

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\
 Data File : VD060664.D
 Acq On : 20 Dec 2018 17:57
 Operator : VA/AP
 Sample : J6481-02
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SW-PROP-2

Quant Time: Dec 21 03:39:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

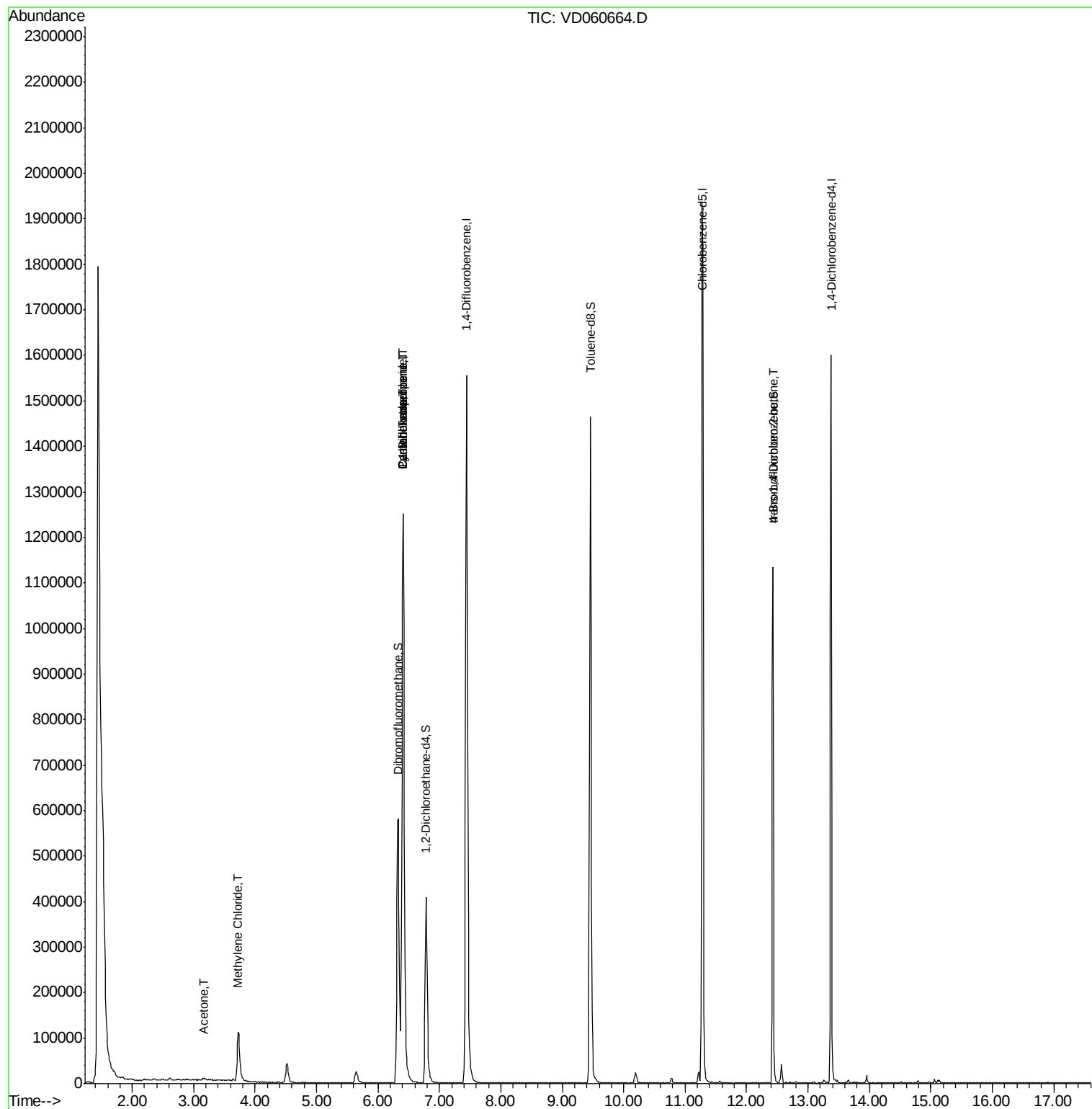
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1245281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	1650091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1116162	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	357272	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	346180	40.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.46%	
35) Dibromofluoromethane	6.33	113	481399	39.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.72%	
50) Toluene-d8	9.46	98	1192563	33.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.18%	
62) 4-Bromofluorobenzene	12.43	95	322893	25.58	ug/l	0.01
Spiked Amount	50.000		Recovery	=	51.16%	
Target Compounds						
					Qvalue	
16) Acetone	3.16	43	9103	6.057	ug/l #	83
20) Methylene Chloride	3.72	84	74642	4.782	ug/l	95
31) Cyclohexane	6.40	56	23617	1.087	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	89043	5.240	ug/l #	46
38) Carbon Tetrachloride	6.41	117	99318	6.626	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.43	75	130580	116.180	ug/l #	13

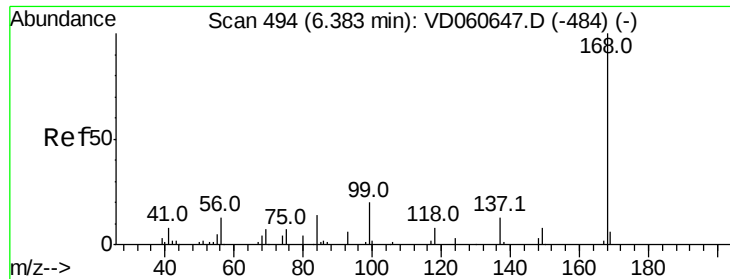
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

Instrument :

MSVOA_D

ClientSampleId :

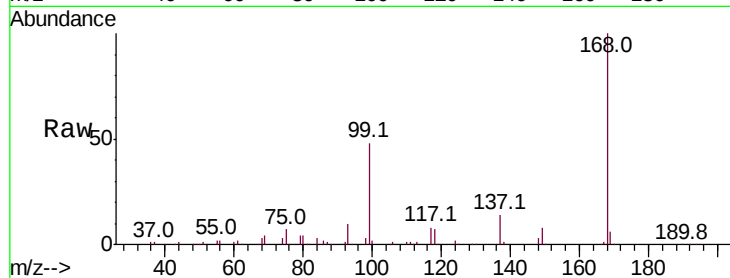
SW-PROP-2

Tot Ion:168 Resp: 1245281

Ion Ratio Lower Upper

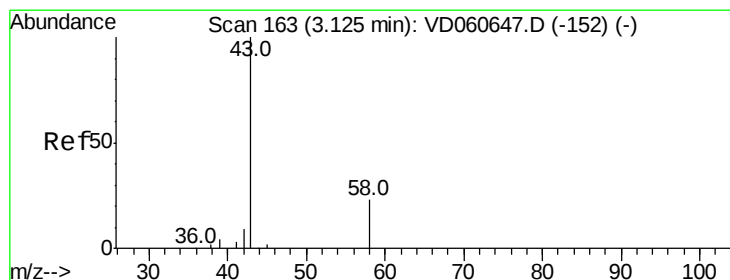
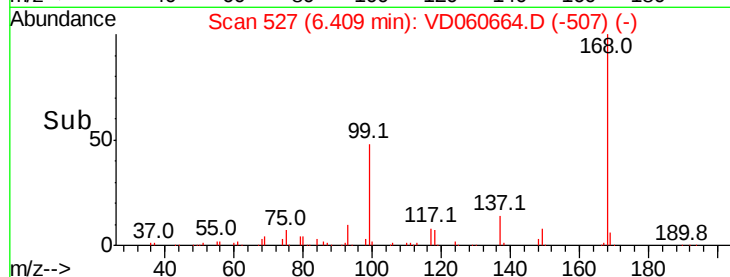
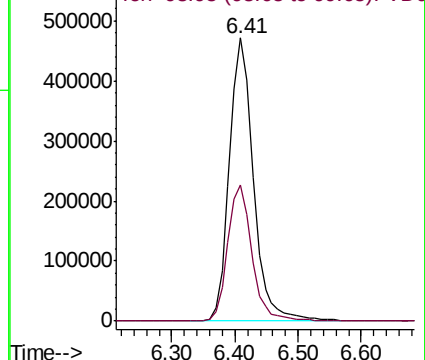
168 100

99 47.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 6.057 ug/l

RT: 3.16 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD060664.D

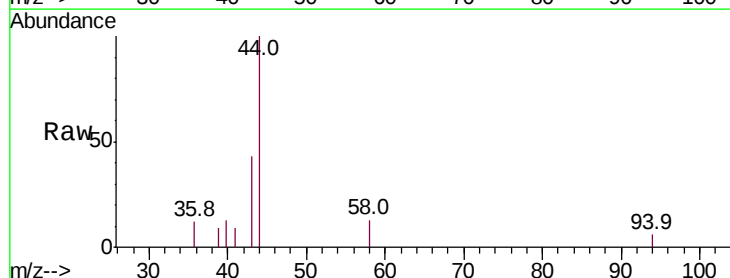
Acq: 20 Dec 2018 17:57

Tgt Ion: 43 Resp: 9103

Ion Ratio Lower Upper

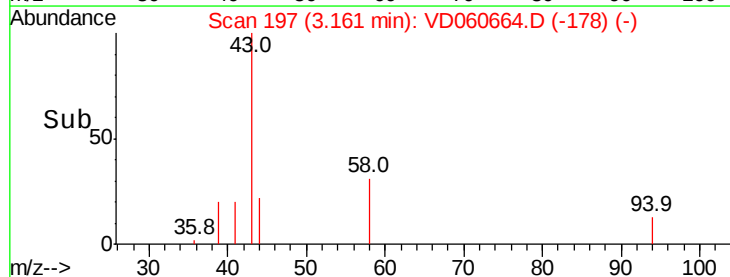
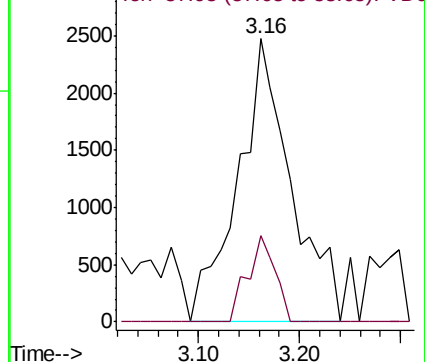
43 100

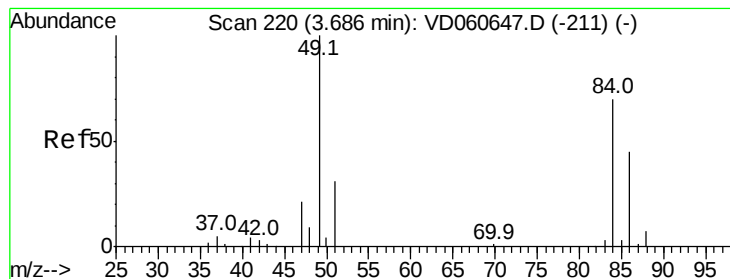
58 30.7 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 4.782 ug/l

RT: 3.72 min Scan# 254

Delta R.T. -0.01 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

Instrument :

MSVOA_D

ClientSampleId :

SW-PROP-2

Tot Ion: 84 Resp: 74642

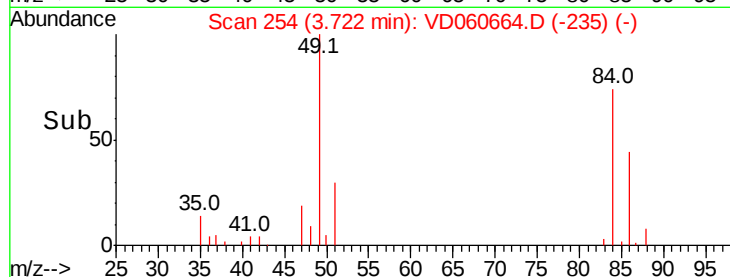
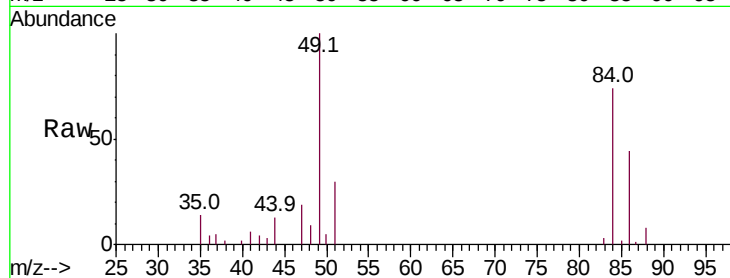
Ion Ratio Lower Upper

84 100

49 136.0 113.6 170.4

51 41.1 34.7 52.1

86 60.5 52.8 79.2

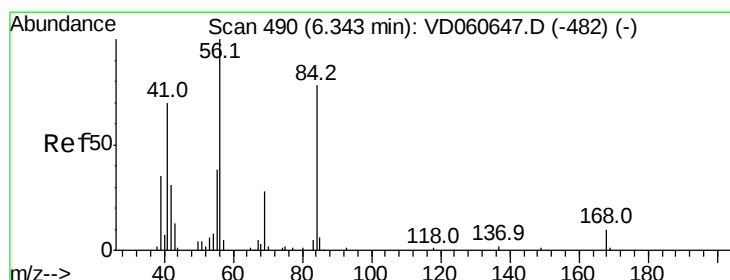
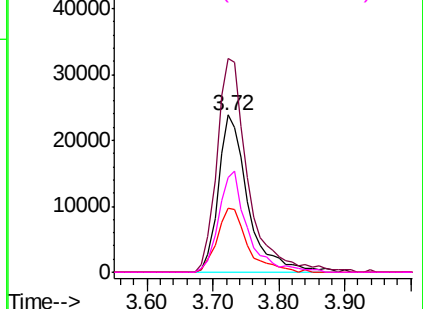


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.087 ug/l

RT: 6.40 min Scan# 526

Delta R.T. 0.03 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

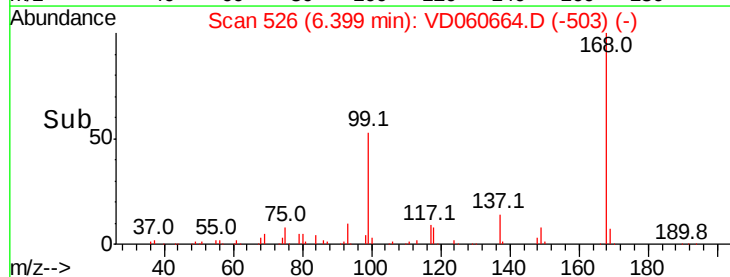
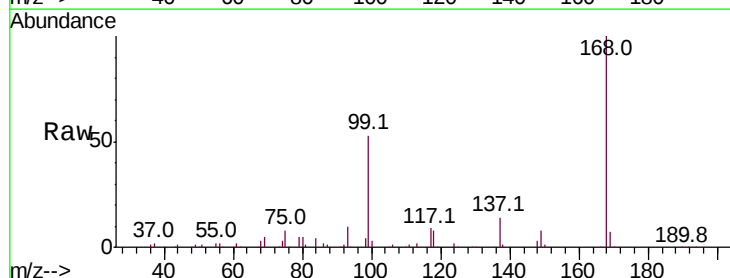
Tgt Ion: 56 Resp: 23617

Ion Ratio Lower Upper

56 100

69 224.4 23.6 35.4#

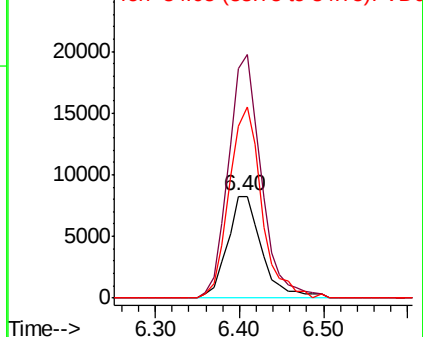
84 168.2 65.8 98.6#

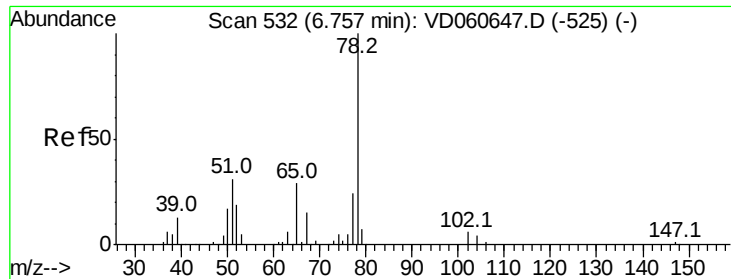


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.78 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

Instrument :

MSVOA_D

ClientSampleId :

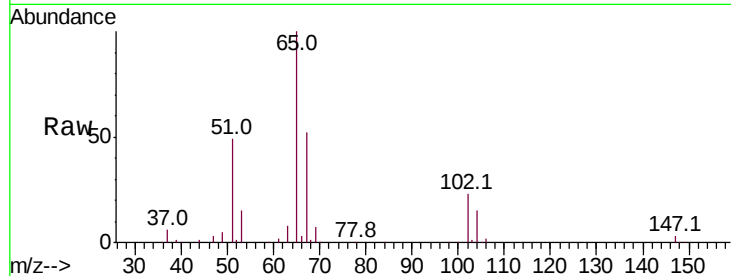
SW-PROP-2

Tot Ion: 65 Resp: 346180

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

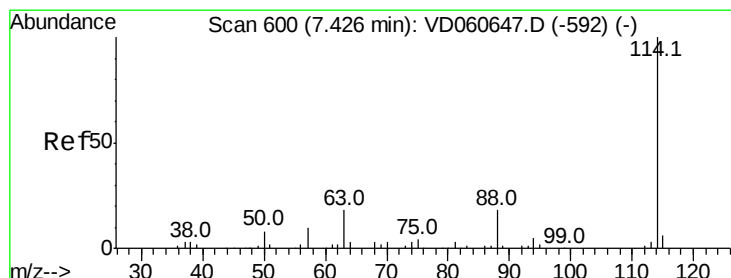
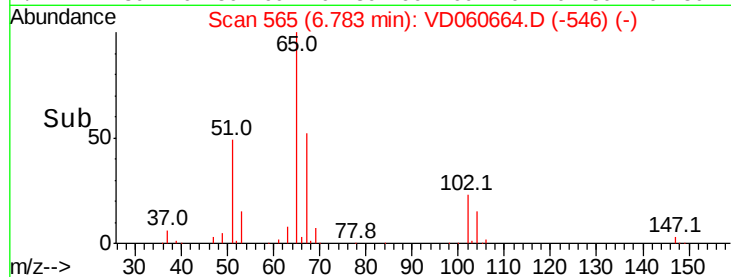
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 632

Delta R.T. 0.00 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

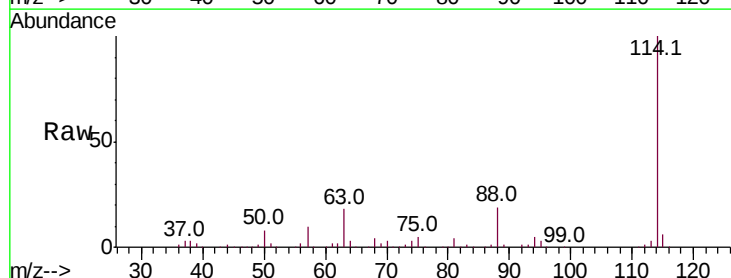
Tgt Ion:114 Resp: 1650091

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.2

88 18.6 0.0 37.0



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

7.44

800000

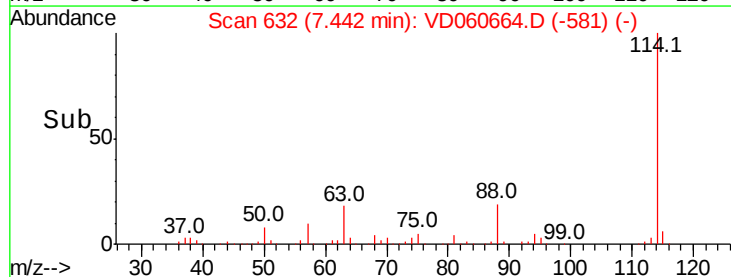
600000

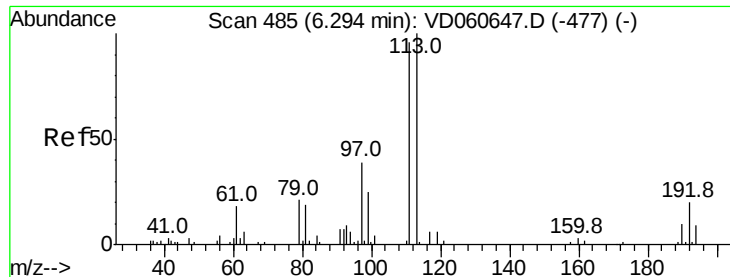
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 519

Delta R.T. 0.00 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

Instrument :

MSVOA_D

ClientSampleId :

SW-PROP-2

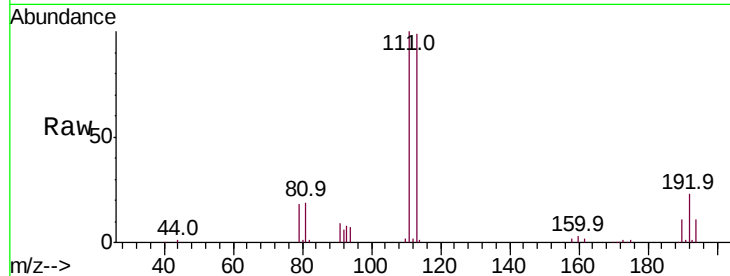
Tot Ion:113 Resp: 481399

Ion Ratio Lower Upper

113 100

111 100.7 80.0 120.0

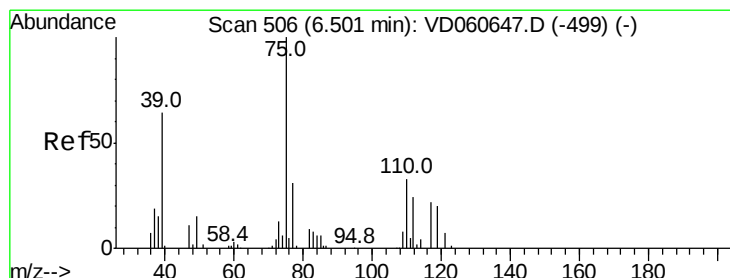
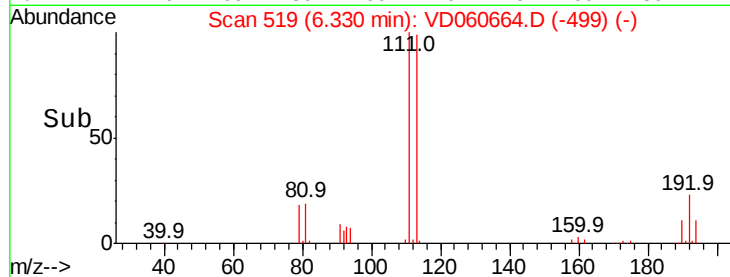
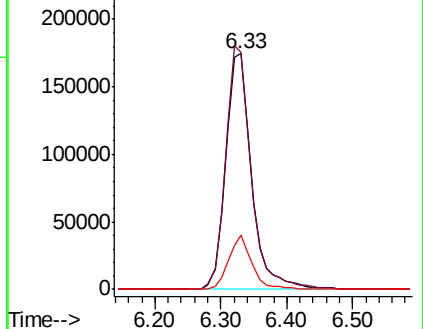
192 23.1 16.6 25.0



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: 5.240 ug/l

RT: 6.41 min Scan# 527

Delta R.T. -0.12 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

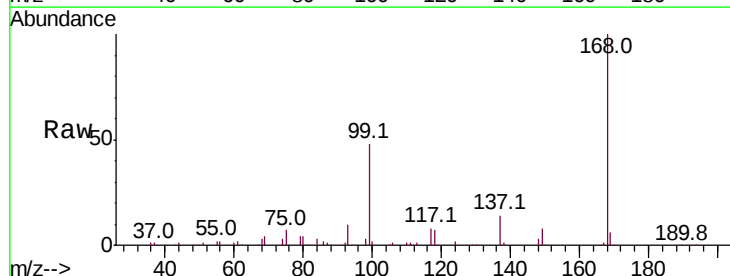
Tgt Ion: 75 Resp: 89043

Ion Ratio Lower Upper

75 100

110 7.3 18.9 56.7#

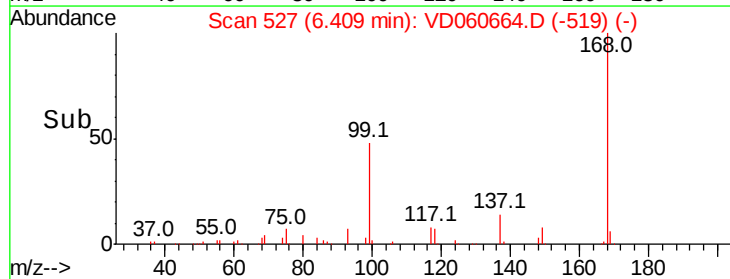
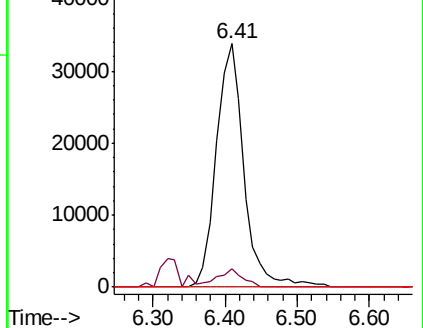
77 0.0 25.4 38.0#

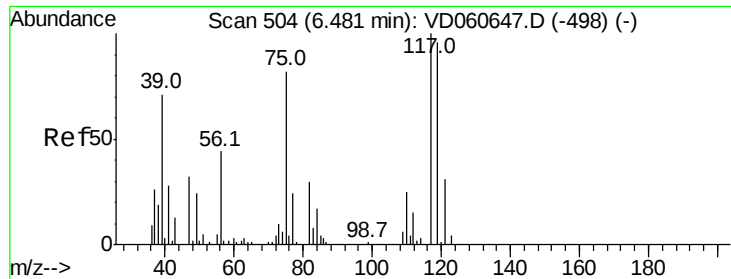


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.626 ug/l

RT: 6.41 min Scan# 527

Delta R.T. -0.09 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

Instrument :

MSVOA_D

ClientSampleId :

SW-PROP-2

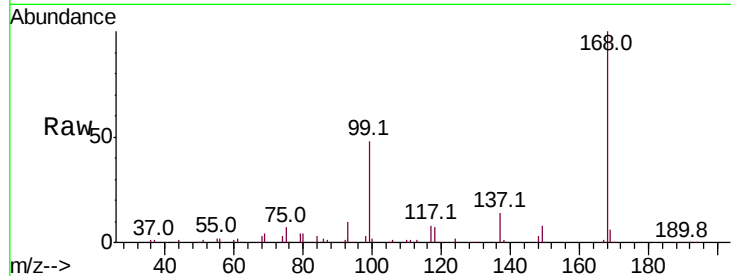
Tot Ion:117 Resp: 99318

Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.4#

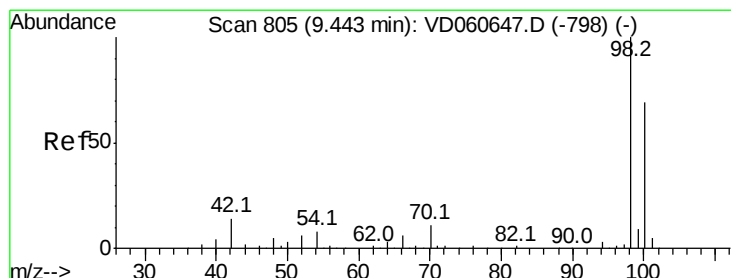
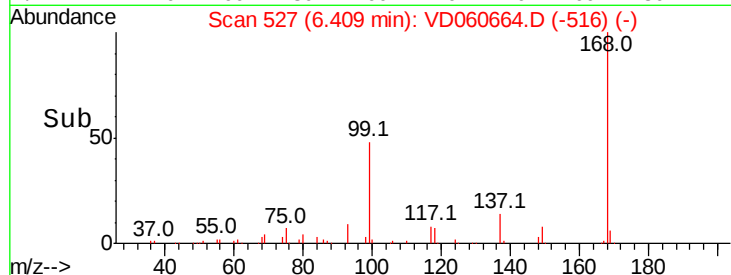
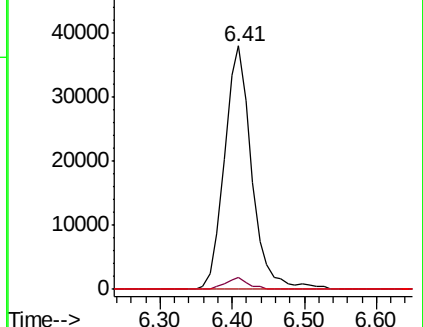
121 0.0 24.7 37.1#



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: 9.46 min Scan# 837

Delta R.T. 0.00 min

Lab File: VD060664.D

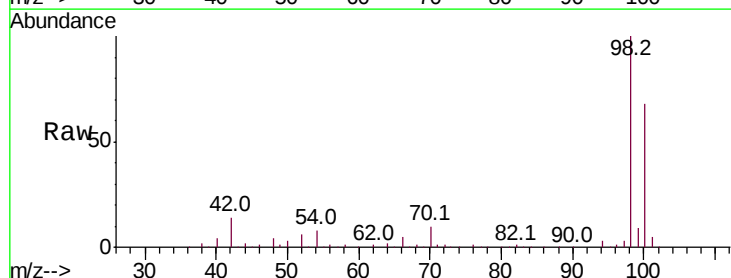
Acq: 20 Dec 2018 17:57

Tgt Ion: 98 Resp: 1192563

Ion Ratio Lower Upper

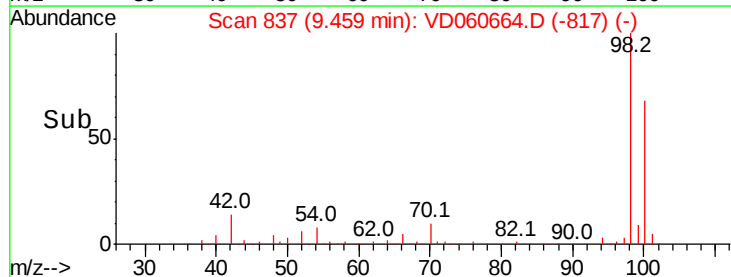
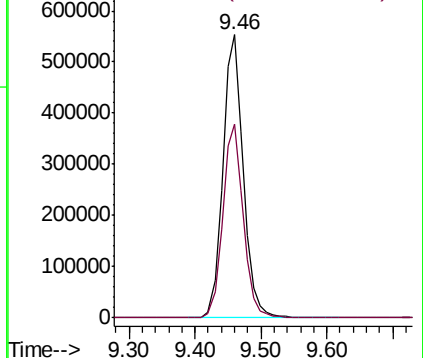
98 100

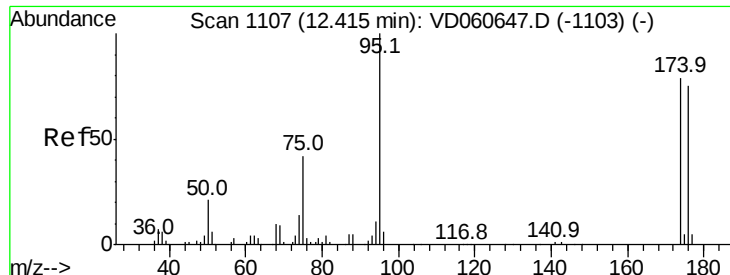
100 68.4 55.8 83.8



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: 12.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

Instrument :

MSVOA_D

ClientSampleId :

SW-PROP-2

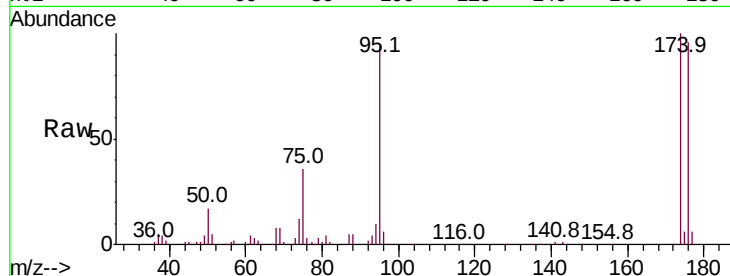
Tot Ion: 95 Resp: 322893

Ion Ratio Lower Upper

95 100

174 106.3 0.0 158.2

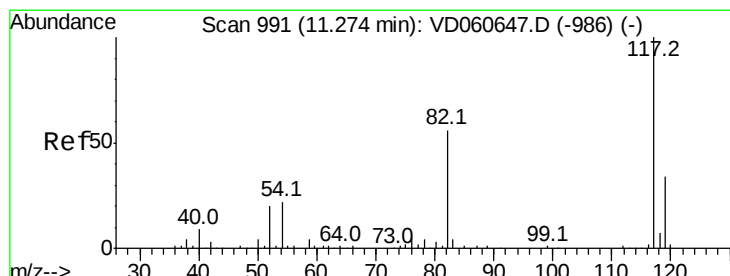
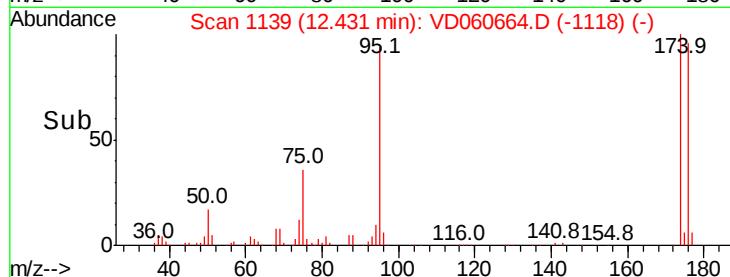
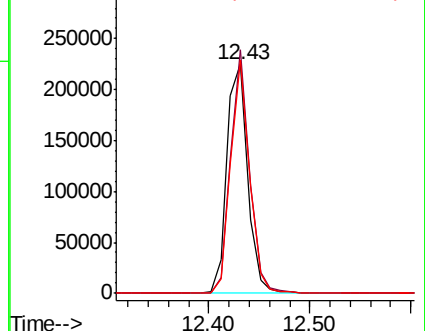
176 101.7 0.0 152.4



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: 11.29 min Scan# 1023

Delta R.T. 0.01 min

Lab File: VD060664.D

Acq: 20 Dec 2018 17:57

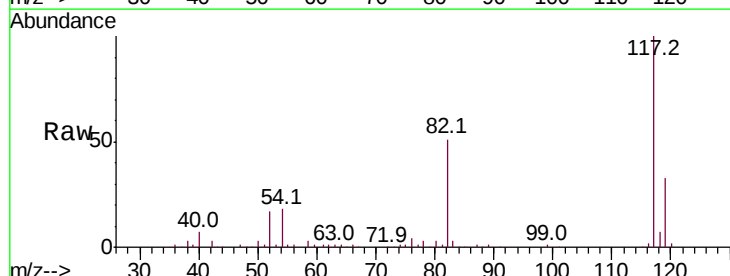
Tgt Ion: 117 Resp: 1116162

Ion Ratio Lower Upper

117 100

82 51.4 44.5 66.7

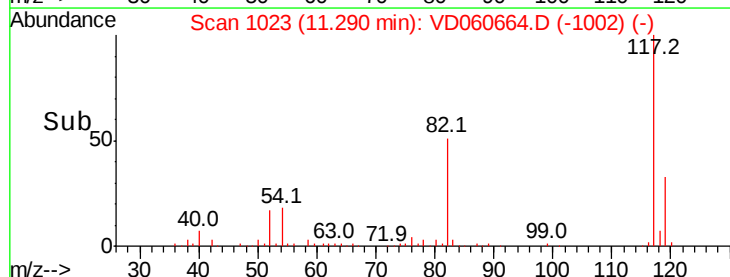
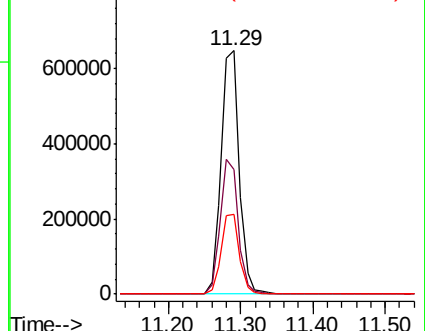
119 32.9 26.3 39.5

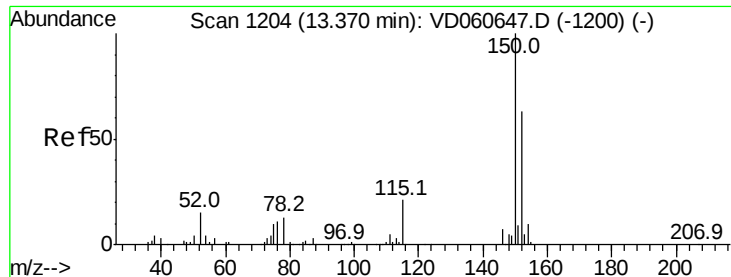


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



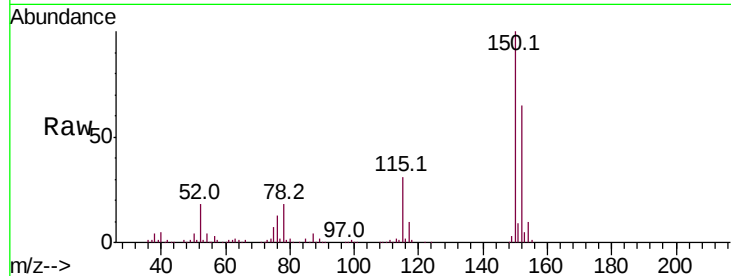


#72

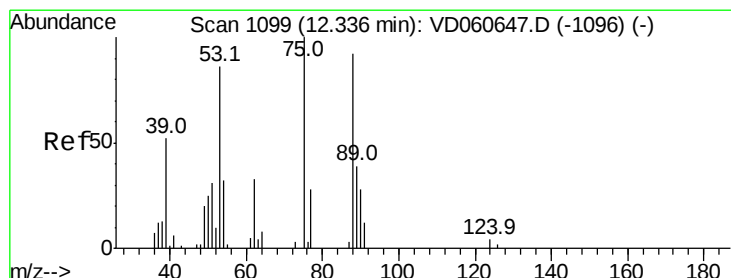
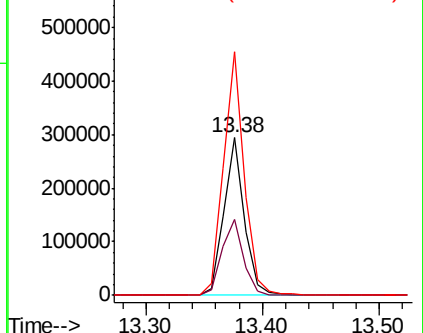
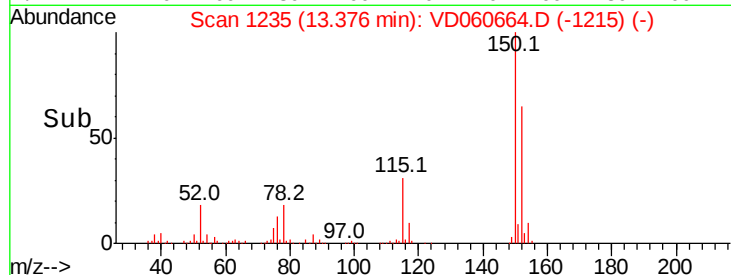
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VD060664.D
Acq: 20 Dec 2018 17:57

Instrument :
MSVOA_D
ClientSampleId :
SW-PROP-2

Tot Ion:152 Resp: 357272
Ion Ratio Lower Upper
152 100
115 48.2 24.1 72.3
150 154.4 0.0 315.0



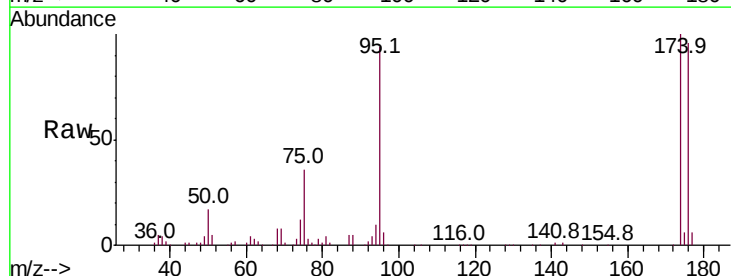
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 116.180 ug/l
RT: 12.43 min Scan# 1139
Delta R.T. 0.09 min
Lab File: VD060664.D
Acq: 20 Dec 2018 17:57

Tgt Ion: 75 Resp: 130580
Ion Ratio Lower Upper
75 100
53 0.0 72.1 108.1#
89 0.0 35.1 52.7#



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

