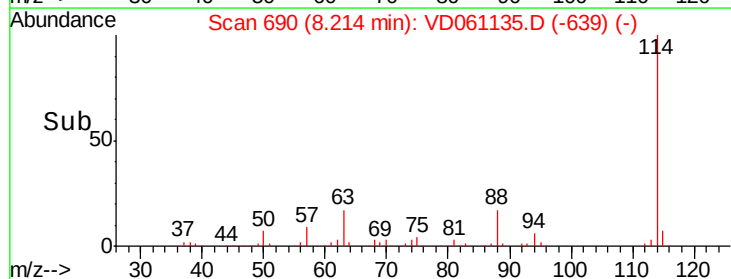
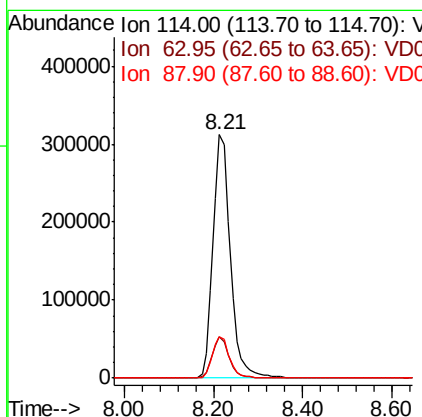
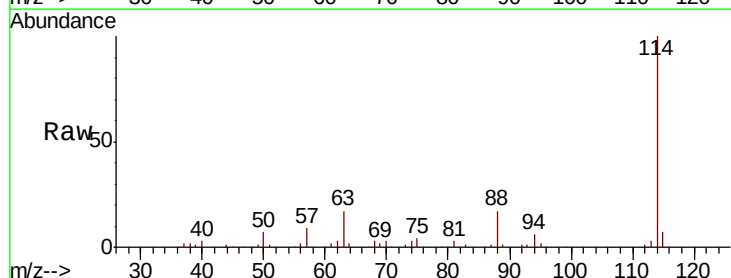
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061135.D
 Acq: 17 Mar 2019 4:56

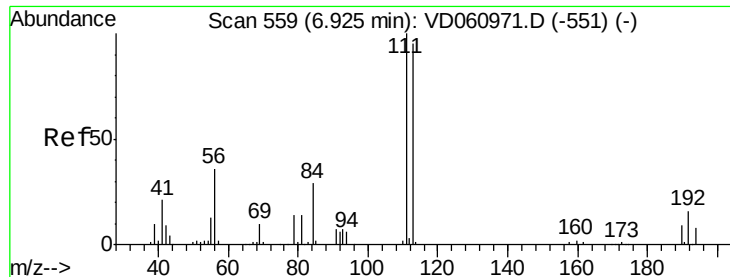
Tgt Ion: 65 Resp: 212269
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061135.D
 Acq: 17 Mar 2019 4:56

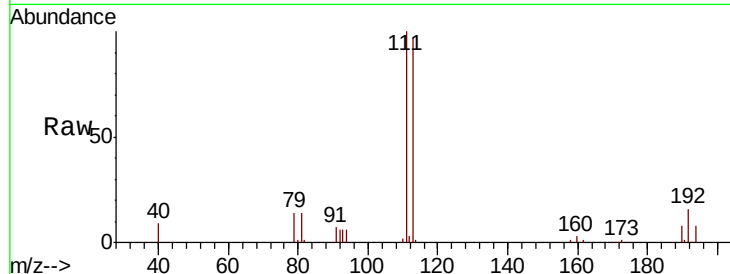
Tgt Ion: 114 Resp: 843248
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.4
 88 16.9 0.0 33.0



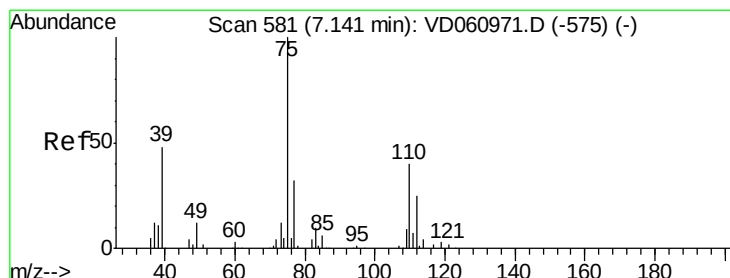
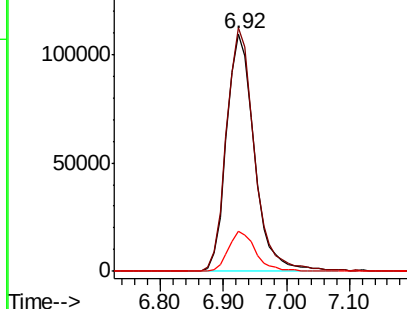
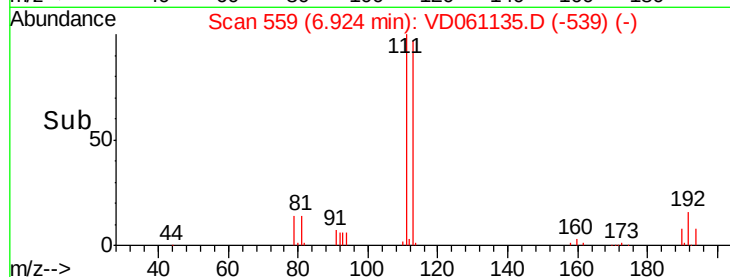


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061135.D
 Acq: 17 Mar 2019 4:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.2	126.4
192	16.8	13.1	19.7

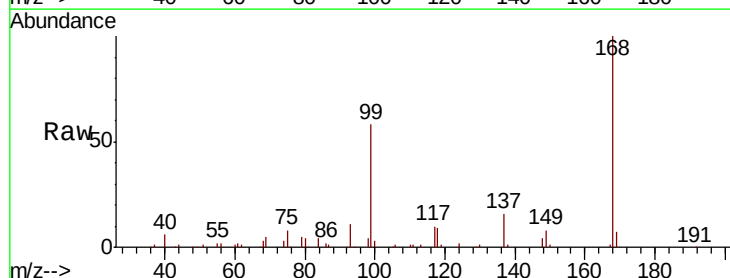


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

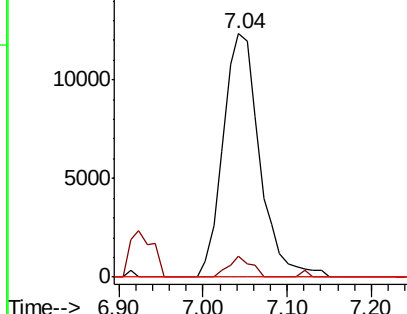
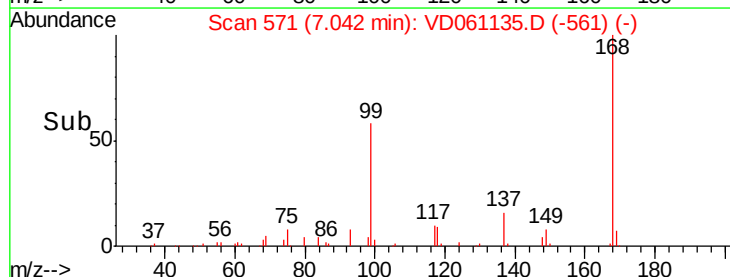


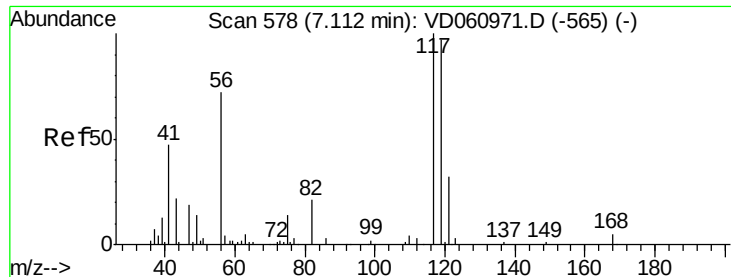
#36
 1,1-Dichloropropene
 Concen: 5.133 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061135.D
 Acq: 17 Mar 2019 4:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.7	59.1#
77	0.0	24.7	37.1#



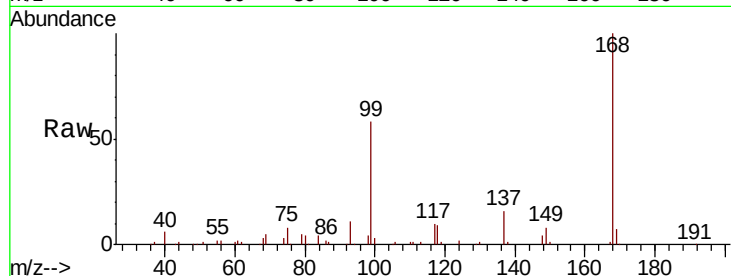
Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V



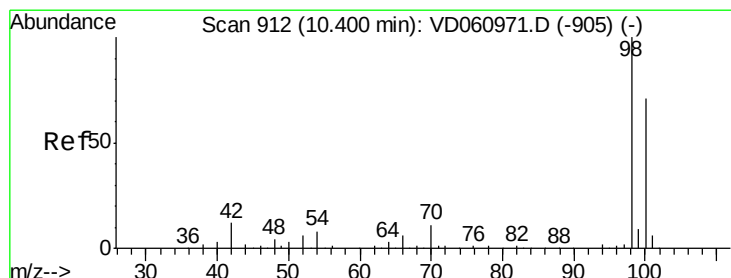
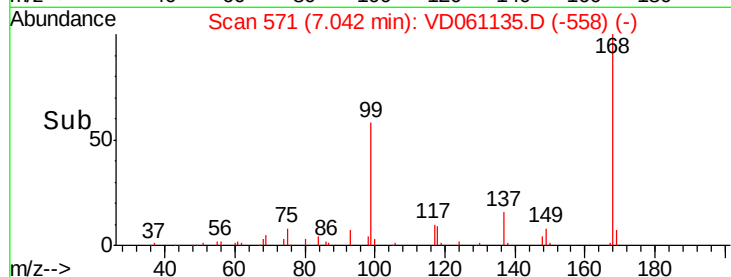
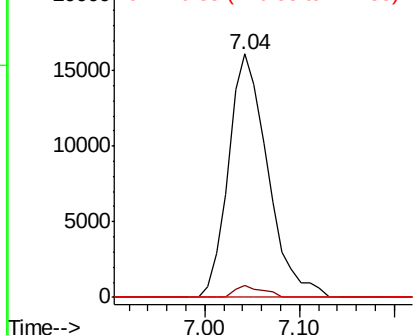


#38
Carbon Tetrachloride
Concen: 5.778 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061135.D
Acq: 17 Mar 2019 4:56

Tgt Ion: 117 Resp: 46265
Ion Ratio Lower Upper
117 100
119 5.0 77.8 116.8#
121 0.0 25.3 37.9#

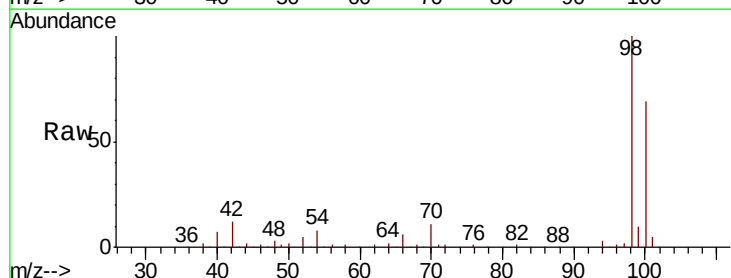


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

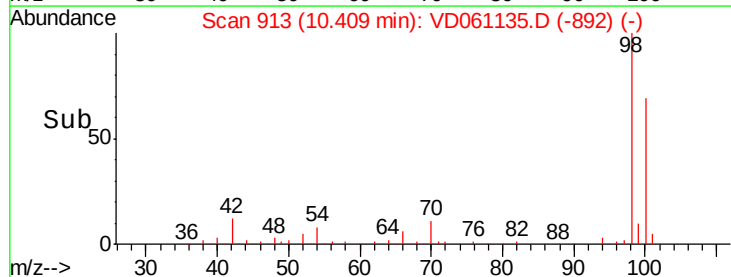
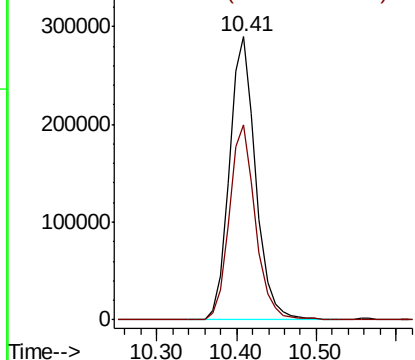


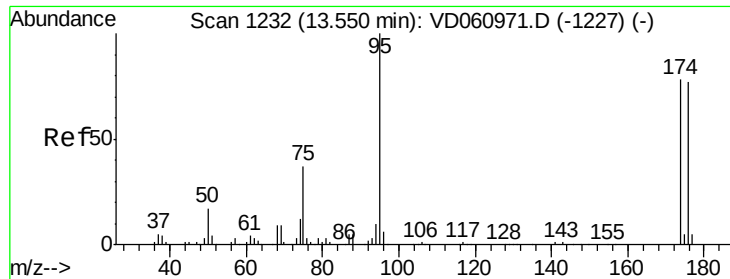
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061135.D
Acq: 17 Mar 2019 4:56

Tgt Ion: 98 Resp: 667872
Ion Ratio Lower Upper
98 100
100 68.8 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: VD061135.D

Acq: 17 Mar 2019 4:56

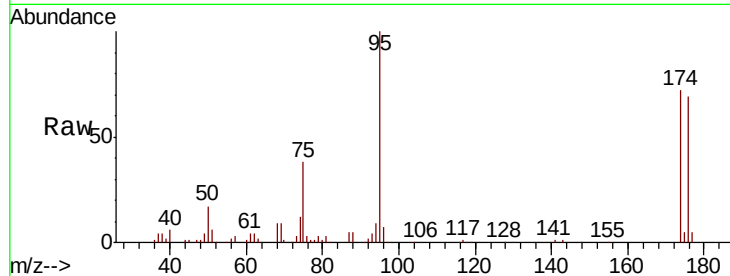
Tgt Ion: 95 Resp: 247907

Ion Ratio Lower Upper

95 100

174 72.1 0.0 155.6

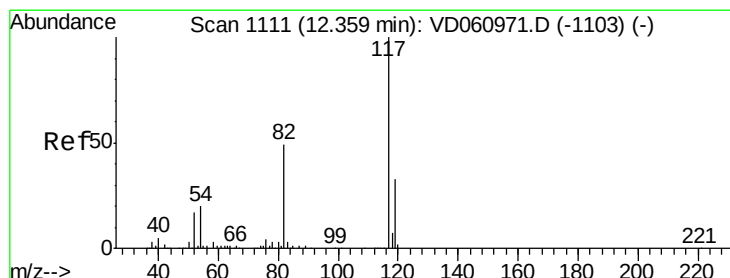
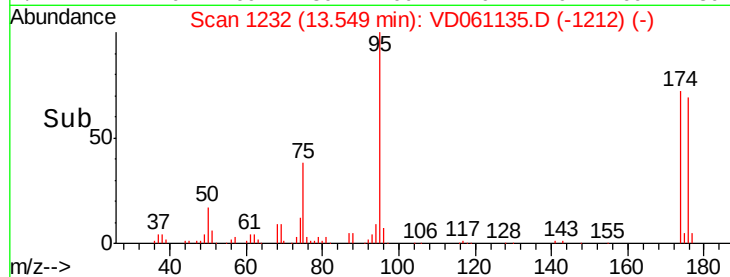
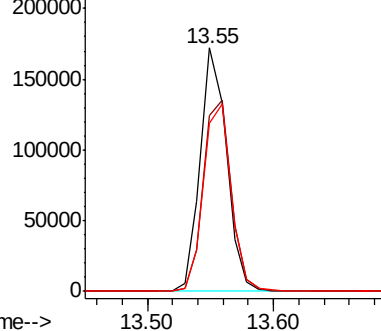
176 69.0 0.0 153.8



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: VD061135.D

Acq: 17 Mar 2019 4:56

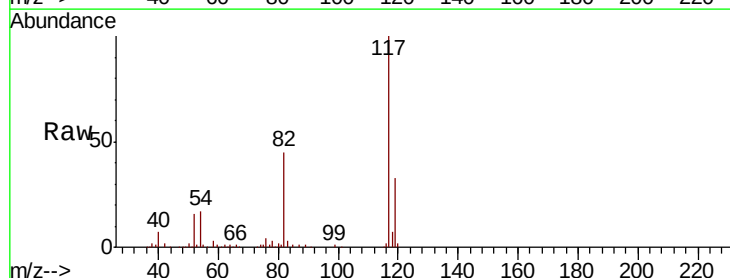
Tgt Ion: 117 Resp: 626585

Ion Ratio Lower Upper

117 100

82 45.0 38.9 58.3

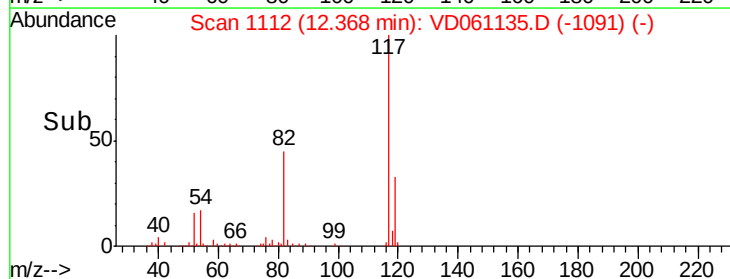
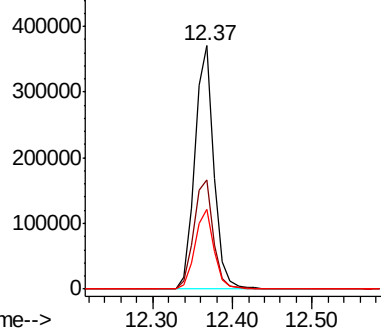
119 32.5 26.6 39.8

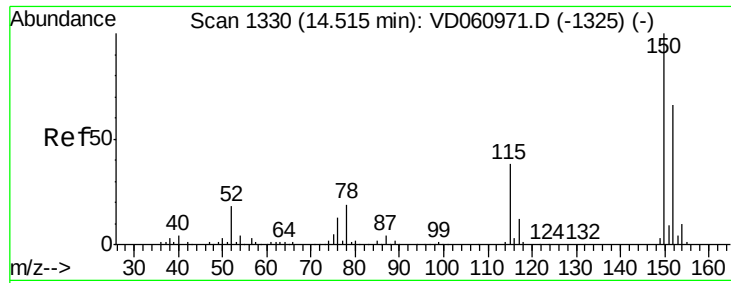


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

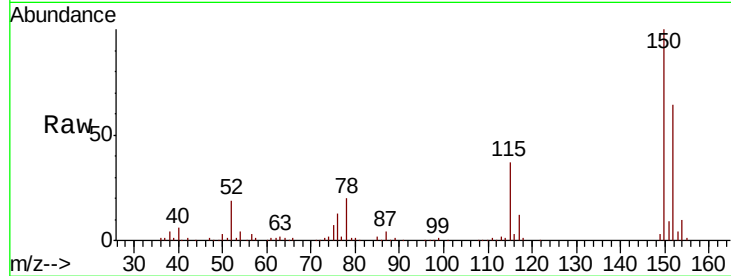




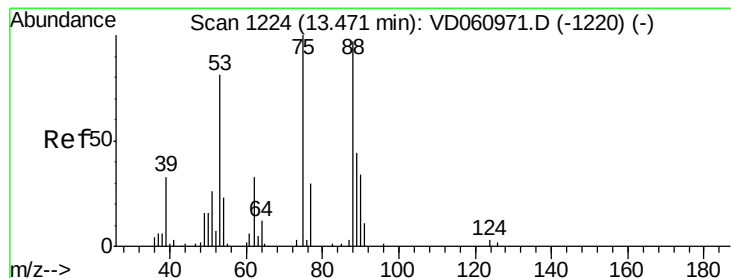
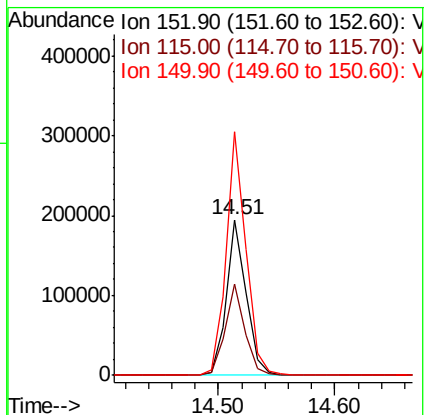
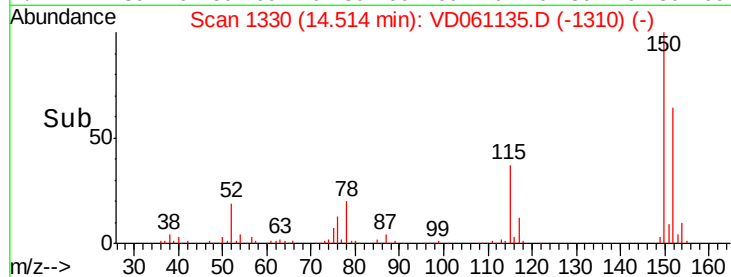
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061135.D
Acq: 17 Mar 2019 4:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.6	85.9
150	156.5	0.0	310.6



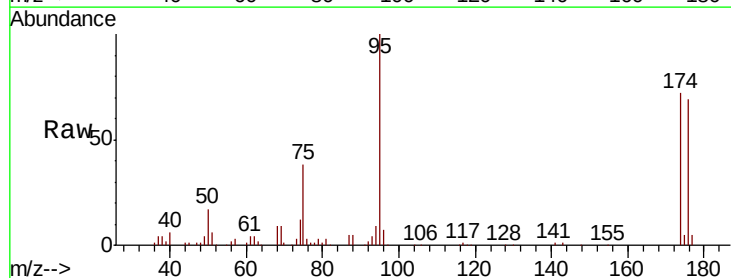
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 93.424 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061135.D
Acq: 17 Mar 2019 4:56

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

