

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063543.D
 Acq On : 13 Aug 2019 22:31
 Operator : JC/SY
 Sample : K4290-02
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:31:24 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	7.06	168	970414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1331328	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1040630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	461157	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	412068	39.73	ug/l	0.00
Spiked Amount			Recovery	=	79.46%	
35) Dibromofluoromethane	6.93	113	504117	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
50) Toluene-d8	10.41	98	1040169	42.20	ug/l	0.00
Spiked Amount			Recovery	=	84.40%	
62) 4-Bromofluorobenzene	13.55	95	386900	34.63	ug/l	0.00
Spiked Amount			Recovery	=	69.26%	

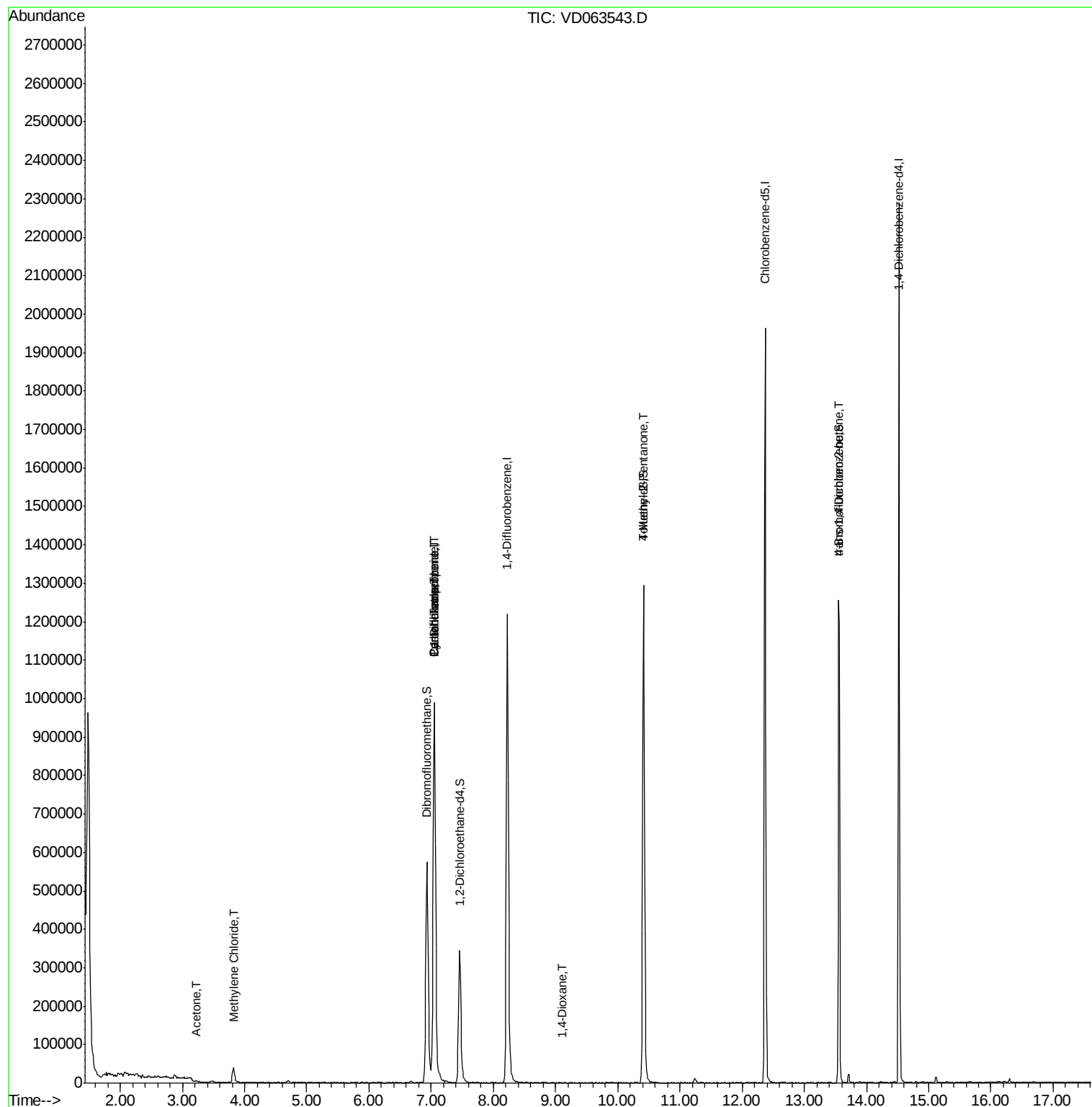
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	5483	2.600	ug/l #	76
20) Methylene Chloride	3.83	84	22500	2.468	ug/l #	87
31) Cyclohexane	7.04	56	21234	2.267	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	71441	6.070	ug/l #	49
38) Carbon Tetrachloride	7.06	117	97964	5.523	ug/l #	17
49) 1,4-Dioxane	9.11	88	203	29.689	ug/l #	34
51) 4-Methyl-2-Pentanone	10.41	43	7020	1.553	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	175346	123.266	ug/l #	1

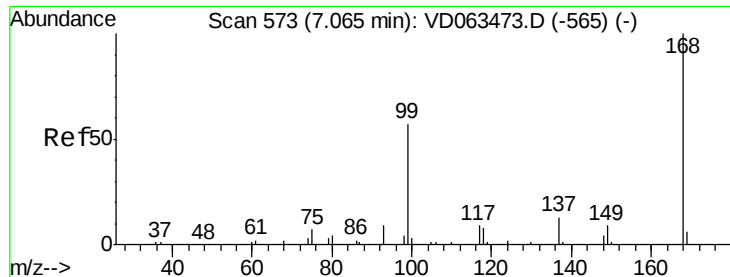
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

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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: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

Instrument :

MSVOA_D

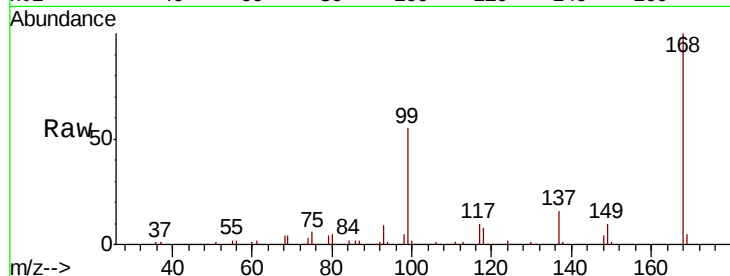
ClientSampleId :

Tot Ion:168 Resp: 970414

Ion Ratio Lower Upper

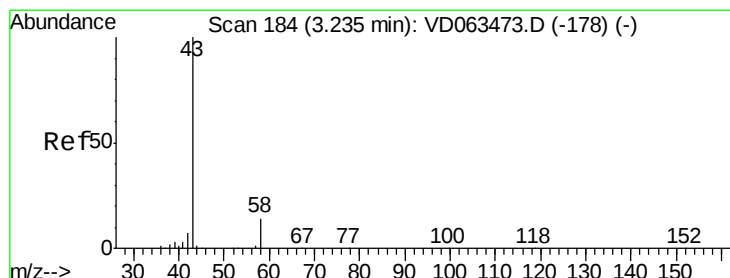
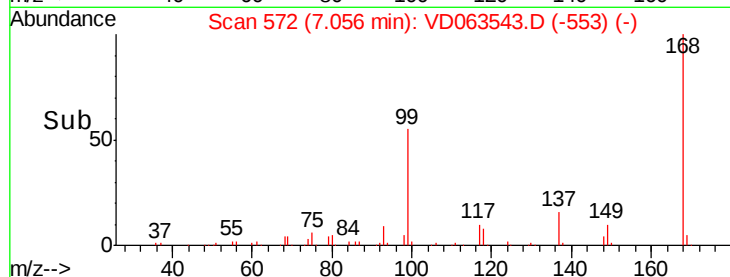
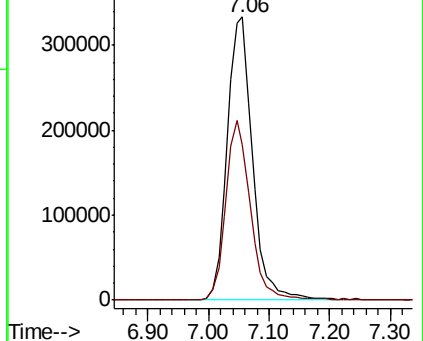
168 100

99 55.0 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: 2.600 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063543.D

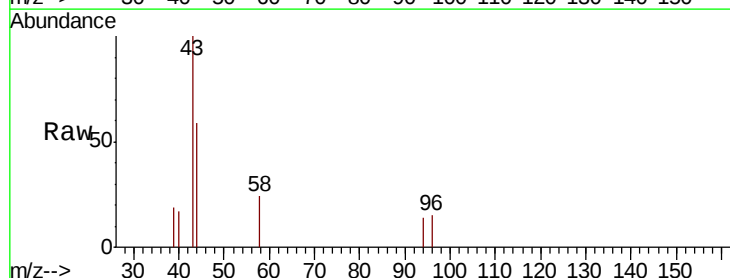
Acq: 13 Aug 2019 22:31

Tgt Ion: 43 Resp: 5483

Ion Ratio Lower Upper

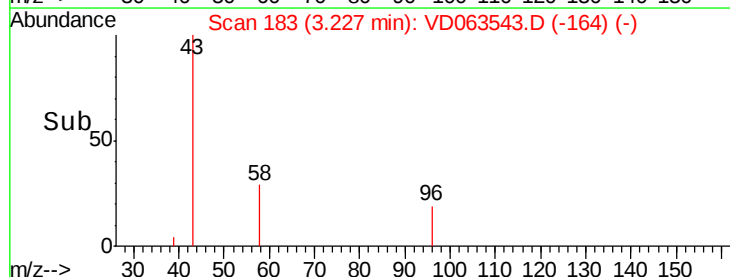
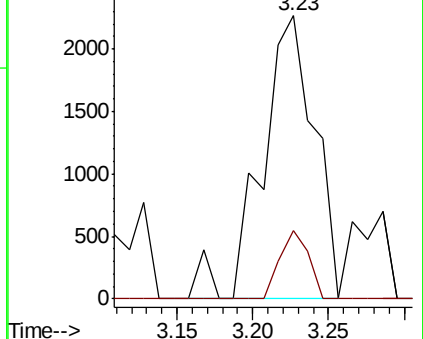
43 100

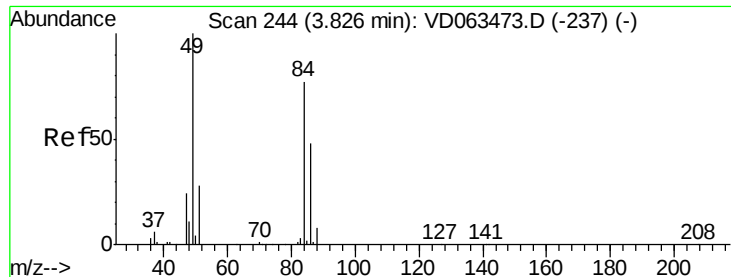
58 24.1 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

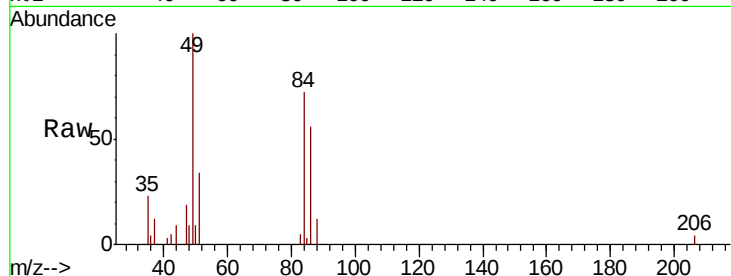




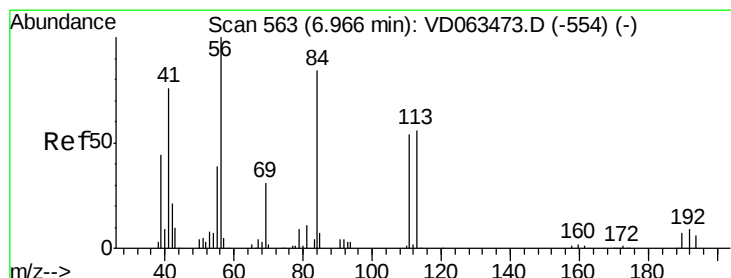
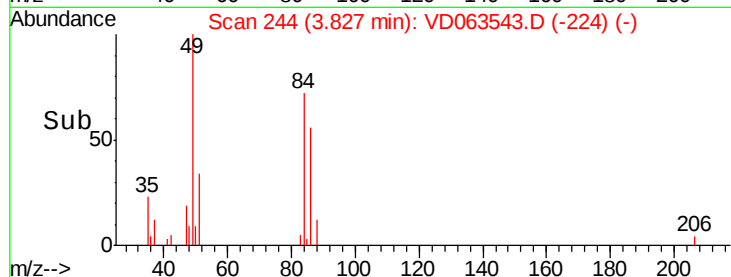
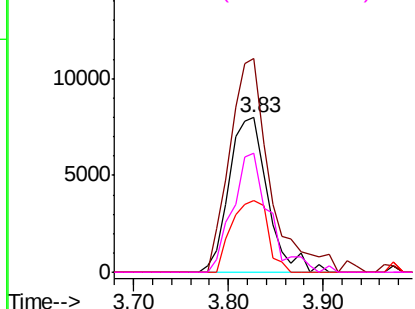
#20
Methylene Chloride
Concen: 2.468 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD063543.D
Acq: 13 Aug 2019 22:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 22500
Ion Ratio Lower Upper
84 100
49 138.0 103.4 155.2
51 46.4 28.5 42.7#
86 77.3 49.4 74.2#

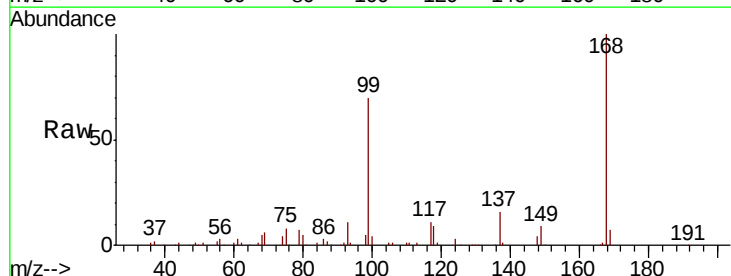


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

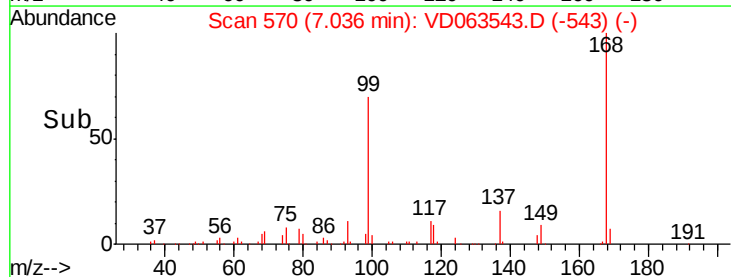
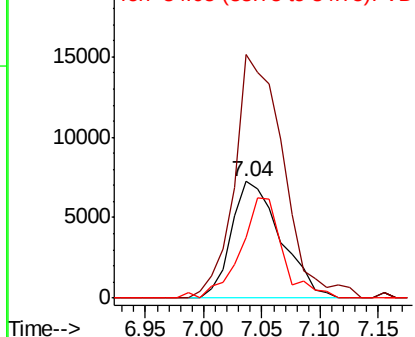


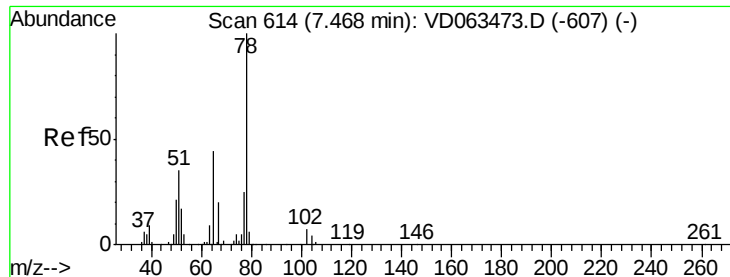
#31
Cyclohexane
Concen: 2.267 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063543.D
Acq: 13 Aug 2019 22:31

Tgt Ion: 56 Resp: 21234
Ion Ratio Lower Upper
56 100
69 208.6 25.0 37.6#
84 52.2 69.7 104.5#



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: 39.725 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

Instrument :

MSVOA_D

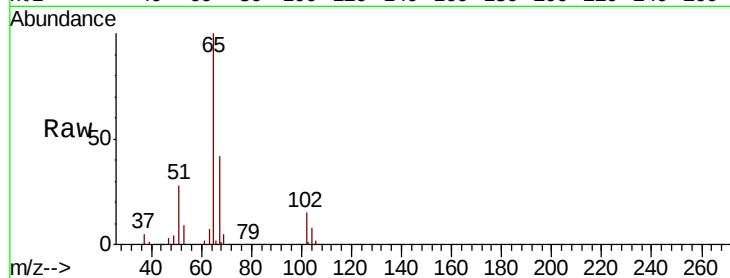
ClientSampleId :

Tot Ion: 65 Resp: 412068

Ion Ratio Lower Upper

65 100

67 42.0 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

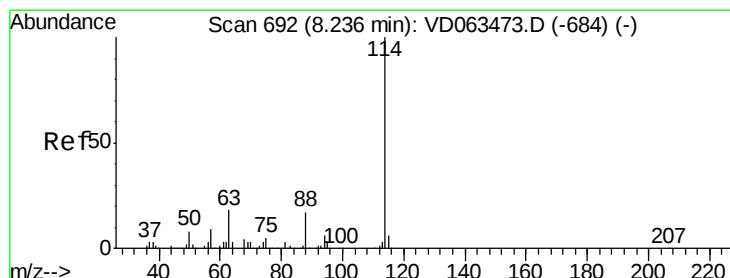
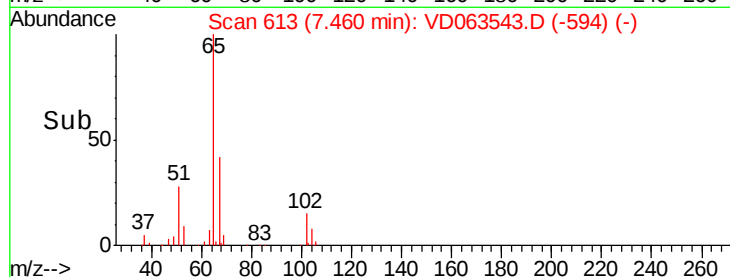
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

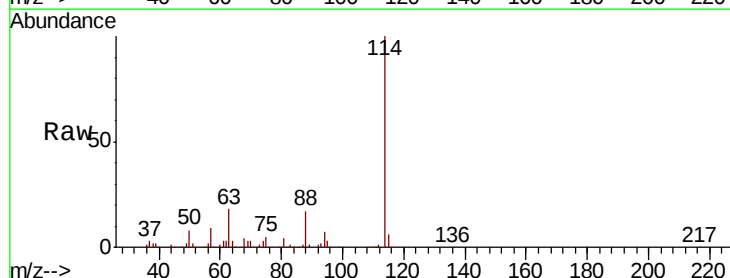
Tgt Ion: 114 Resp: 1331328

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.2

88 17.4 0.0 35.0



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

8.23

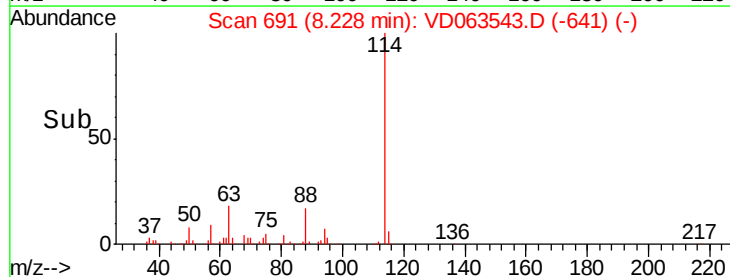
600000

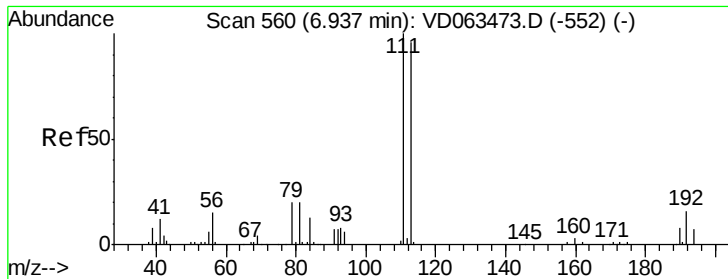
400000

200000

0

Time--> 8.10 8.20 8.30 8.40

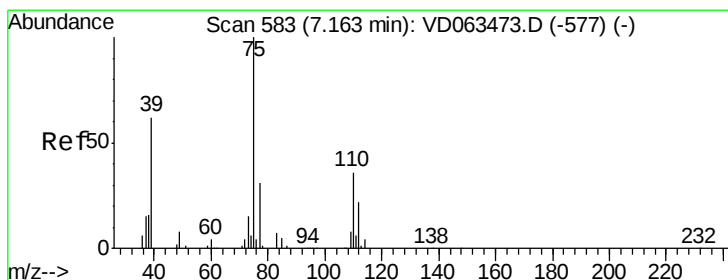
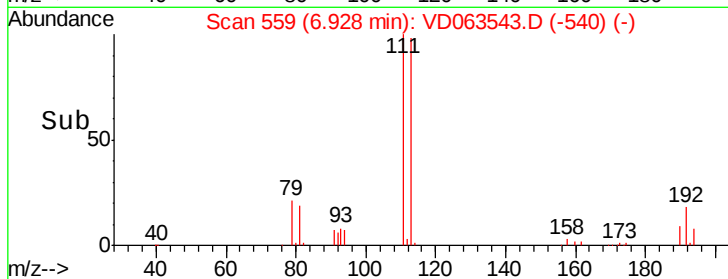
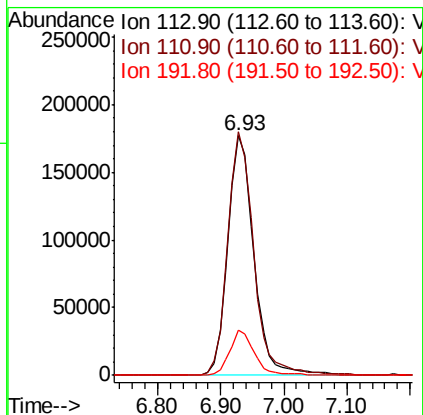
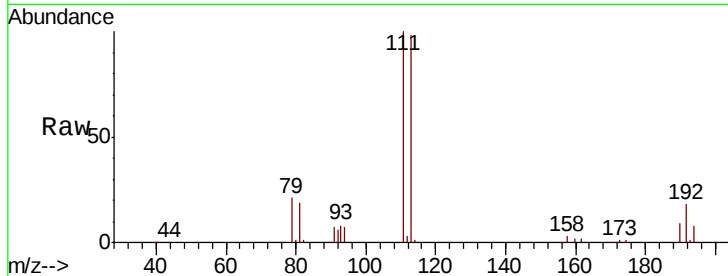




#35
 Dibromofluoromethane
 Concen: 44.960 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD063543.D
 Acq: 13 Aug 2019 22:31

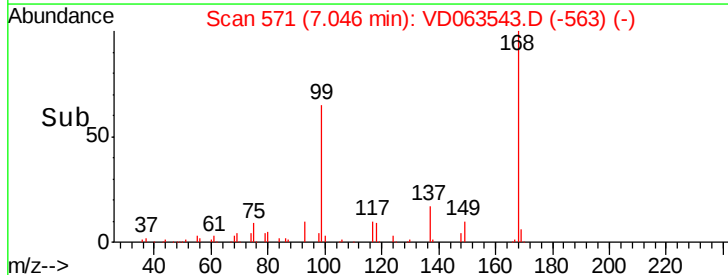
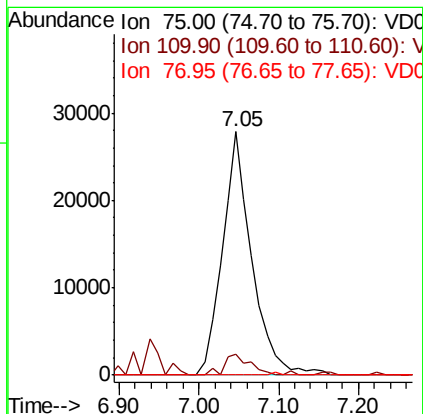
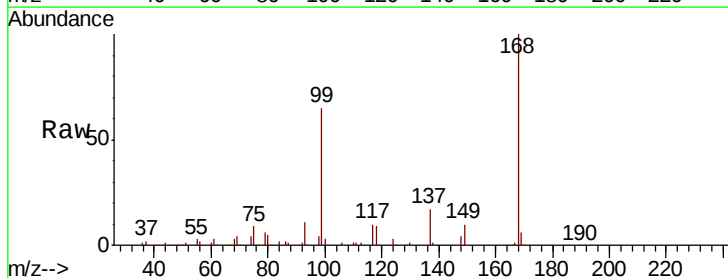
Instrument :
 MSVOA_D
 ClientSampleID :

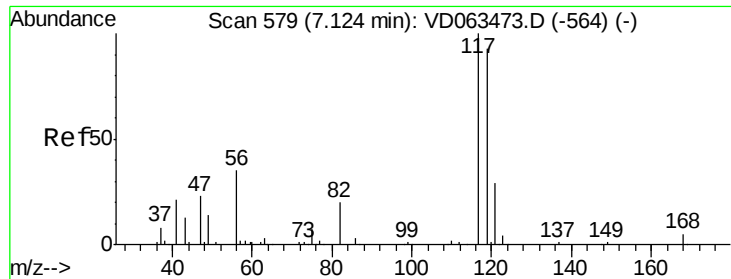
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	18.6	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 6.070 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063543.D
 Acq: 13 Aug 2019 22:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.6	52.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 5.523 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

Instrument :

MSVOA_D

ClientSampleId :

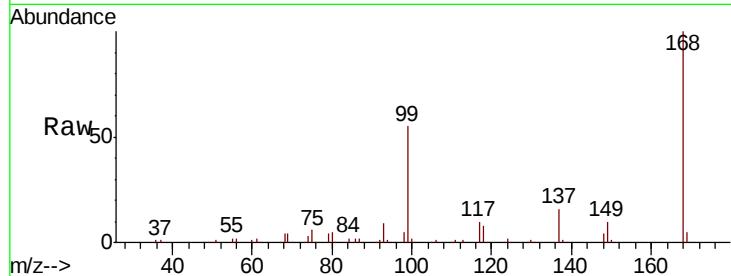
Tot Ion:117 Resp: 97964

Ion Ratio Lower Upper

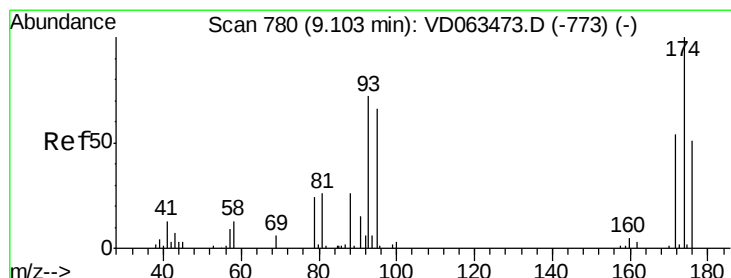
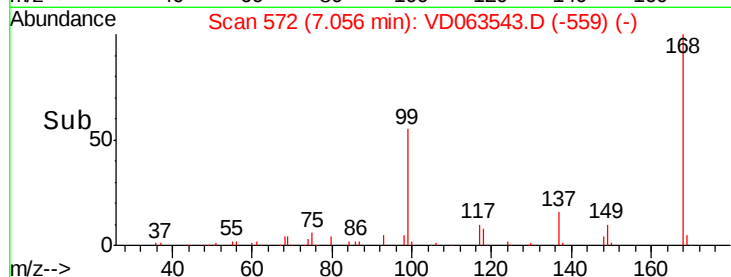
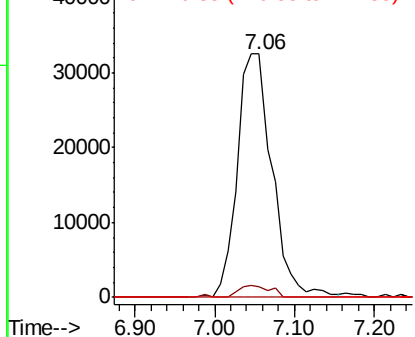
117 100

119 4.1 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



#49

1,4-Dioxane

Concen: 29.689 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

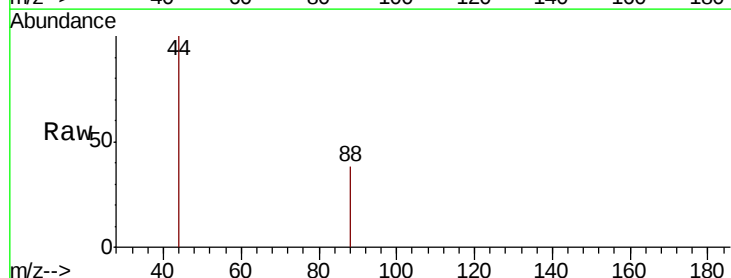
Tgt Ion: 88 Resp: 203

Ion Ratio Lower Upper

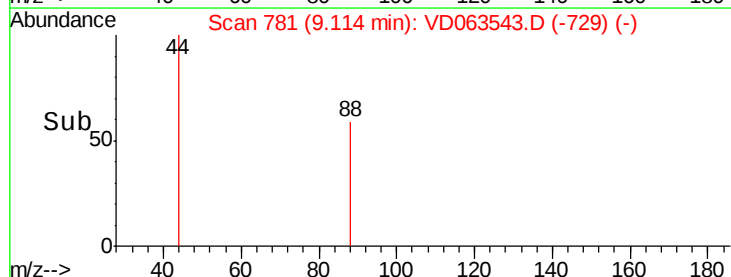
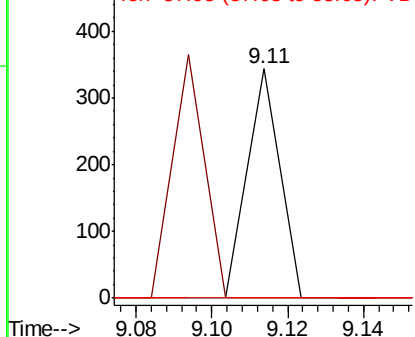
88 100

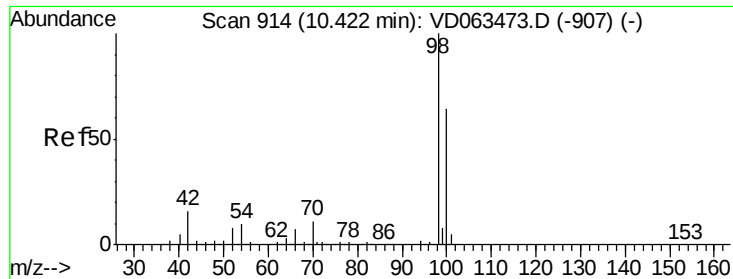
43 0.0 22.9 34.3#

58 0.0 40.1 60.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

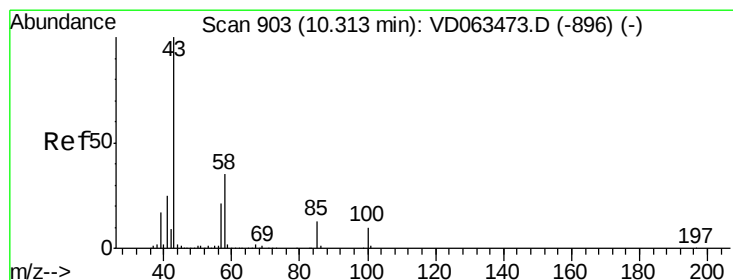
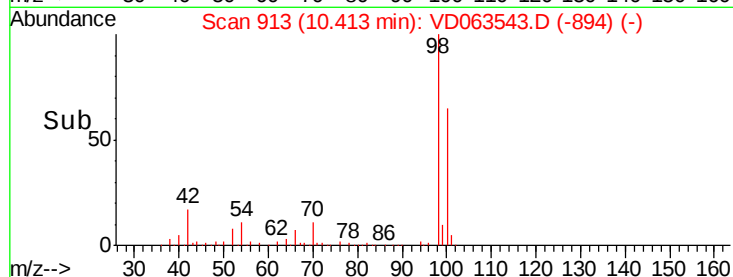
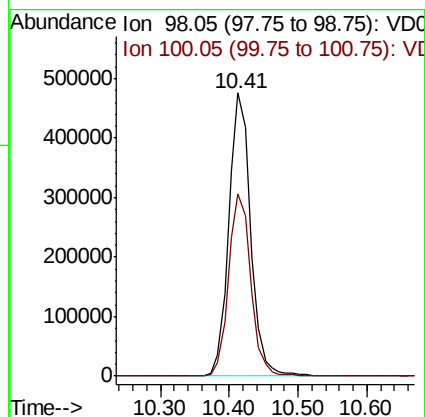
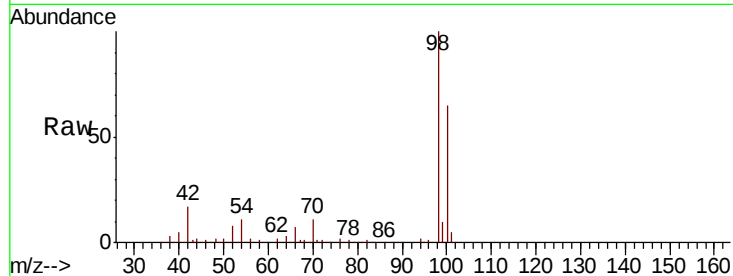




#50
Toluene-d8
Concen: 42.195 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063543.D
Acq: 13 Aug 2019 22:31

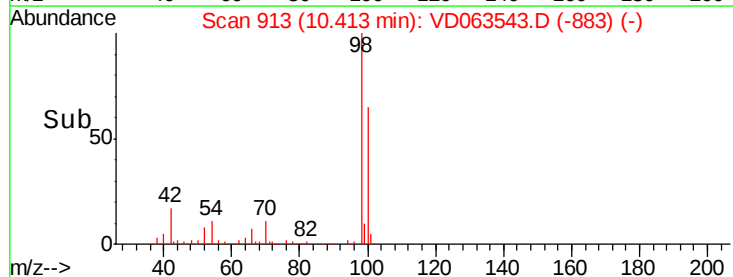
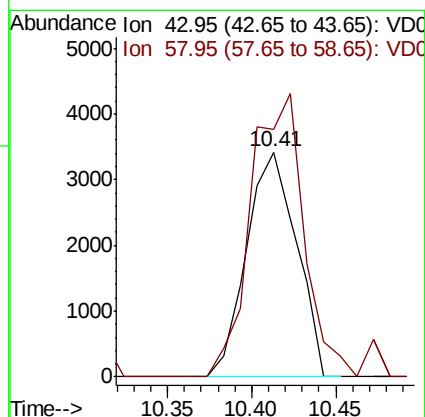
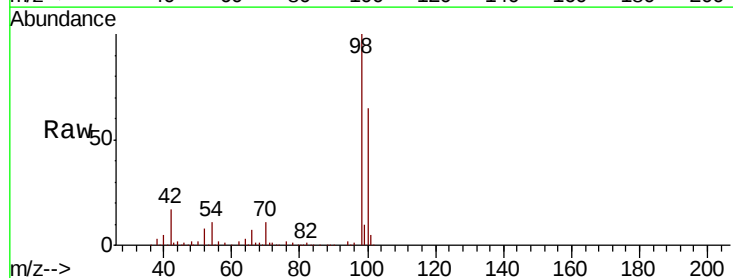
Instrument :
MSVOA_D
ClientSampleId :

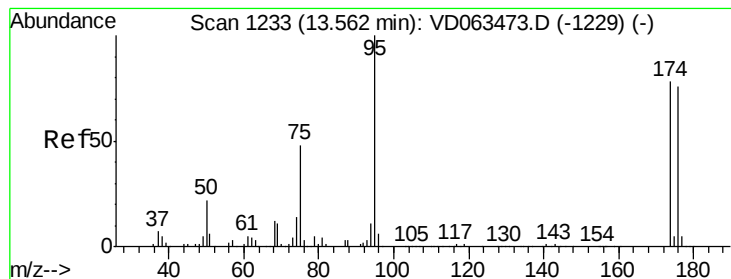
Tot Ion: 98 Resp: 1040169
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.553 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.10 min
Lab File: VD063543.D
Acq: 13 Aug 2019 22:31

Tgt Ion: 43 Resp: 7020
Ion Ratio Lower Upper
43 100
58 109.8 28.0 42.0#





#62

4-Bromofluorobenzene

Concen: 34.628 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

Instrument :

MSVOA_D

ClientSampleId :

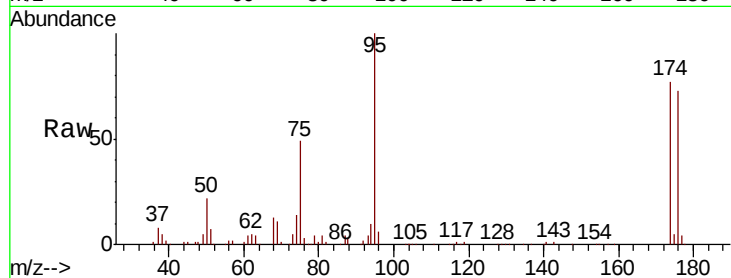
Tot Ion: 95 Resp: 386900

Ion Ratio Lower Upper

95 100

174 76.5 0.0 155.4

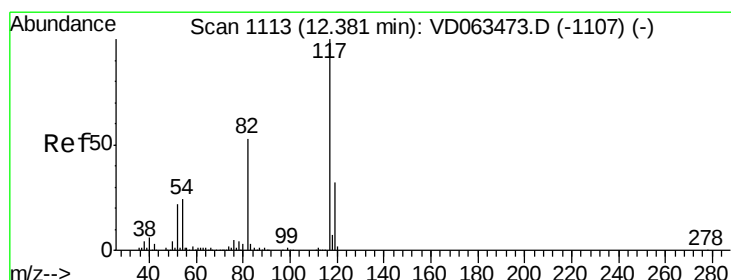
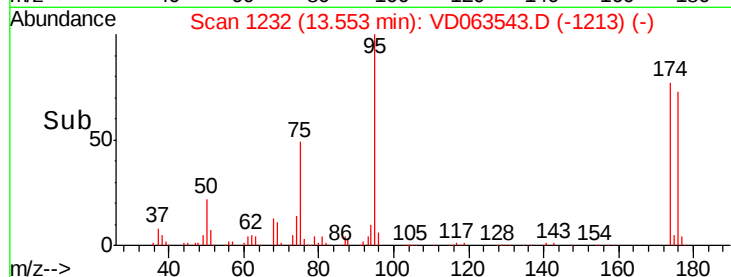
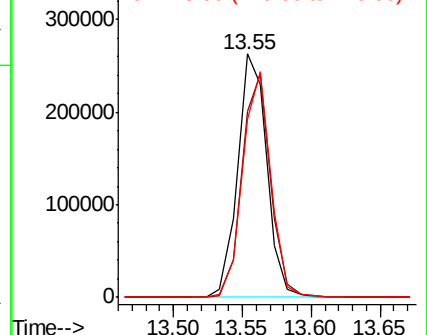
176 73.2 0.0 152.4



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# 1112

Delta R.T. -0.01 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

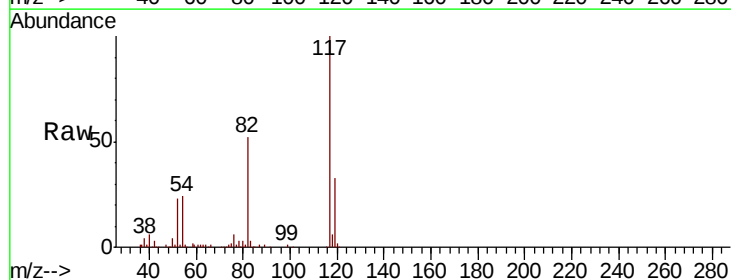
Tgt Ion: 117 Resp: 1040630

Ion Ratio Lower Upper

117 100

82 52.1 42.0 63.0

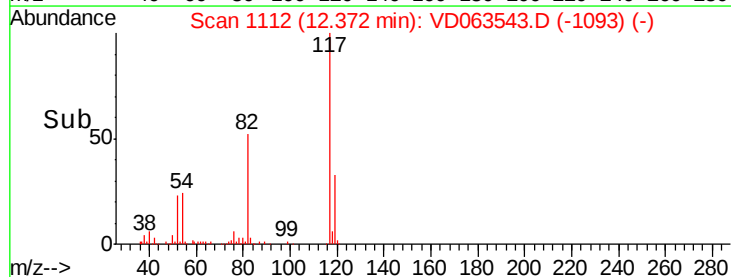
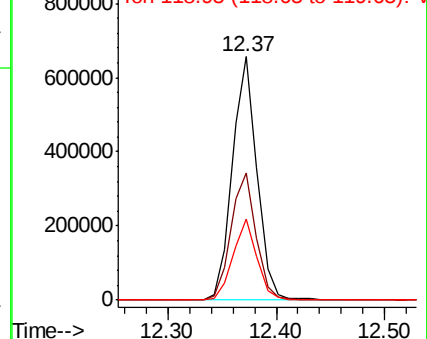
119 33.4 25.4 38.0

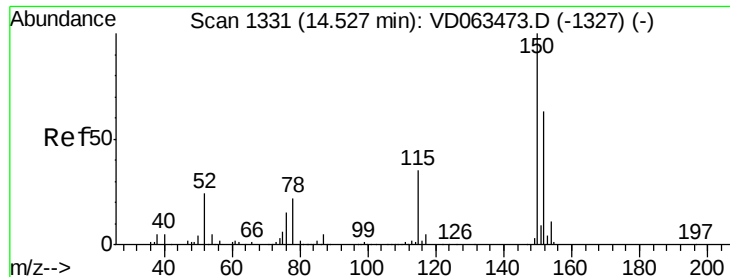


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

Instrument :

MSVOA_D

ClientSampled :

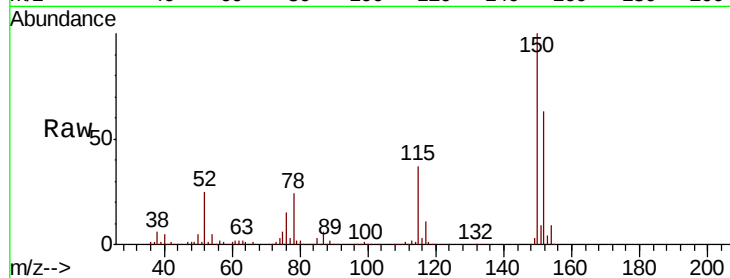
Tot Ion:152 Resp: 461157

Ion Ratio Lower Upper

152 100

115 59.4 30.9 92.7

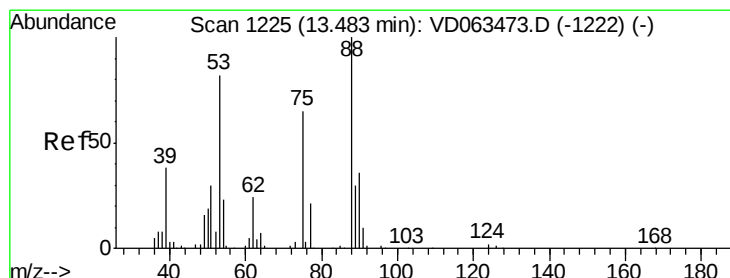
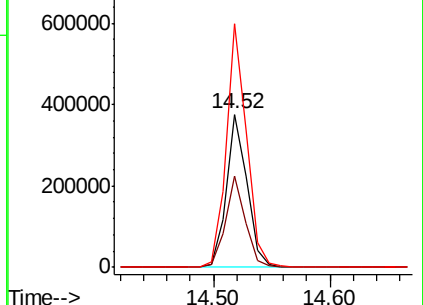
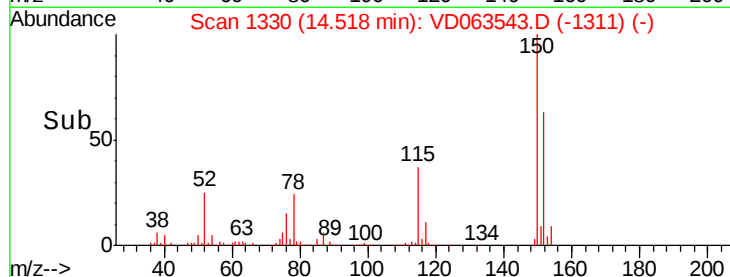
150 159.2 0.0 318.6



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: 123.266 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063543.D

Acq: 13 Aug 2019 22:31

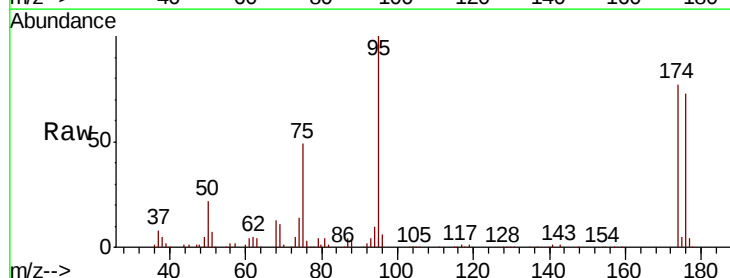
Tgt Ion: 75 Resp: 175346

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

