

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063354.D
 Acq On : 3 Aug 2019 11:50
 Operator : VA/AP
 Sample : VD0803SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBL01

Quant Time: Aug 04 06:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1100107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1522548	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1294578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	621516	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	528622	43.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.62%	
35) Dibromofluoromethane	6.92	113	623435	47.96	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.41	98	1355782	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	13.56	95	591679	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	

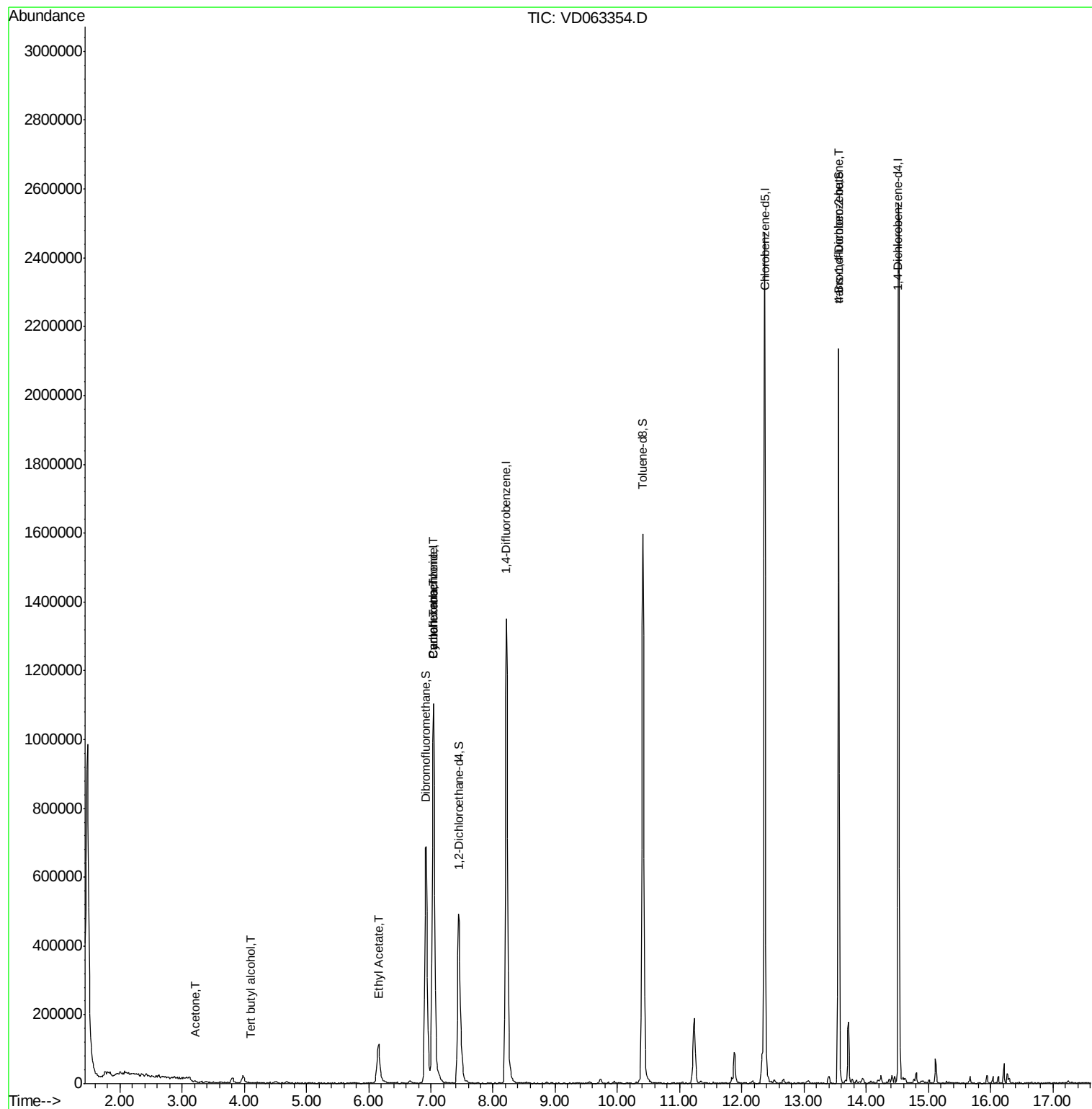
Target Compounds						Qvalue
11) Tert butyl alcohol	4.12	59	732	1.366	ug/l #	69
16) Acetone	3.21	43	5092	2.141	ug/l #	62
31) Cyclohexane	7.03	56	24973	2.297	ug/l #	27
37) Ethyl Acetate	6.17	43	10414	1.668	ug/l #	20
38) Carbon Tetrachloride	7.04	117	109328	5.226	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.56	75	269418	129.969	ug/l #	3

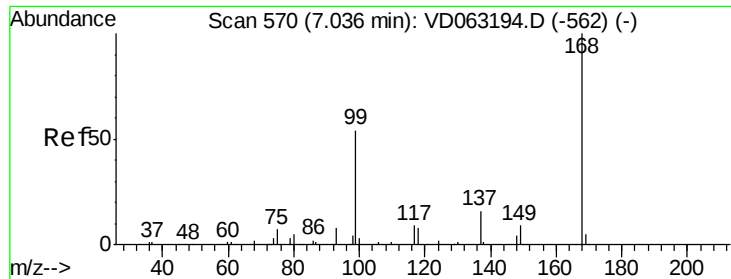
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

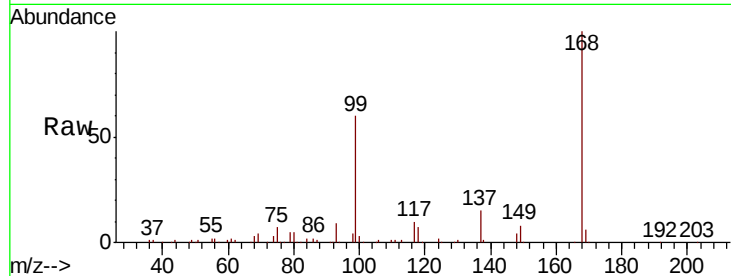
VD0803SBL01

Tgt Ion:168 Resp: 1100107

Ion Ratio Lower Upper

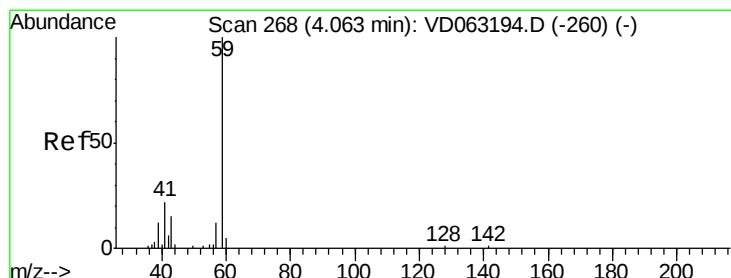
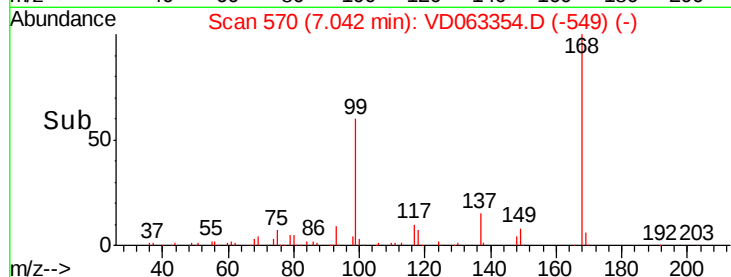
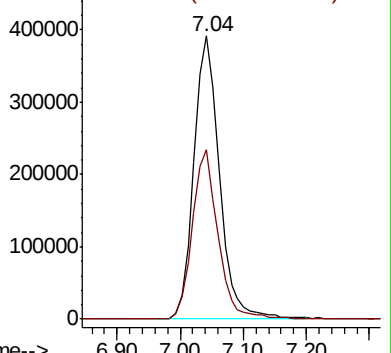
168 100

99 60.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.366 ug/l

RT: 4.12 min Scan# 273

Delta R.T. 0.05 min

Lab File: VD063354.D

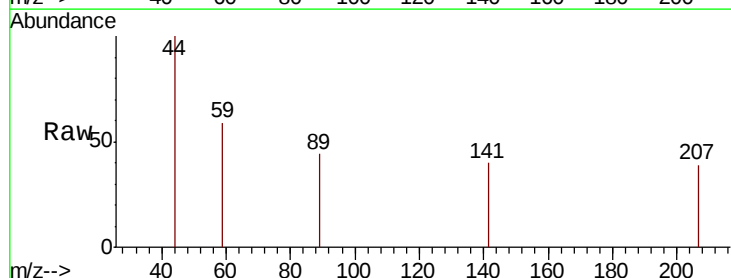
Acq: 3 Aug 2019 11:50

Tgt Ion: 59 Resp: 732

Ion Ratio Lower Upper

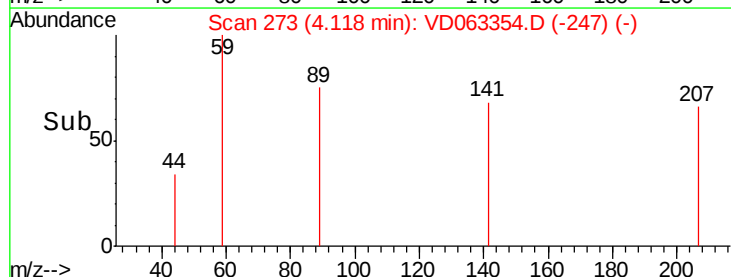
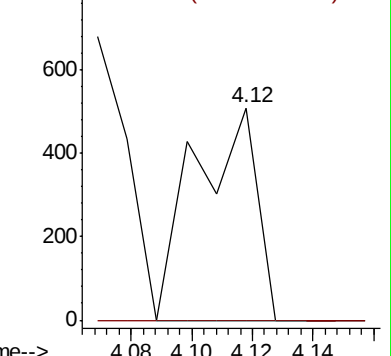
59 100

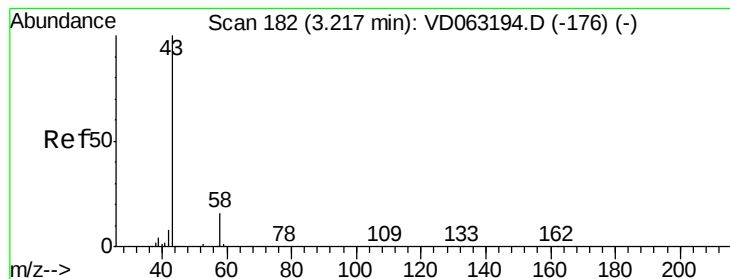
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 2.141 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

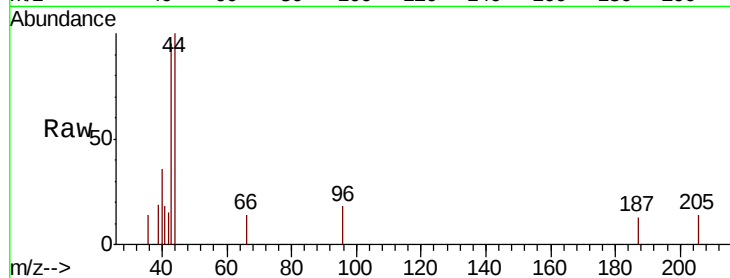
VD0803SBL01

Tgt Ion: 43 Resp: 5092

Ion Ratio Lower Upper

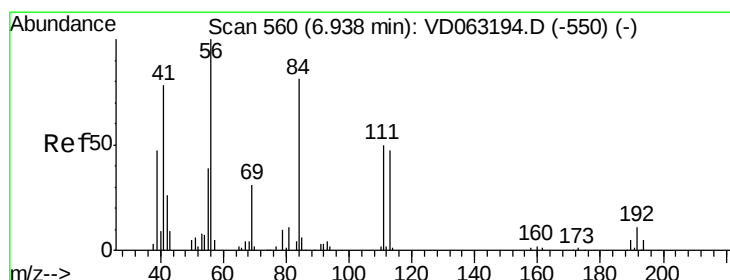
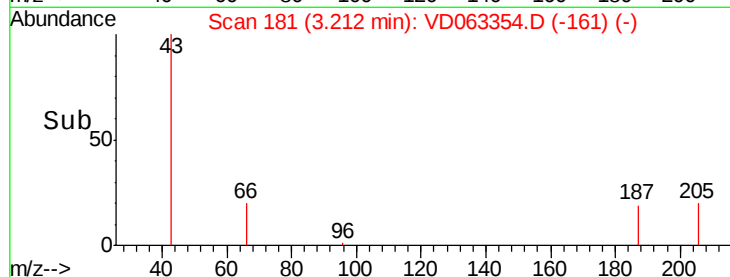
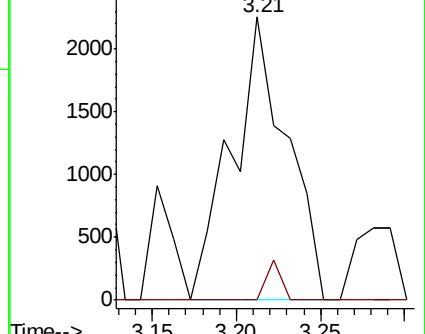
43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 2.297 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

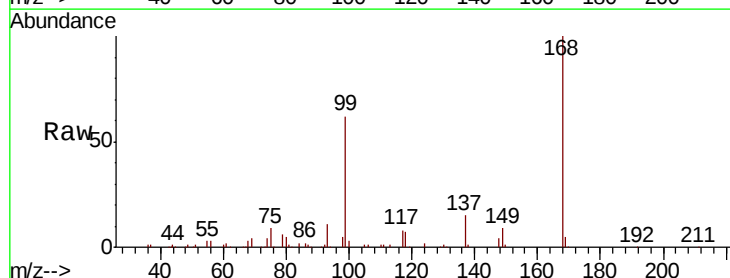
Tgt Ion: 56 Resp: 24973

Ion Ratio Lower Upper

56 100

69 175.3 24.5 36.7#

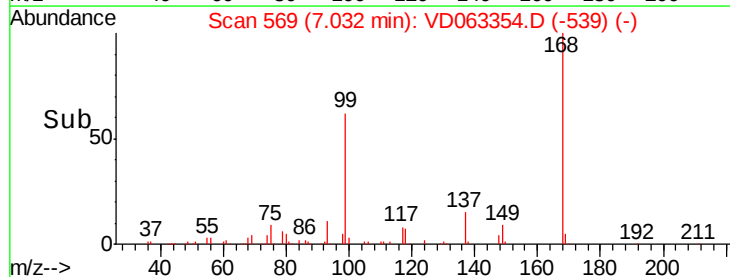
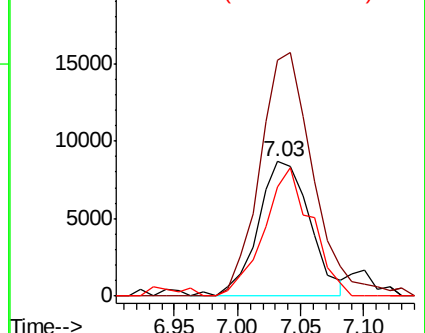
84 81.4 64.9 97.3

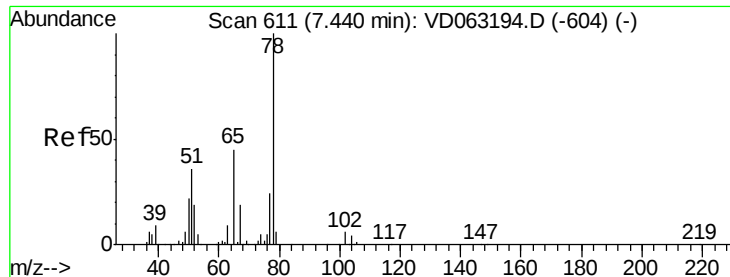


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 43.306 ug/l

RT: 7.45 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

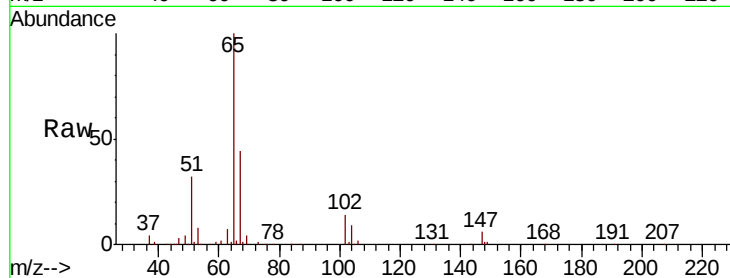
VD0803SBL01

Tgt Ion: 65 Resp: 528622

Ion Ratio Lower Upper

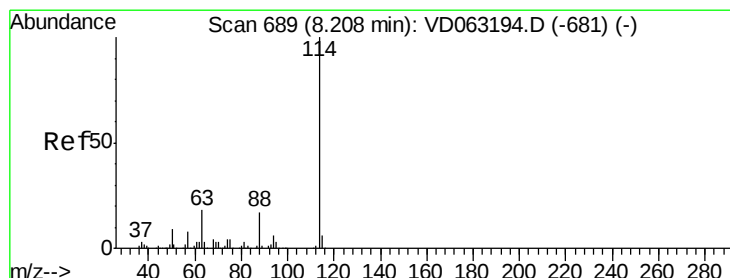
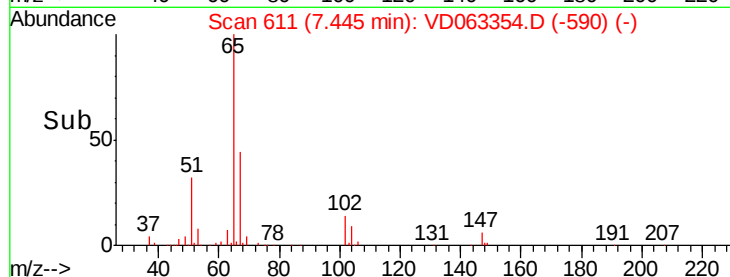
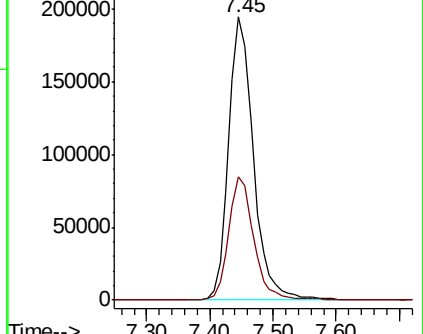
65 100

67 43.8 0.0 85.8



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: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

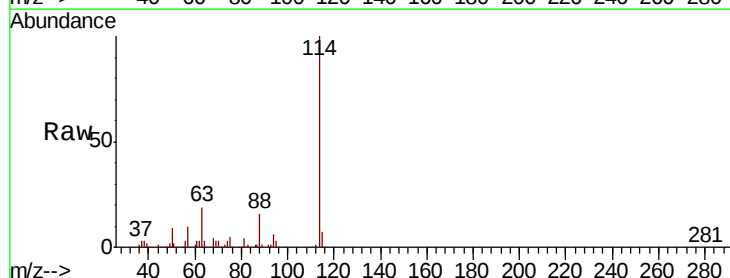
Tgt Ion: 114 Resp: 1522548

Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.2

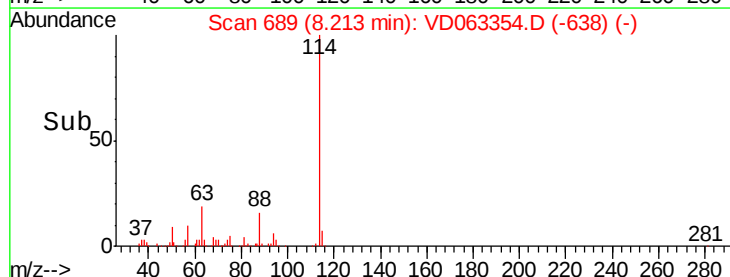
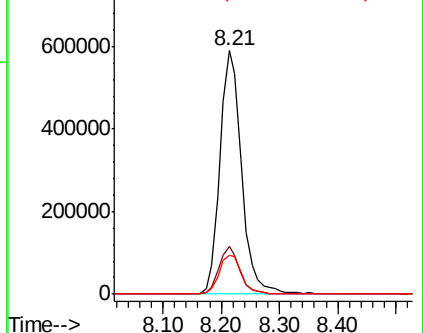
88 16.0 0.0 34.6

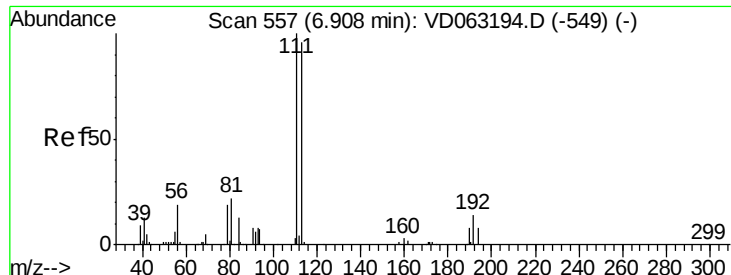


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

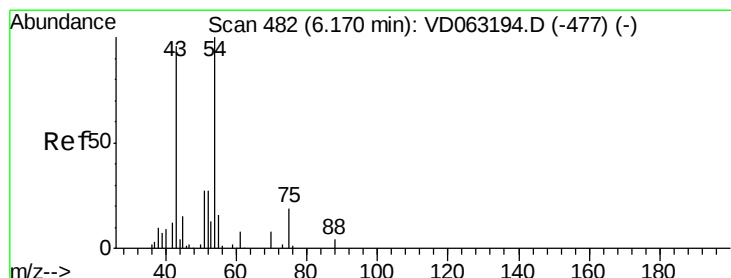
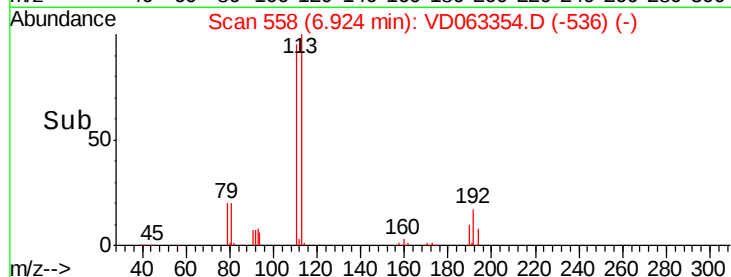
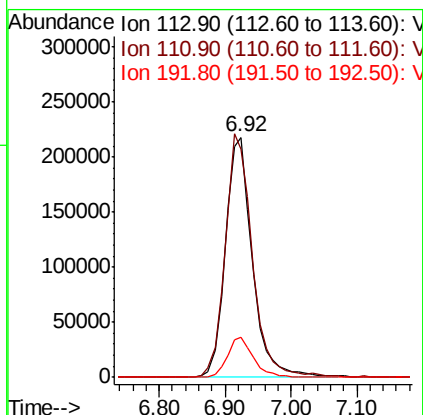
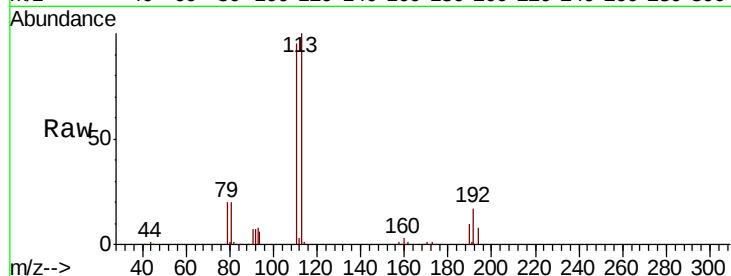




#35
Dibromofluoromethane
Concen: 47.959 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.02 min
Lab File: VD063354.D
Acq: 3 Aug 2019 11:50

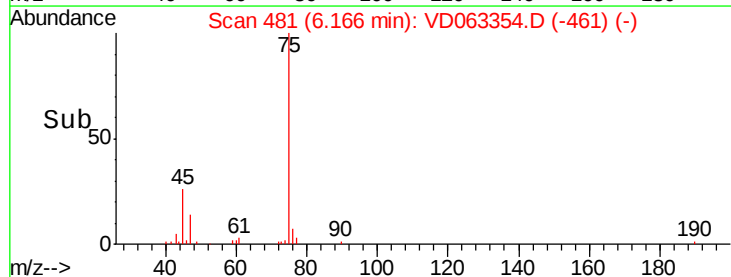
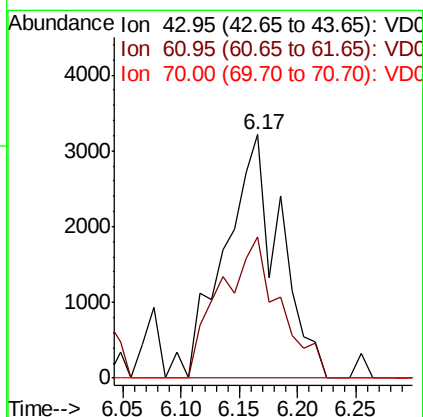
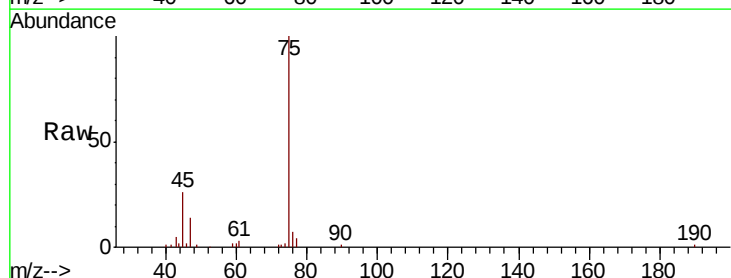
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBL01

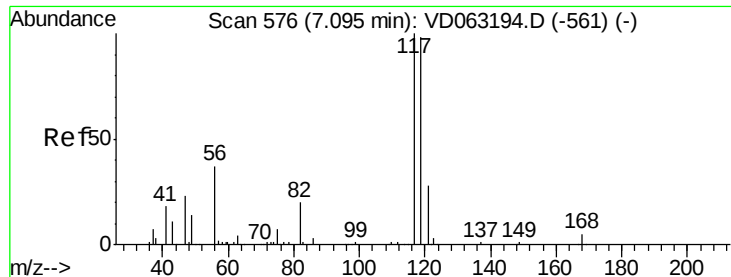
Tgt Ion:113 Resp: 623435
Ion Ratio Lower Upper
113 100
111 94.9 83.2 124.8
192 16.6 11.8 17.8



#37
Ethyl Acetate
Concen: 1.668 ug/l
RT: 6.17 min Scan# 481
Delta R.T. -0.00 min
Lab File: VD063354.D
Acq: 3 Aug 2019 11:50

Tgt Ion: 43 Resp: 10414
Ion Ratio Lower Upper
43 100
61 58.2 11.3 16.9#
70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.226 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBL01

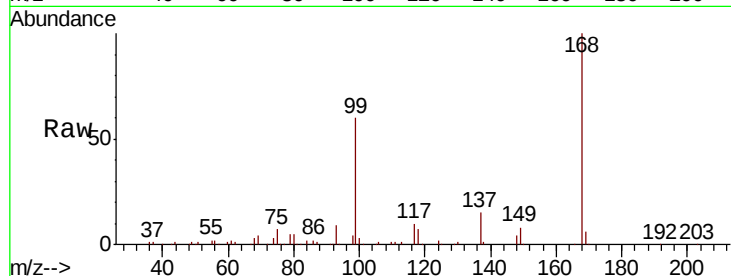
Tgt Ion:117 Resp: 109328

Ion Ratio Lower Upper

117 100

119 2.5 78.2 117.2#

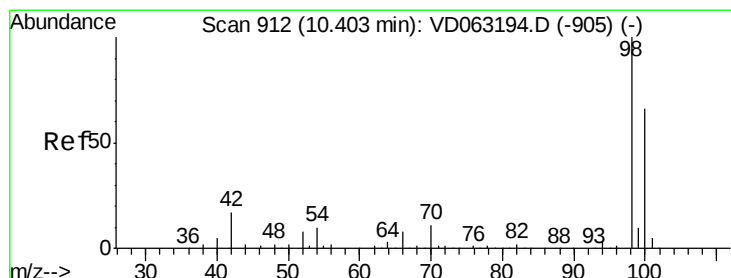
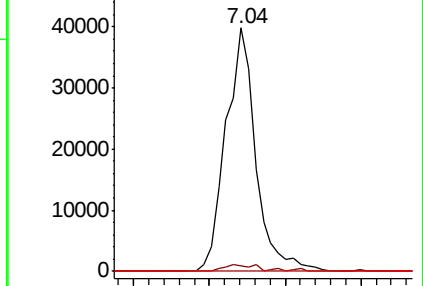
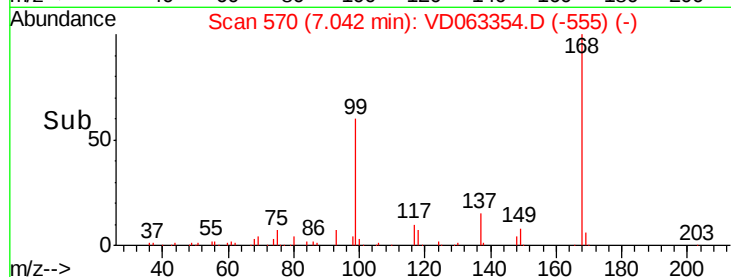
121 0.0 22.1 33.1#



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: 46.603 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063354.D

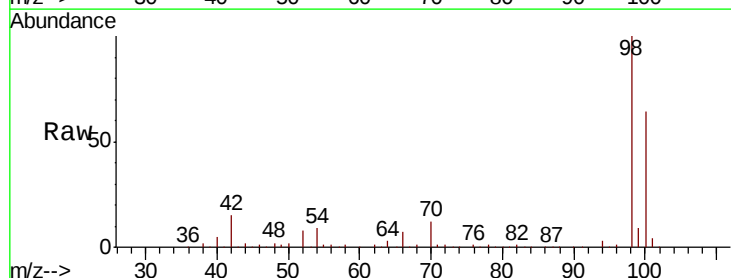
Acq: 3 Aug 2019 11:50

Tgt Ion: 98 Resp: 1355782

Ion Ratio Lower Upper

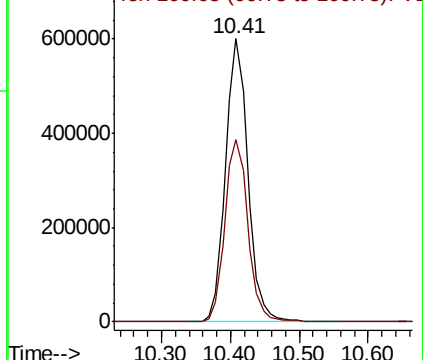
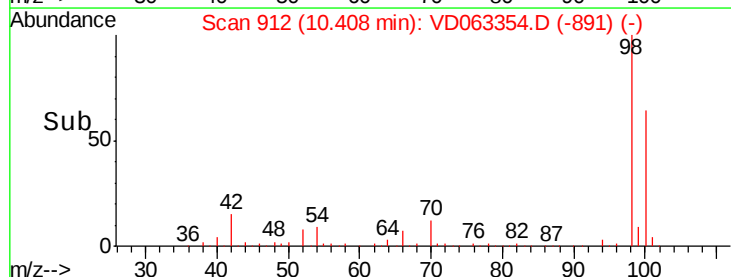
98 100

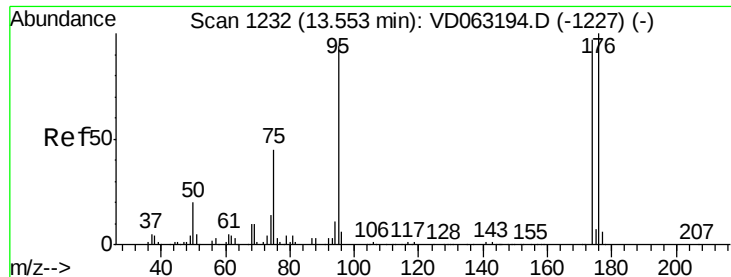
100 64.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 44.630 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBL01

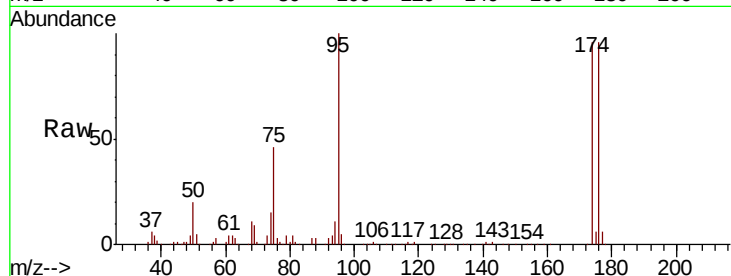
Tgt Ion: 95 Resp: 591679

Ion Ratio Lower Upper

95 100

174 96.2 0.0 205.4

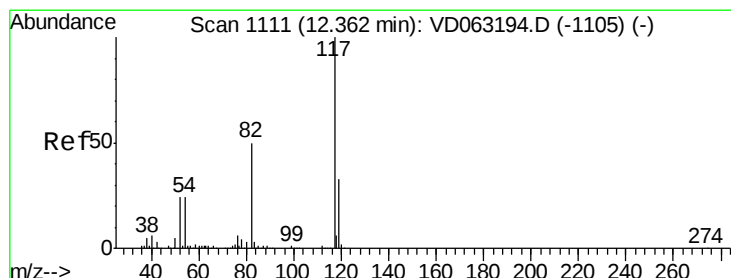
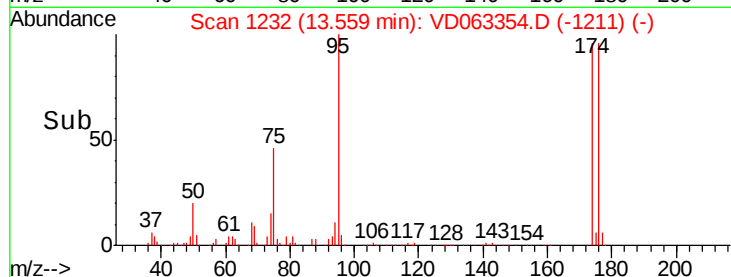
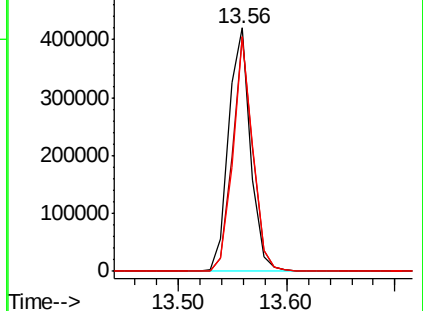
176 96.2 0.0 211.8



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# 1111

Delta R.T. 0.01 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

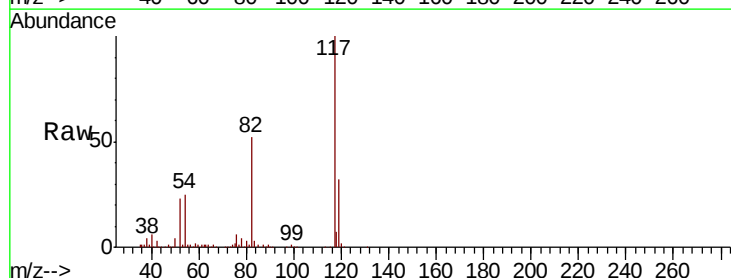
Tgt Ion: 117 Resp: 1294578

Ion Ratio Lower Upper

117 100

82 51.9 40.1 60.1

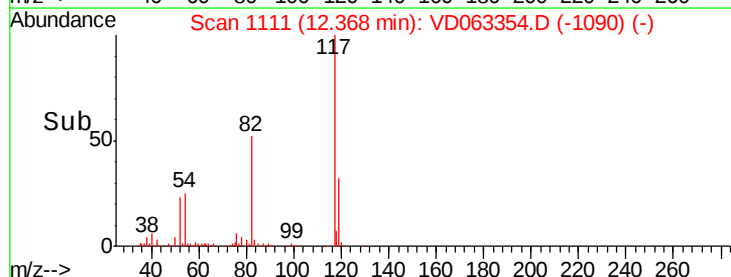
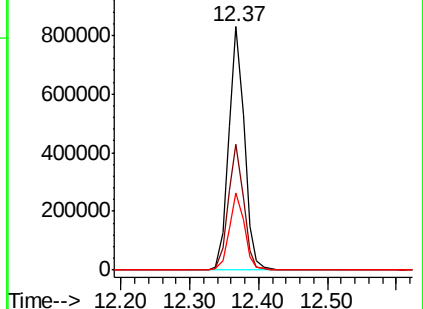
119 31.6 26.5 39.7

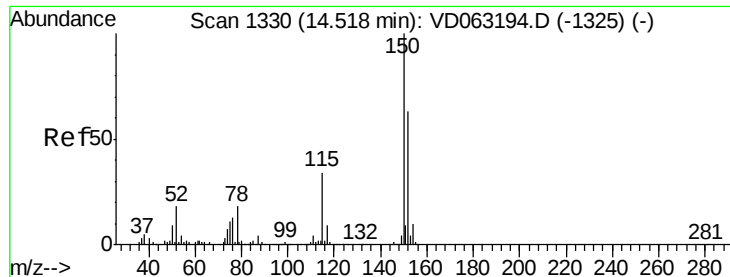


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.01 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBL01

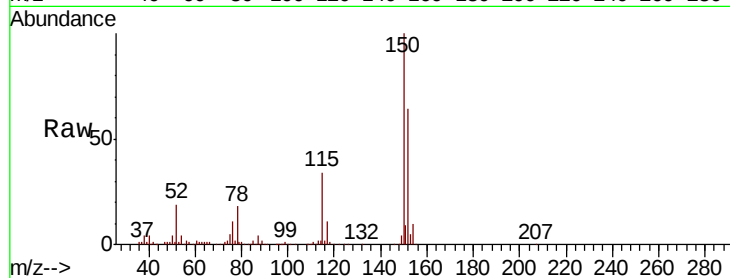
Tgt Ion: 152 Resp: 621516

Ion Ratio Lower Upper

152 100

115 54.0 27.5 82.4

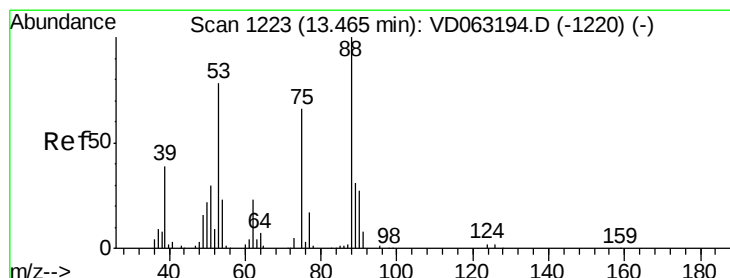
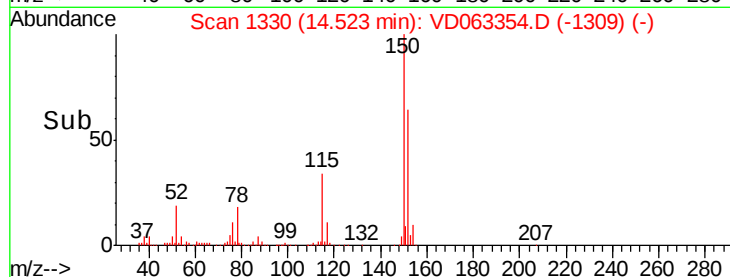
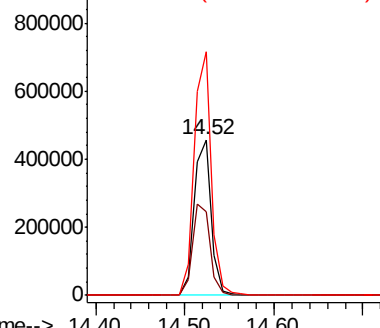
150 156.5 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 129.969 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063354.D

Acq: 3 Aug 2019 11:50

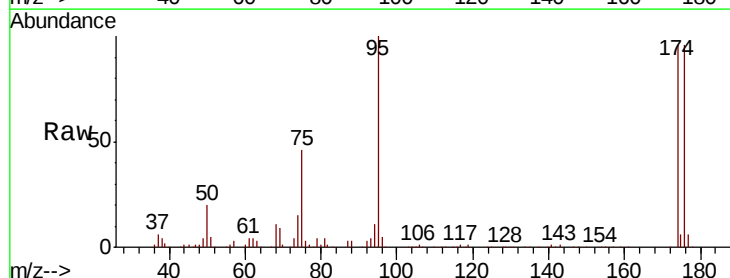
Tgt Ion: 75 Resp: 269418

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

