

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064432.D
 Acq On : 05 Dec 2019 13:12
 Operator : VA/SY
 Sample : K6162-02
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2

Quant Time: Dec 06 06:21:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	650042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1052829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	960981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	461784	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	290305	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.92	113	322646	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.34	98	1269714	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.64	95	408139	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

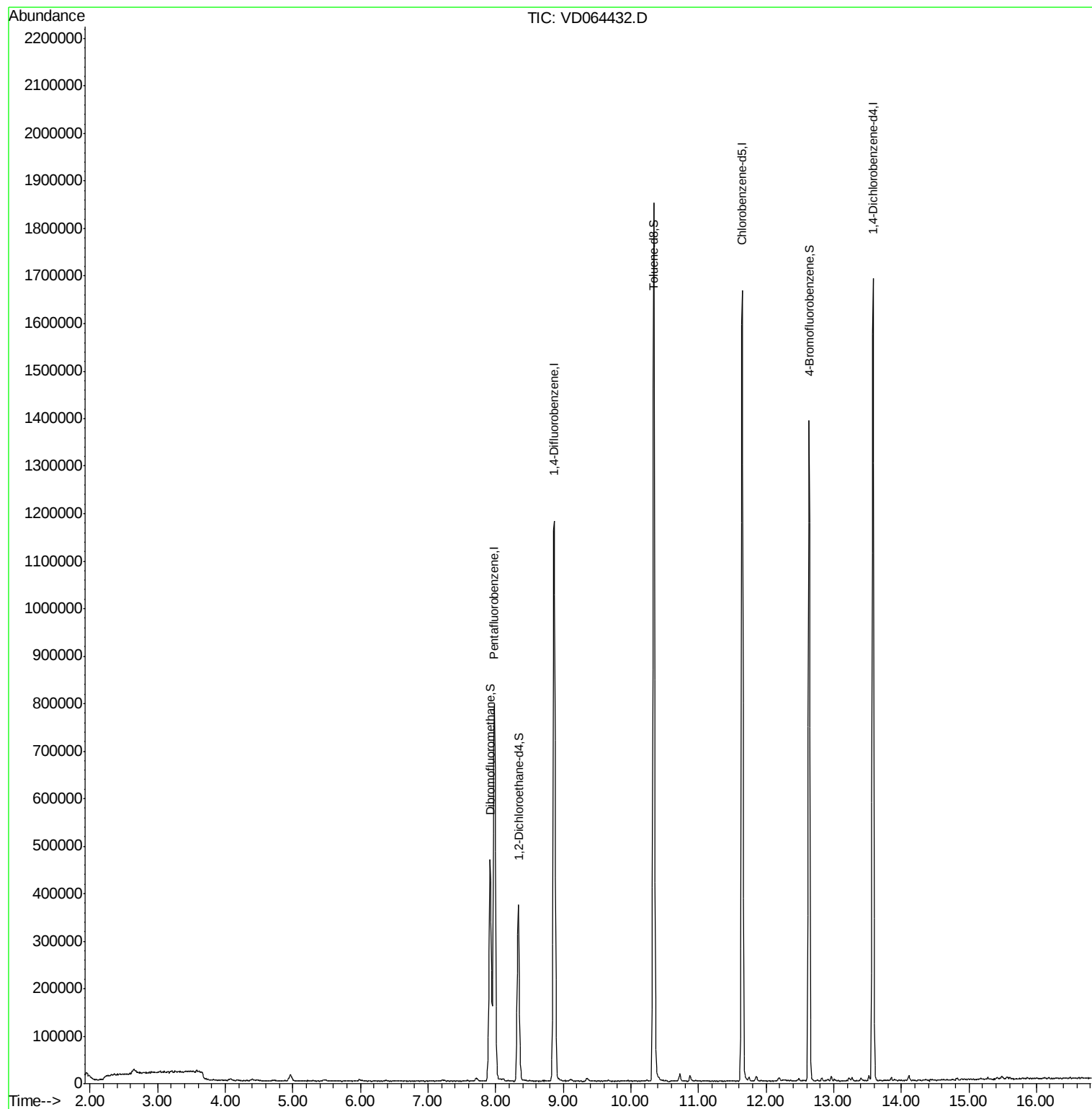
Target Compounds	Qvalue

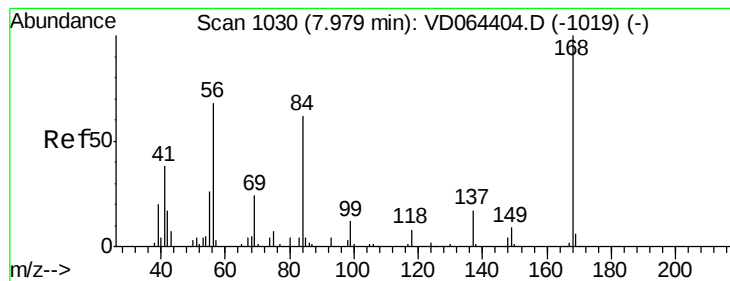
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

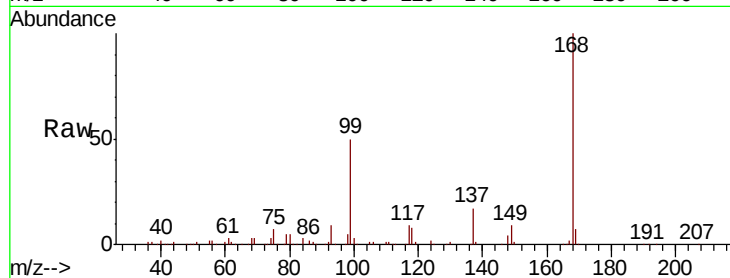
Instrument :
MSVOA_D
ClientSampleId :
TP2

Tot Ion:168 Resp: 650042

Ion Ratio Lower Upper

168 100

99 50.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

250000

200000

150000

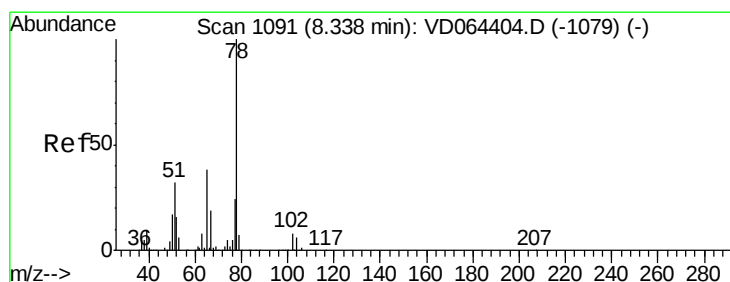
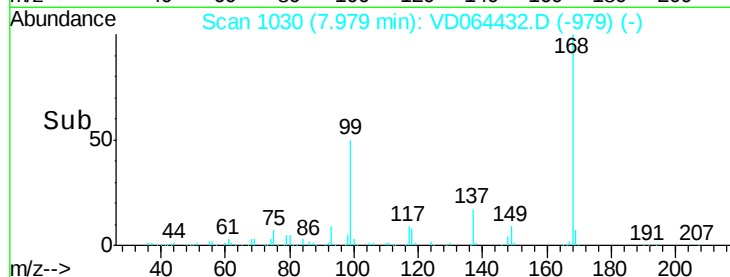
100000

50000

0

Time-->

7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 49.339 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064432.D

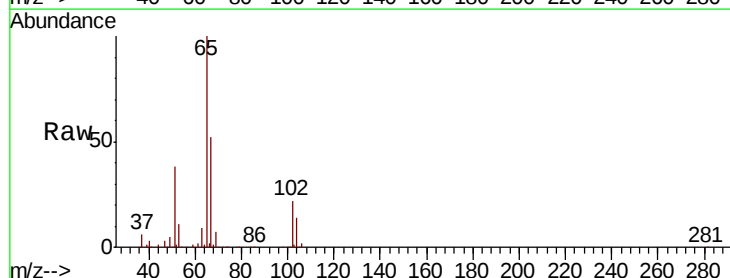
Acq: 05 Dec 2019 13:12

Tgt Ion: 65 Resp: 290305

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

150000

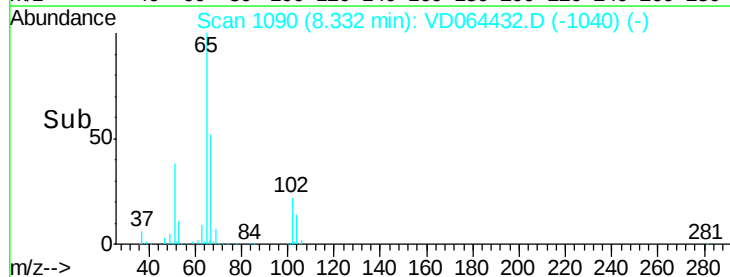
100000

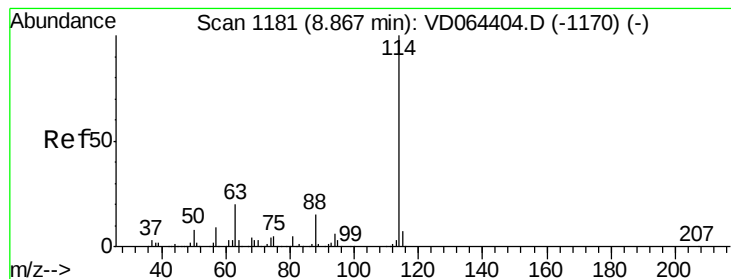
50000

0

Time-->

8.20 8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

TP2

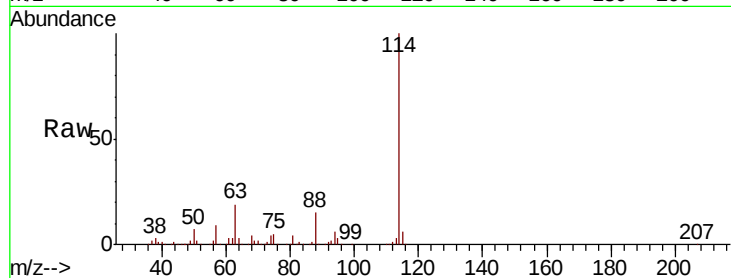
Tot Ion:114 Resp: 1052829

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

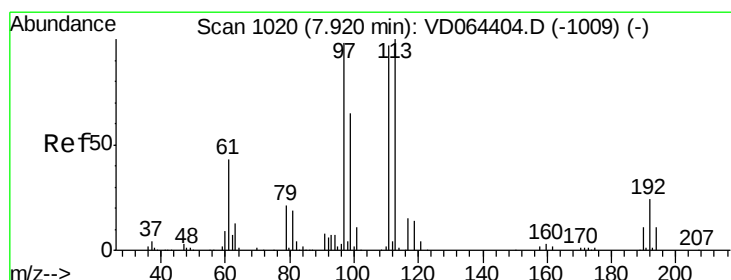
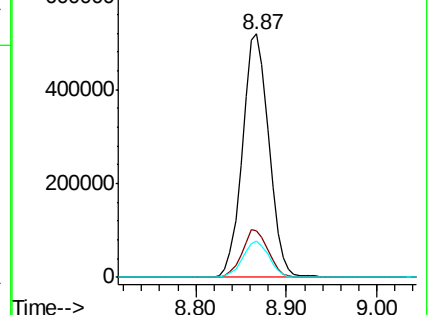
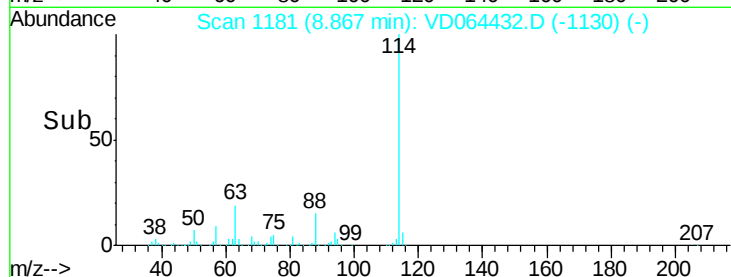
88 15.1 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.640 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

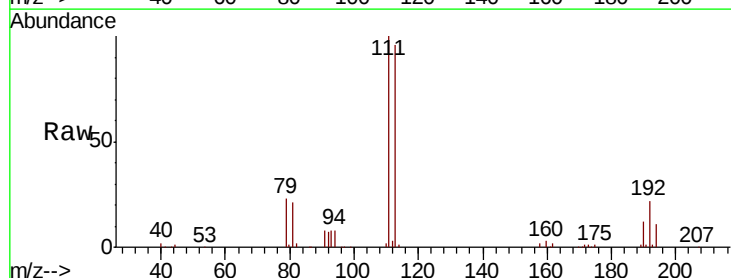
Tgt Ion:113 Resp: 322646

Ion Ratio Lower Upper

113 100

111 102.5 79.4 119.2

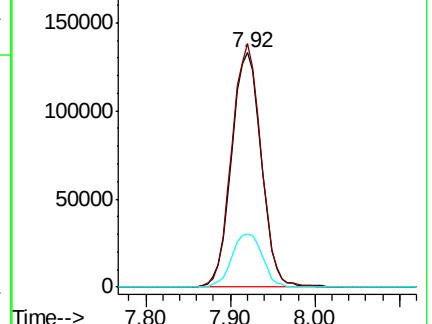
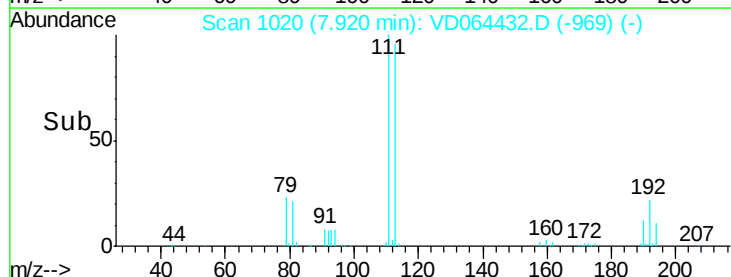
192 23.4 18.6 28.0

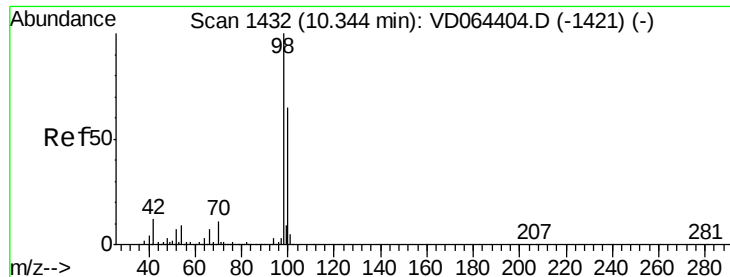


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.815 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

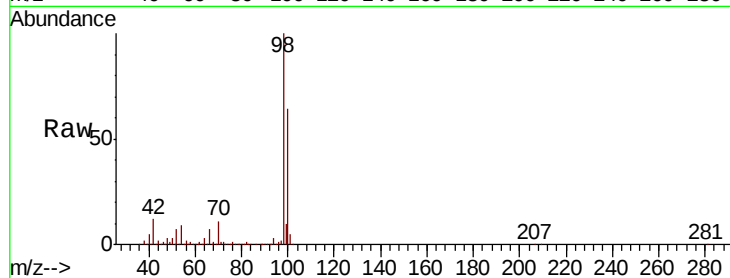
TP2

Tot Ion: 98 Resp: 1269714

Ion Ratio Lower Upper

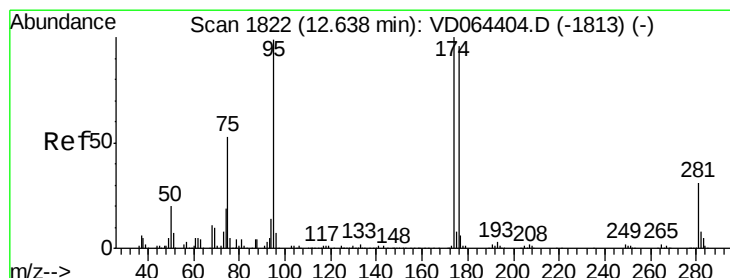
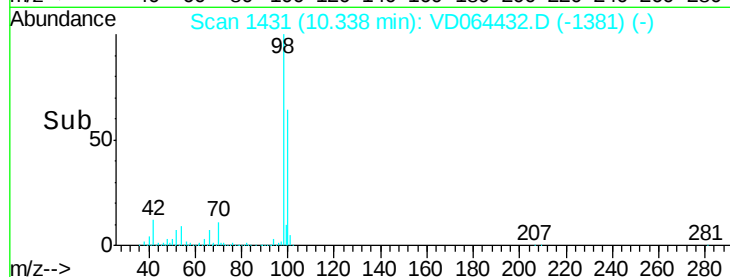
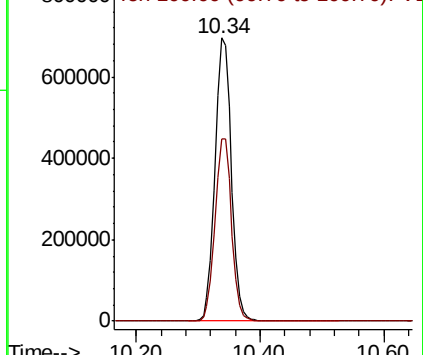
98 100

100 65.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.826 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

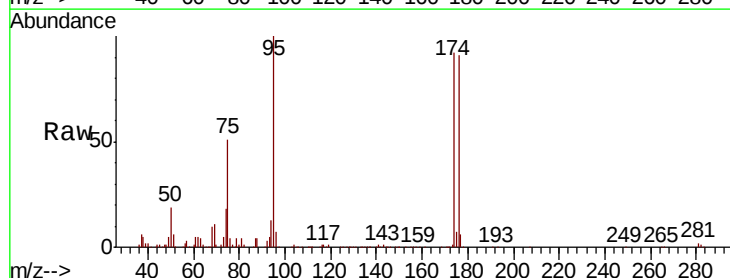
Tgt Ion: 95 Resp: 408139

Ion Ratio Lower Upper

95 100

174 95.7 0.0 197.2

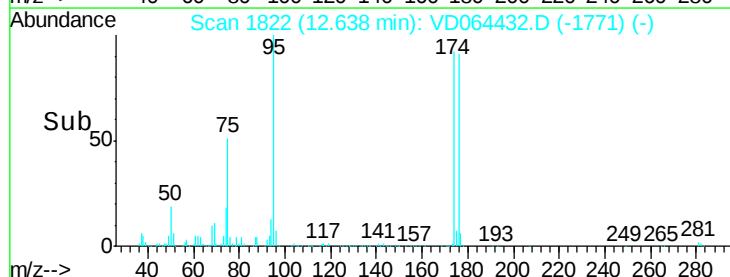
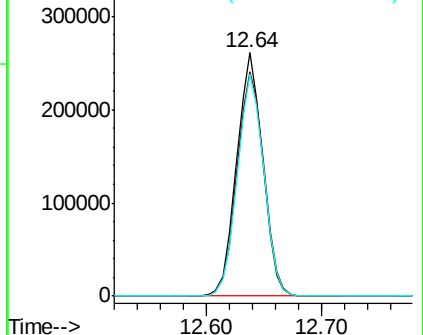
176 92.4 0.0 189.6

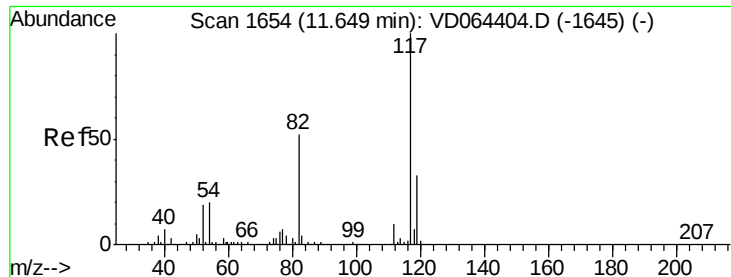


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

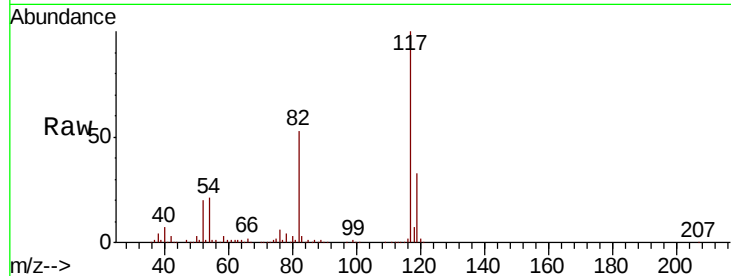




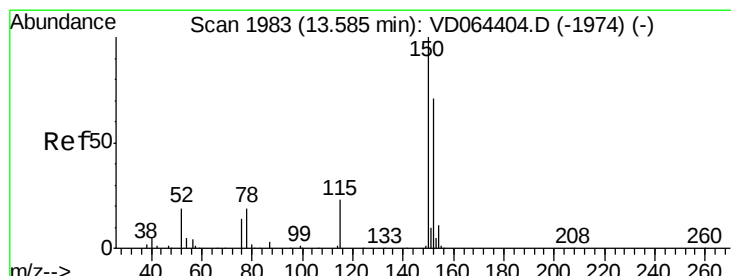
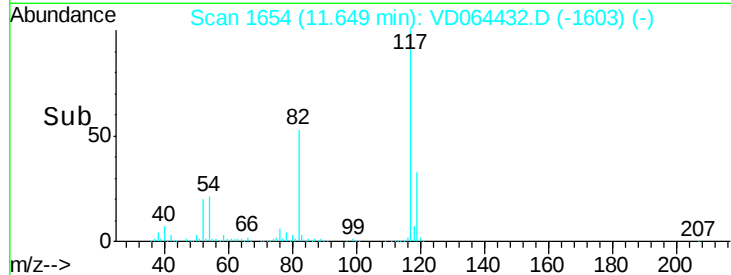
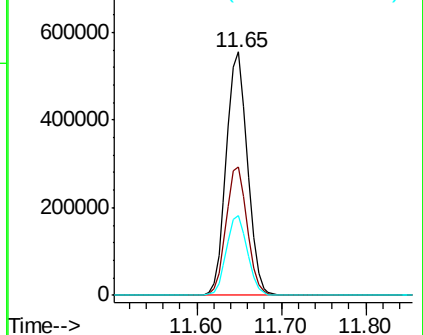
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064432.D
Acq: 05 Dec 2019 13:12

Instrument :
MSVOA_D
ClientSampleId :
TP2

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.4	62.2
119	32.8	26.2	39.2

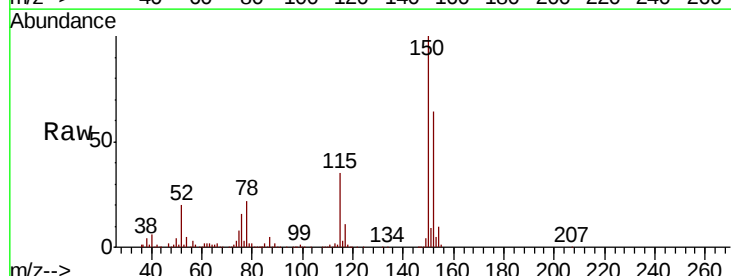


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064432.D
Acq: 05 Dec 2019 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.7	80.1
150	157.1	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

