

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063009.D
 Acq On : 2 Jul 2019 18:22
 Operator : VA/AP
 Sample : K3602-03
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-3

Quant Time: Jul 03 00:58:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1043979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1309998	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1149163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	585324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	394053	34.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.44%	
35) Dibromofluoromethane	6.94	113	472613	42.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.58%	
50) Toluene-d8	10.42	98	1022665	42.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.08%	
62) 4-Bromofluorobenzene	13.56	95	430220	39.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.72%	

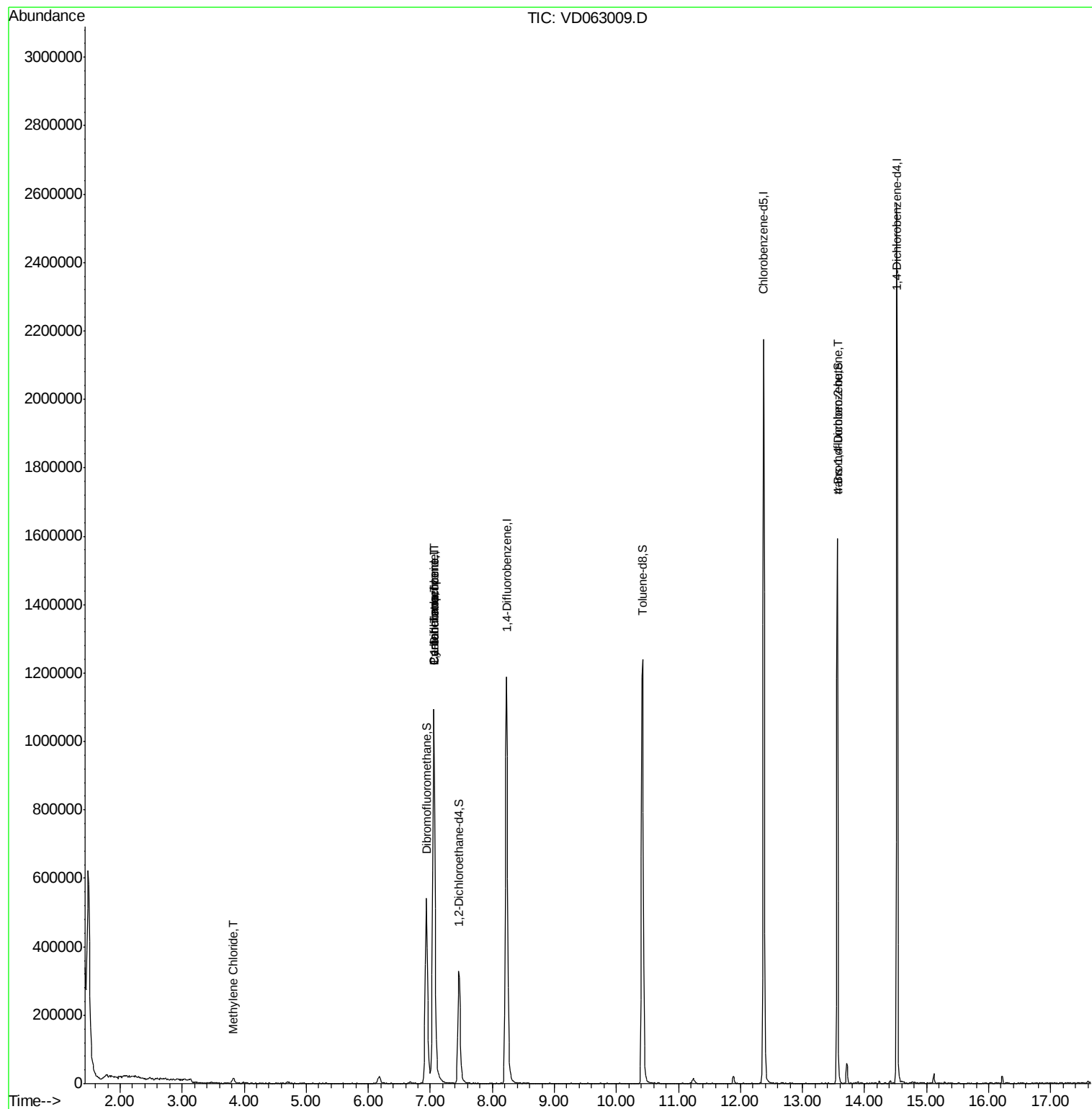
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	3310	Below Cal	#	64
20) Methylene Chloride	3.82	84	8961	1.035	ug/l #	76
31) Cyclohexane	7.06	56	22251	2.088	ug/l #	23
36) 1,1-Dichloropropene	7.06	75	74925	6.042	ug/l #	57
37) Ethyl Acetate	6.19	43	1196	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	99288	5.324	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	196635	111.034	ug/l #	2

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063009.D

Acq: 2 Jul 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

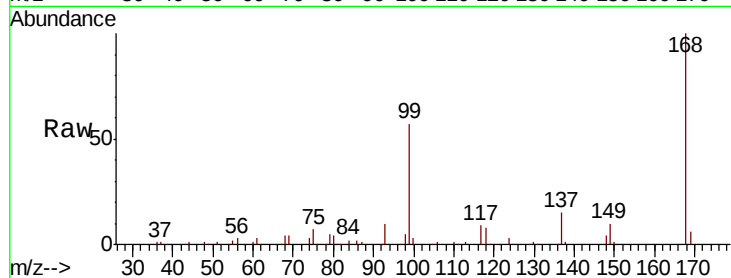
GP-3

Tot Ion:168 Resp: 1043979

Ion Ratio Lower Upper

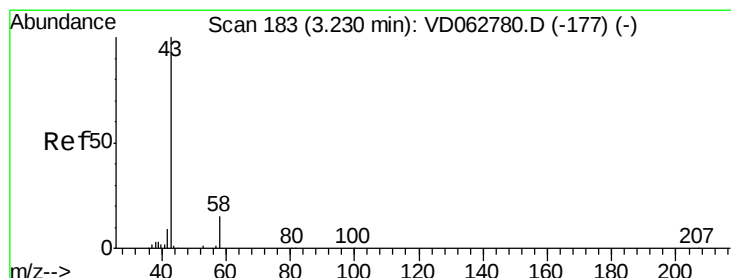
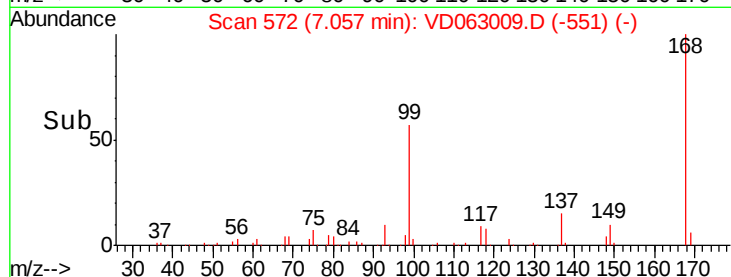
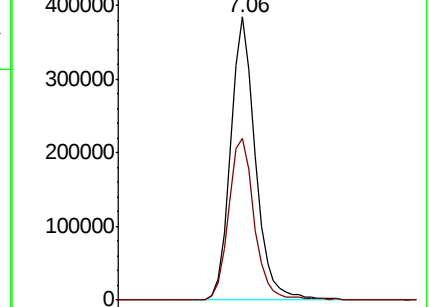
168 100

99 57.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: Below Cal

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063009.D

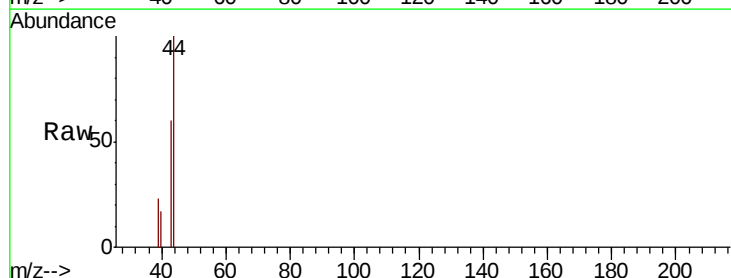
Acq: 2 Jul 2019 18:22

Tgt Ion: 43 Resp: 3310

Ion Ratio Lower Upper

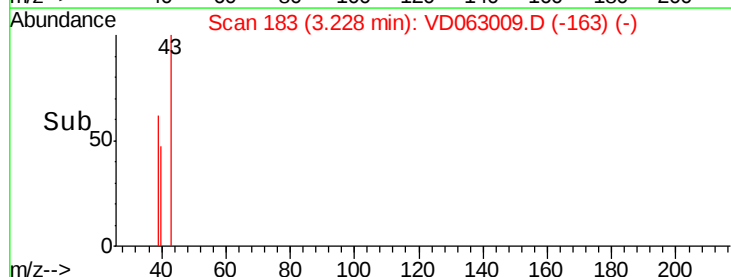
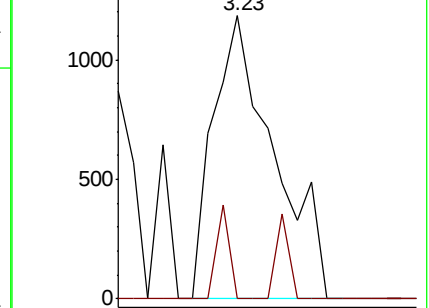
43 100

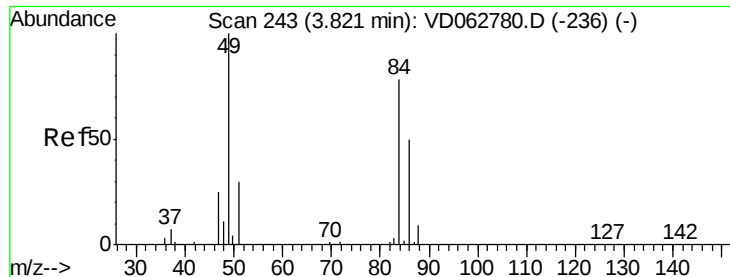
58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

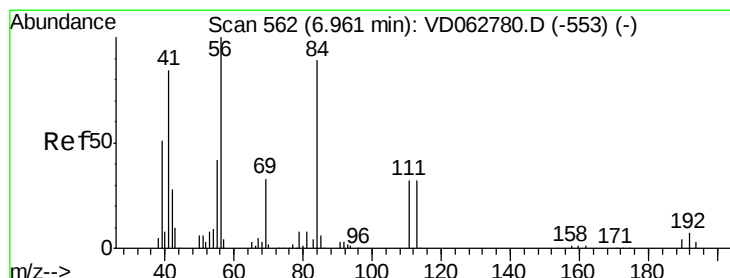
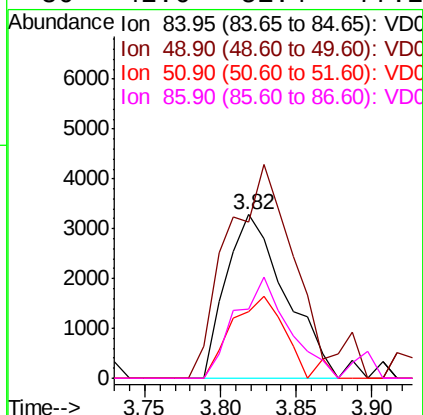
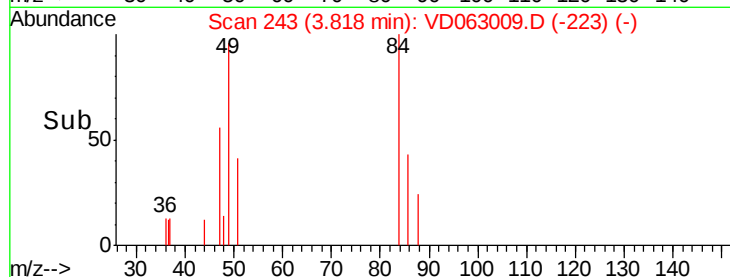
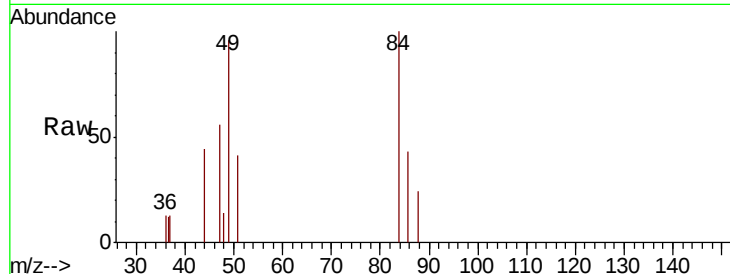




#20
Methvlene Chloride
Concen: 1.035 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063009.D
Acq: 2 Jul 2019 18:22

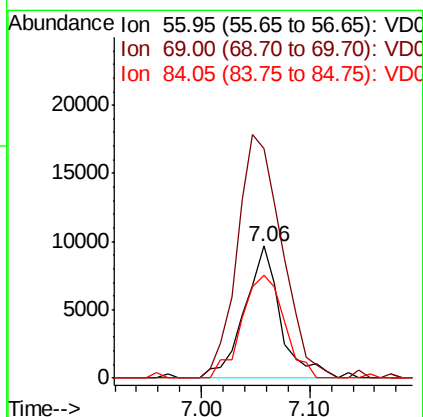
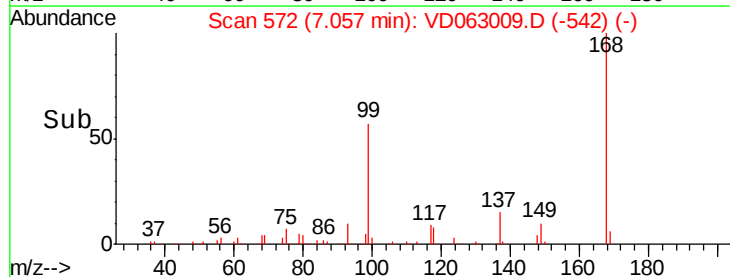
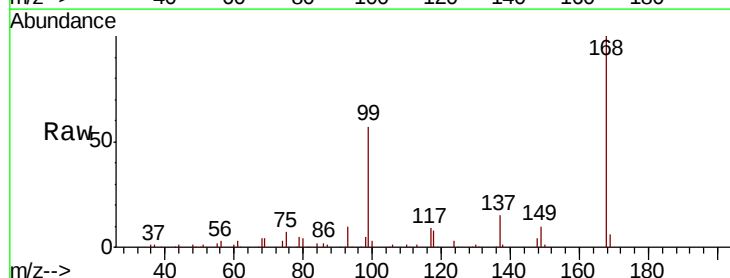
Instrument :
MSVOA_D
ClientSampleId :
GP-3

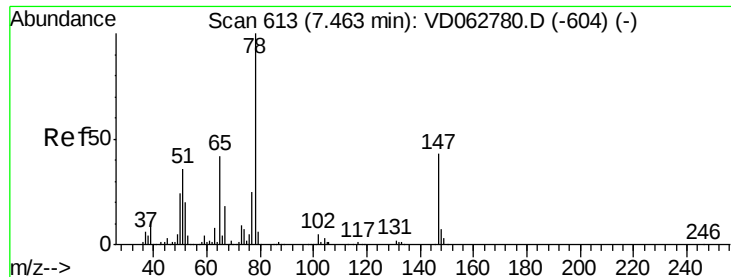
Tot Ion: 84 Resp: 8961
Ion Ratio Lower Upper
84 100
49 95.8 102.9 154.3#
51 40.6 31.2 46.8
86 42.6 51.4 77.2#



#31
Cyclohexane
Concen: 2.088 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD063009.D
Acq: 2 Jul 2019 18:22

Tgt Ion: 56 Resp: 22251
Ion Ratio Lower Upper
56 100
69 174.6 26.6 39.8#
84 78.2 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 34.725 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063009.D

Acq: 2 Jul 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

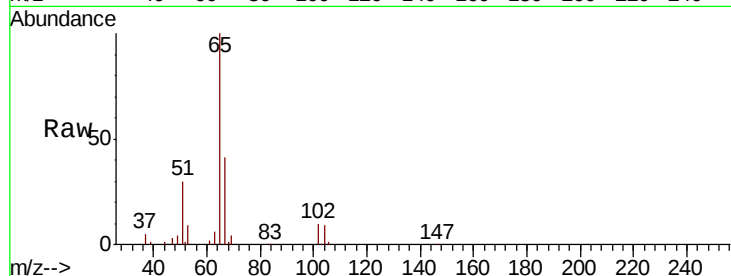
GP-3

Tot Ion: 65 Resp: 394053

Ion Ratio Lower Upper

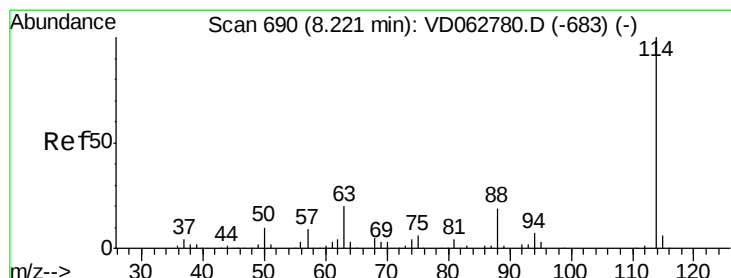
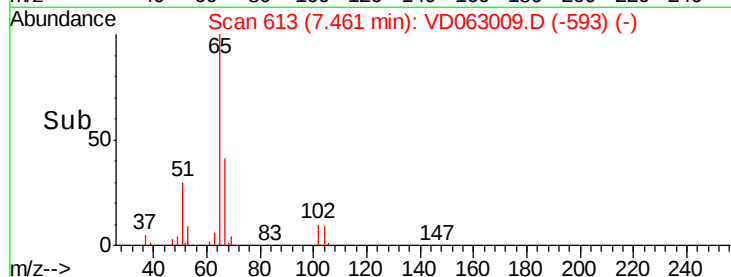
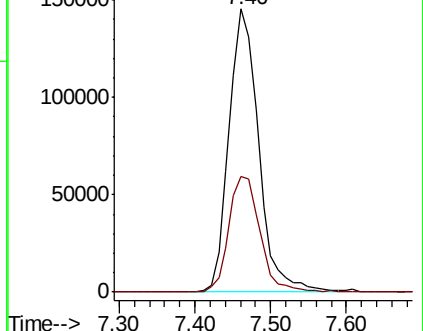
65 100

67 40.7 0.0 87.4



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063009.D

Acq: 2 Jul 2019 18:22

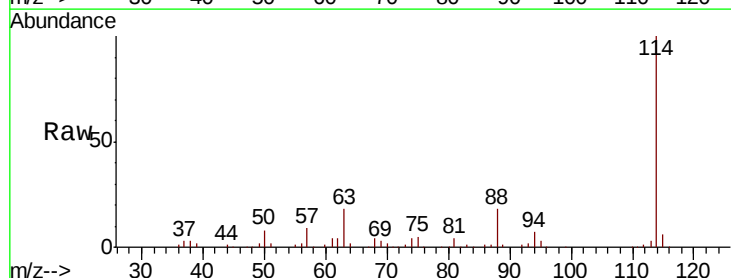
Tgt Ion: 114 Resp: 1309998

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

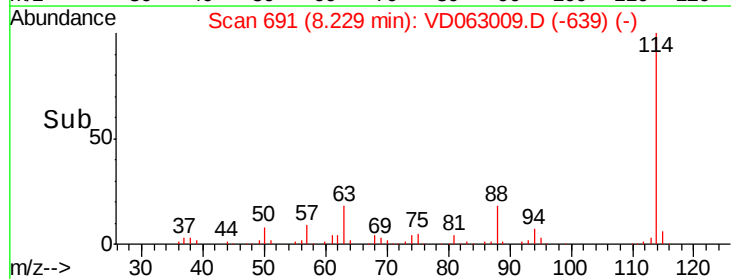
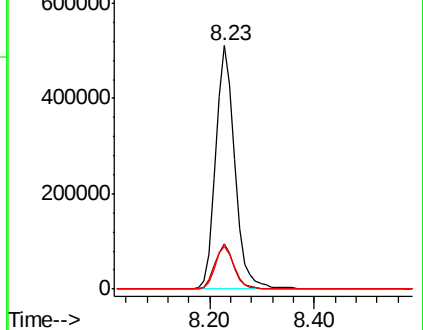
88 17.7 0.0 38.8

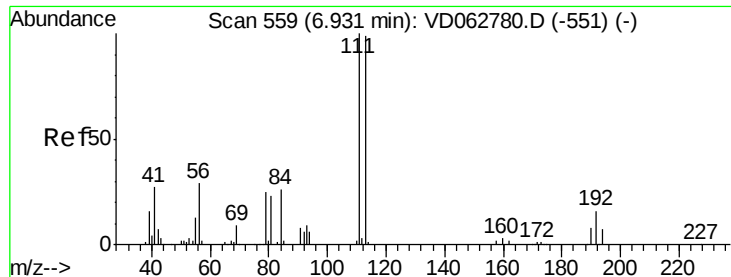


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 42.786 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD063009.D

Acq: 2 Jul 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

GP-3

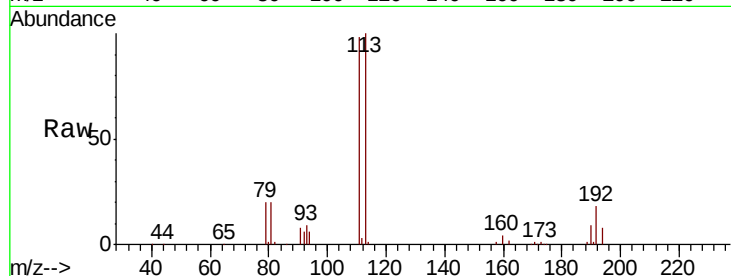
Tot Ion:113 Resp: 472613

Ion Ratio Lower Upper

113 100

111 97.8 81.2 121.8

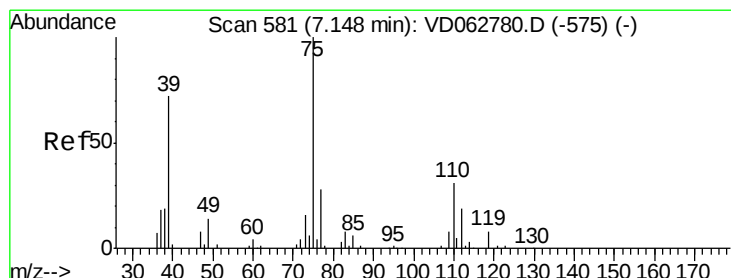
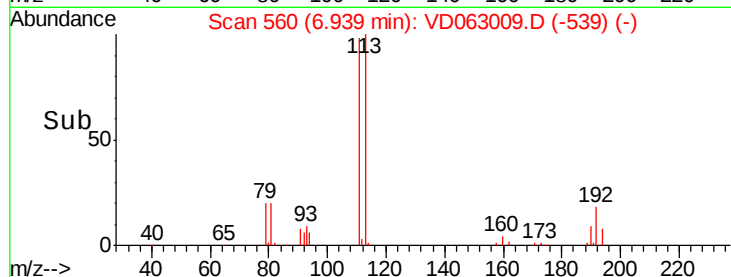
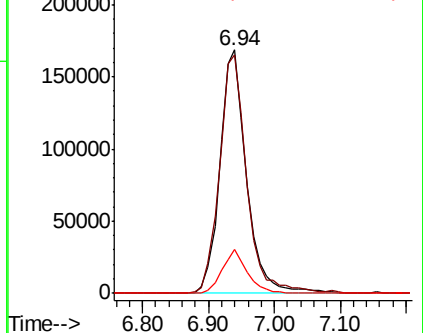
192 18.1 12.9 19.3



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: 6.042 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD063009.D

Acq: 2 Jul 2019 18:22

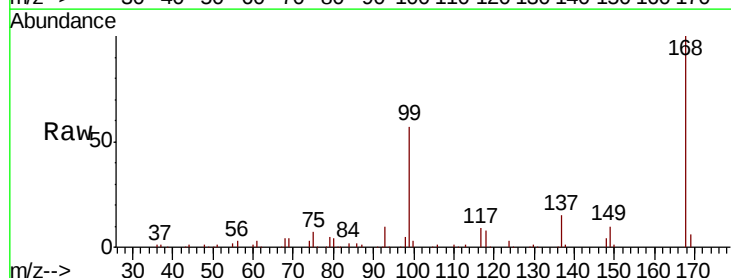
Tgt Ion: 75 Resp: 74925

Ion Ratio Lower Upper

75 100

110 11.8 15.0 45.1#

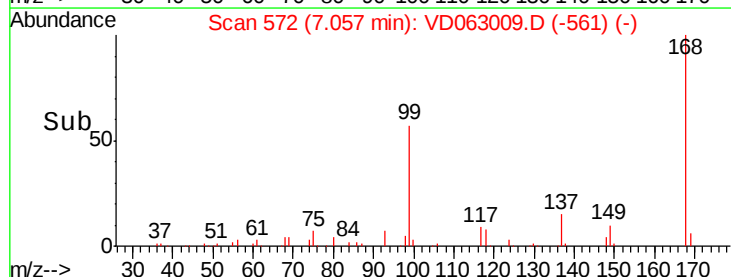
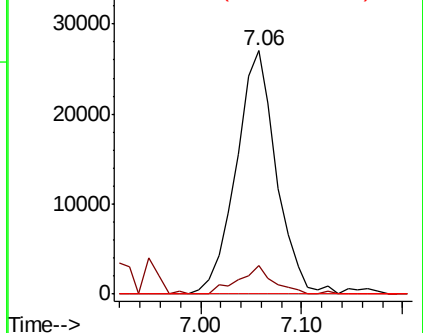
77 0.0 22.2 33.2#

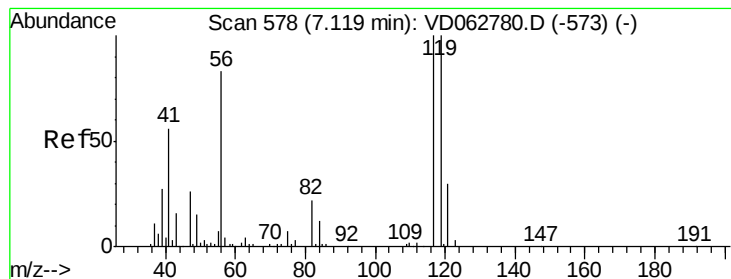


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.324 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD063009.D

Acq: 2 Jul 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

GP-3

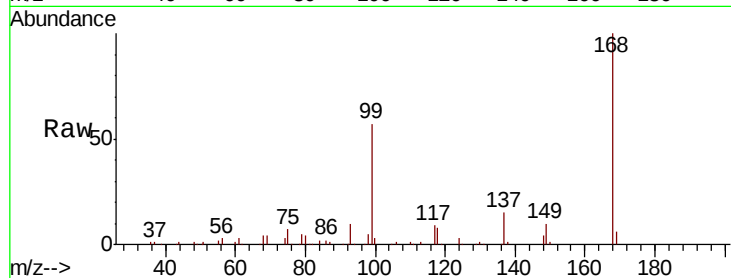
Tot Ion:117 Resp: 99288

Ion Ratio Lower Upper

117 100

119 3.6 75.4 113.2#

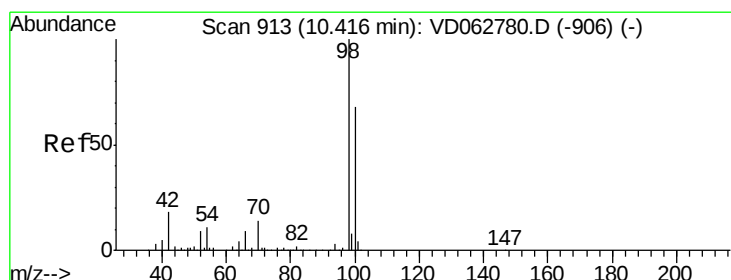
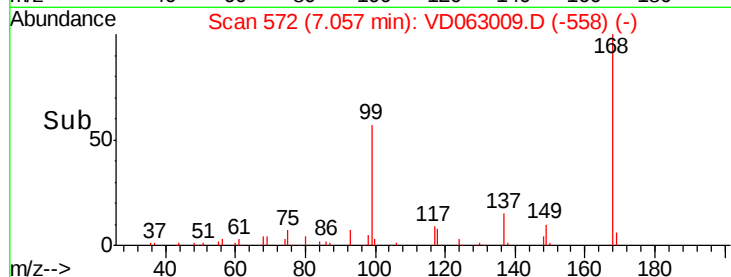
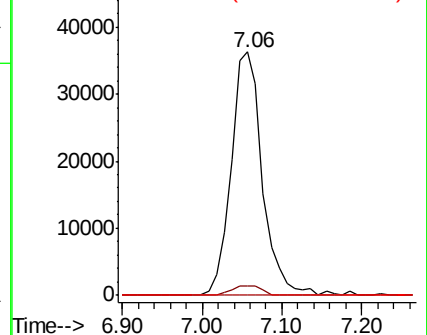
121 0.0 22.3 33.5#



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: 42.539 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD063009.D

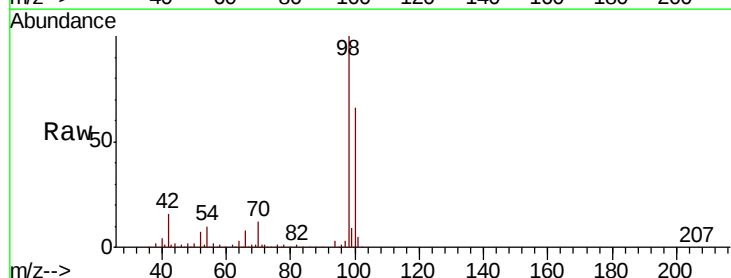
Acq: 2 Jul 2019 18:22

Tgt Ion: 98 Resp: 1022665

Ion Ratio Lower Upper

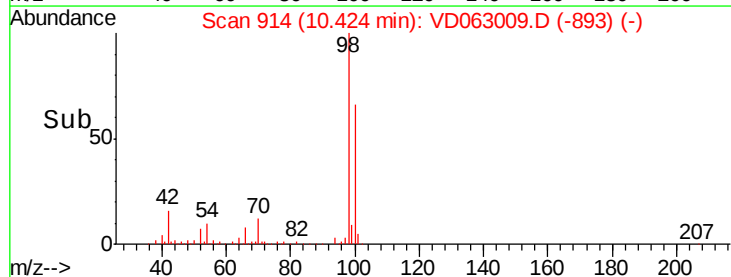
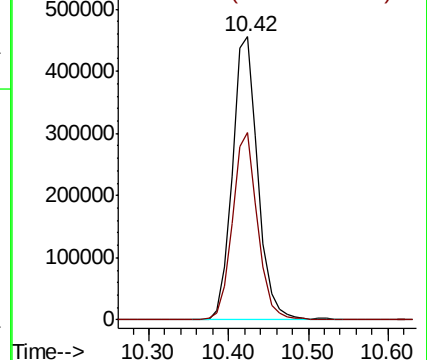
98 100

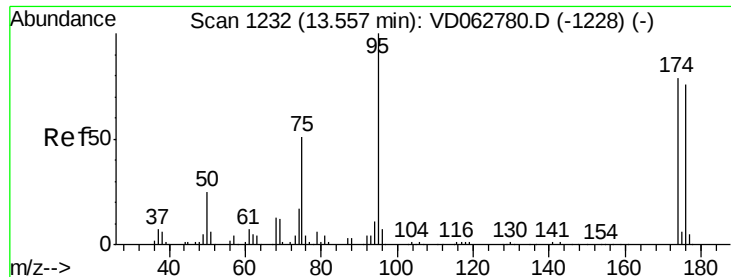
100 66.2 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

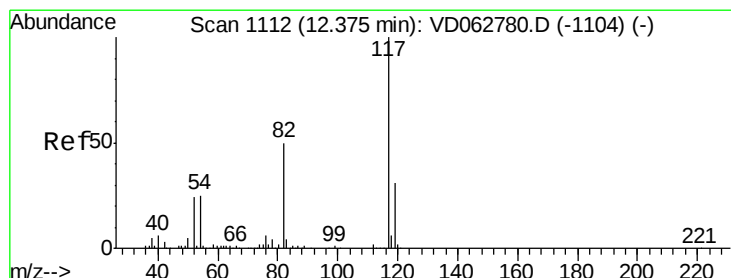
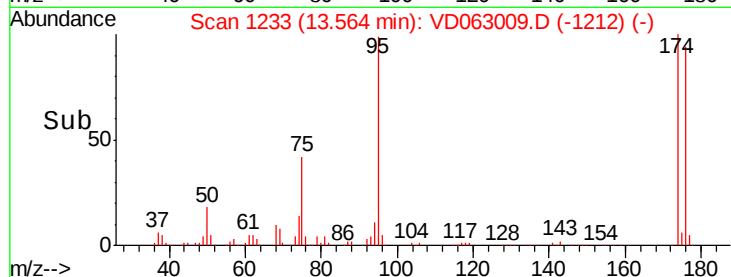
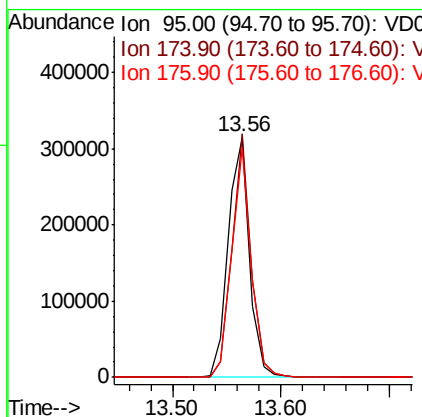
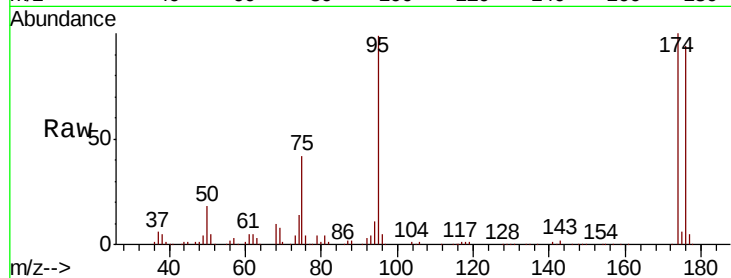




#62
4-Bromofluorobenzene
Concen: 39.356 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063009.D
Acq: 2 Jul 2019 18:22

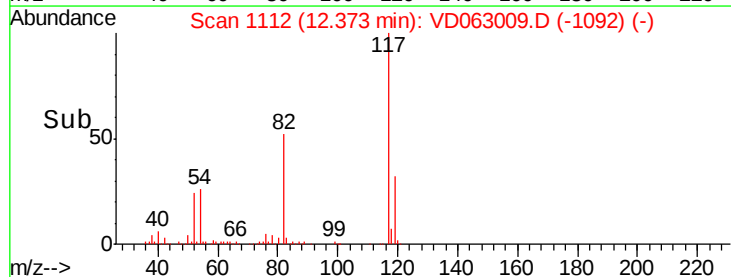
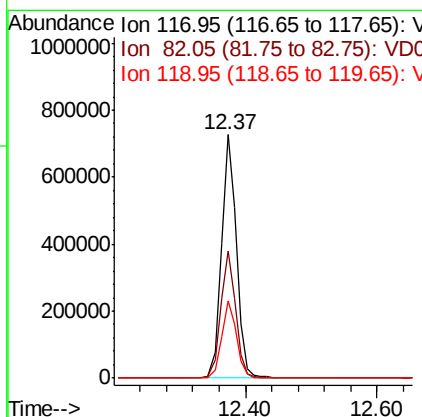
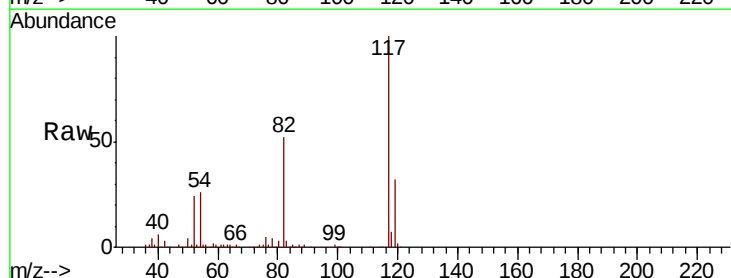
Instrument :
MSVOA_D
ClientSampled :
GP-3

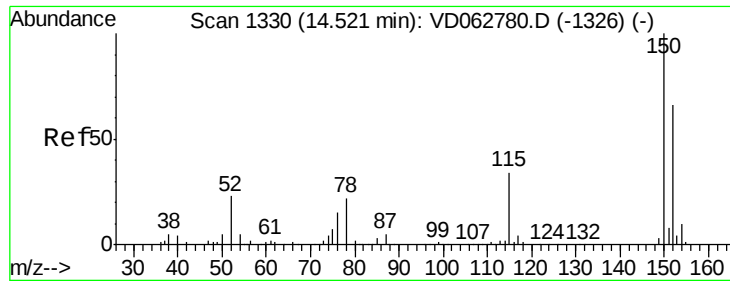
Tot Ion: 95 Resp: 430220
Ion Ratio Lower Upper
95 100
174 101.3 0.0 158.0
176 95.6 0.0 151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063009.D
Acq: 2 Jul 2019 18:22

Tgt Ion: 117 Resp: 1149163
Ion Ratio Lower Upper
117 100
82 52.0 40.4 60.6
119 31.6 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063009.D

Acq: 2 Jul 2019 18:22

Instrument :

MSVOA_D

ClientSampled :

GP-3

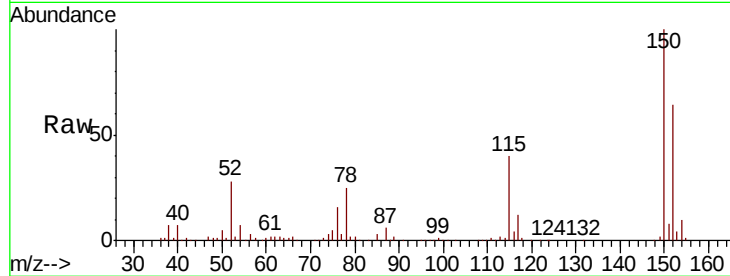
Tot Ion:152 Resp: 585324

Ion Ratio Lower Upper

152 100

115 62.6 29.2 87.6

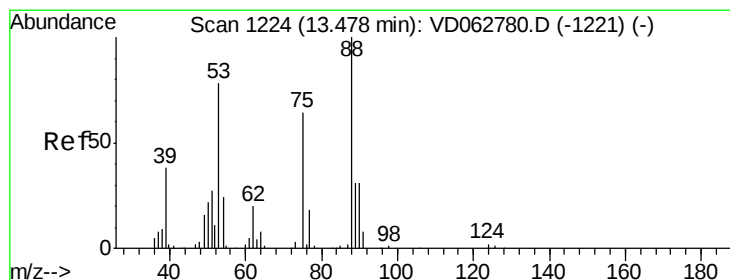
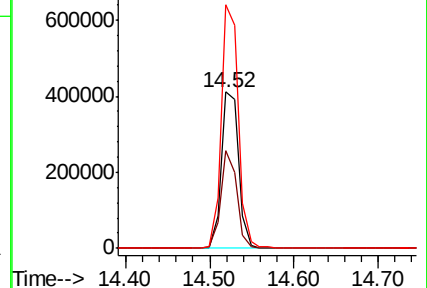
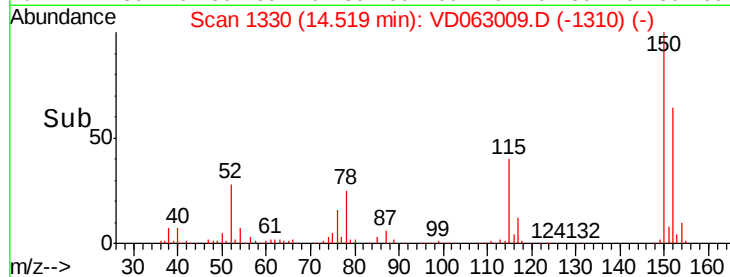
150 155.6 0.0 305.8



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: 111.034 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD063009.D

Acq: 2 Jul 2019 18:22

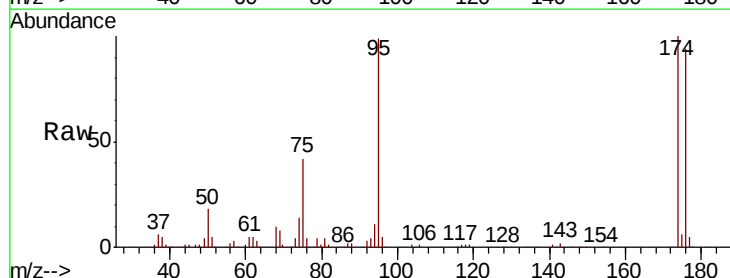
Tgt Ion: 75 Resp: 196635

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

