

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059642.D
 Acq On : 31 Jul 2018 2:27
 Operator : VA/AP
 Sample : J4210-01
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOPSOIL-072618

Quant Time: Jul 31 05:20:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

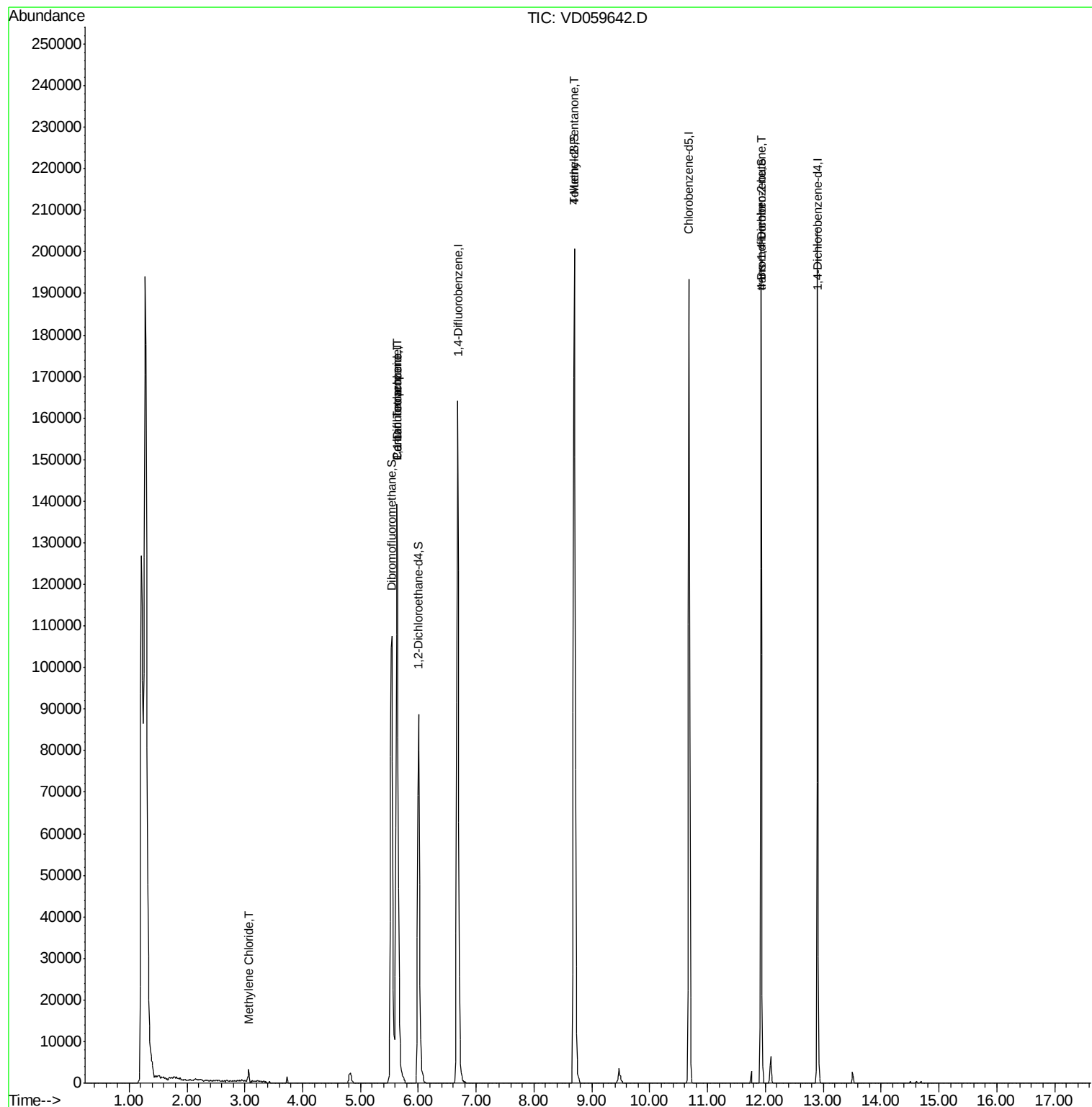
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	125116	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	160533	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	107683	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	42360	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	100174	63.69	ug/l	0.02
Spiked Amount 50.000			Recovery	=	127.38%	
35) Dibromofluoromethane	5.54	113	88275	64.10	ug/l	0.03
Spiked Amount 50.000			Recovery	=	128.20%	
50) Toluene-d8	8.70	98	158031	50.59	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.92	95	54530	38.75	ug/l	0.01
Spiked Amount 50.000			Recovery	=	77.50%	
Target Compounds						
20) Methylene Chloride	3.06	84	1140	1.68	ug/l #	63
31) Cyclohexane	5.63	56	2901	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	12407	7.70	ug/l #	43
38) Carbon Tetrachloride	5.63	117	12598	5.71	ug/l #	14
51) 4-Methyl-2-Pentanone	8.69	43	856	1.12	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	29963	167.30	ug/l #	1

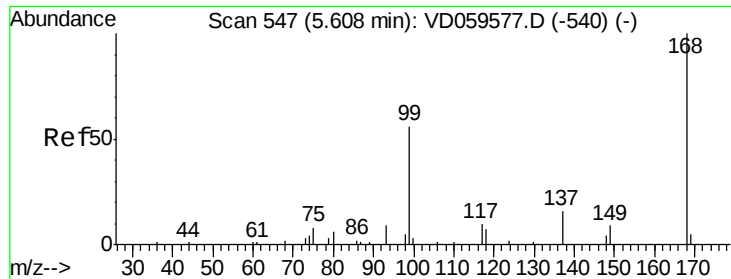
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073018\
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Quant Time: Jul 31 05:20:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059642.D

Acq: 31 Jul 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

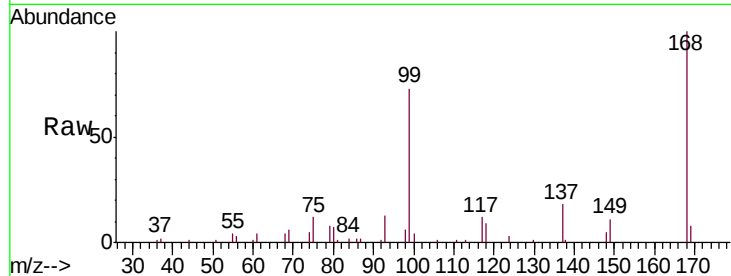
TOPSOIL-072618

Tot Ion:168 Resp: 125116

Ion Ratio Lower Upper

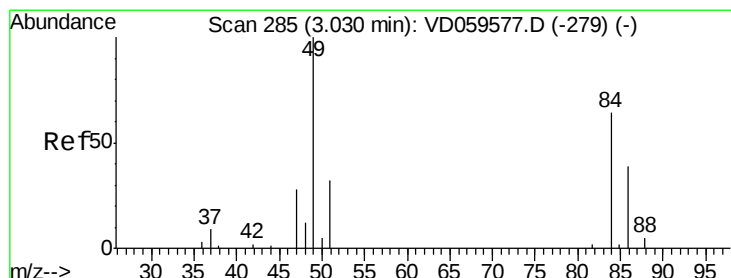
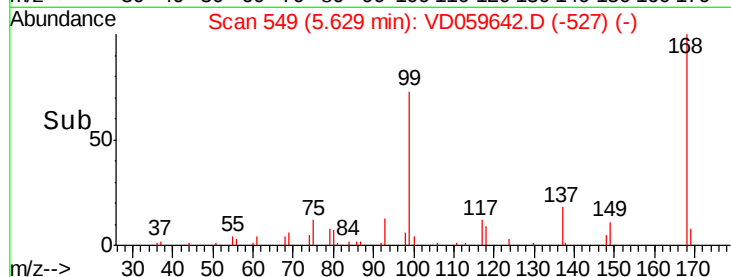
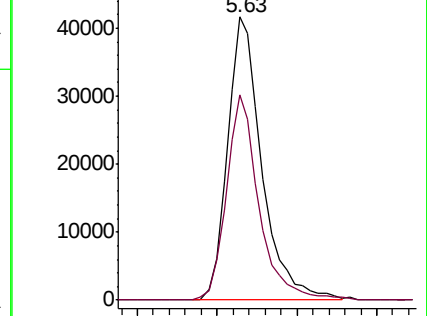
168 100

99 72.7 47.3 70.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 1.68 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.03 min

Lab File: VD059642.D

Acq: 31 Jul 2018 2:27

Tgt Ion: 84 Resp: 1140

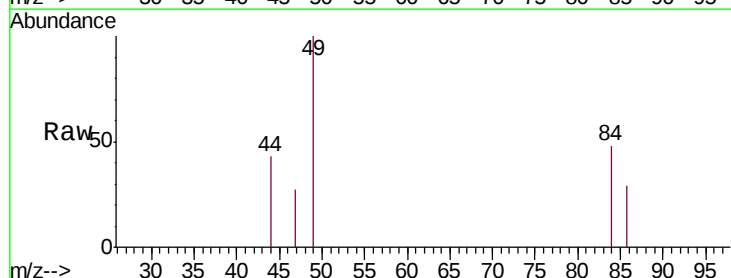
Ion Ratio Lower Upper

84 100

49 207.7 125.4 188.2#

51 0.0 39.7 59.5#

86 59.5 49.1 73.7

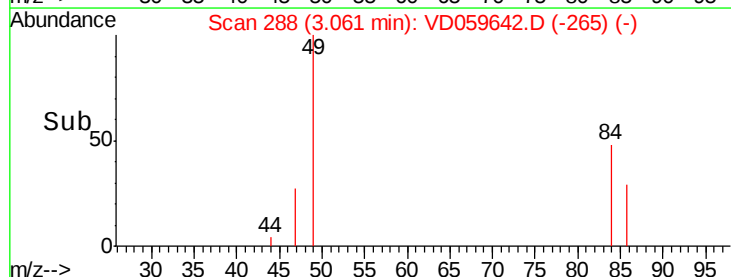
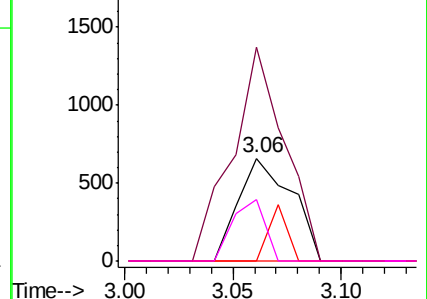


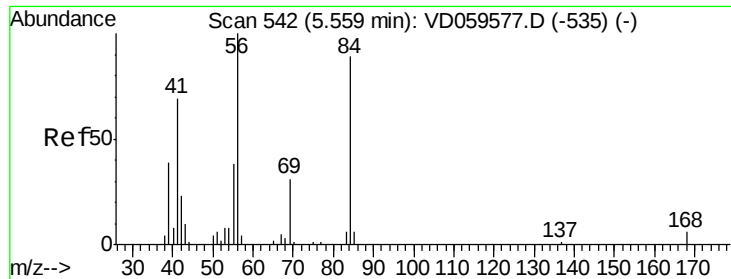
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

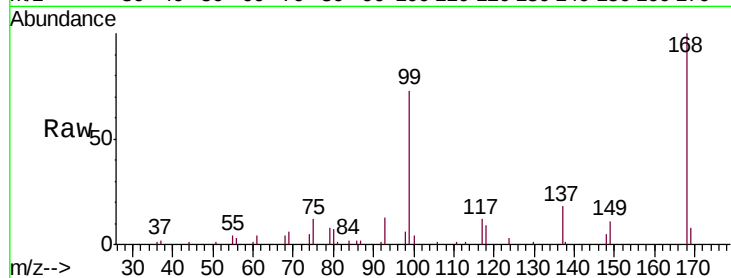




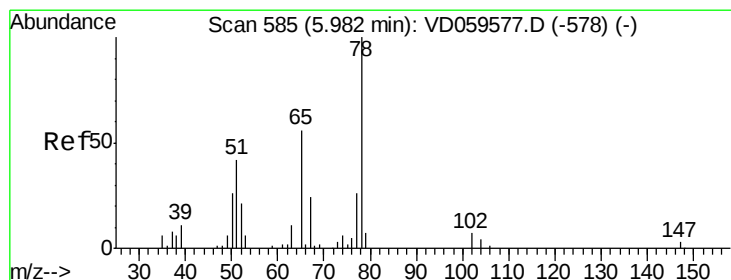
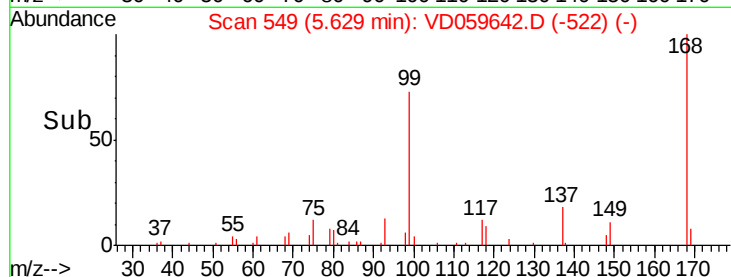
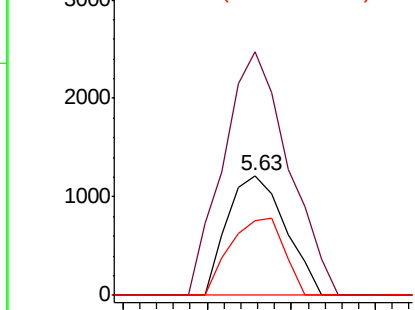
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.07 min
Lab File: VD059642.D
Acq: 31 Jul 2018 2:27

Instrument :
MSVOA_D
ClientSampleId :
TOPSOIL-072618

Tot Ion: 56 Resp: 2901
Ion Ratio Lower Upper
56 100
69 203.1 24.6 37.0#
84 62.7 72.7 109.1#

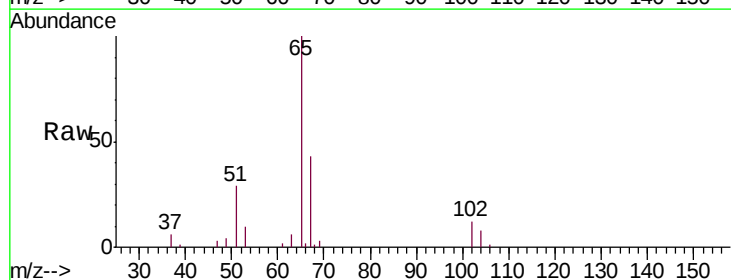


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

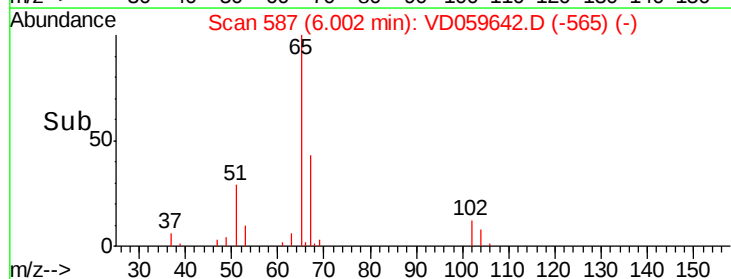
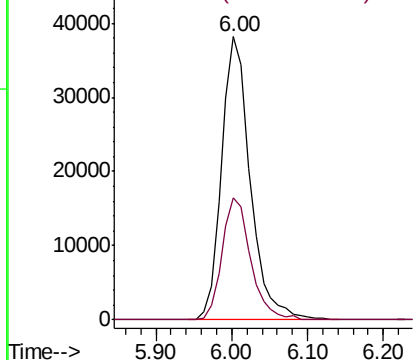


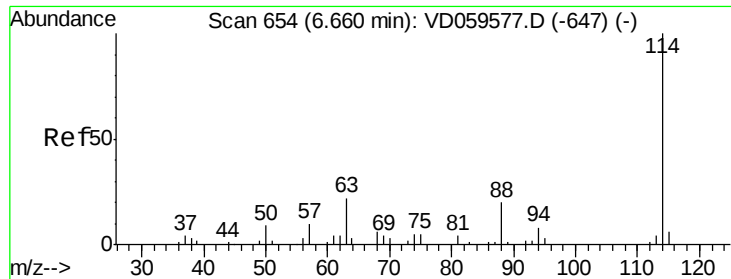
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.02 min
Lab File: VD059642.D
Acq: 31 Jul 2018 2:27

Tgt Ion: 65 Resp: 100174
Ion Ratio Lower Upper
65 100
67 43.4 0.0 86.4



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

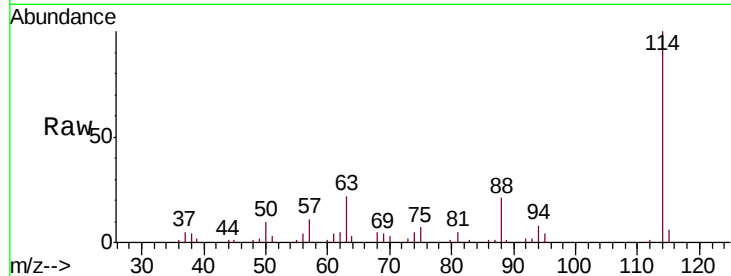




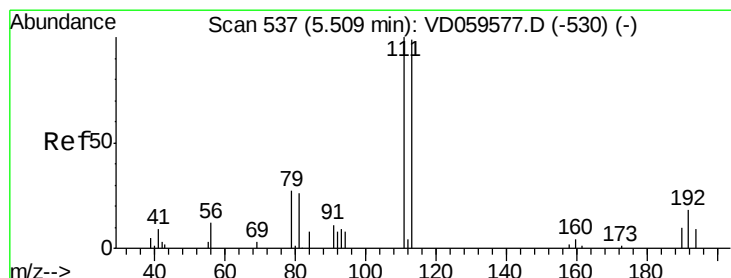
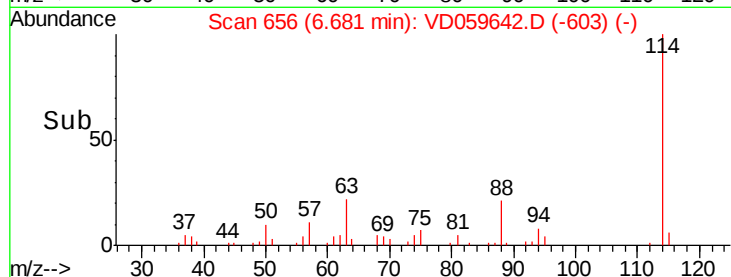
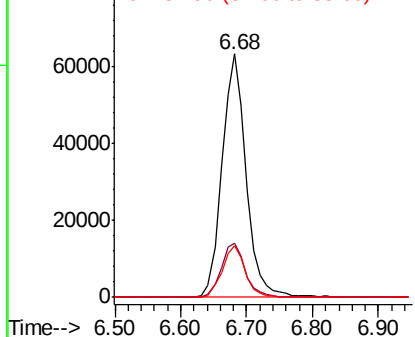
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VD059642.D
 Acq: 31 Jul 2018 2:27

Instrument :
 MSVOA_D
 ClientSampleId :
 TOPSOIL-072618

Tot Ion:114 Resp: 160533
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 21.1 0.0 39.0

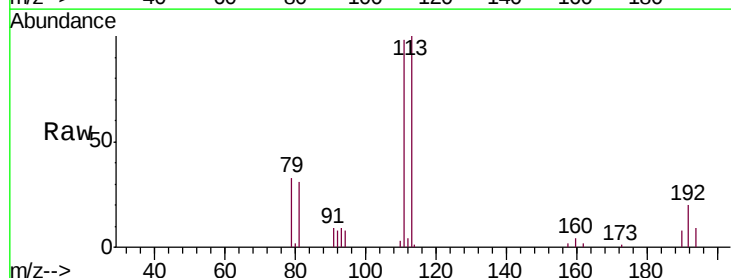


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

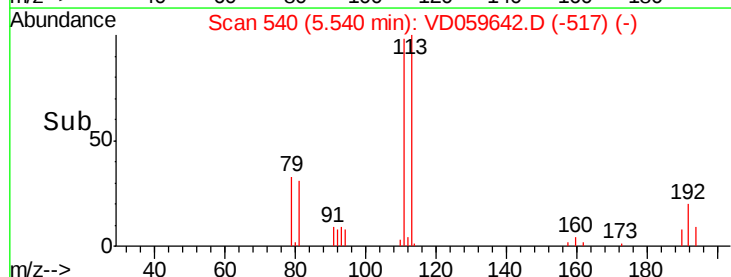
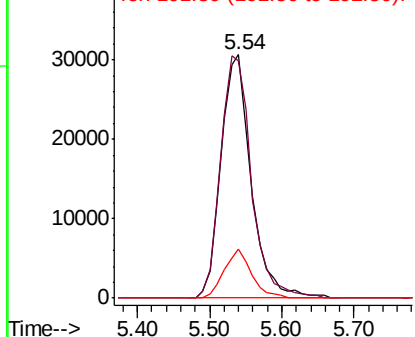


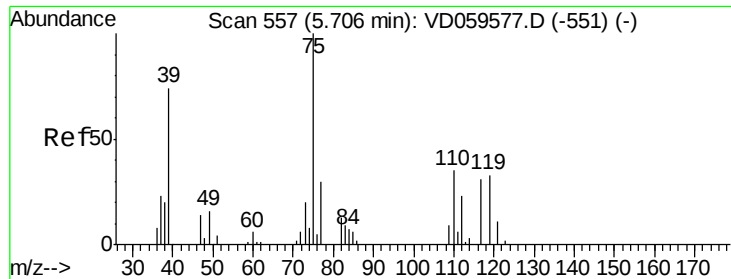
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.03 min
 Lab File: VD059642.D
 Acq: 31 Jul 2018 2:27

Tgt Ion:113 Resp: 88275
 Ion Ratio Lower Upper
 113 100
 111 97.7 80.5 120.7
 192 19.9 14.5 21.7



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: 7.70 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.08 min

Lab File: VD059642.D

Acq: 31 Jul 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

TOPSOIL-072618

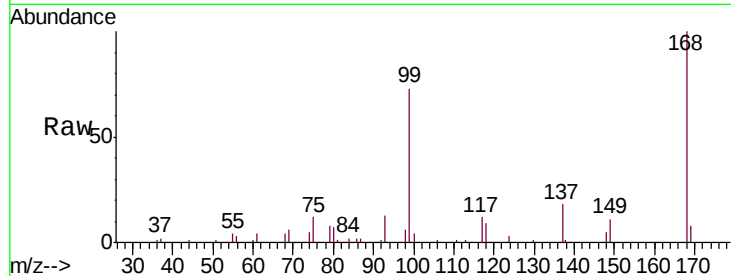
Tot Ion: 75 Resp: 12407

Ion Ratio Lower Upper

75 100

110 0.0 17.0 50.9#

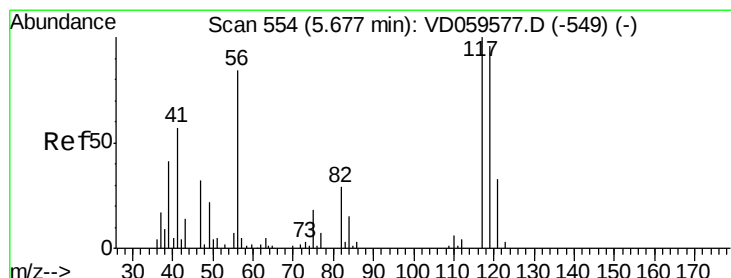
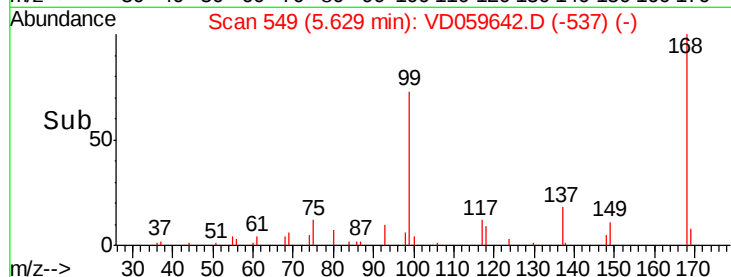
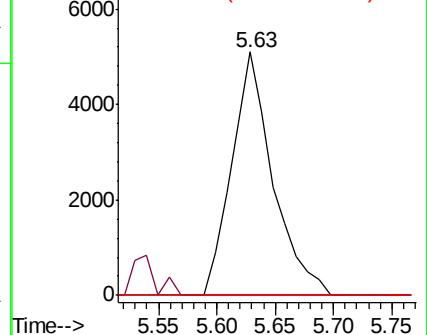
77 0.0 23.6 35.4#



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: 5.71 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.05 min

Lab File: VD059642.D

Acq: 31 Jul 2018 2:27

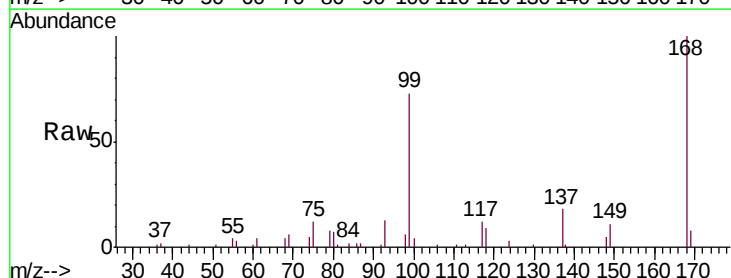
Tgt Ion: 117 Resp: 12598

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

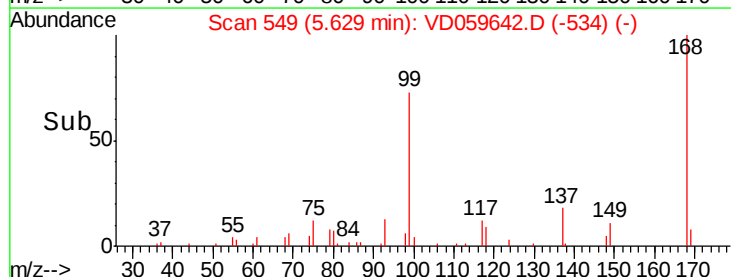
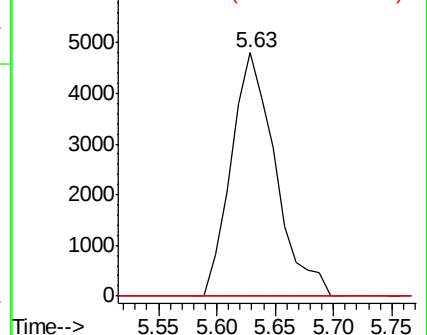
121 0.0 25.0 37.6#

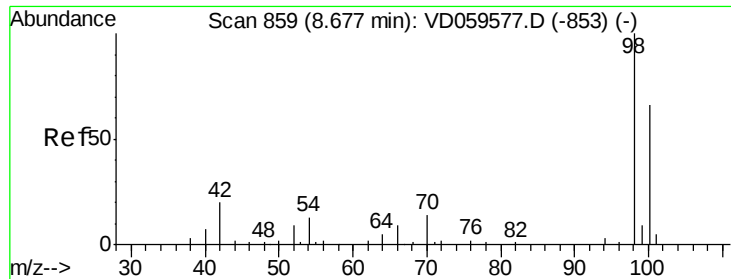


Abundance Ion 116.85 (116.55 to 117.55): V

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: 8.70 min Scan# 861

Delta R.T. 0.02 min

Lab File: VD059642.D

Acq: 31 Jul 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

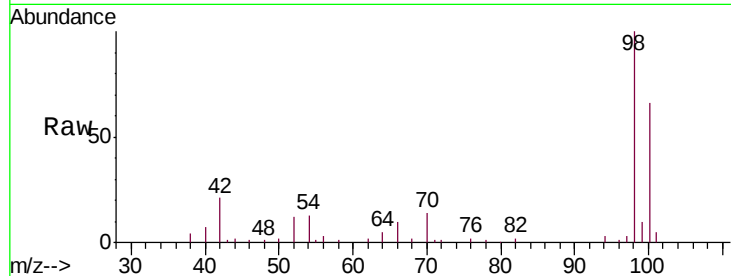
TOPSOIL-072618

Tot Ion: 98 Resp: 158031

Ion Ratio Lower Upper

98 100

100 66.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.70

60000

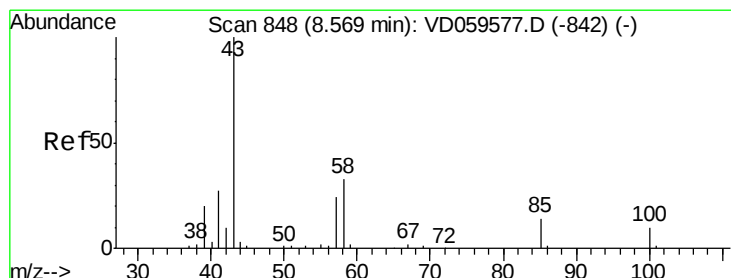
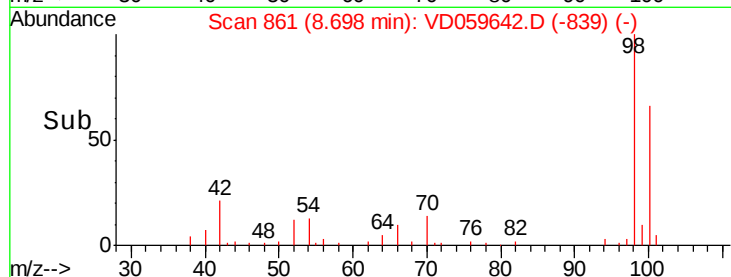
40000

20000

0

8.60 8.70 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.12 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.12 min

Lab File: VD059642.D

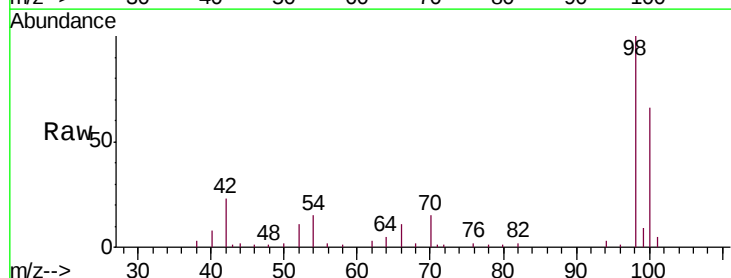
Acq: 31 Jul 2018 2:27

Tgt Ion: 43 Resp: 856

Ion Ratio Lower Upper

43 100

58 143.7 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.69

800

600

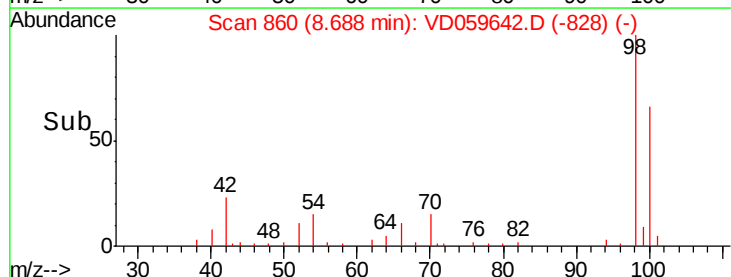
400

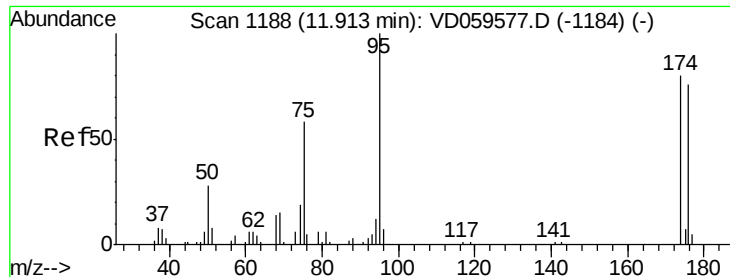
200

0

8.65 8.70

Time-->

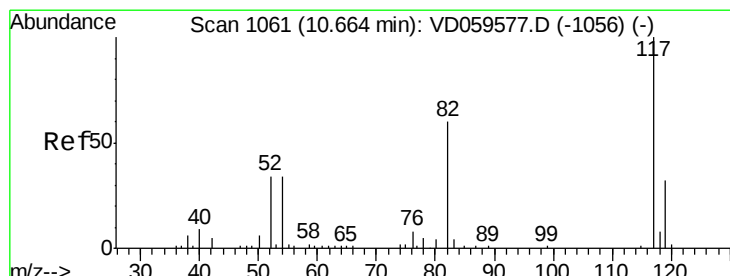
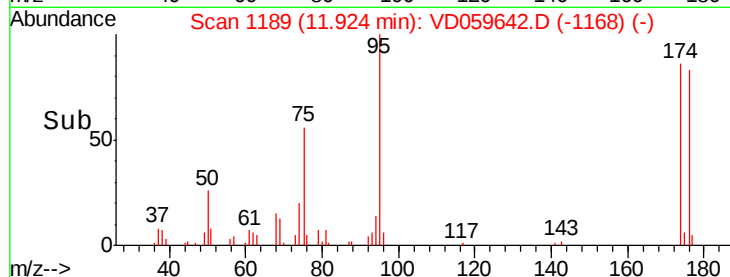
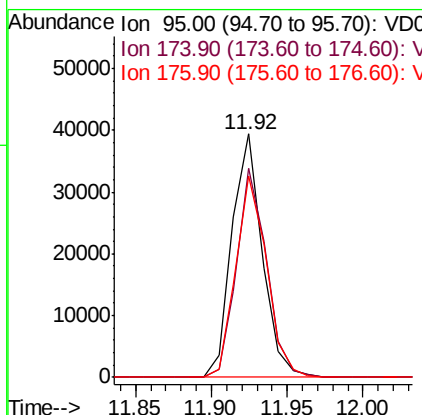
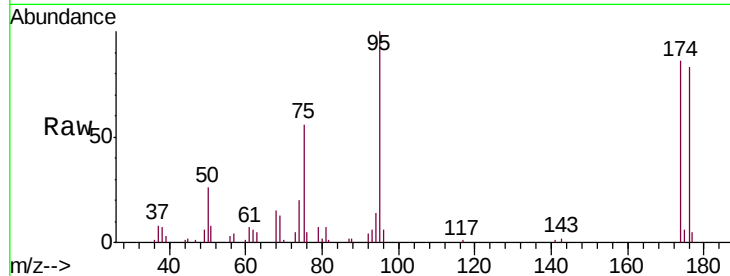




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD059642.D
Acq: 31 Jul 2018 2:27

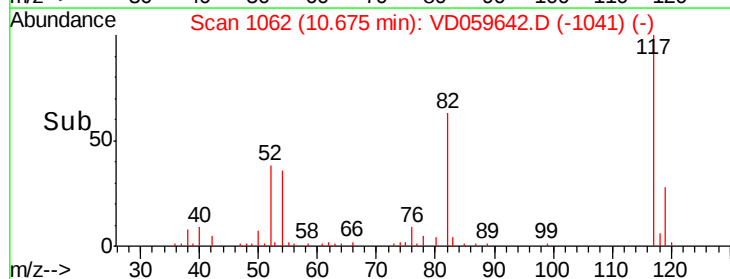
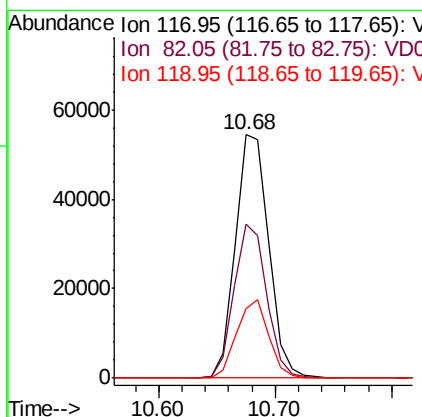
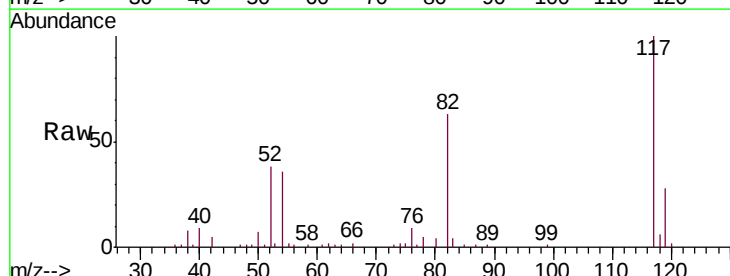
Instrument :
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TOPSOIL-072618

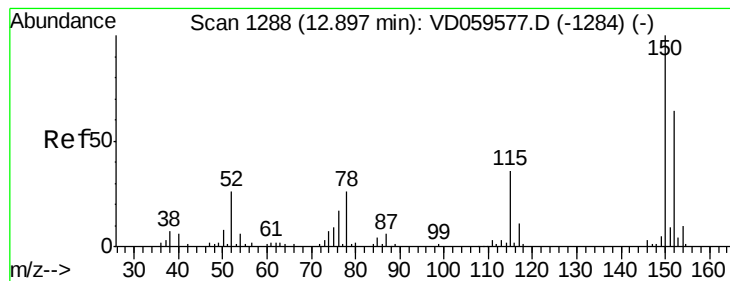
Tot Ion: 95 Resp: 54530
Ion Ratio Lower Upper
95 100
174 85.8 0.0 160.6
176 82.6 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059642.D
Acq: 31 Jul 2018 2:27

Tgt Ion: 117 Resp: 107683
Ion Ratio Lower Upper
117 100
82 63.2 48.2 72.2
119 28.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VD059642.D

Acq: 31 Jul 2018 2:27

Instrument :

MSVOA_D

ClientSampleId :

TOPSOIL-072618

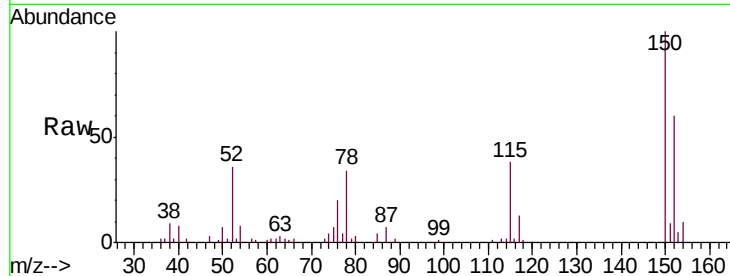
Tot Ion:152 Resp: 42360

Ion Ratio Lower Upper

152 100

115 63.5 29.5 88.6

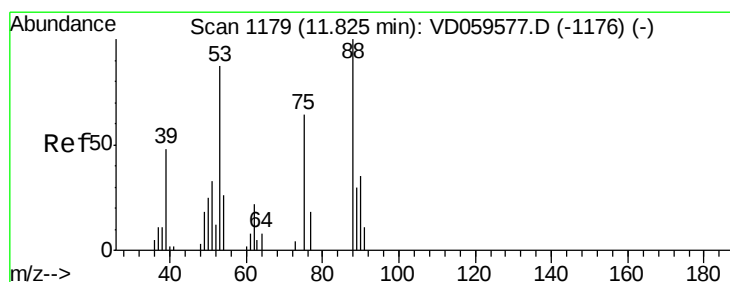
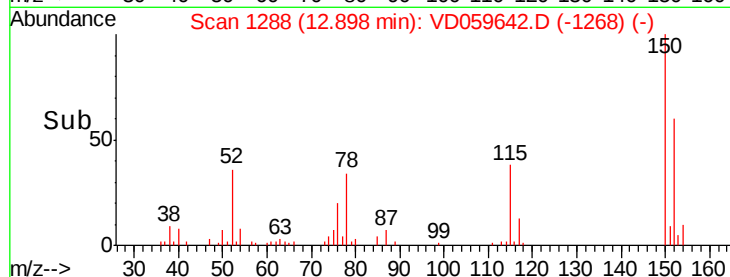
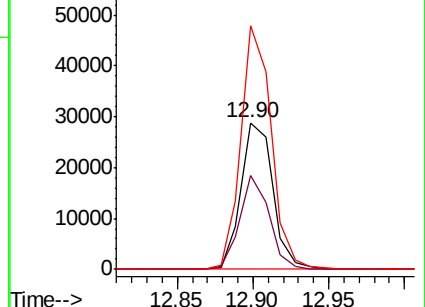
150 165.8 0.0 314.4



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: 167.30 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.10 min

Lab File: VD059642.D

Acq: 31 Jul 2018 2:27

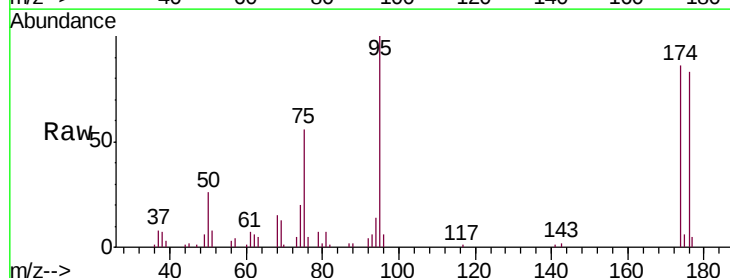
Tgt Ion: 75 Resp: 29963

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



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

