

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061679.D
 Acq On : 9 Apr 2019 17:15
 Operator : VA/AP
 Sample : K2317-15RE
 Misc : 5.55a/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 00:55:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

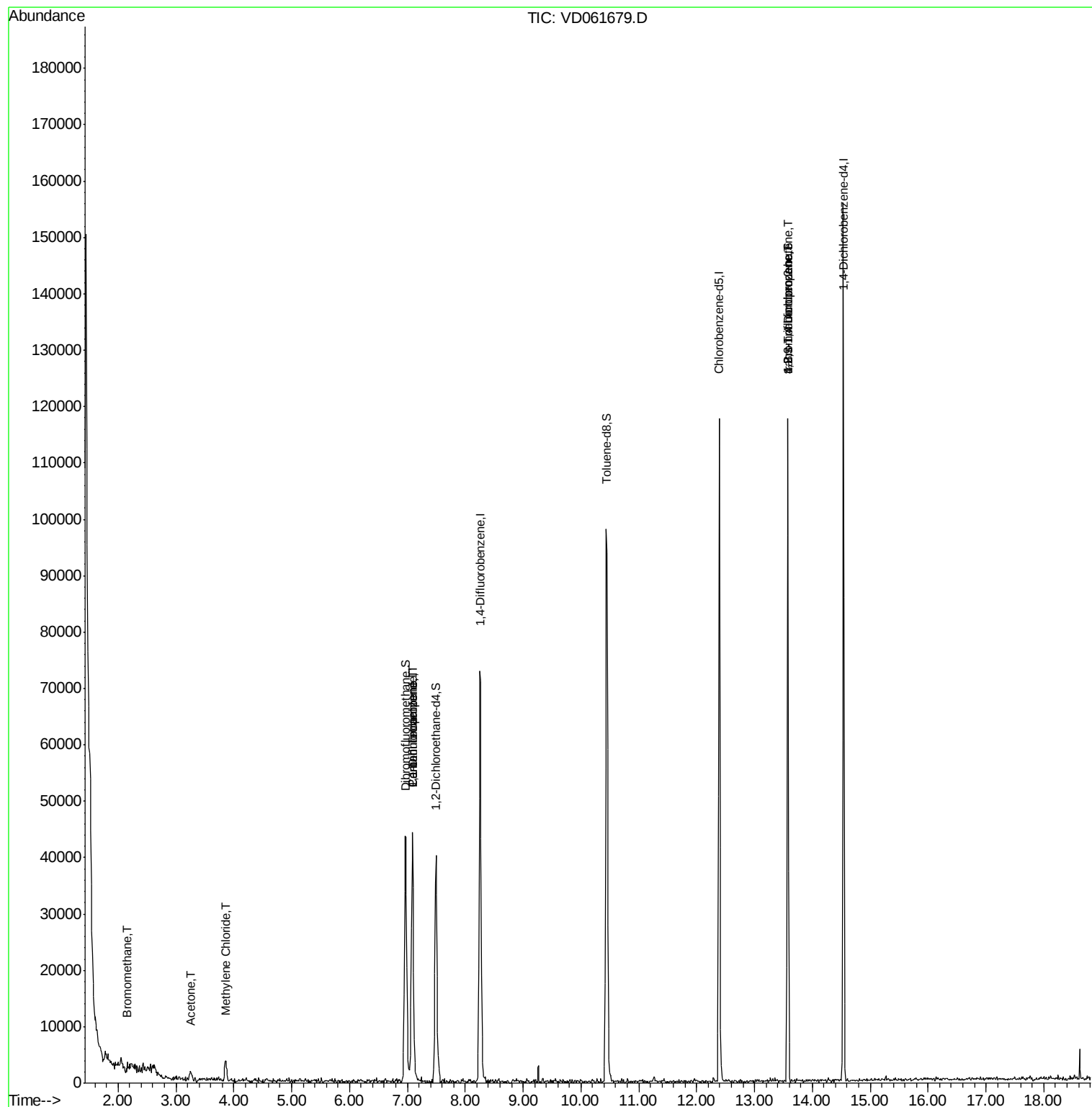
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	47172	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.26	114	90109	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.40	117	80754	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	35220	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	40140	112.26	ug/l	0.04
Spiked Amount 50.000			Recovery	=	224.52%	
35) Dibromofluoromethane	6.97	113	45792	73.36	ug/l	0.05
Spiked Amount 50.000			Recovery	=	146.72%	
50) Toluene-d8	10.44	98	89657	57.17	ug/l	0.03
Spiked Amount 50.000			Recovery	=	114.34%	
62) 4-Bromofluorobenzene	13.58	95	38440	78.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	157.84%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.16	94	199	2.237	ug/l #	12
16) Acetone	3.25	43	3161	29.573	ug/l #	51
20) Methylene Chloride	3.86	84	2763	4.555	ug/l #	74
36) 1,1-Dichloropropene	7.08	75	3539	4.488	ug/l #	39
38) Carbon Tetrachloride	7.09	117	4329	4.684	ug/l #	11
76) 1,2,3-Trichloropropane	13.58	75	14320	29.885	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.58	75	14321	98.490	ug/l #	20

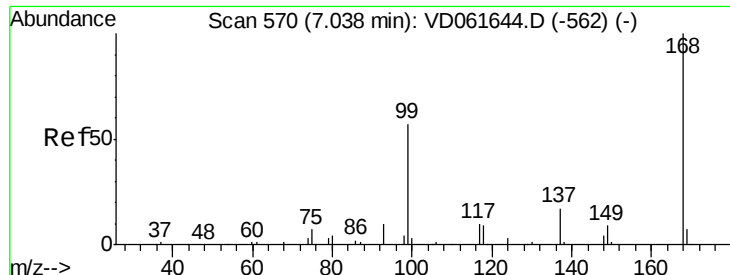
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.05 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

Instrument :

MSVOA_D

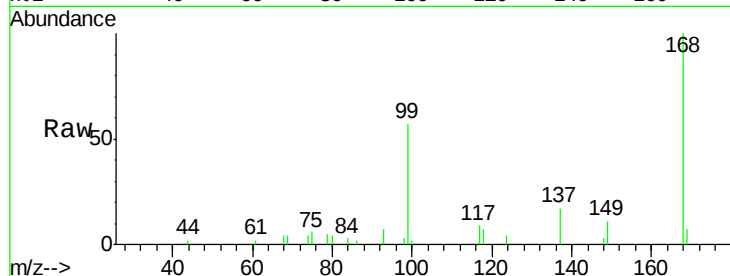
ClientSampleId :

Tot Ion:168 Resp: 47172

Ion Ratio Lower Upper

168 100

99 57.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.09

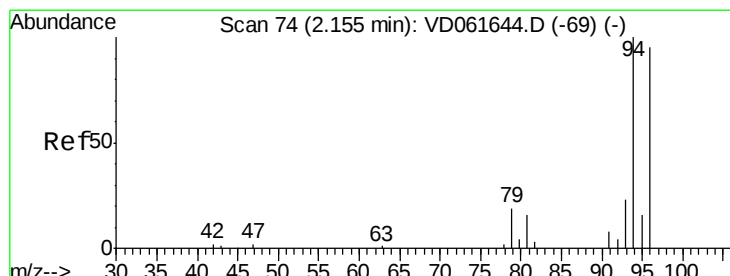
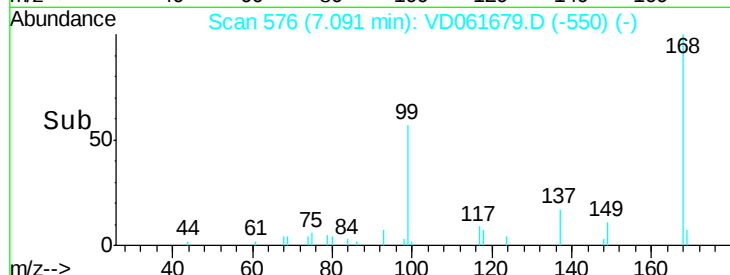
15000

10000

5000

0

Time-->



#5

Bromomethane

Concen: 2.237 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

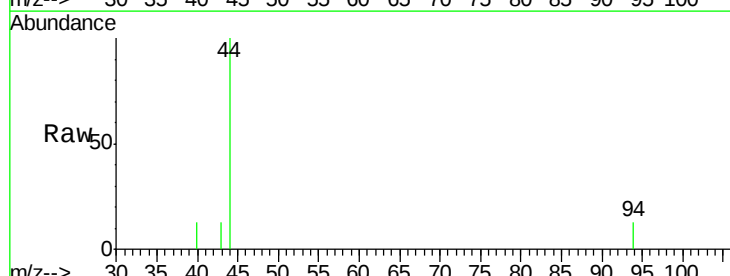
Tgt Ion: 94 Resp: 199

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

93 0.0 18.6 28.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

500

400

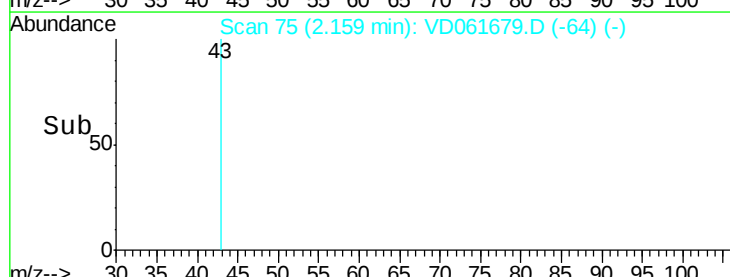
300

200

100

0

Time-->





#16

Acetone

Concen: 29.573 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.03 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

Instrument :

MSVOA_D

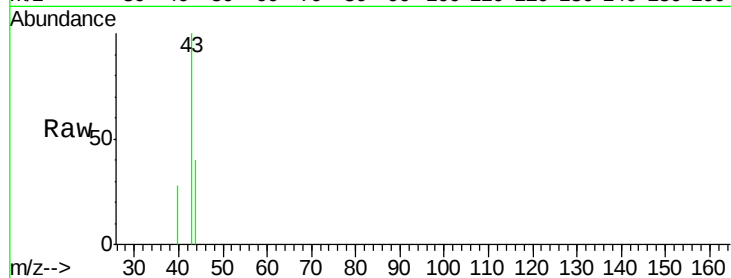
ClientSampled :

Tot Ion: 43 Resp: 3161

Ion Ratio Lower Upper

43 100

58 0.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.25

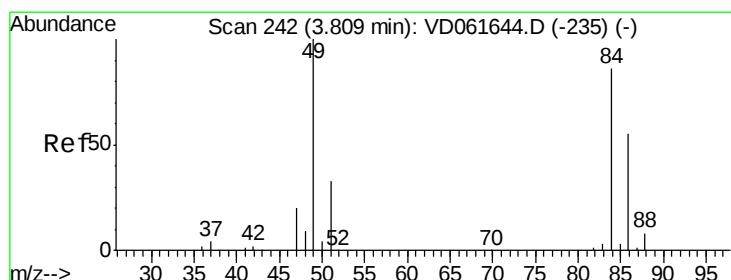
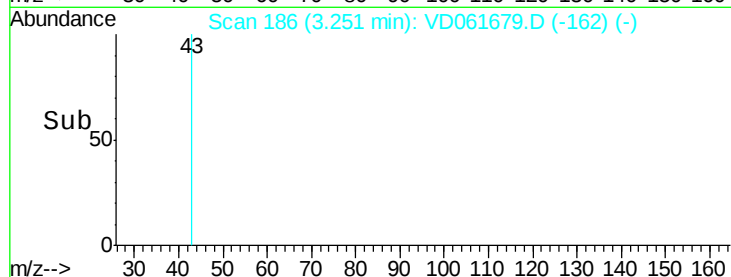
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 4.555 ug/l

RT: 3.86 min Scan# 248

Delta R.T. 0.05 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

Tgt Ion: 84 Resp: 2763

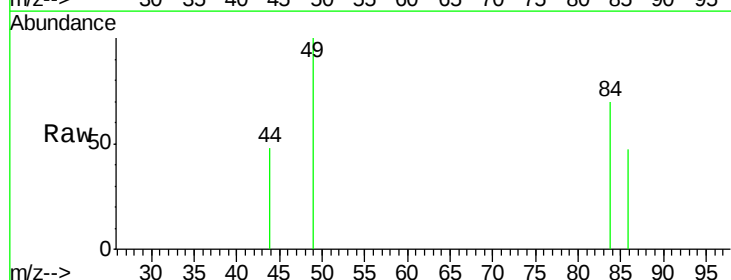
Ion Ratio Lower Upper

84 100

49 143.4 93.0 139.4#

51 0.0 30.4 45.6#

86 67.0 51.0 76.4



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

2000

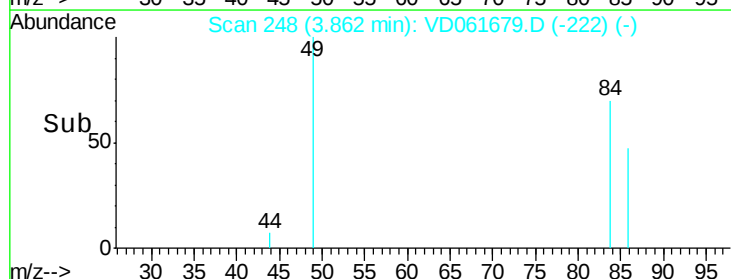
1500

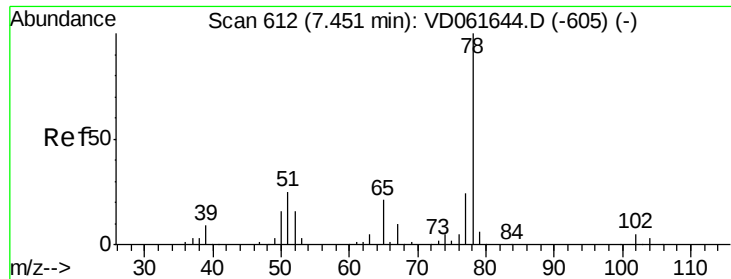
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.49 min Scan# 617

Delta R.T. 0.04 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

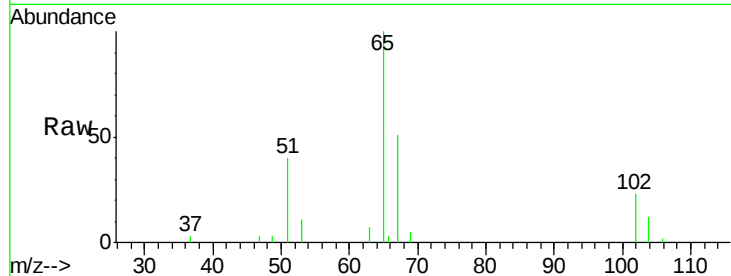
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 40140

Ion Ratio Lower Upper

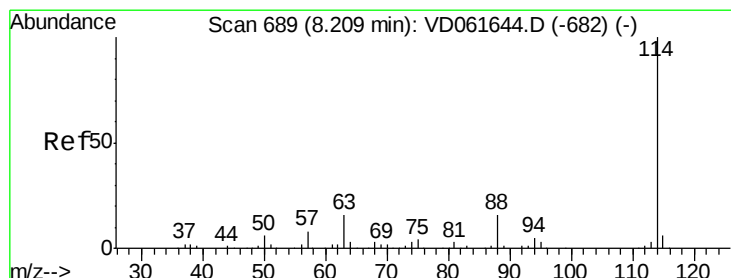
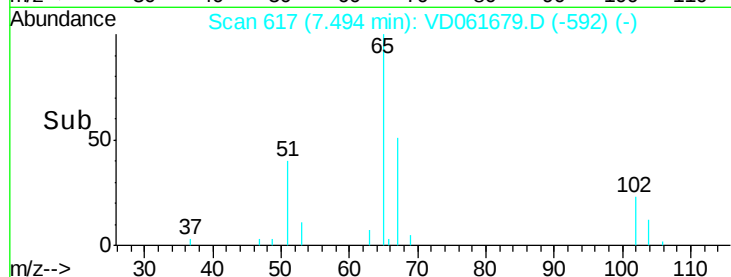
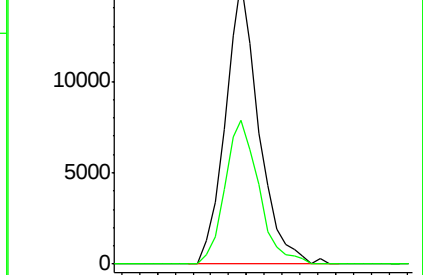
65 100

67 51.0 0.0 99.4



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: 8.26 min Scan# 695

Delta R.T. 0.05 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

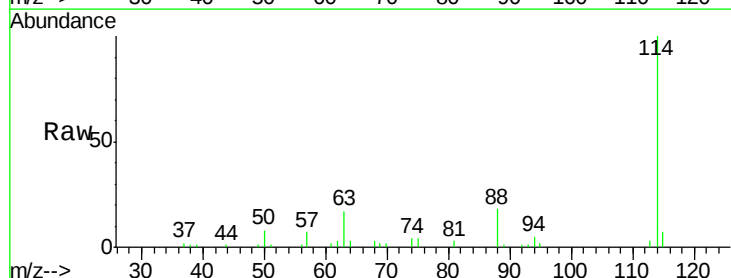
Tgt Ion:114 Resp: 90109

Ion Ratio Lower Upper

114 100

63 16.9 0.0 31.2

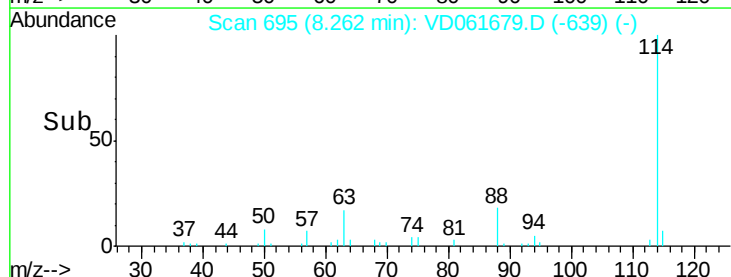
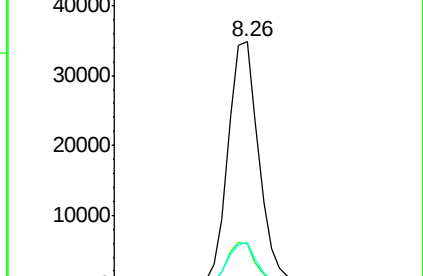
88 17.7 0.0 31.8



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

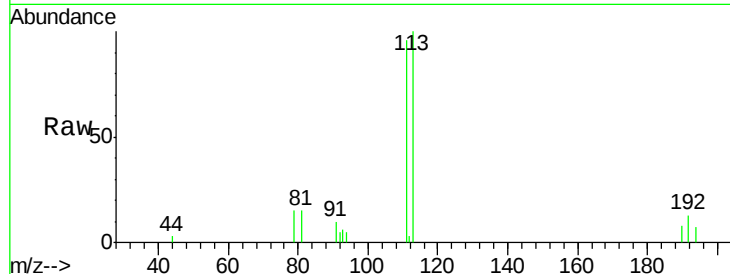




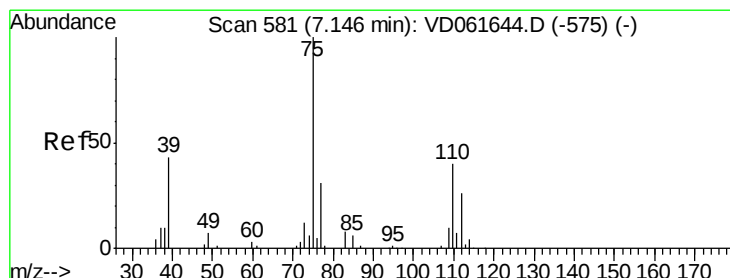
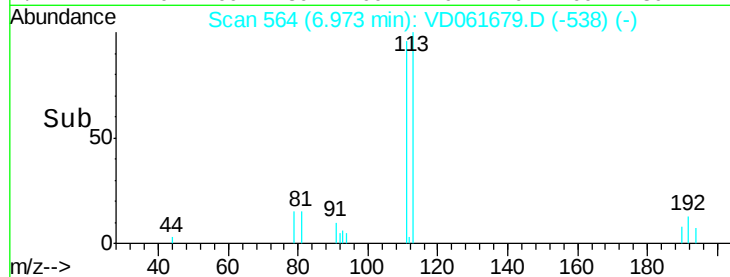
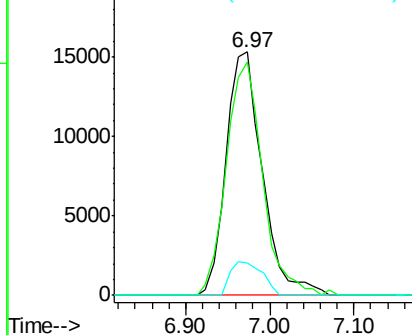
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.97 min Scan# 564
 Delta R.T. 0.05 min
 Lab File: VD061679.D
 Acq: 9 Apr 2019 17:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 45792
 Ion Ratio Lower Upper
 113 100
 111 95.7 79.3 118.9
 192 13.5 12.3 18.5

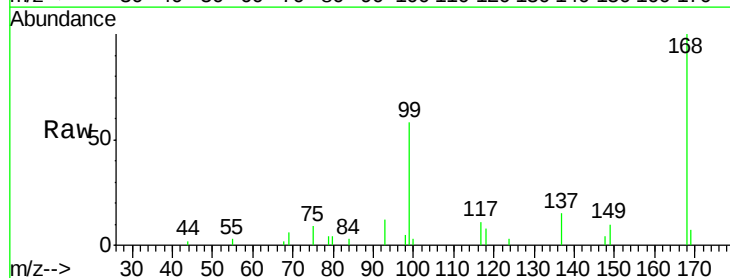


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

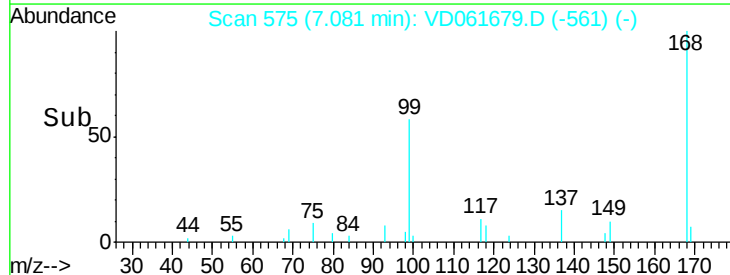
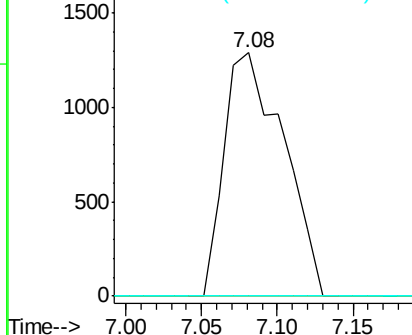


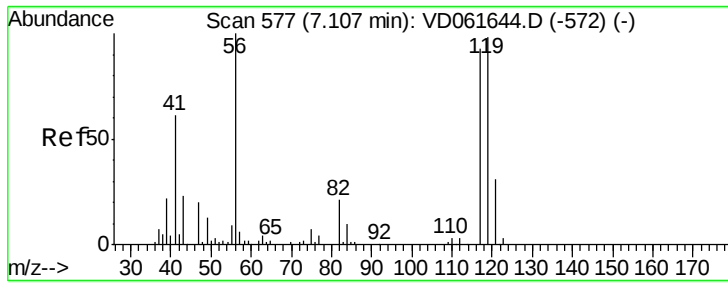
#36
 1,1-Dichloropropene
 Concen: 4.488 ug/l
 RT: 7.08 min Scan# 575
 Delta R.T. -0.07 min
 Lab File: VD061679.D
 Acq: 9 Apr 2019 17:15

Tgt Ion: 75 Resp: 3539
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.0#
 77 0.0 24.8 37.2#



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

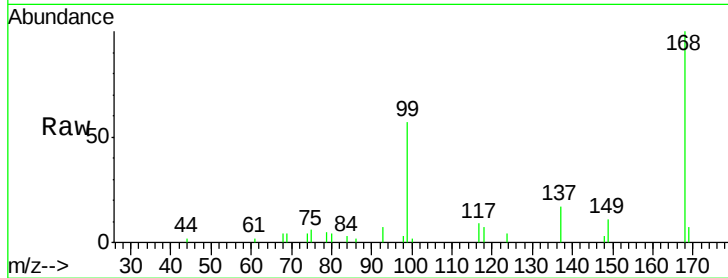




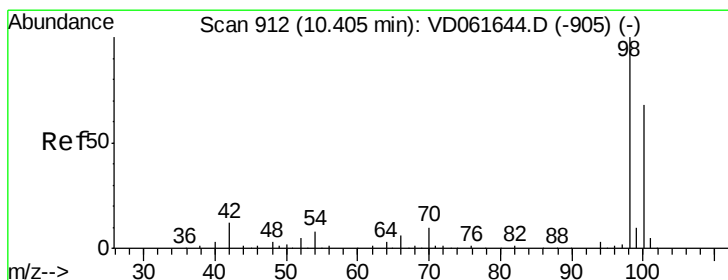
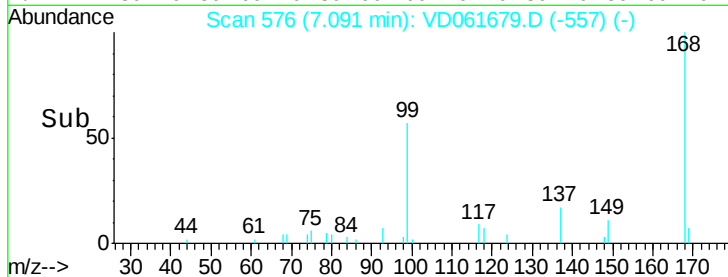
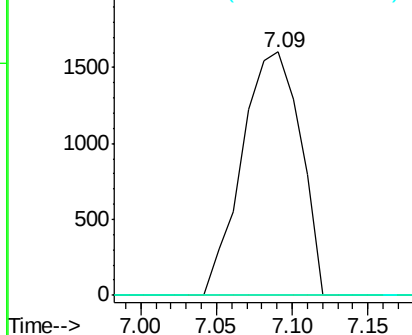
#38
Carbon Tetrachloride
Concen: 4.684 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD061679.D
Acq: 9 Apr 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 4329
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.7 37.1#

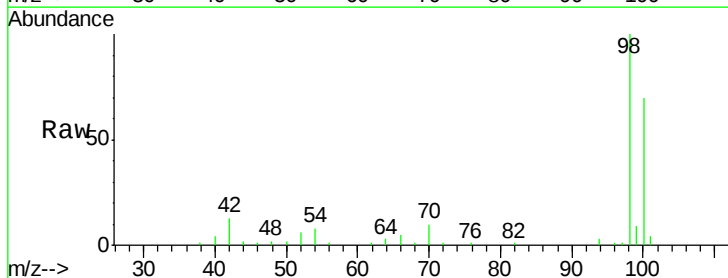


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

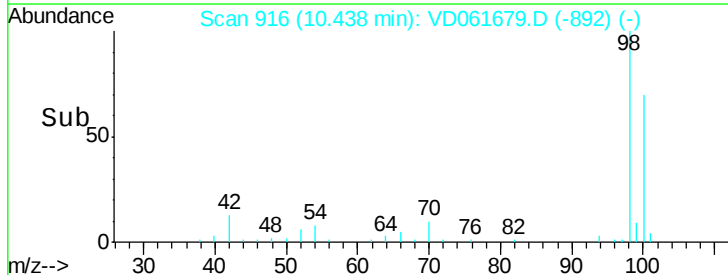
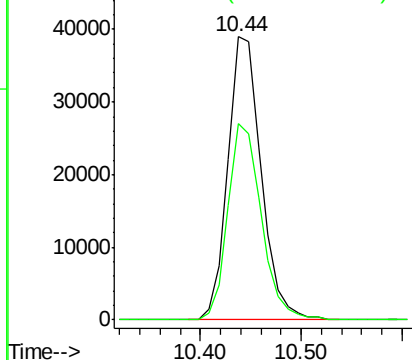


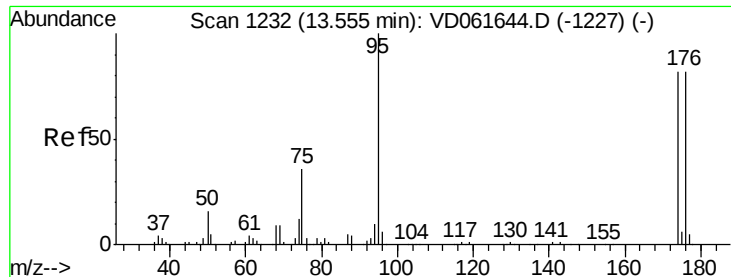
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.03 min
Lab File: VD061679.D
Acq: 9 Apr 2019 17:15

Tgt Ion: 98 Resp: 89657
Ion Ratio Lower Upper
98 100
100 69.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.02 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

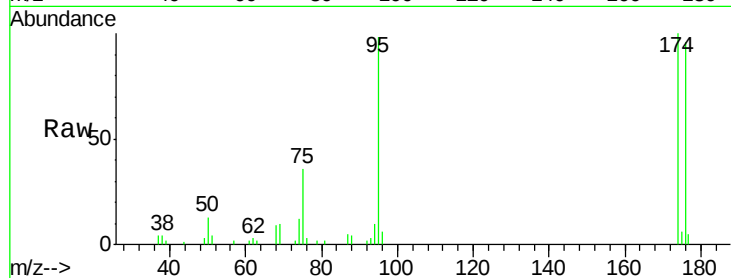
Tot Ion: 95 Resp: 38440

Ion Ratio Lower Upper

95 100

174 102.1 0.0 164.6

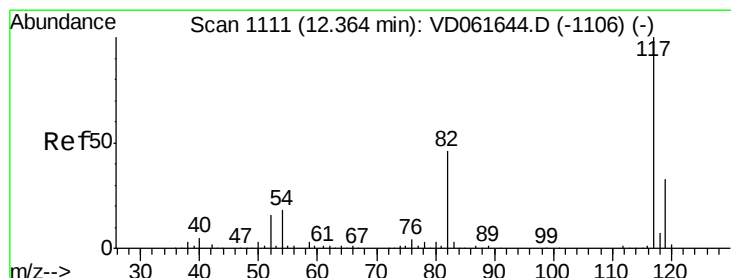
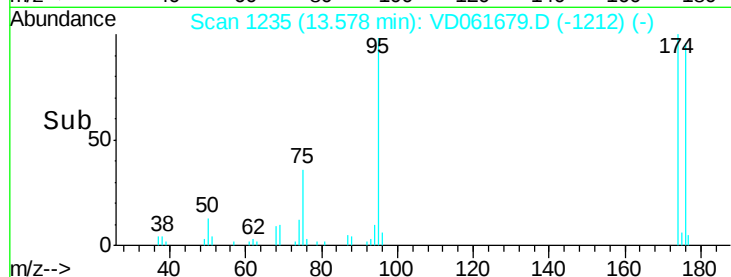
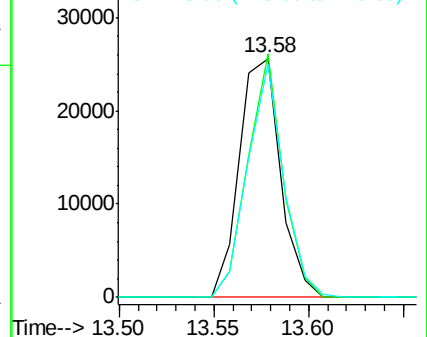
176 97.7 0.0 165.0



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: 12.40 min Scan# 1115

Delta R.T. 0.03 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

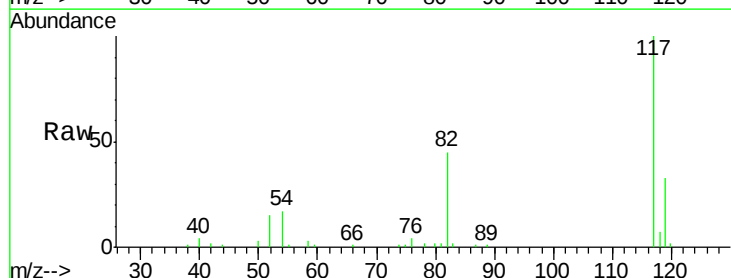
Tgt Ion: 117 Resp: 80754

Ion Ratio Lower Upper

117 100

82 45.0 36.8 55.2

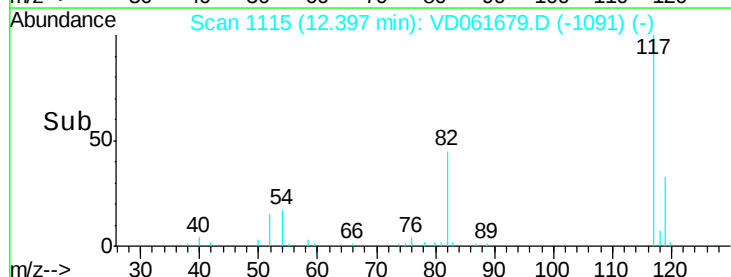
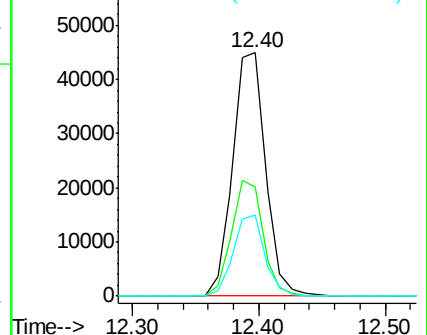
119 33.3 26.1 39.1

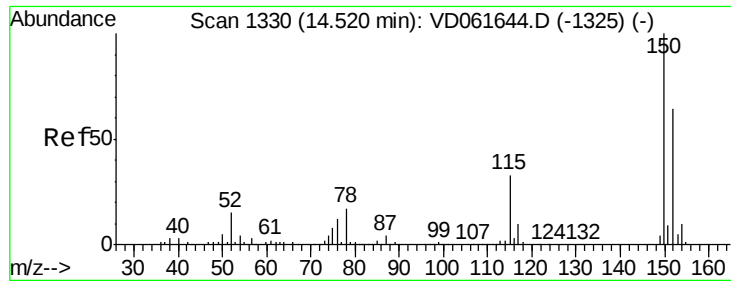


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

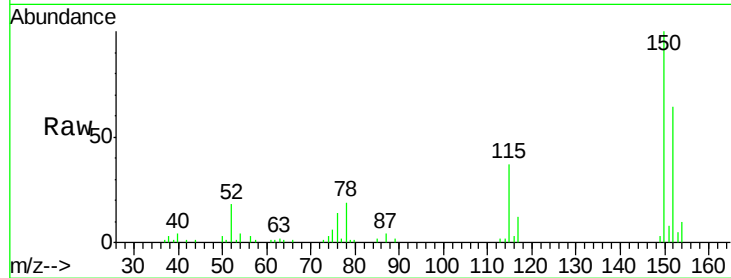
Tot Ion:152 Resp: 35220

Ion Ratio Lower Upper

152 100

115 58.1 26.4 79.2

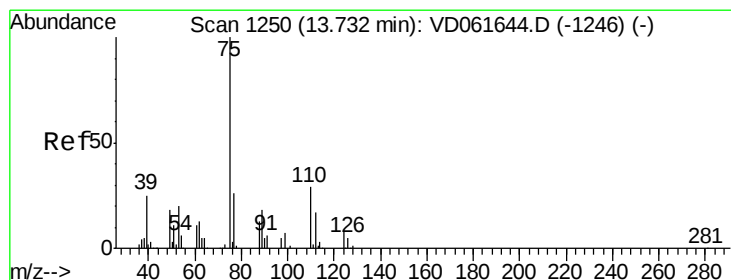
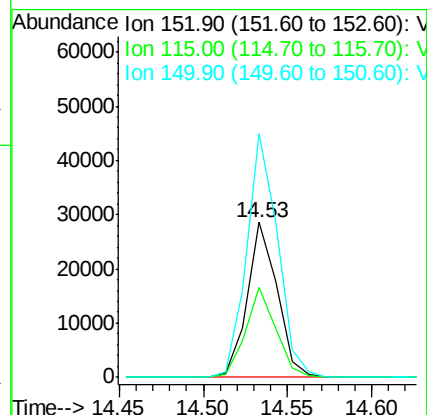
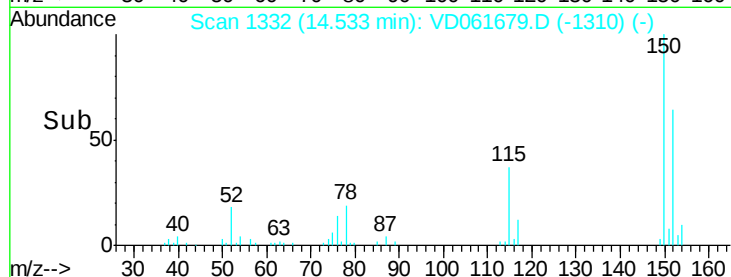
150 156.9 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 29.885 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. -0.15 min

Lab File: VD061679.D

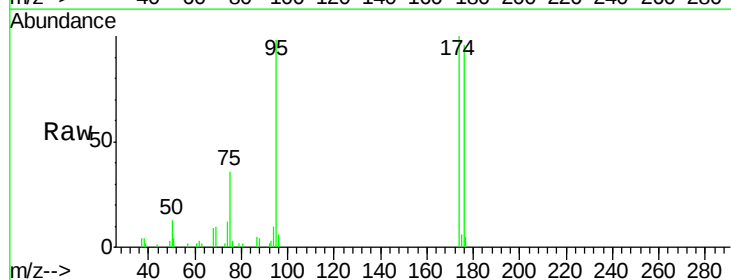
Acq: 9 Apr 2019 17:15

Tgt Ion: 75 Resp: 14320

Ion Ratio Lower Upper

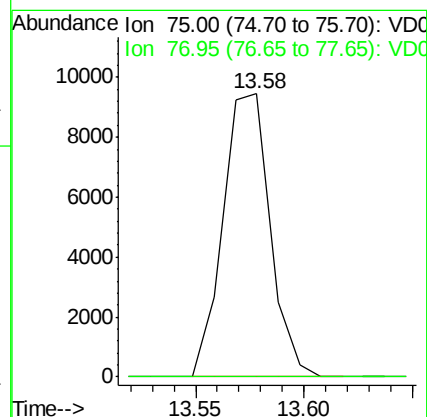
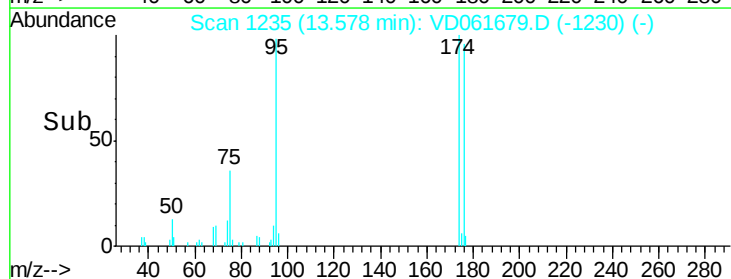
75 100

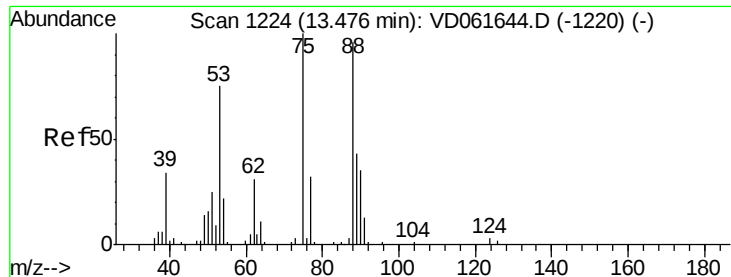
77 0.0 15.7 47.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 98.490 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.10 min

Lab File: VD061679.D

Acq: 9 Apr 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

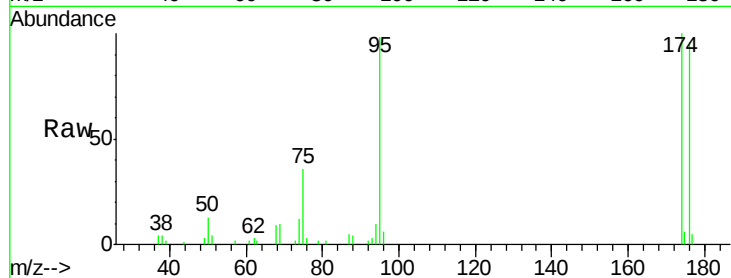
Tot Ion: 75 Resp: 14321

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

