

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063596.D
 Acq On : 15 Aug 2019 2:38
 Operator : JC/SY
 Sample : VD0814SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:05:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	914765	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1349053	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1185361	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	584304	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	537658	54.99	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.98%	
35) Dibromofluoromethane	6.92	113	612673	53.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.84%	
50) Toluene-d8	10.41	98	1324894	53.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	13.55	95	570515	50.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.78%	

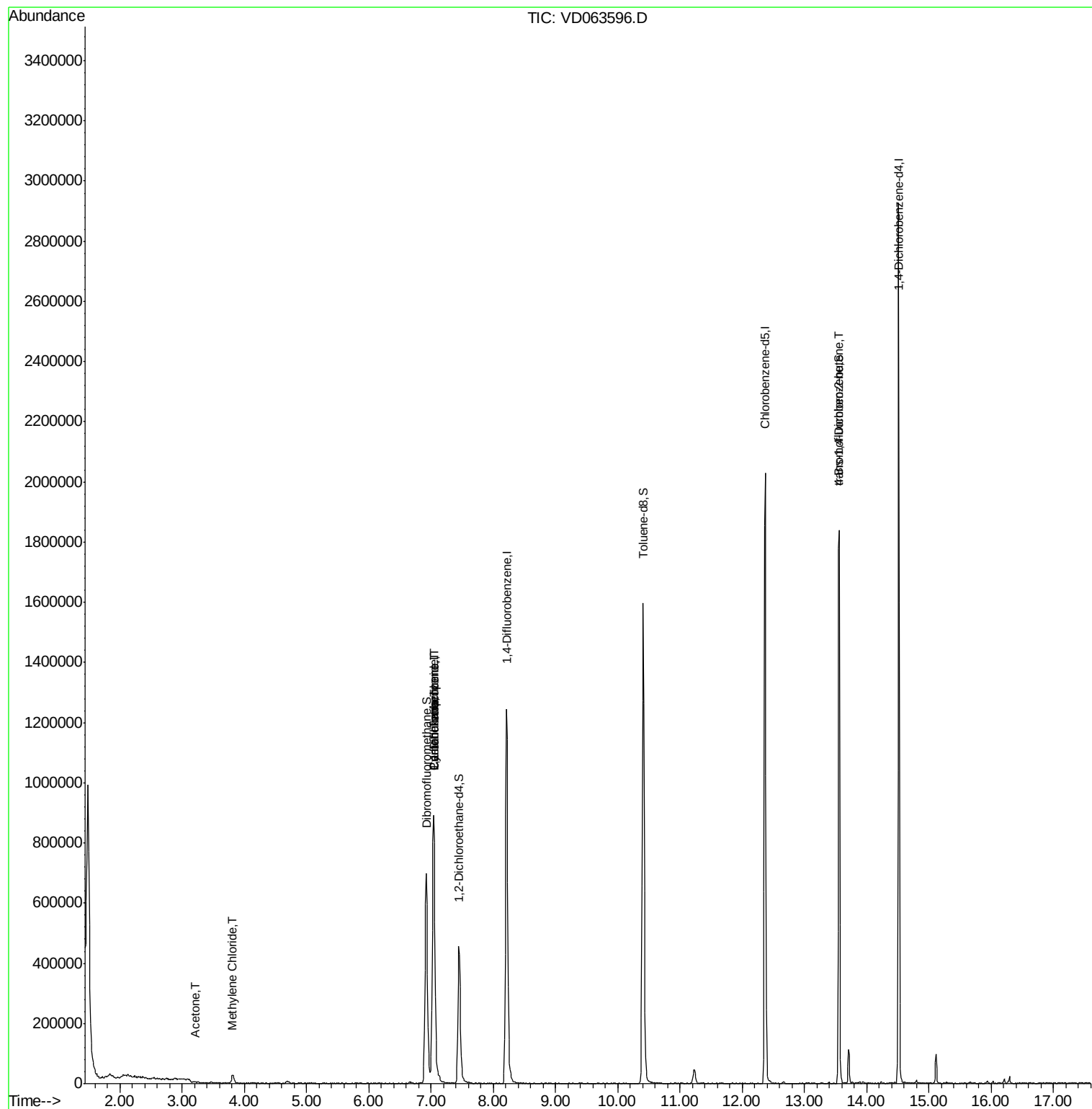
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	4350	2.188	ug/l #	65
20) Methylene Chloride	3.81	84	18699	2.176	ug/l #	80
31) Cyclohexane	7.04	56	19084	2.162	ug/l #	13
36) 1,1-Dichloropropene	7.04	75	67549	5.664	ug/l #	51
38) Carbon Tetrachloride	7.03	117	92748	5.160	ug/l #	19
81) trans-1,4-Dichloro-2-buten	13.55	75	251914	139.769	ug/l #	1

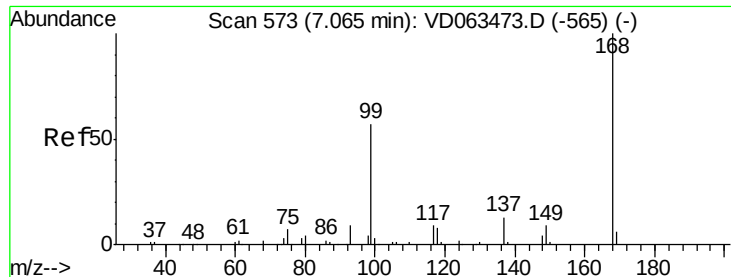
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Aug 15 12:05:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063596.D

Acq: 15 Aug 2019 2:38

Instrument :

MSVOA_D

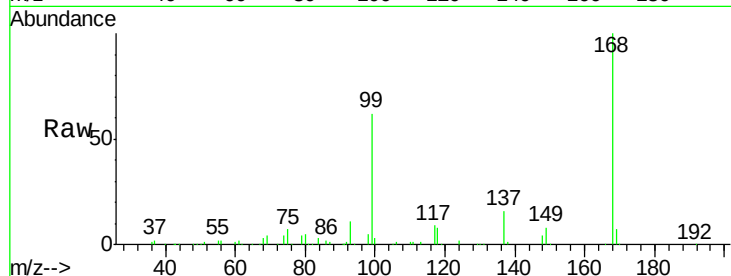
ClientSampleId :

Tot Ion:168 Resp: 914765

Ion Ratio Lower Upper

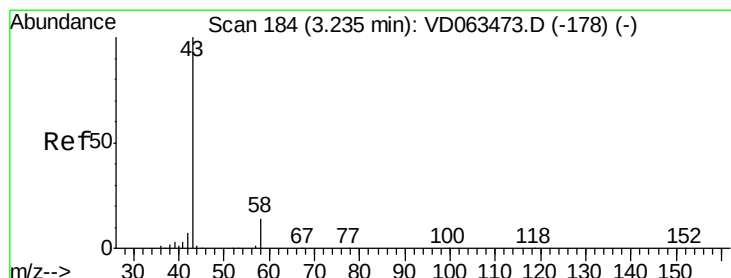
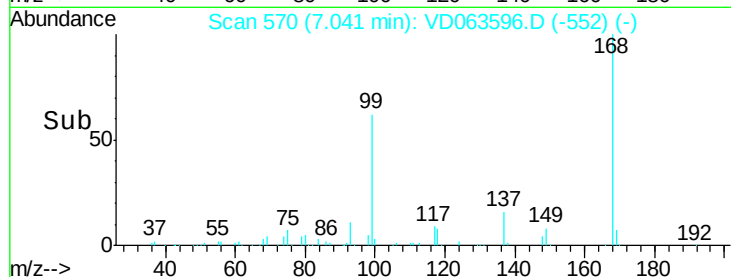
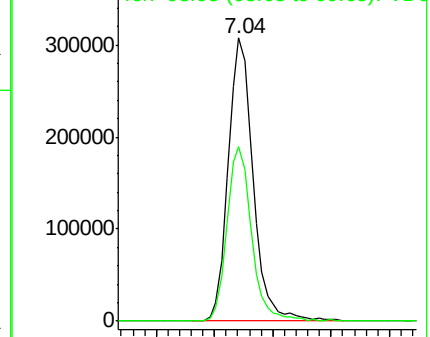
168 100

99 61.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 2.188 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063596.D

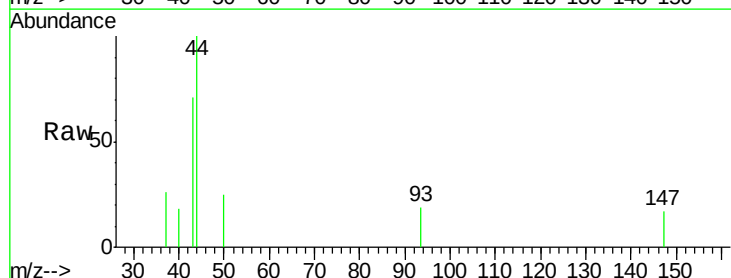
Acq: 15 Aug 2019 2:38

Tgt Ion: 43 Resp: 4350

Ion Ratio Lower Upper

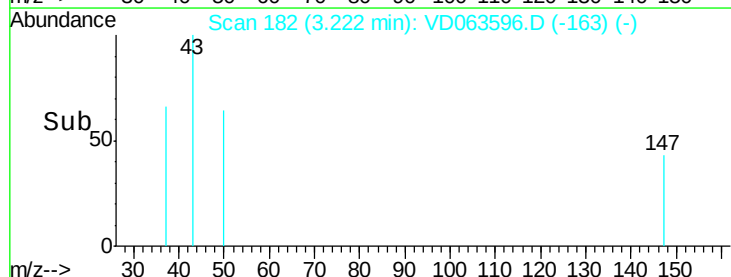
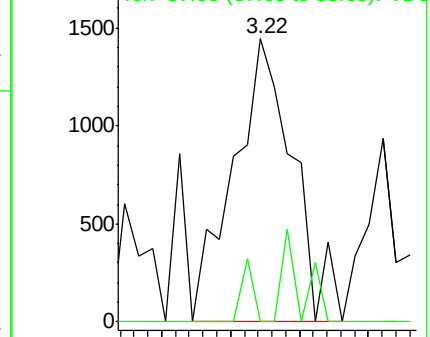
43 100

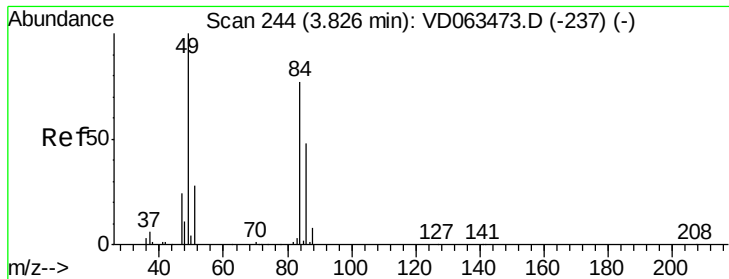
58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

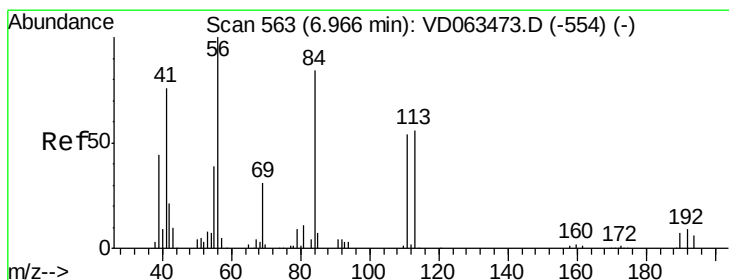
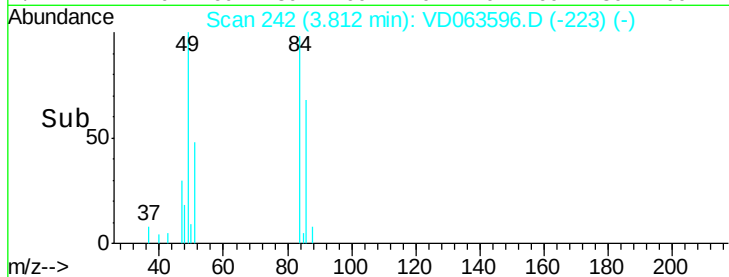
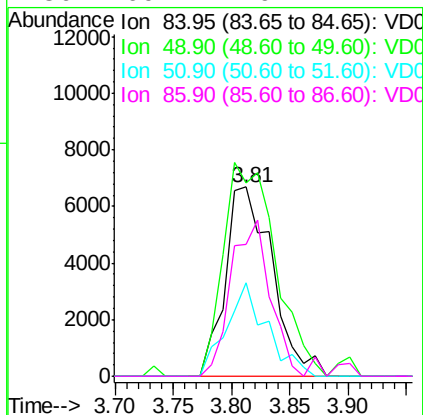
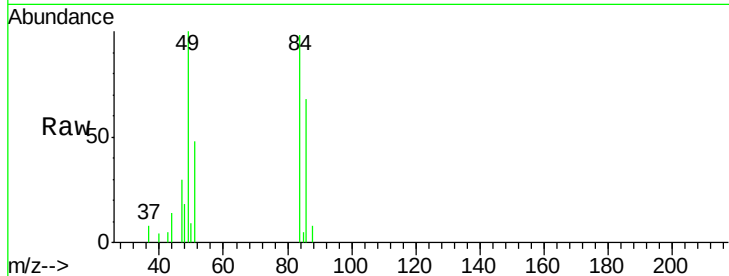




#20
Methylene Chloride
Concen: 2.176 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063596.D
Acq: 15 Aug 2019 2:38

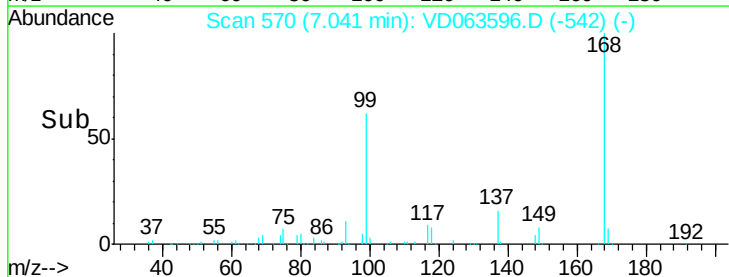
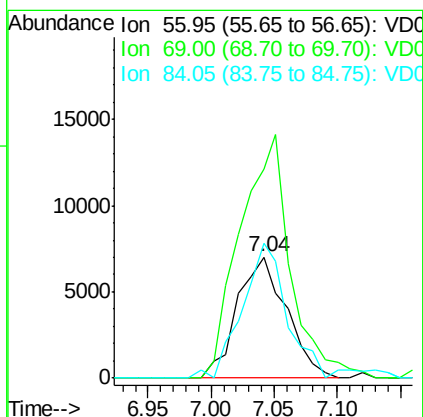
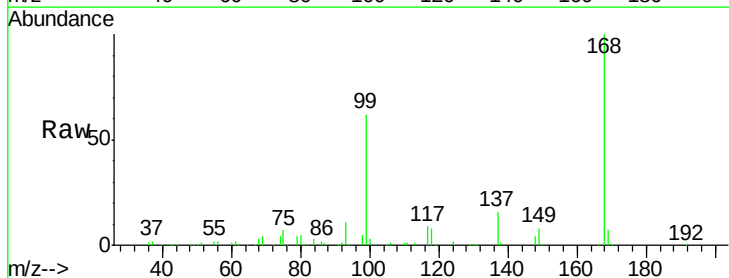
Instrument :
MSVOA_D
ClientSampled :

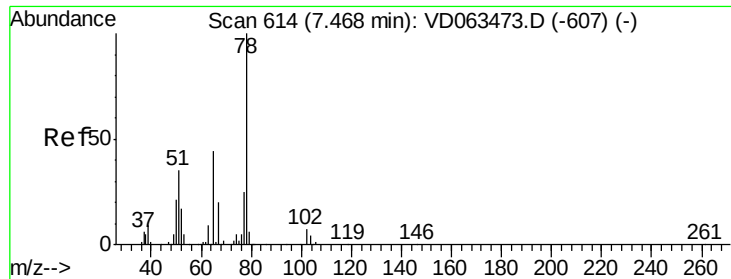
Tot Ion	84	Resp	18699
Ion	Ratio	Lower	Upper
84	100		
49	102.3	103.4	155.2#
51	49.6	28.5	42.7#
86	69.7	49.4	74.2



#31
Cyclohexane
Concen: 2.162 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD063596.D
Acq: 15 Aug 2019 2:38

Tgt Ion	56	Resp	19084
Ion	Ratio	Lower	Upper
56	100		
69	172.5	25.0	37.6#
84	111.9	69.7	104.5#

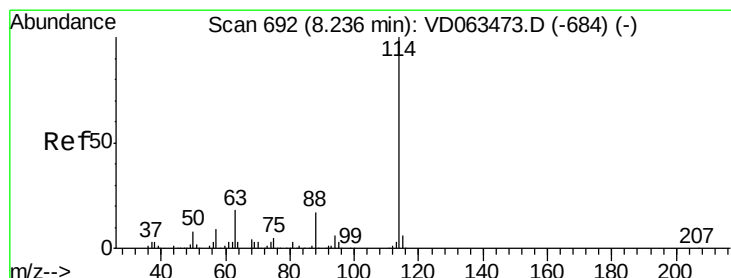
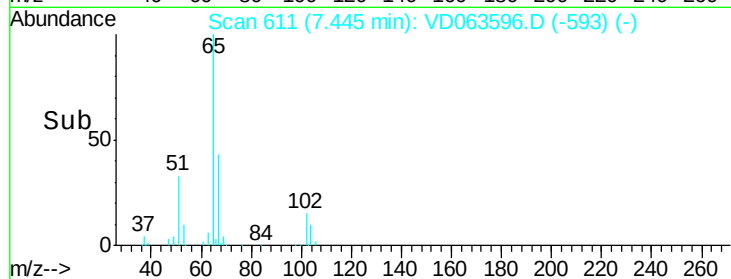
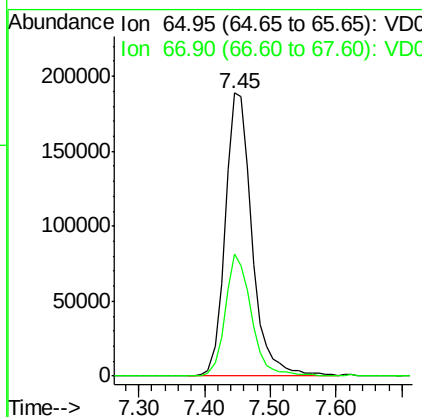
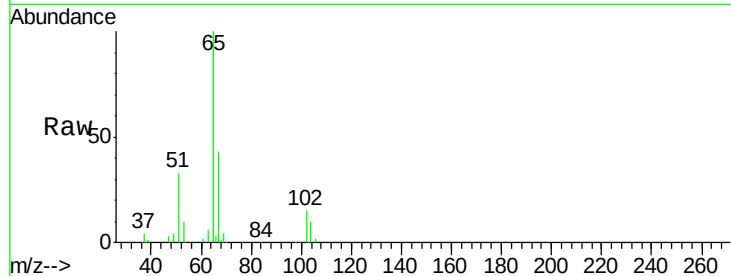




#33
 1,2-Dichloroethane-d4
 Concen: 54.986 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063596.D
 Acq: 15 Aug 2019 2:38

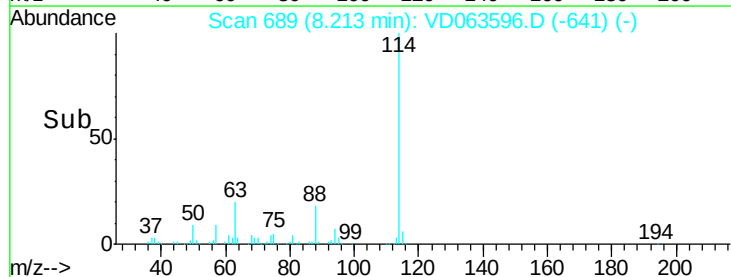
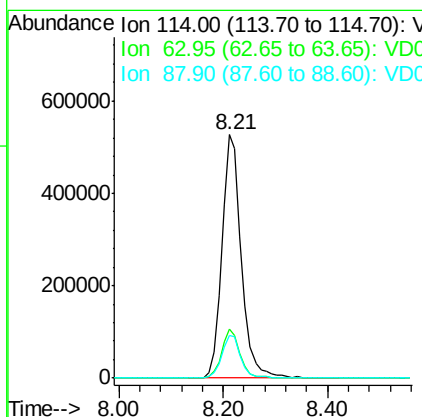
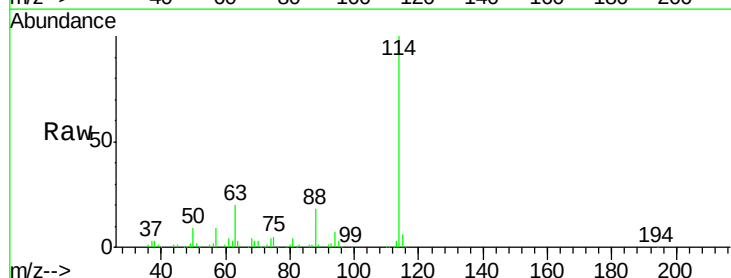
Instrument :
 MSVOA_D
 ClientSampleId :

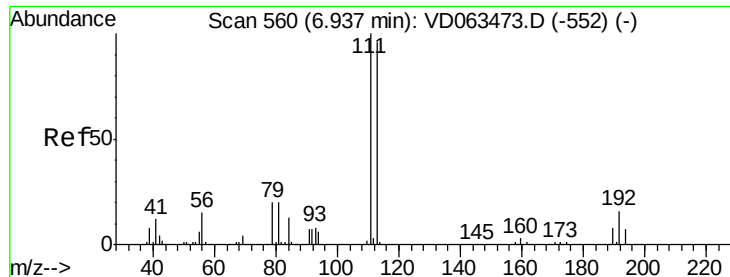
Tot Ion: 65 Resp: 537658
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063596.D
 Acq: 15 Aug 2019 2:38

Tgt Ion: 114 Resp: 1349053
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 36.2
 88 17.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 53.924 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063596.D

Acq: 15 Aug 2019 2:38

Instrument :
MSVOA_D
ClientSampleId :

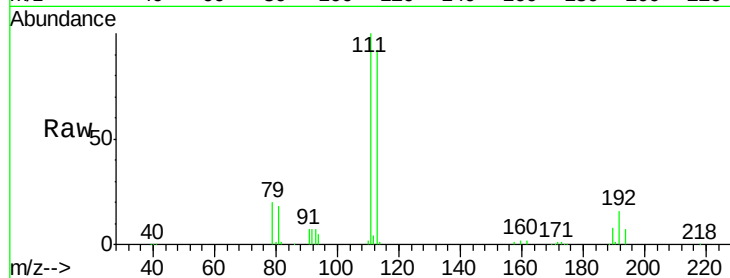
Tot Ion:113 Resp: 612673

Ion Ratio Lower Upper

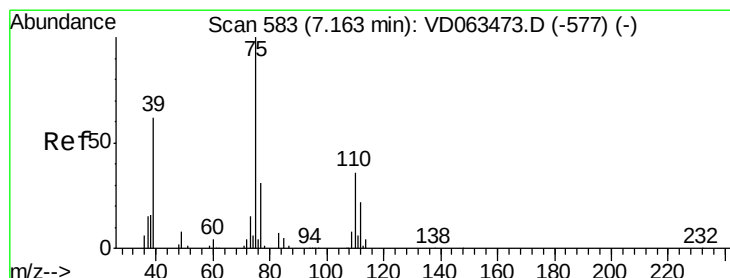
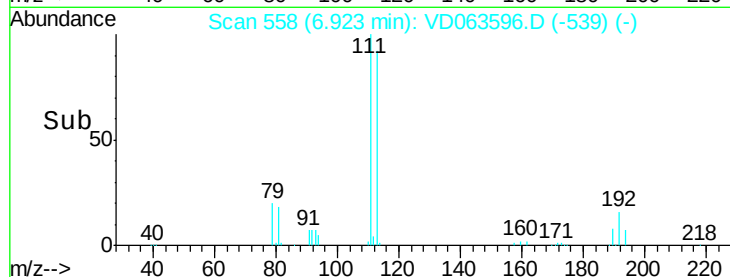
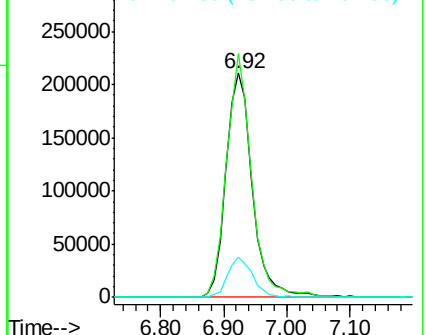
113 100

111 108.7 83.1 124.7

192 17.8 13.1 19.7



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: 5.664 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD063596.D

Acq: 15 Aug 2019 2:38

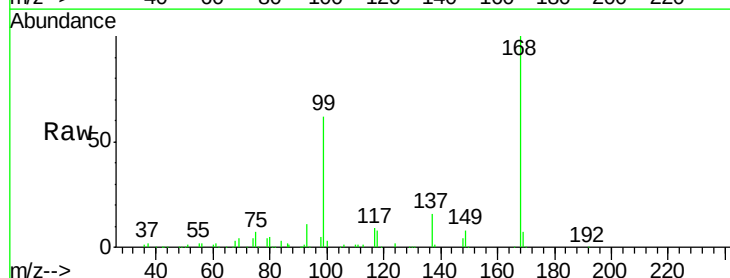
Tgt Ion: 75 Resp: 67549

Ion Ratio Lower Upper

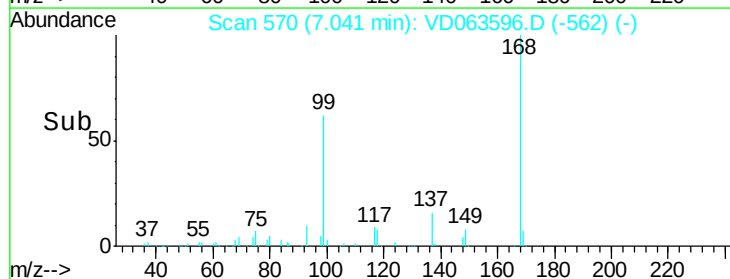
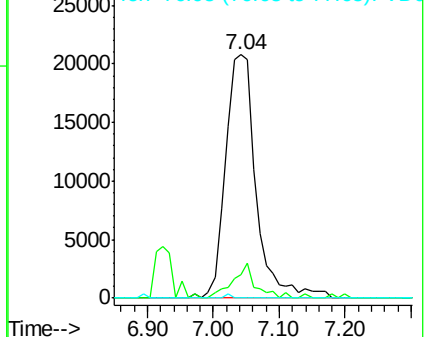
75 100

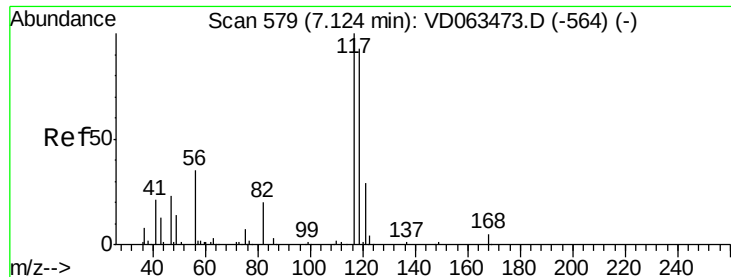
110 9.8 17.6 52.8#

77 0.0 24.3 36.5#



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: 5.160 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063596.D

Acq: 15 Aug 2019 2:38

Instrument :

MSVOA_D

ClientSampleId :

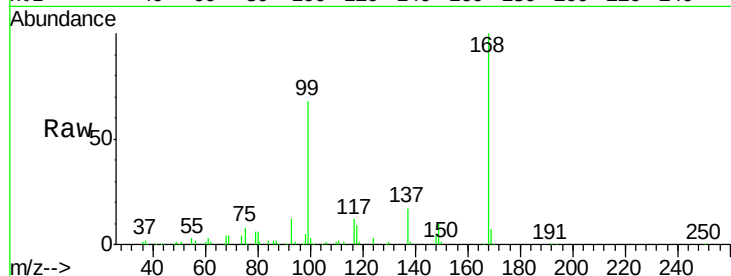
Tot Ion:117 Resp: 92748

Ion Ratio Lower Upper

117 100

119 6.8 74.2 111.2#

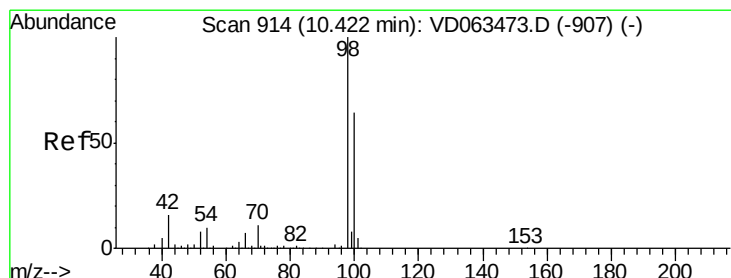
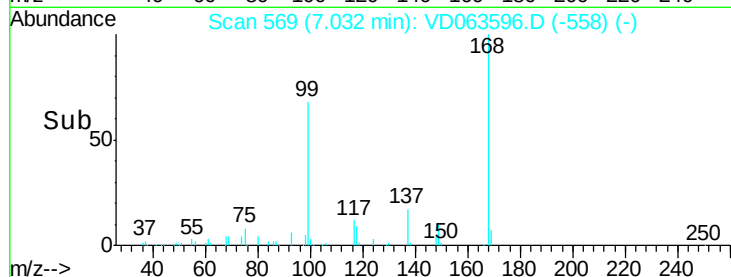
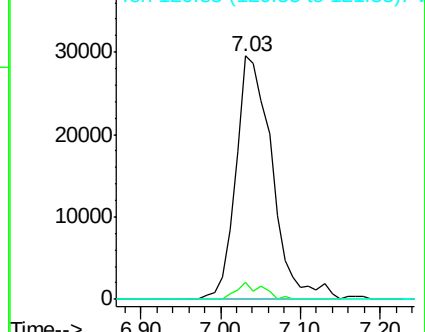
121 0.0 23.1 34.7#



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: 53.039 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063596.D

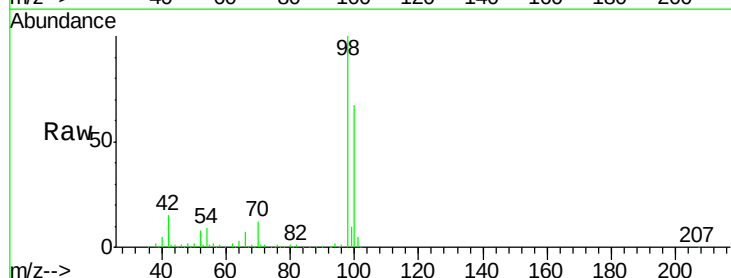
Acq: 15 Aug 2019 2:38

Tgt Ion: 98 Resp: 1324894

Ion Ratio Lower Upper

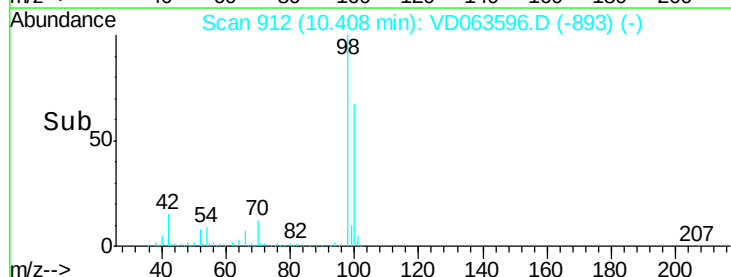
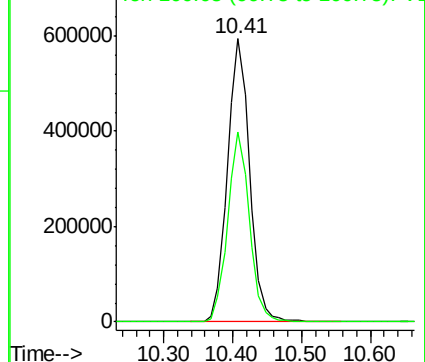
98 100

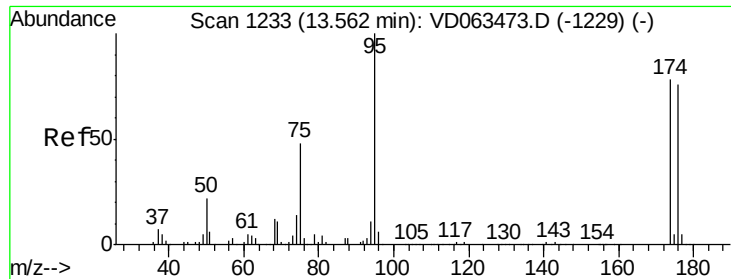
100 67.0 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 50.391 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063596.D

Acq: 15 Aug 2019 2:38

Instrument :

MSVOA_D

ClientSampleId :

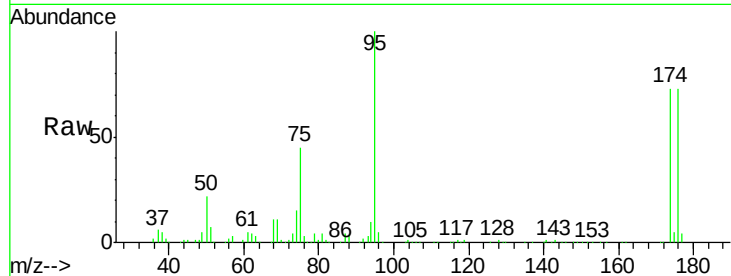
Tot Ion: 95 Resp: 570515

Ion Ratio Lower Upper

95 100

174 73.3 0.0 155.4

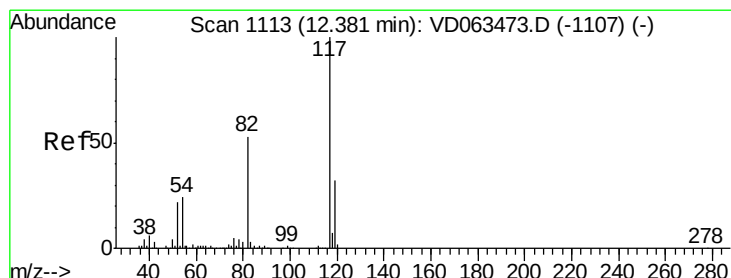
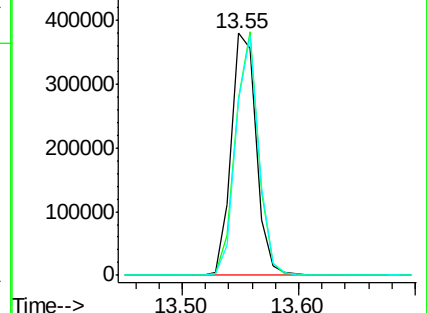
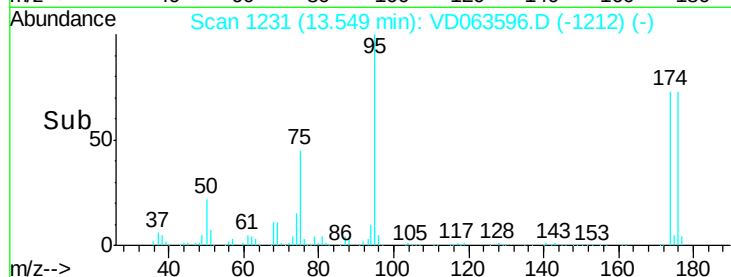
176 72.9 0.0 152.4



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: 12.37 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063596.D

Acq: 15 Aug 2019 2:38

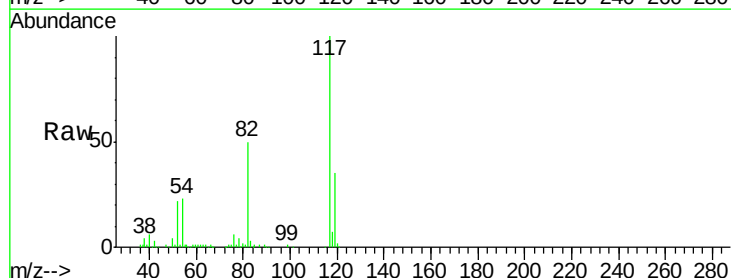
Tgt Ion: 117 Resp: 1185361

Ion Ratio Lower Upper

117 100

82 49.9 42.0 63.0

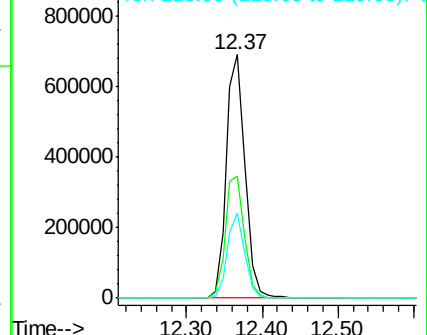
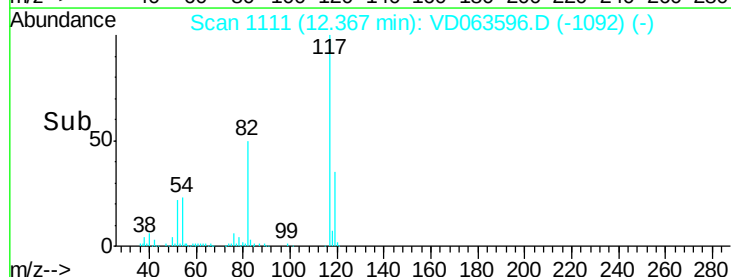
119 34.7 25.4 38.0

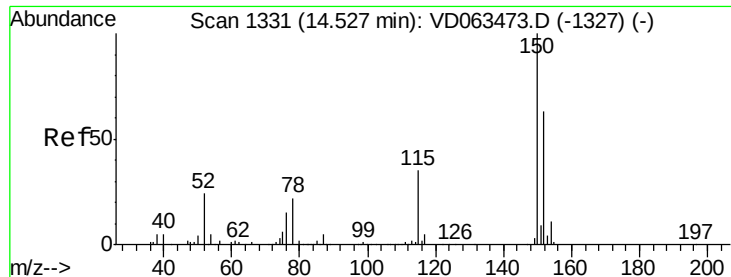


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



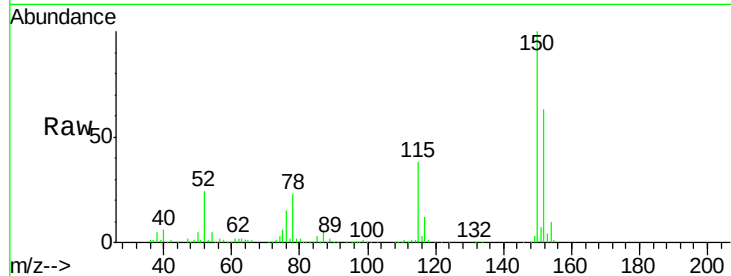


#72

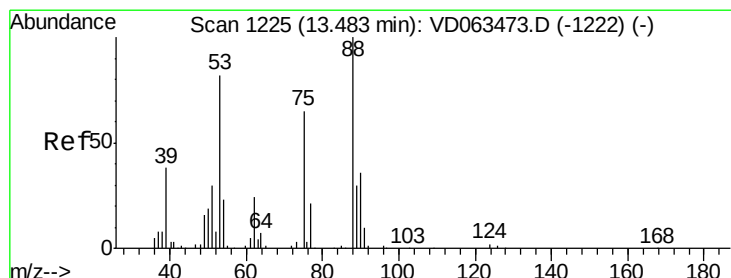
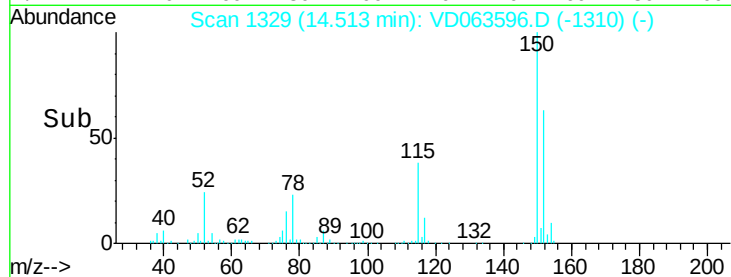
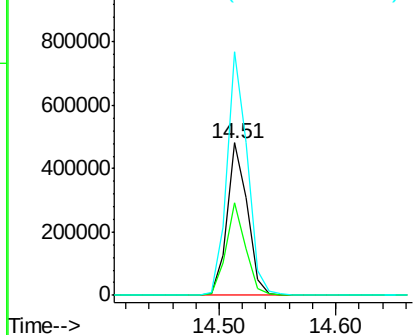
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063596.D
Acq: 15 Aug 2019 2:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.9	92.7
150	159.5	0.0	318.6



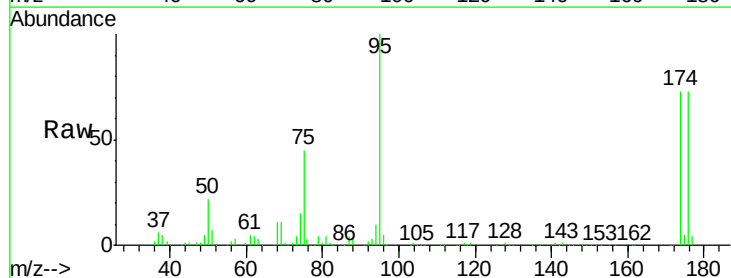
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 139.769 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD063596.D
Acq: 15 Aug 2019 2:38

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	101.0	151.4#
89	0.0	37.0	55.6#



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

