

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061132.D
 Acq On : 17 Mar 2019 3:33
 Operator : VA/AP
 Sample : K1691-11
 Misc : 5.86g/5ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

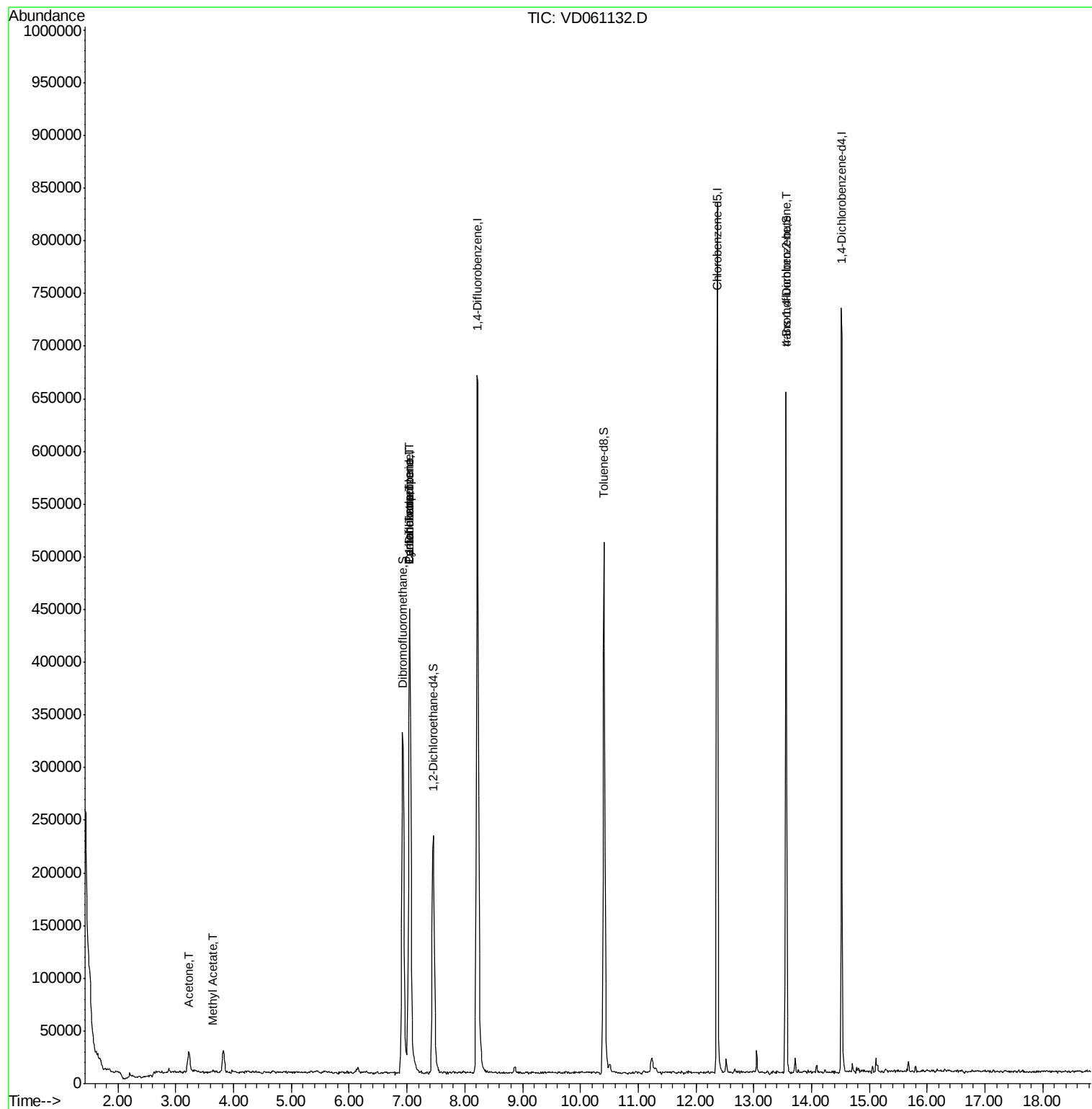
Quant Time: Mar 18 05:02:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

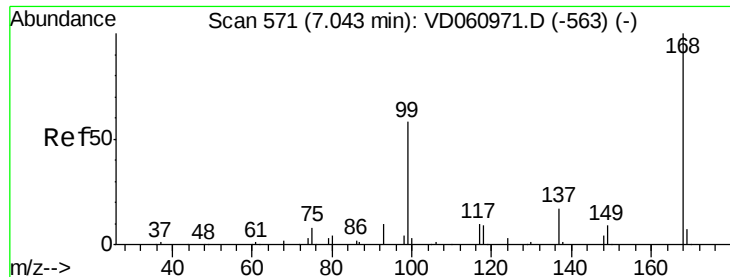
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	471077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	854986	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	517299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	184633	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	215795	55.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.06%	
35) Dibromofluoromethane	6.92	113	311450	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
50) Toluene-d8	10.41	98	438247	27.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.00%	
62) 4-Bromofluorobenzene	13.56	95	205681	33.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.54%	
Target Compounds						
16) Acetone	3.22	43	41768	37.250	ug/l	98
18) Methyl Acetate	3.65	43	2683	1.216	ug/l #	74
20) Methylene Chloride	3.82	84	15198	Below Cal		87
31) Cyclohexane	7.04	56	8112	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	35237	4.781	ug/l #	46
38) Carbon Tetrachloride	7.04	117	44432	5.473	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	74825	95.547	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: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061132.D

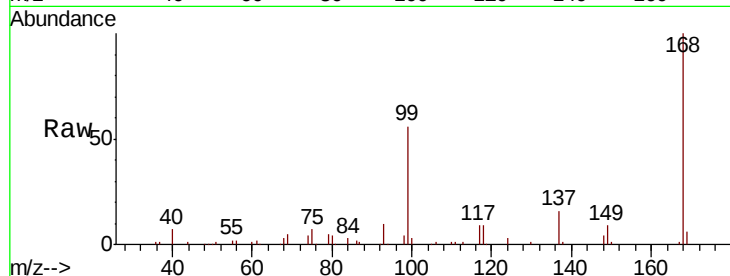
Acq: 17 Mar 2019 3:33

Tgt Ion: 168 Resp: 471077

Ion Ratio Lower Upper

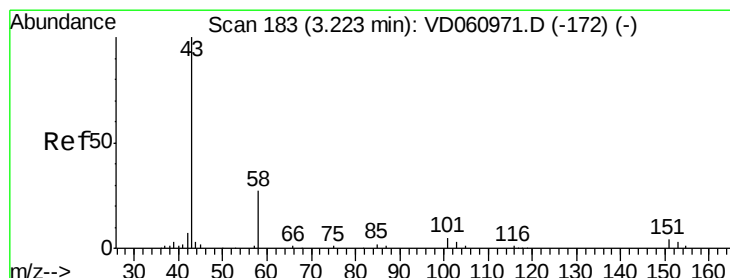
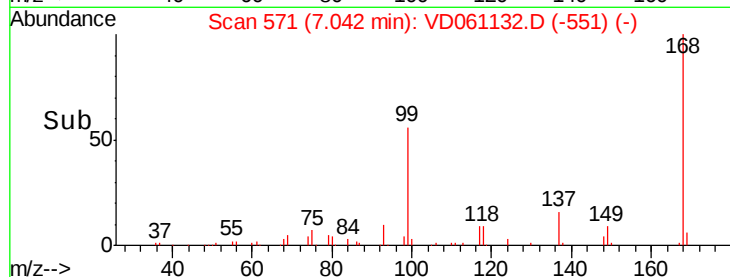
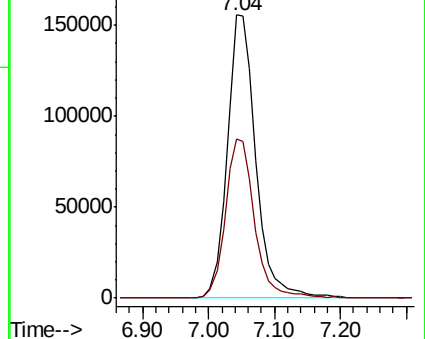
168 100

99 56.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 37.250 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061132.D

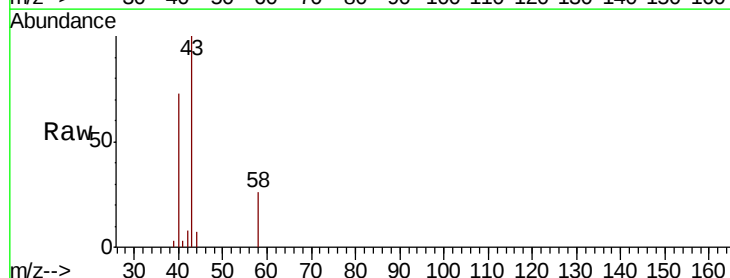
Acq: 17 Mar 2019 3:33

Tgt Ion: 43 Resp: 41768

Ion Ratio Lower Upper

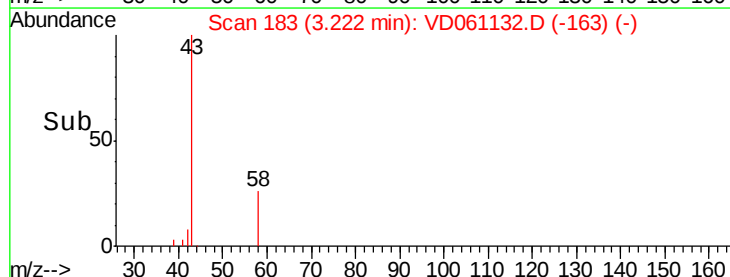
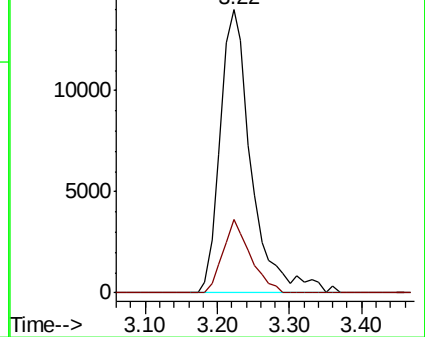
43 100

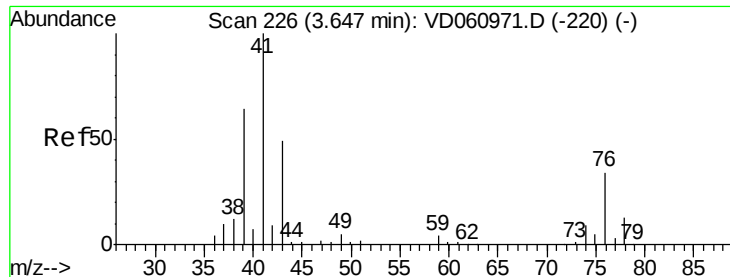
58 26.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

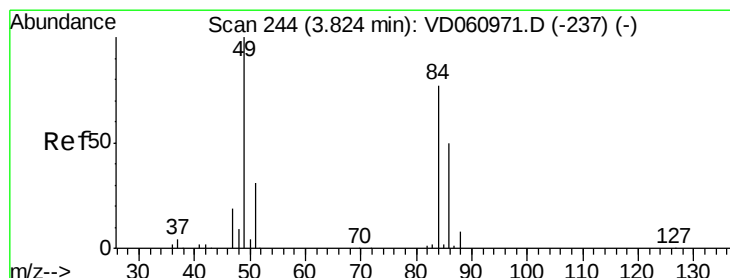
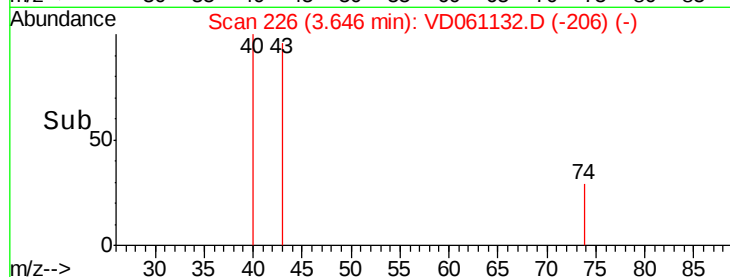
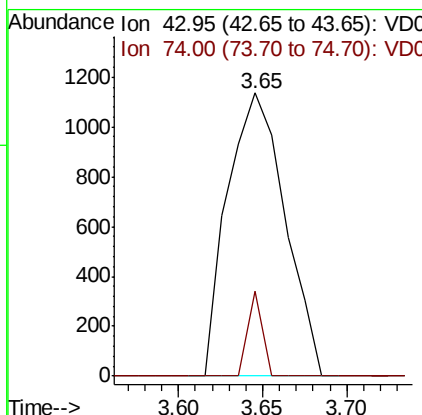
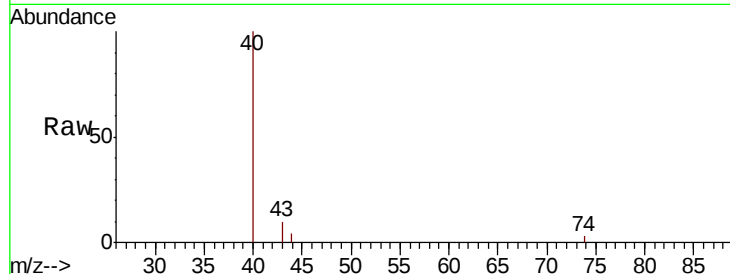
Ion 57.95 (57.65 to 58.65): VDC





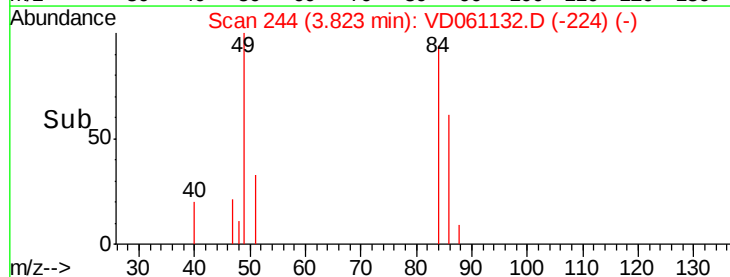
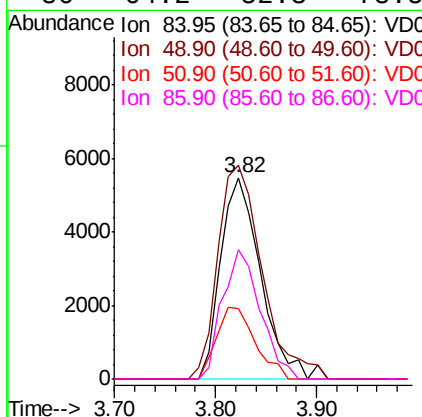
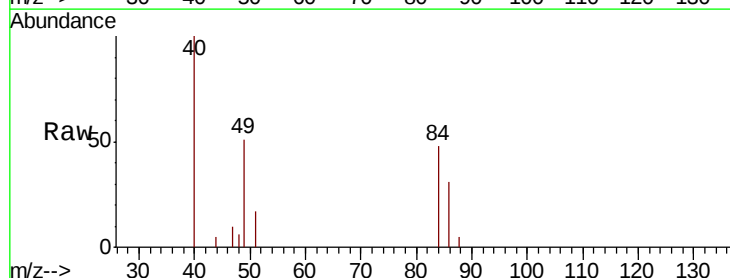
#18
Methyl Acetate
Concen: 1.216 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061132.D
Acq: 17 Mar 2019 3:33

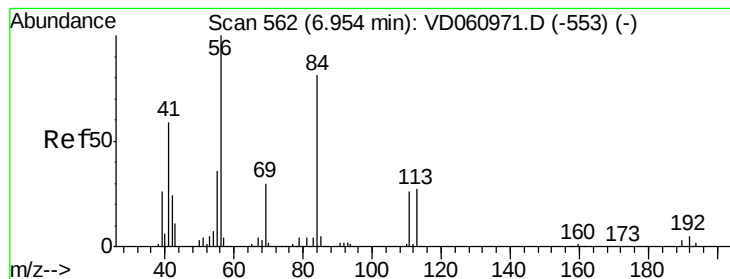
Tgt Ion: 43 Resp: 2683
Ion Ratio Lower Upper
43 100
74 29.9 14.6 21.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061132.D
Acq: 17 Mar 2019 3:33

Tgt Ion: 84 Resp: 15198
Ion Ratio Lower Upper
84 100
49 106.1 104.2 156.2
51 35.1 32.3 48.5
86 64.2 52.3 78.5





#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061132.D

Acq: 17 Mar 2019 3:33

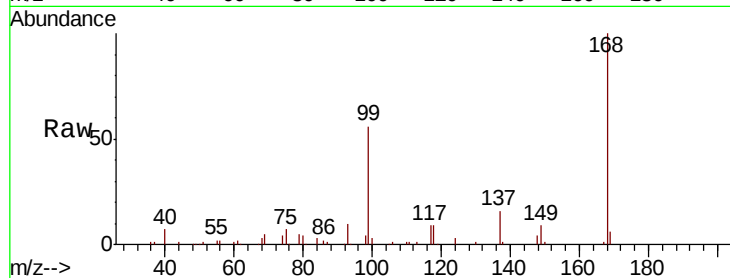
Tgt Ion: 56 Resp: 8112

Ion Ratio Lower Upper

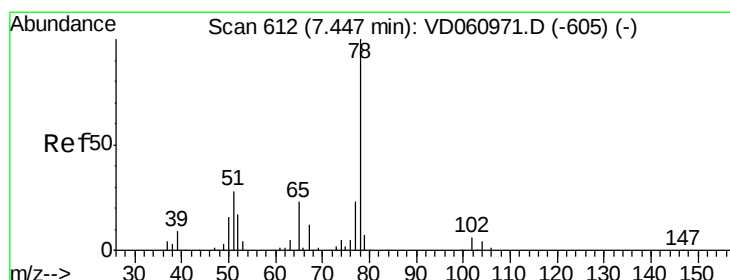
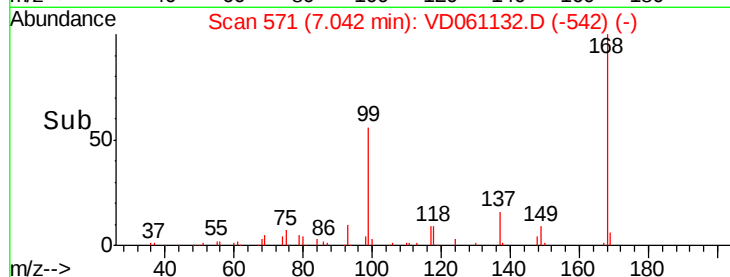
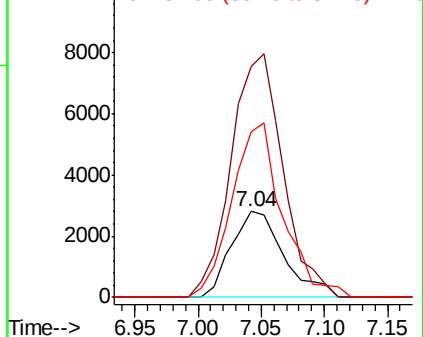
56 100

69 268.9 24.0 36.0#

84 193.2 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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061132.D

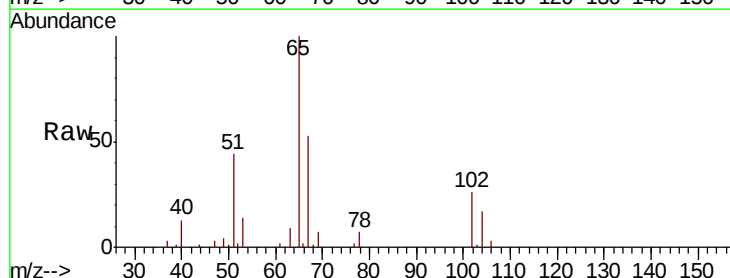
Acq: 17 Mar 2019 3:33

Tgt Ion: 65 Resp: 215795

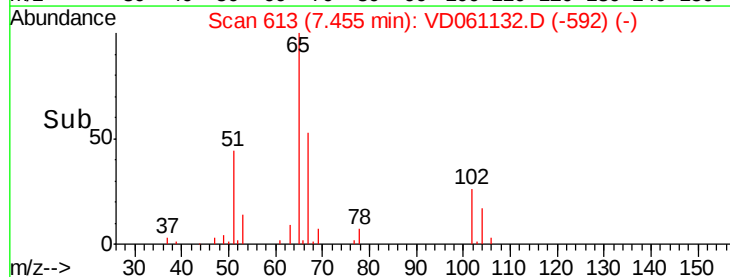
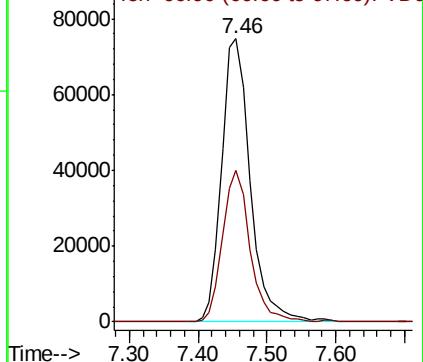
Ion Ratio Lower Upper

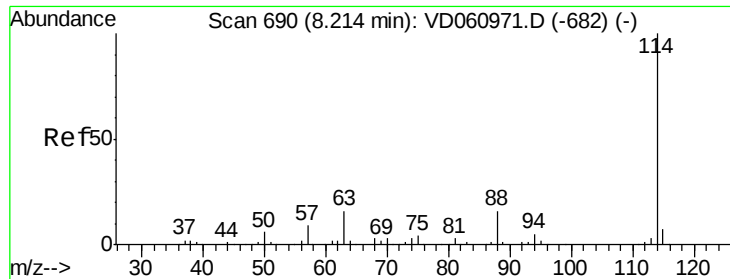
65 100

67 53.4 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# 691

Delta R.T. 0.01 min

Lab File: VD061132.D

Acq: 17 Mar 2019 3:33

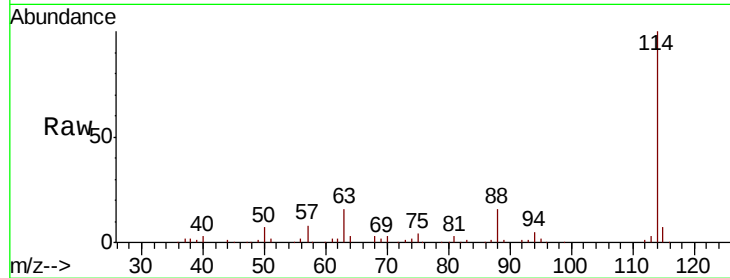
Tgt Ion:114 Resp: 854986

Ion Ratio Lower Upper

114 100

63 15.9 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): V

Ion 87.90 (87.60 to 88.60): V

8.22

300000

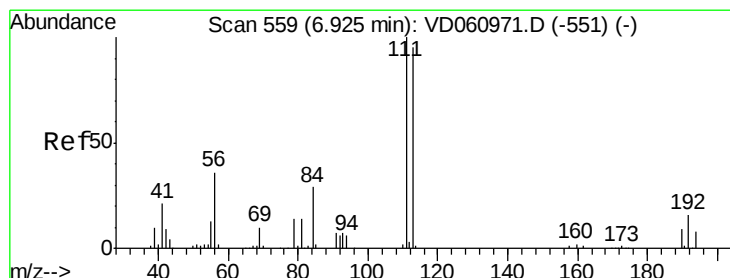
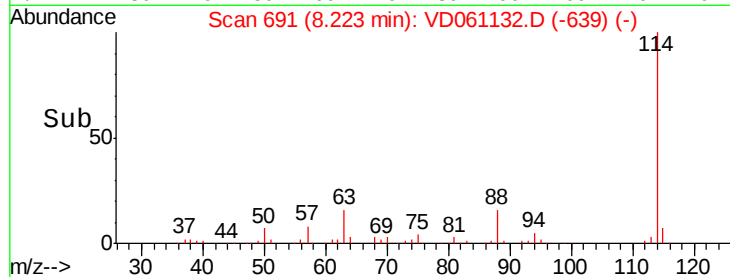
200000

100000

0

8.00 8.20 8.40

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061132.D

Acq: 17 Mar 2019 3:33

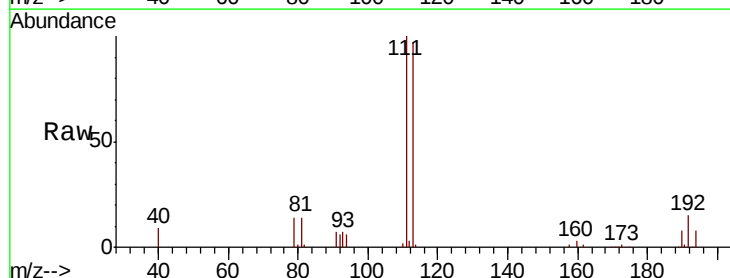
Tgt Ion:113 Resp: 311450

Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.4

192 15.8 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

6.92

150000

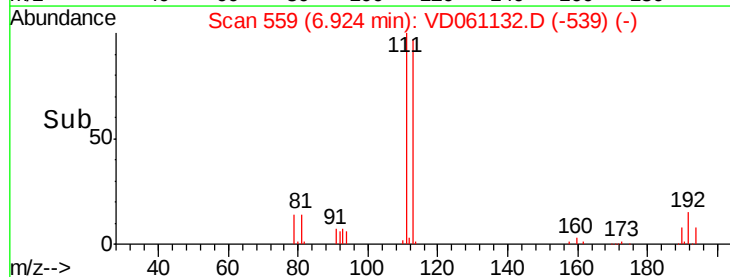
100000

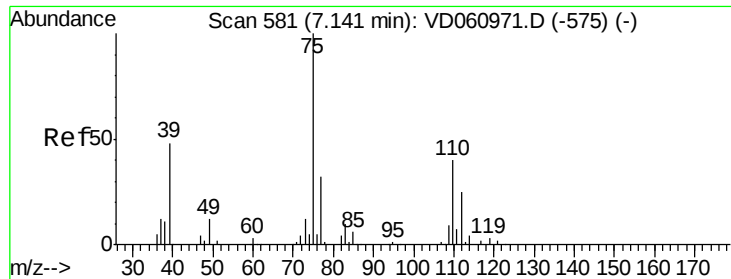
50000

0

6.80 6.90 7.00 7.10

Time-->





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

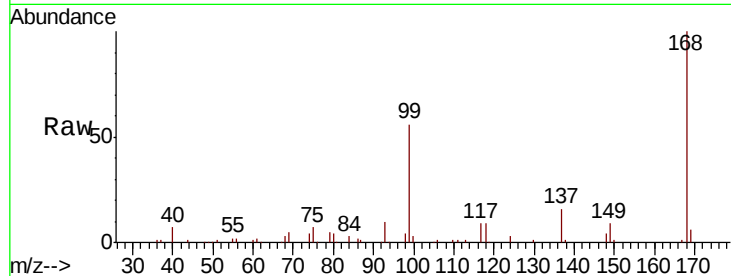
RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061132.D

Acq: 17 Mar 2019 3:33

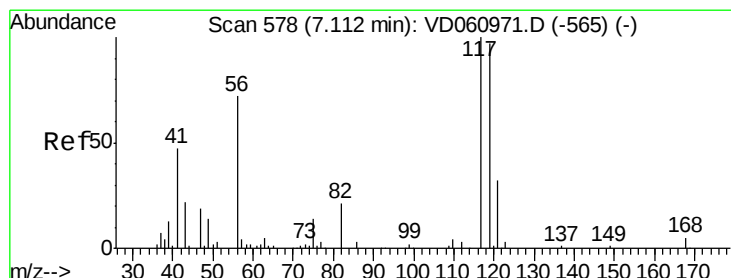
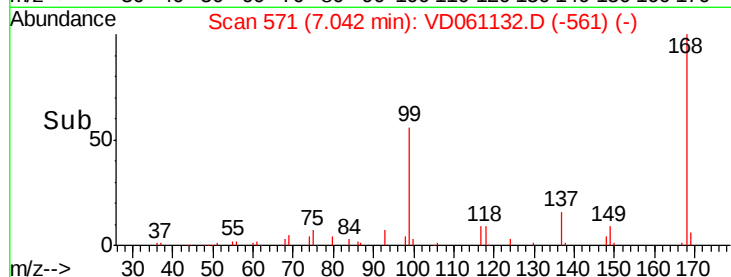
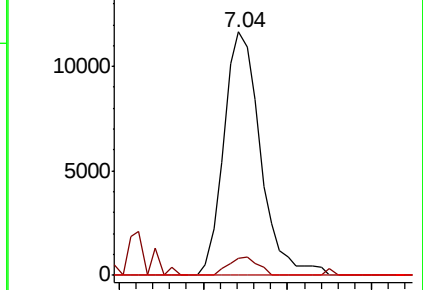
Tgt Ion:	75	Resp:	35237
Ion Ratio	Lower	Upper	
75	100		
110	7.1	19.7	59.1#
77	0.0	24.7	37.1#



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: 5.473 ug/l

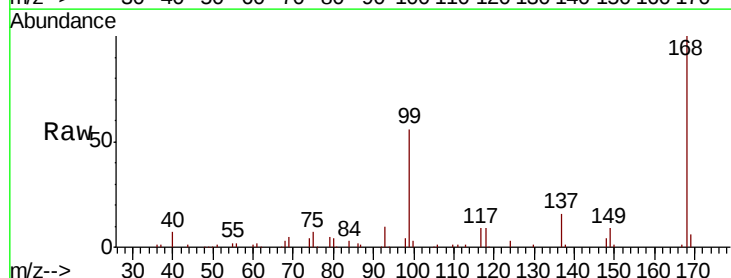
RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061132.D

Acq: 17 Mar 2019 3:33

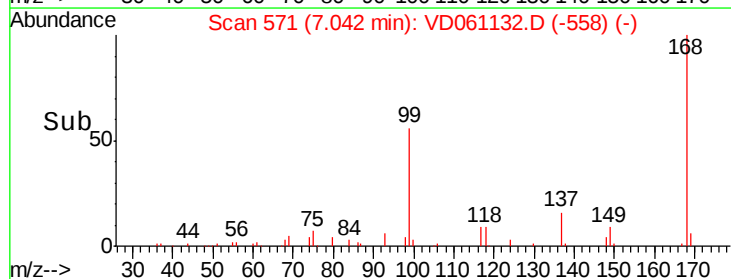
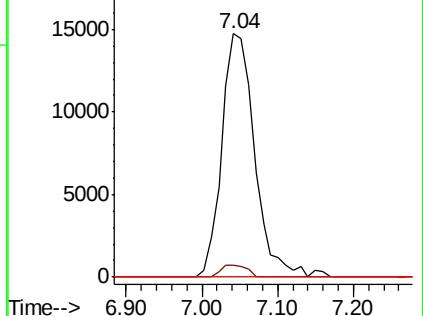
Tgt Ion:	117	Resp:	44432
Ion Ratio	Lower	Upper	
117	100		
119	5.0	77.8	116.8#
121	0.0	25.3	37.9#

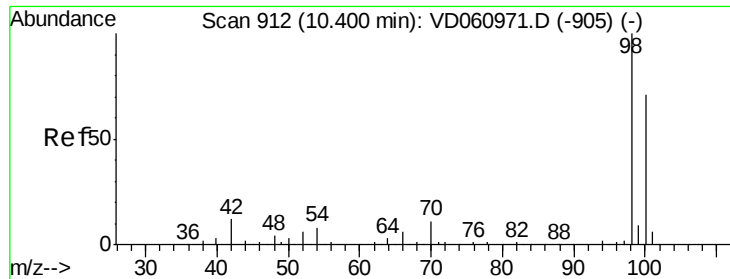


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD061132.D

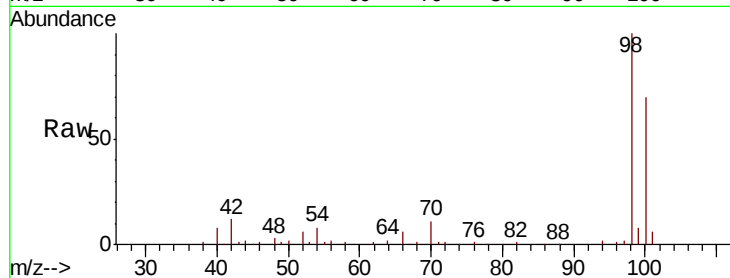
Acq: 17 Mar 2019 3:33

Tgt Ion: 98 Resp: 438247

Ion Ratio Lower Upper

98 100

100 69.6 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) (-)

200000

150000

100000

50000

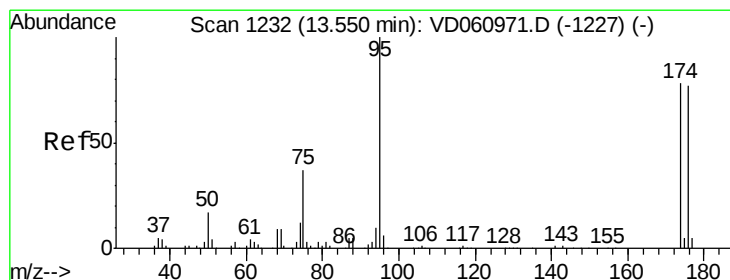
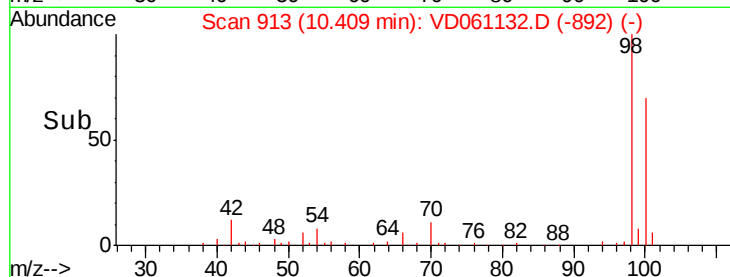
0

10.41

10.40

10.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061132.D

Acq: 17 Mar 2019 3:33

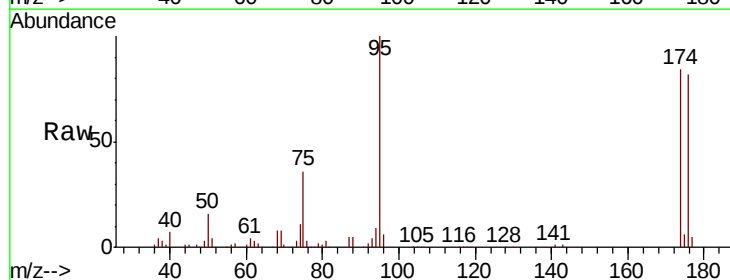
Tgt Ion: 95 Resp: 205681

Ion Ratio Lower Upper

95 100

174 84.3 0.0 155.6

176 82.0 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

200000

150000

100000

50000

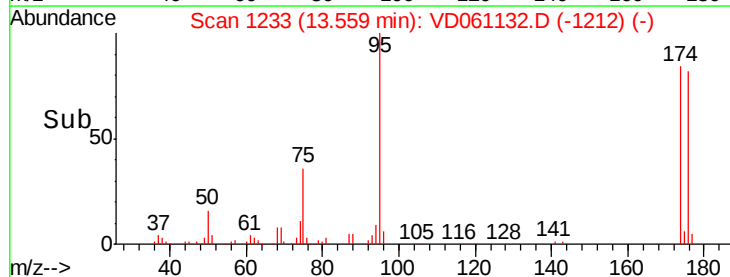
0

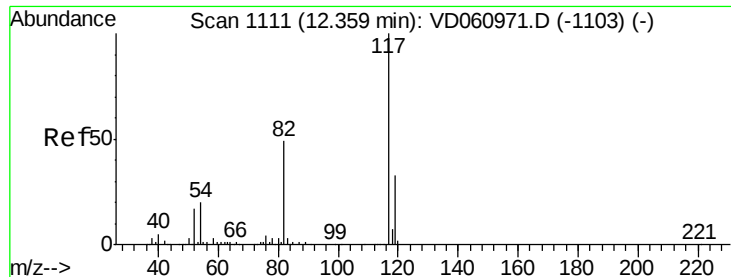
13.56

13.55

13.60

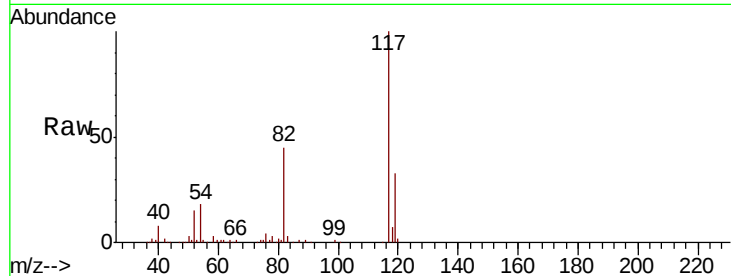
Time-->



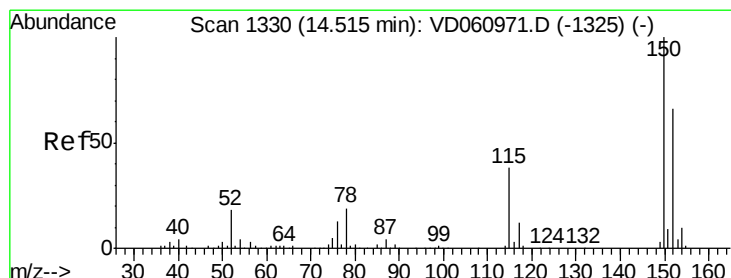
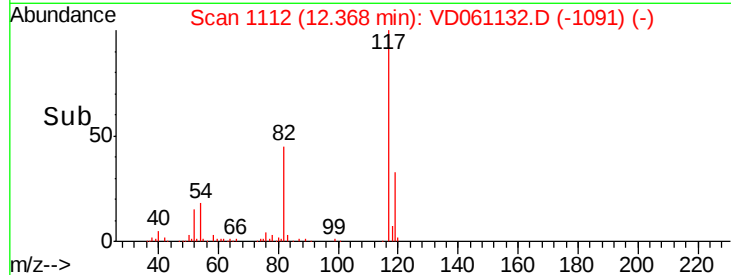
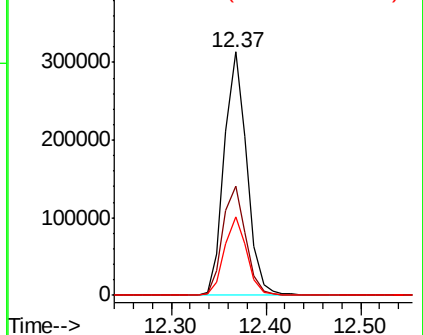


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061132.D
Acq: 17 Mar 2019 3:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	45.0	38.9	58.3
119	32.5	26.6	39.8

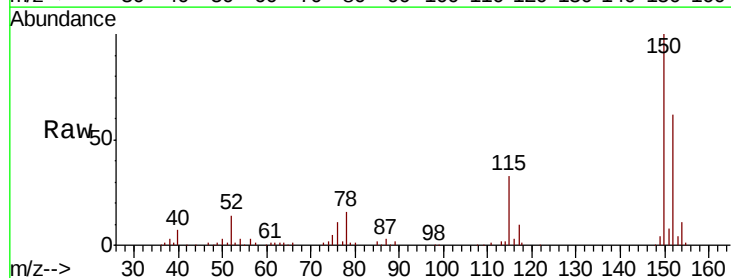


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

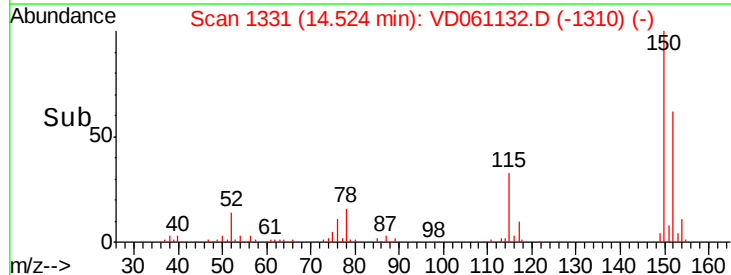
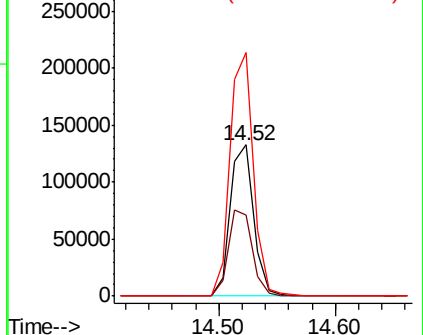


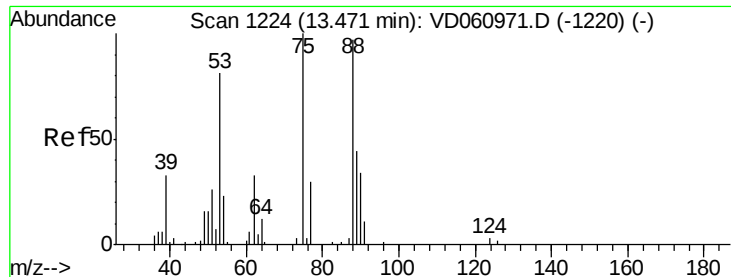
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061132.D
Acq: 17 Mar 2019 3:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	28.6	85.9
150	161.4	0.0	310.6



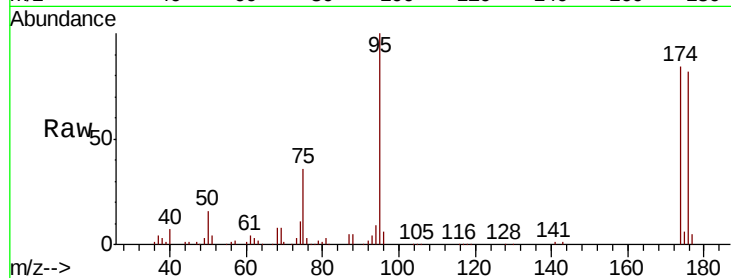
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.547 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061132.D
 Acq: 17 Mar 2019 3:33

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

