

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063582.D
 Acq On : 14 Aug 2019 18:58
 Operator : JC/SY
 Sample : K4319-05
 Misc : 5.65g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-1

Quant Time: Aug 15 12:46:33 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	7.05	168	26069	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	44754	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	45049	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	24815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	19017	68.25	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 136.50%
35) Dibromofluoromethane	6.92	113	16180	42.93	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 85.86%
50) Toluene-d8	10.41	98	34204	41.28	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 82.56%
62) 4-Bromofluorobenzene	13.55	95	19793	52.70	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 105.40%

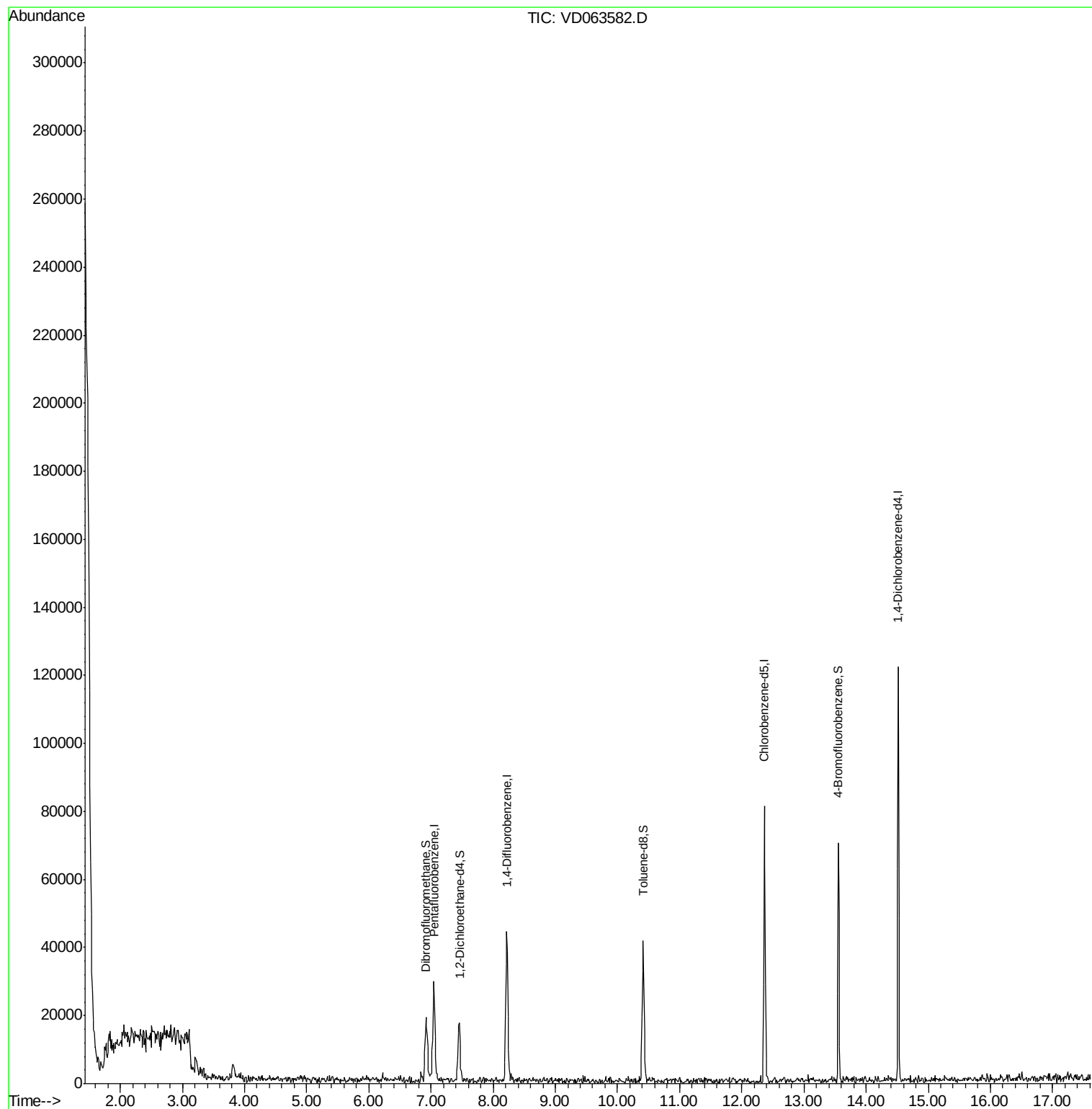
Target Compounds	Qvalue
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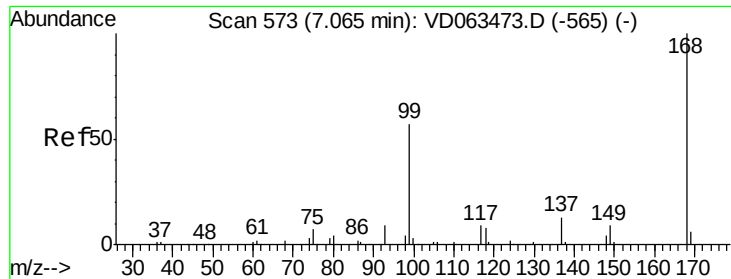
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063582.D

Acq: 14 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

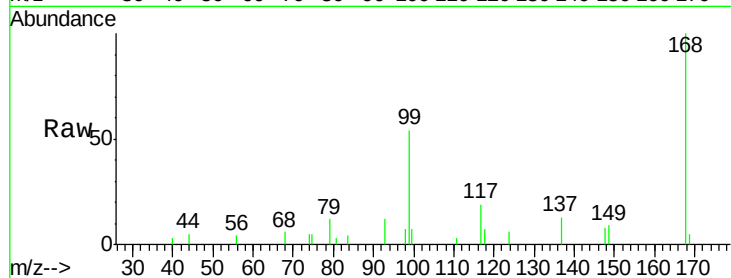
TEST-PIT-1

Tot Ion:168 Resp: 26069

Ion Ratio Lower Upper

168 100

99 60.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

12000

10000

8000

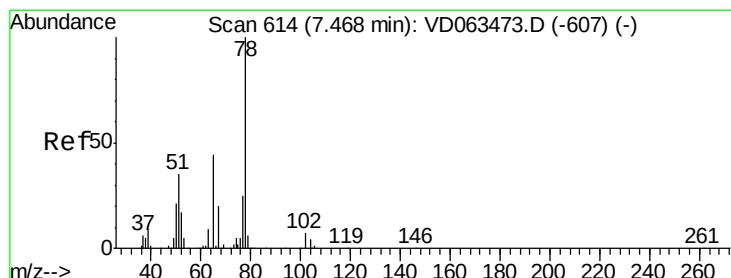
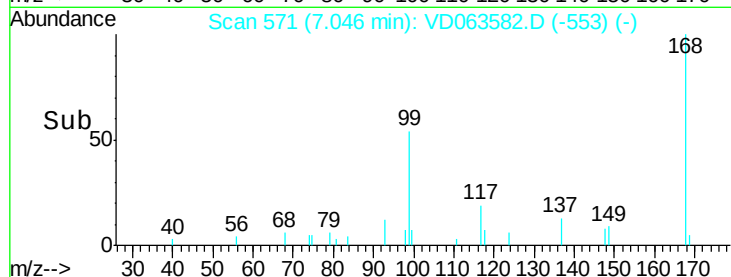
6000

4000

2000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 68.245 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063582.D

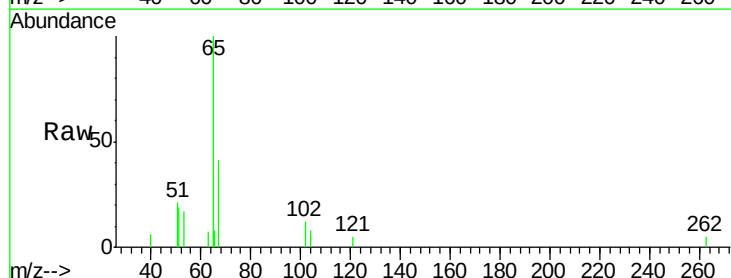
Acq: 14 Aug 2019 18:58

Tgt Ion: 65 Resp: 19017

Ion Ratio Lower Upper

65 100

67 41.2 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

8000

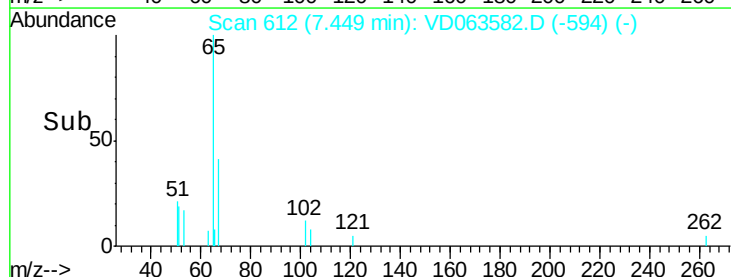
6000

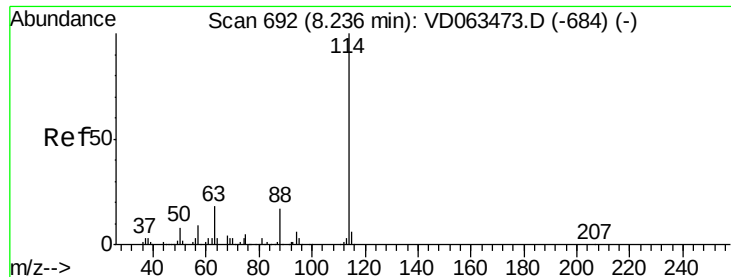
4000

2000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063582.D

Acq: 14 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-1

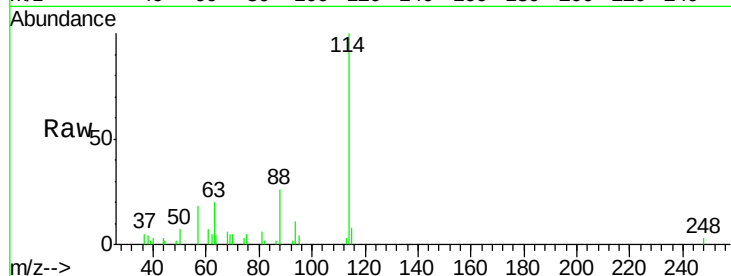
Tot Ion:114 Resp: 44754

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.2

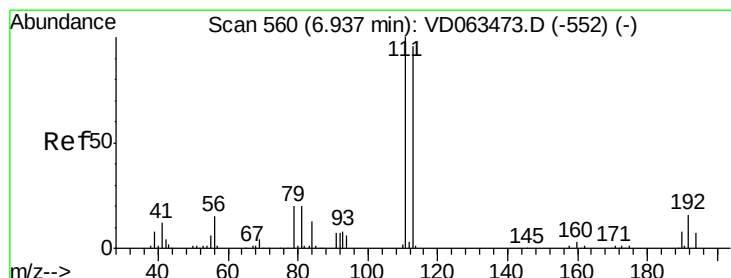
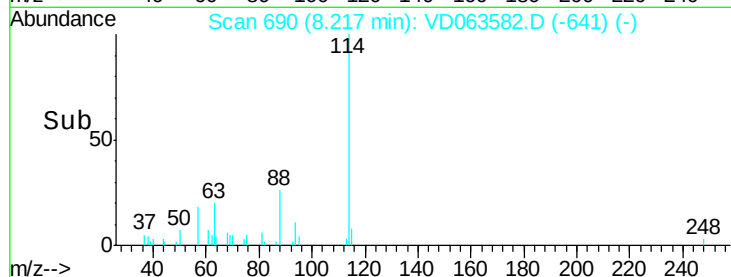
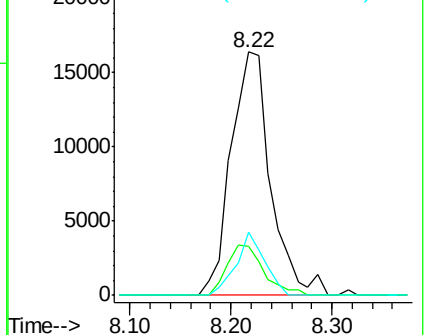
88 25.8 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 42.927 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063582.D

Acq: 14 Aug 2019 18:58

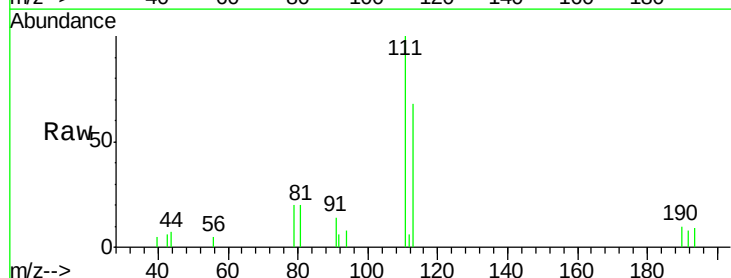
Tgt Ion:113 Resp: 16180

Ion Ratio Lower Upper

113 100

111 146.6 83.1 124.7#

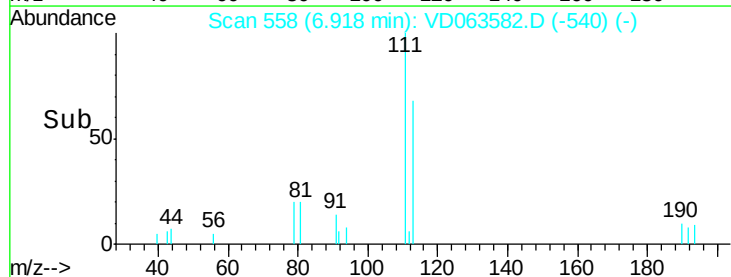
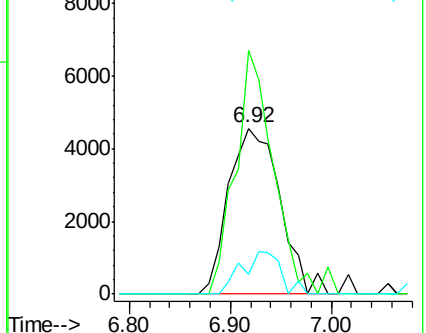
192 11.6 13.1 19.7#

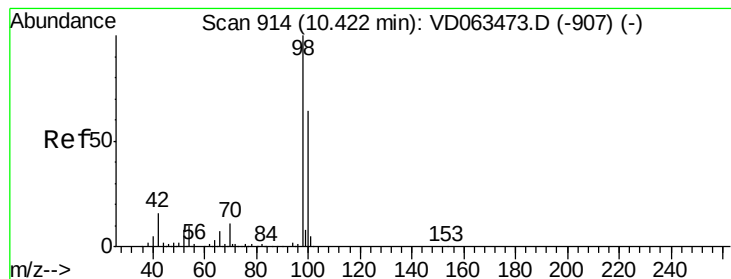


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 41.275 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063582.D

Acq: 14 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

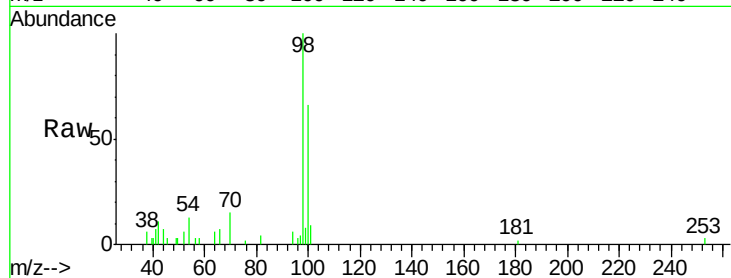
TEST-PIT-1

Tot Ion: 98 Resp: 34204

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

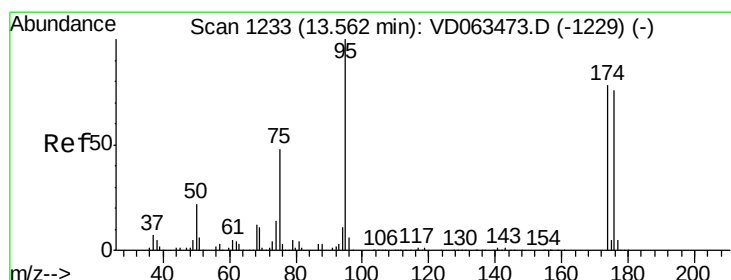
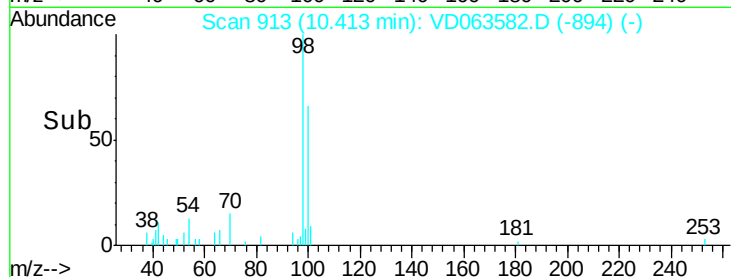
15000

10000

5000

0

Time--> 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 52.698 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063582.D

Acq: 14 Aug 2019 18:58

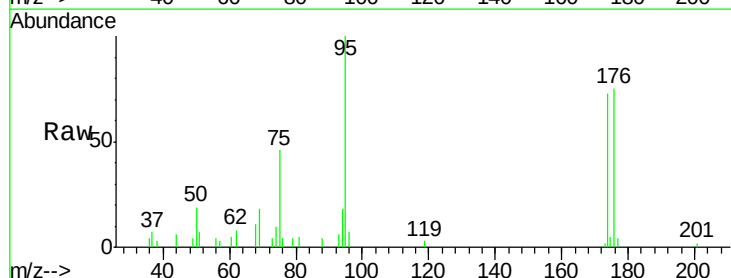
Tgt Ion: 95 Resp: 19793

Ion Ratio Lower Upper

95 100

174 78.1 0.0 155.4

176 74.6 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

20000

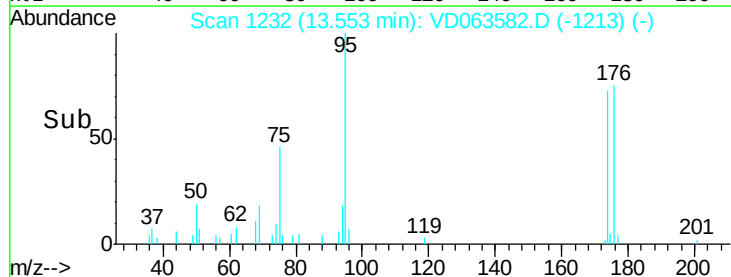
15000

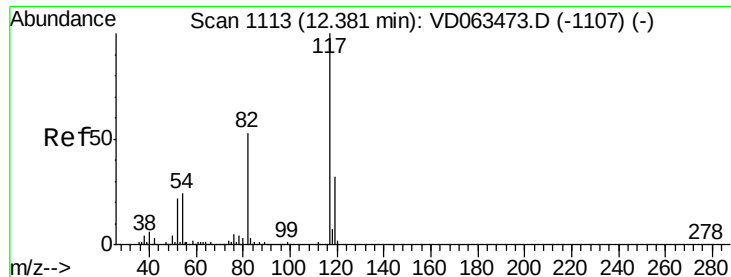
10000

5000

0

Time--> 13.50 13.55 13.60

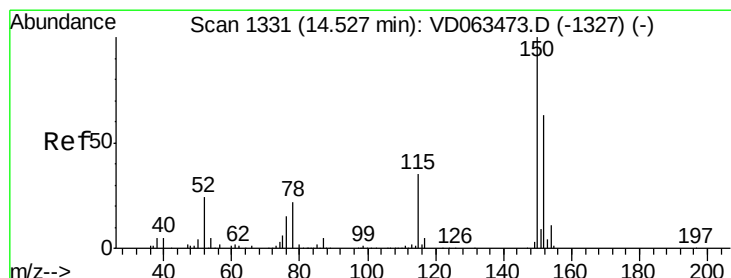
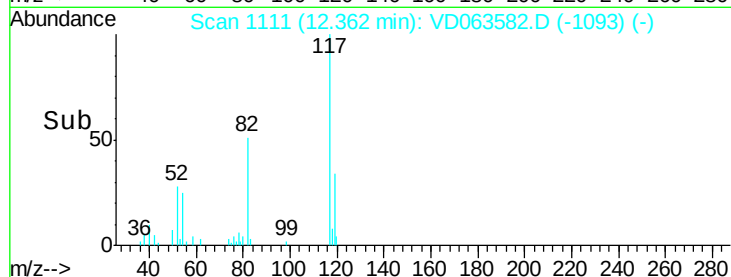
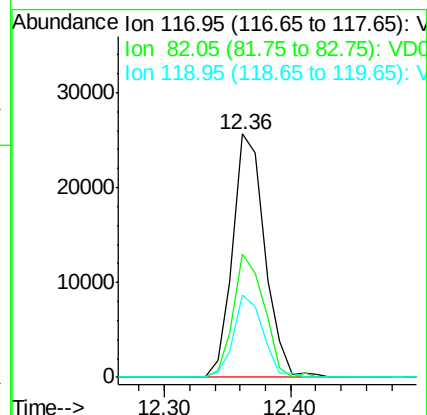
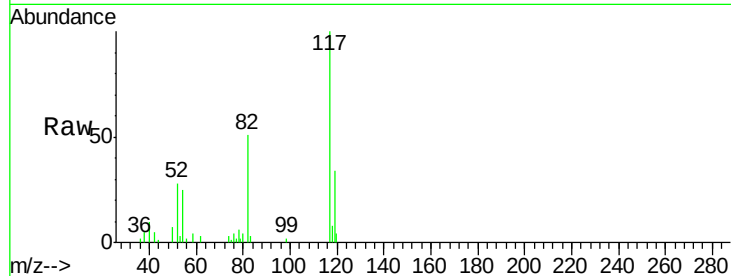




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063582.D
Acq: 14 Aug 2019 18:58

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-1

Tot Ion:117 Resp: 45049
Ion Ratio Lower Upper
117 100
82 50.8 42.0 63.0
119 33.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063582.D
Acq: 14 Aug 2019 18:58

Tgt Ion:152 Resp: 24815
Ion Ratio Lower Upper
152 100
115 60.0 30.9 92.7
150 124.0 0.0 318.6

