

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063047.D
 Acq On : 8 Jul 2019 20:08
 Operator : VA/AP
 Sample : K3700-02
 Misc : 6.31g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-052

Quant Time: Jul 09 05:12:58 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

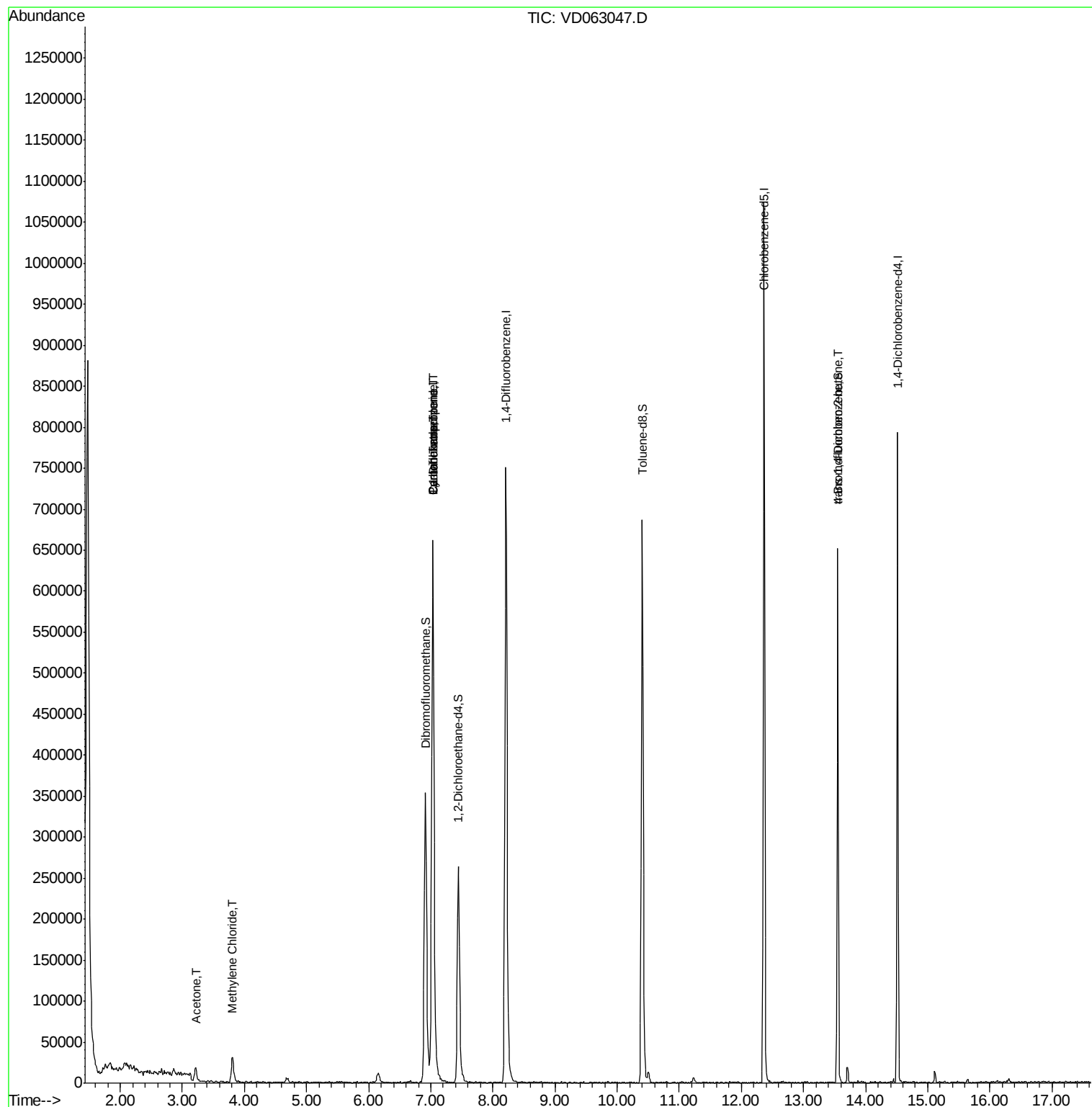
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	603315	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	808727	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	549613	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	175388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	299614	45.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.38%	
35) Dibromofluoromethane	6.92	113	309983	45.46	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	90.92%	
50) Toluene-d8	10.40	98	533667	35.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	71.92%	
62) 4-Bromofluorobenzene	13.55	95	164341	24.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	48.70%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	31467	17.145	ug/l	96
20) Methylene Chloride	3.81	84	17662	3.531	ug/l #	79
31) Cyclohexane	7.04	56	13815	2.243	ug/l #	18
36) 1,1-Dichloropropene	7.03	75	48749	6.368	ug/l #	54
37) Ethyl Acetate	6.16	43	896	Below Cal	#	1
38) Carbon Tetrachloride	7.04	117	60396	5.245	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.55	75	81826	154.199	ug/l #	2

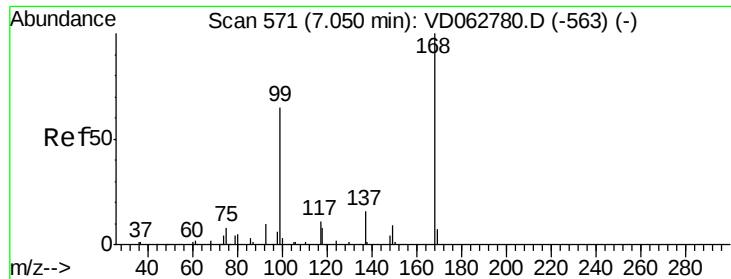
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD063047.D

Acq: 8 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

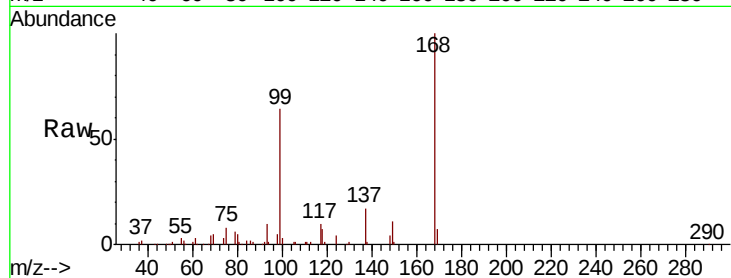
FK-PS-01-052

Tot Ion:168 Resp: 603315

Ion Ratio Lower Upper

168 100

99 64.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

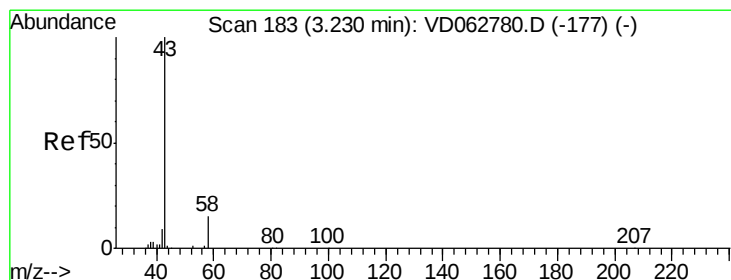
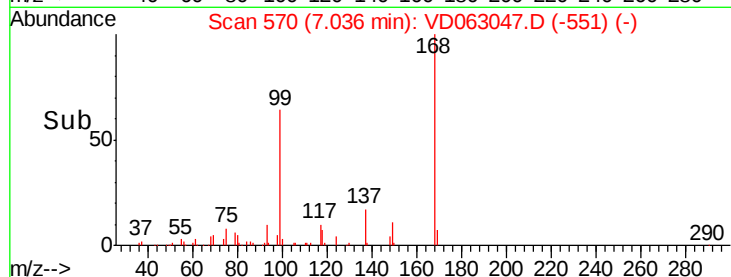
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 17.145 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063047.D

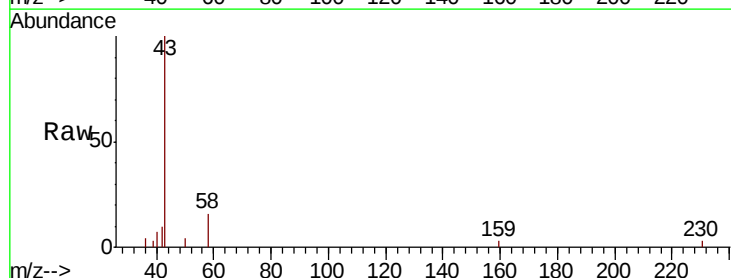
Acq: 8 Jul 2019 20:08

Tgt Ion: 43 Resp: 31467

Ion Ratio Lower Upper

43 100

58 16.4 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

12000

10000

8000

6000

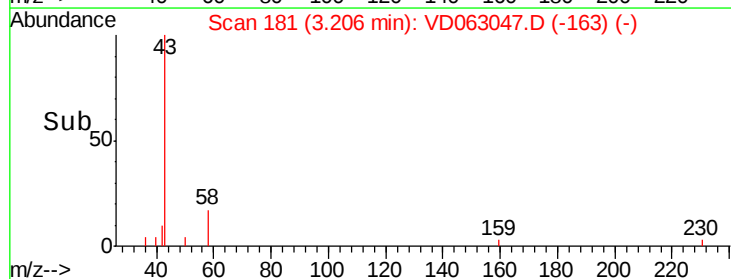
4000

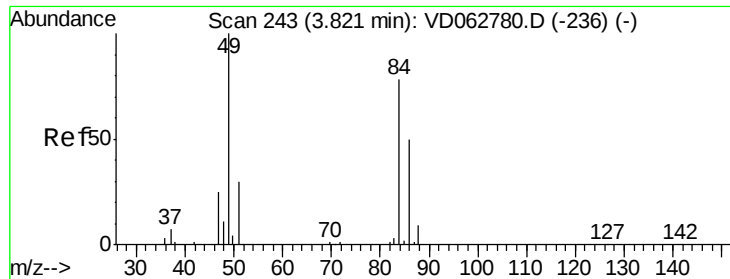
2000

0

Time-->

3.10 3.20 3.30

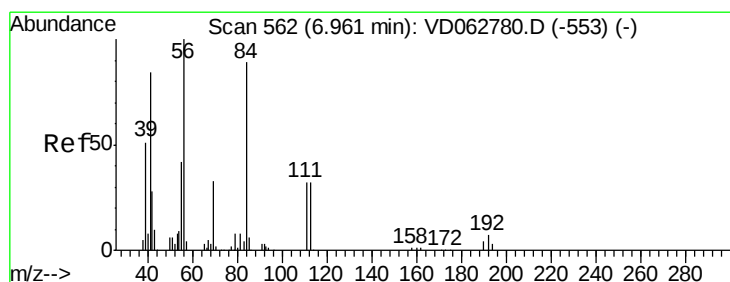
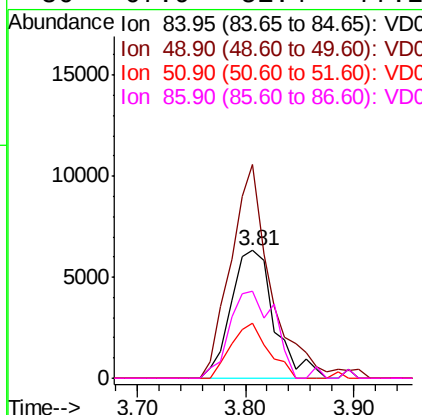
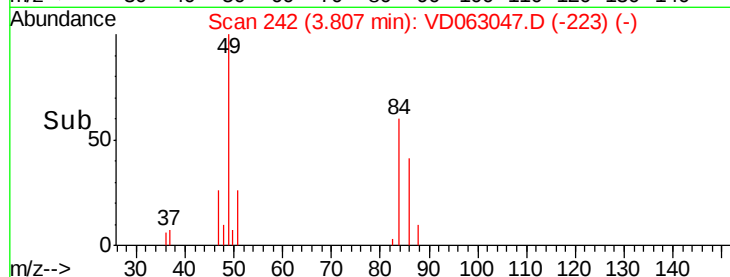
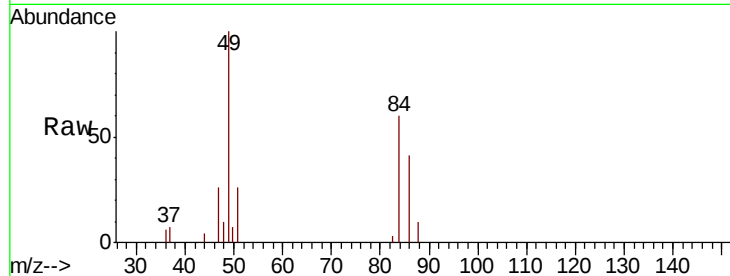




#20
Methvlene Chloride
Concen: 3.531 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063047.D
Acq: 8 Jul 2019 20:08

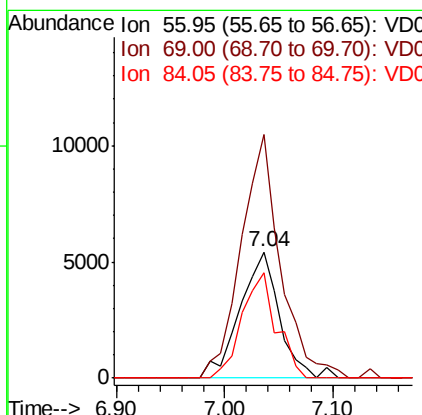
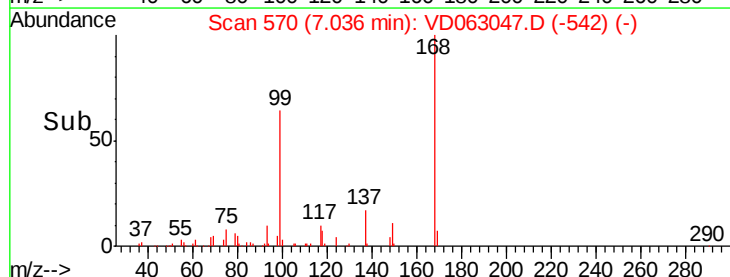
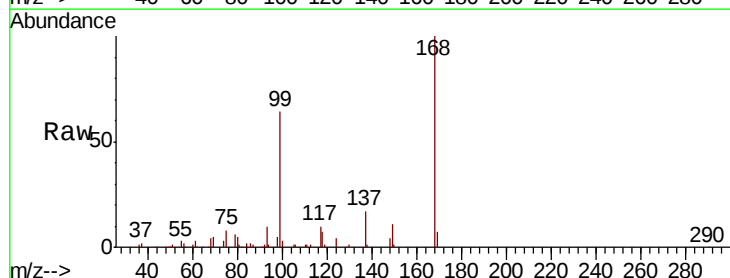
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-052

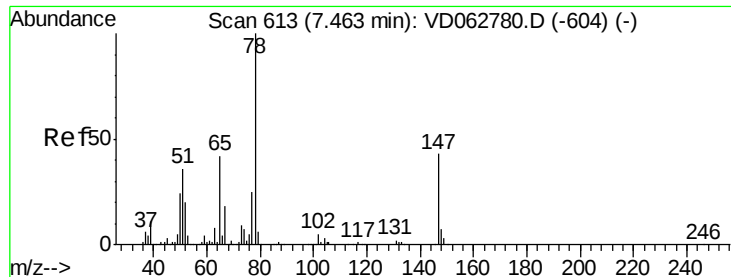
Tot Ion: 84 Resp: 17662
Ion Ratio Lower Upper
84 100
49 167.1 102.9 154.3#
51 42.7 31.2 46.8
86 67.9 51.4 77.2



#31
Cyclohexane
Concen: 2.243 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063047.D
Acq: 8 Jul 2019 20:08

Tgt Ion: 56 Resp: 13815
Ion Ratio Lower Upper
56 100
69 193.0 26.6 39.8#
84 83.1 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 45.687 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063047.D

Acq: 8 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

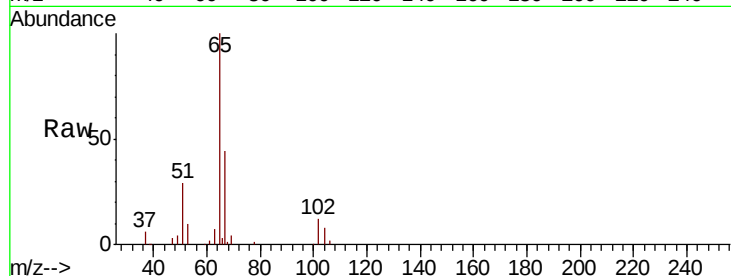
FK-PS-01-052

Tot Ion: 65 Resp: 299614

Ion Ratio Lower Upper

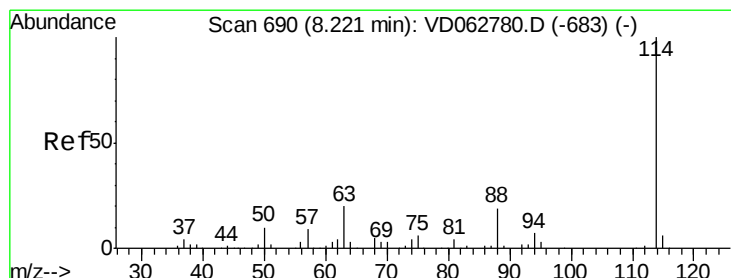
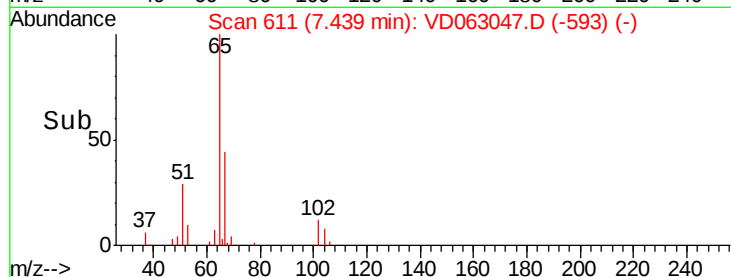
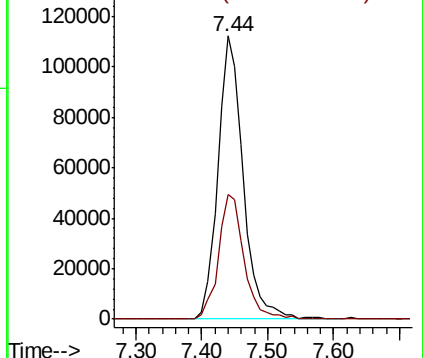
65 100

67 44.1 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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063047.D

Acq: 8 Jul 2019 20:08

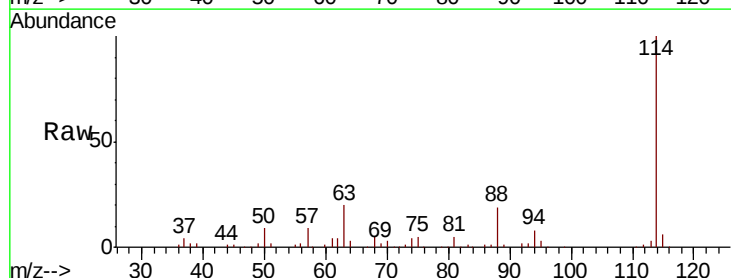
Tgt Ion: 114 Resp: 808727

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

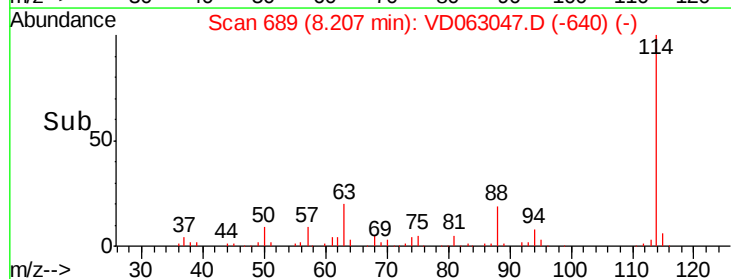
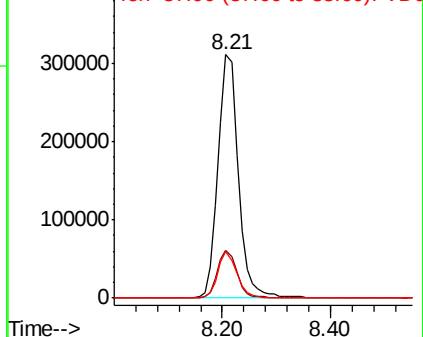
88 19.0 0.0 38.8

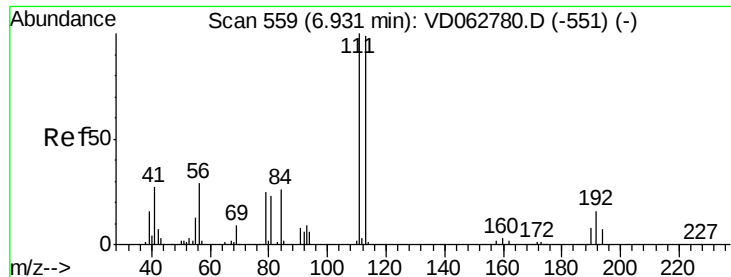


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

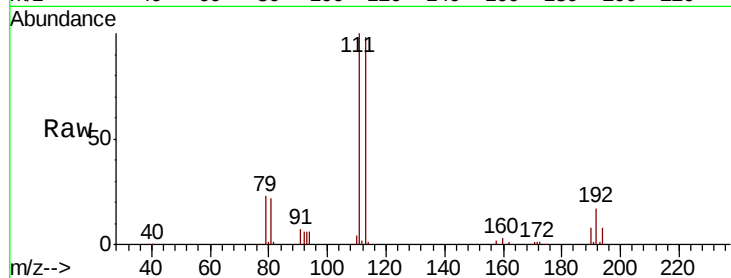




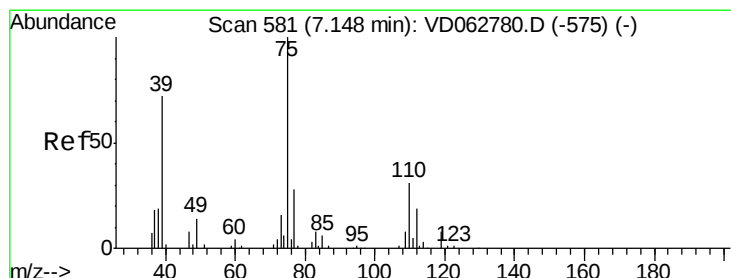
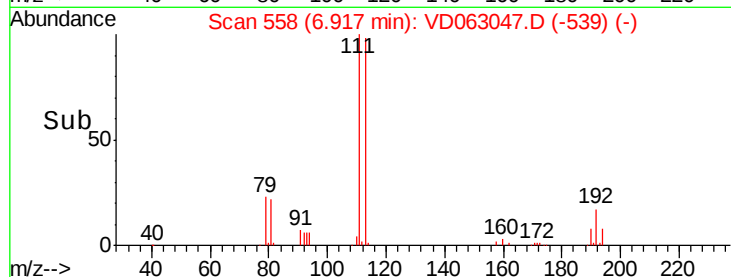
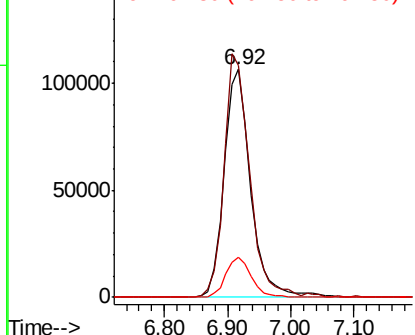
#35
 Dibromofluoromethane
 Concen: 45.458 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063047.D
 Acq: 8 Jul 2019 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-052

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.2	121.8
192	17.8	12.9	19.3

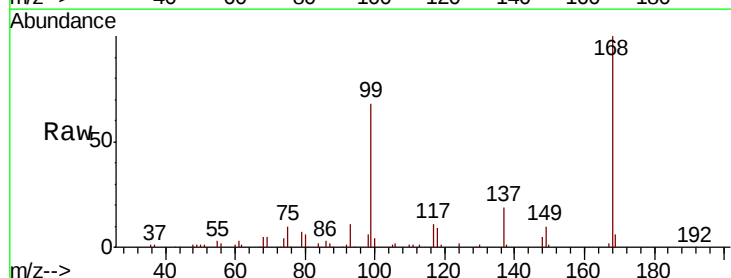


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

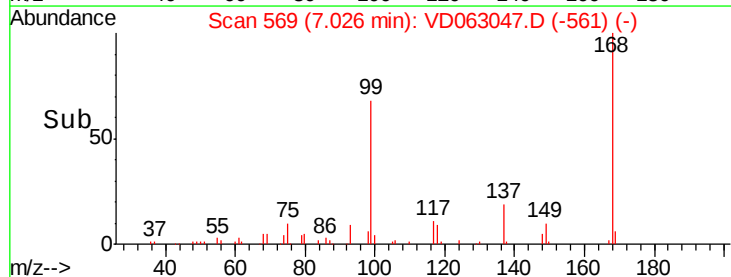
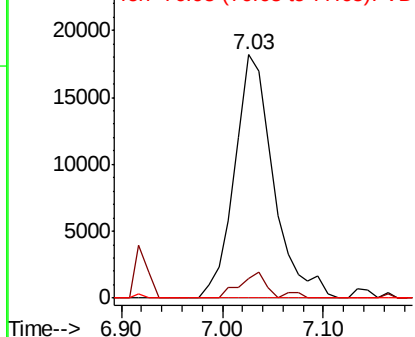


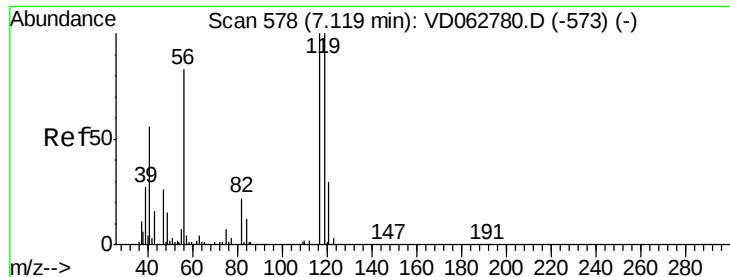
#36
 1,1-Dichloropropene
 Concen: 6.368 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.12 min
 Lab File: VD063047.D
 Acq: 8 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.0	45.1#
77	0.0	22.2	33.2#



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: 5.245 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063047.D

Acq: 8 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-052

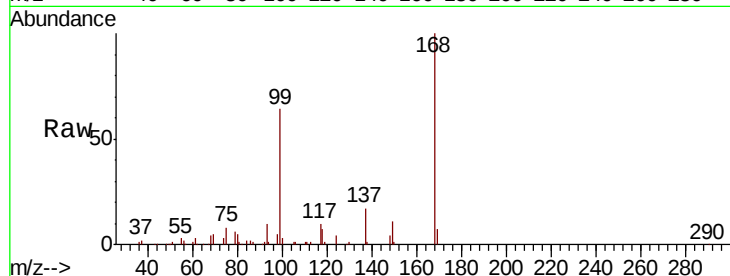
Tot Ion:117 Resp: 60396

Ion Ratio Lower Upper

117 100

119 6.4 75.4 113.2#

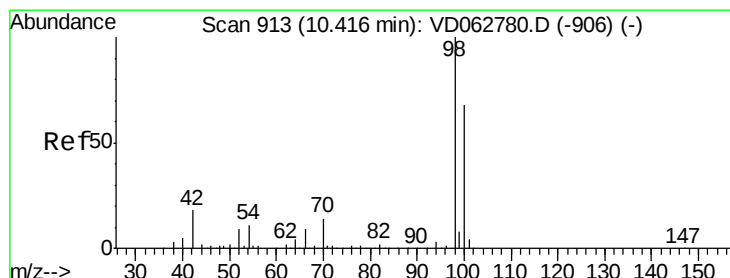
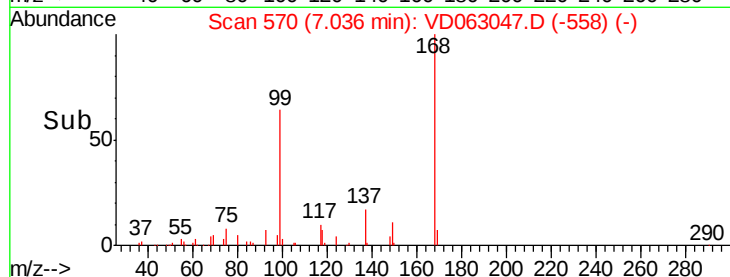
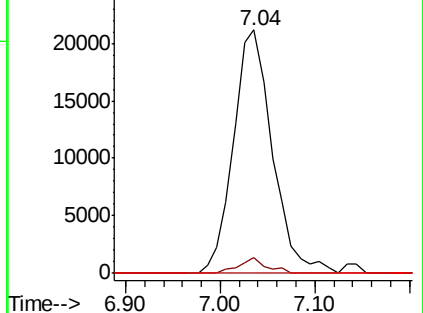
121 0.0 22.3 33.5#



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: 35.957 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063047.D

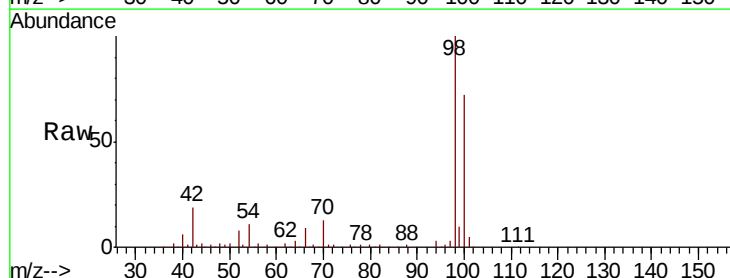
Acq: 8 Jul 2019 20:08

Tgt Ion: 98 Resp: 533667

Ion Ratio Lower Upper

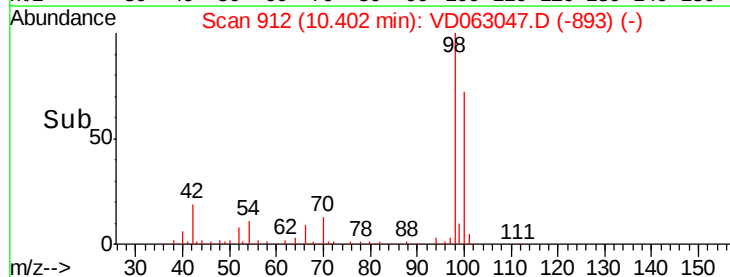
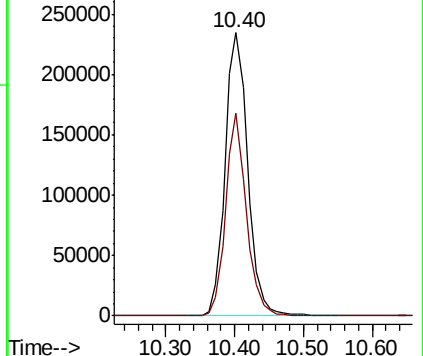
98 100

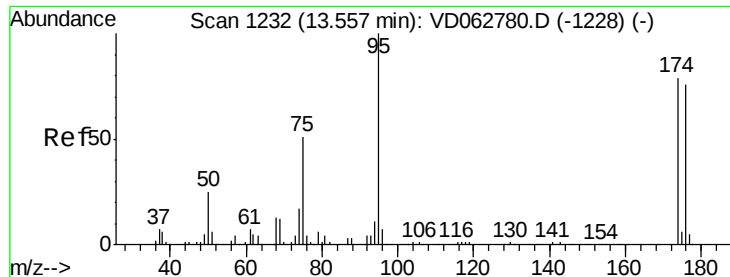
100 71.8 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

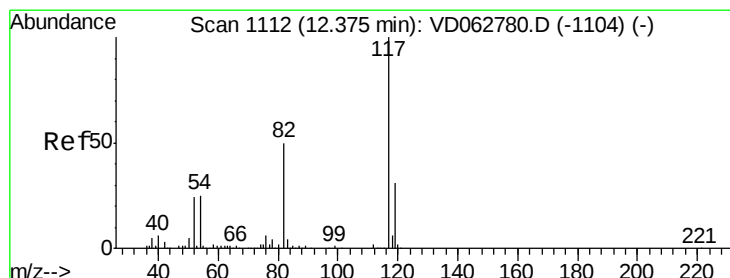
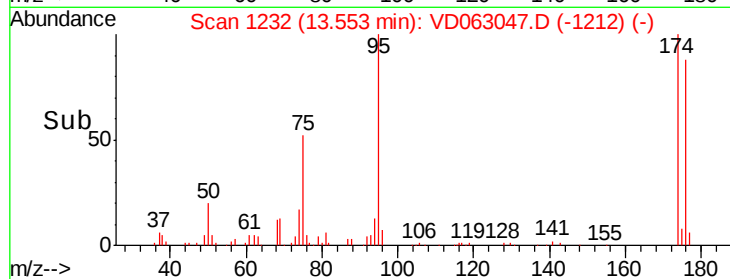
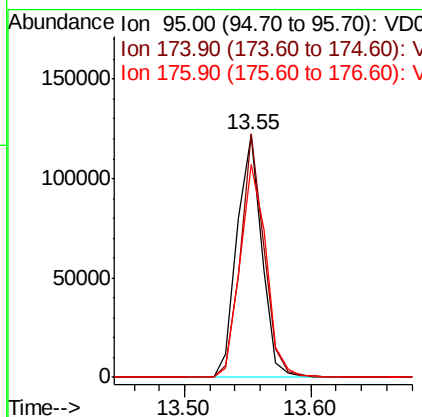
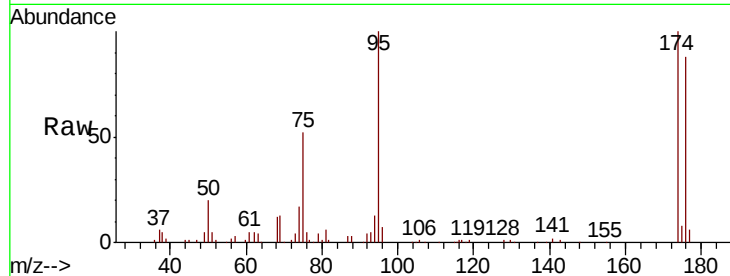




#62
4-Bromofluorobenzene
Concen: 24.352 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063047.D
Acq: 8 Jul 2019 20:08

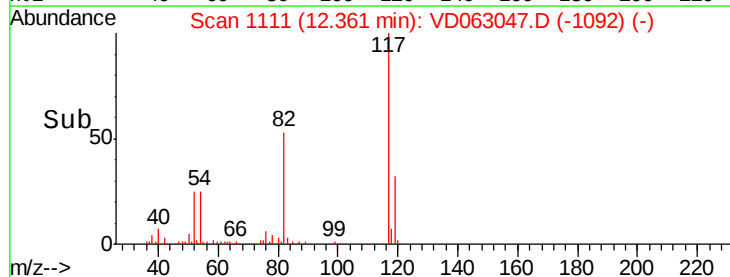
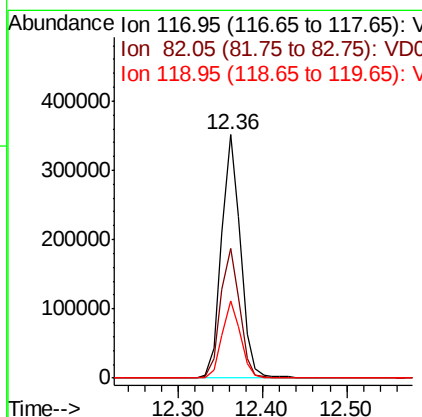
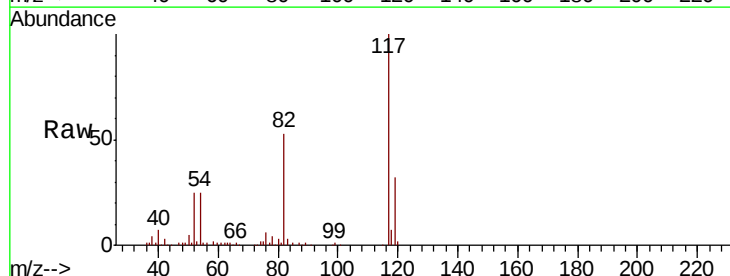
Instrument :
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FK-PS-01-052

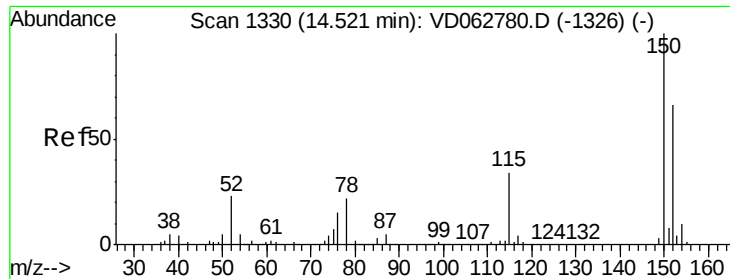
Tot Ion: 95 Resp: 164341
Ion Ratio Lower Upper
95 100
174 100.4 0.0 158.0
176 88.0 0.0 151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063047.D
Acq: 8 Jul 2019 20:08

Tgt Ion: 117 Resp: 549613
Ion Ratio Lower Upper
117 100
82 53.4 40.4 60.6
119 31.9 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: VD063047.D

Acq: 8 Jul 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-052

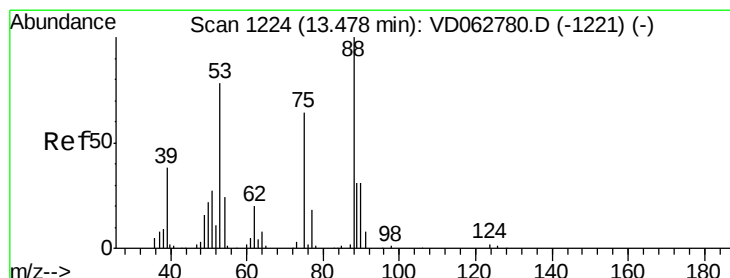
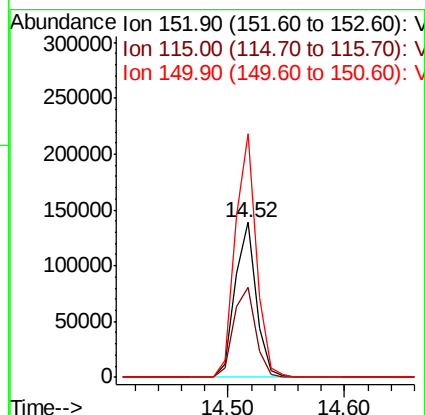
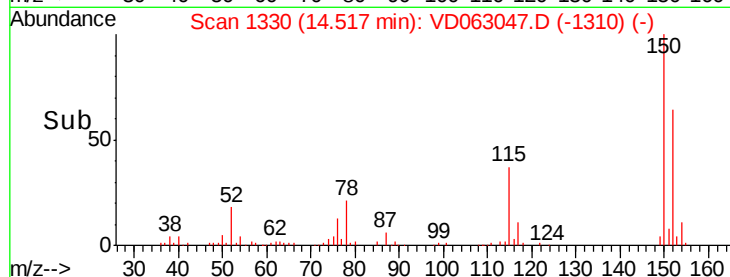
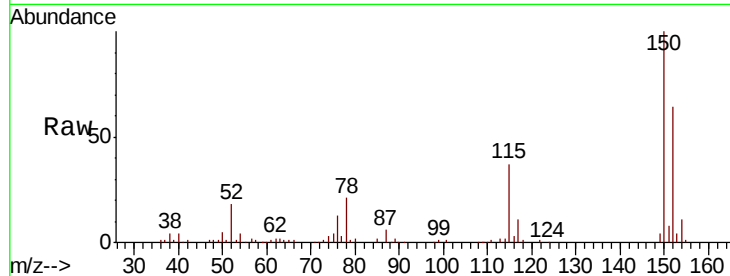
Tot Ion:152 Resp: 175388

Ion Ratio Lower Upper

152 100

115 58.1 29.2 87.6

150 157.2 0.0 305.8



#81

trans-1,4-Dichloro-2-butene

Concen: 154.199 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063047.D

Acq: 8 Jul 2019 20:08

Tgt Ion: 75 Resp: 81826

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

