

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064433.D
 Acq On : 05 Dec 2019 13:41
 Operator : VA/SY
 Sample : K6147-06
 Misc : 5.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-WC006

Quant Time: Dec 06 06:23:41 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	611266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	989361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	870923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	394832	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	257367	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	7.92	113	298700	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	10.34	98	1179324	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.64	95	364527	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

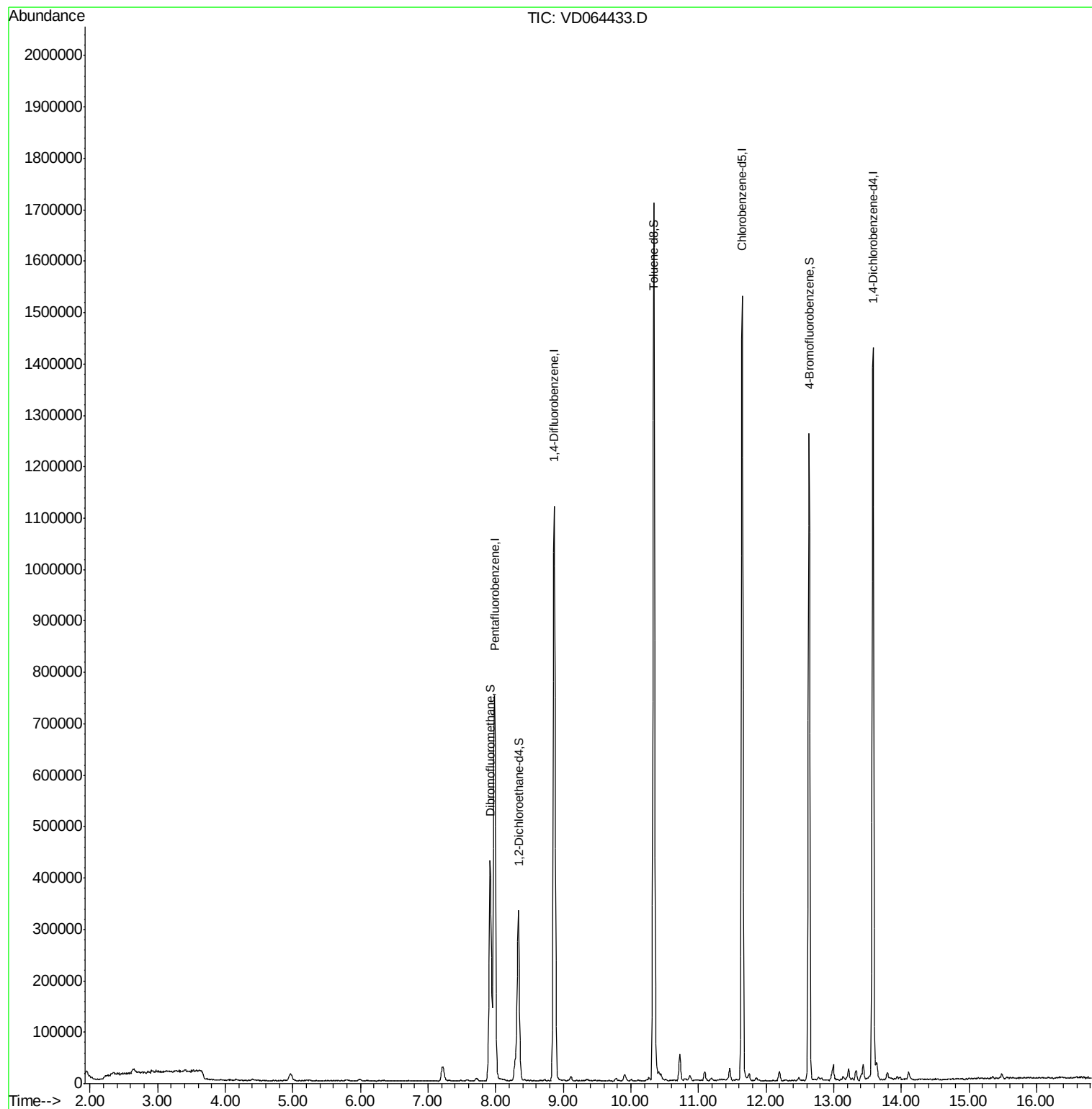
Target Compounds	Qvalue
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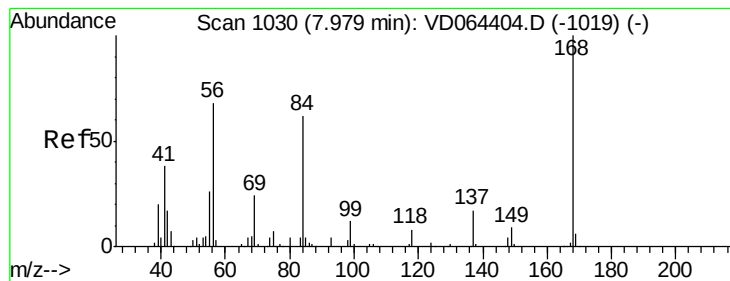
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

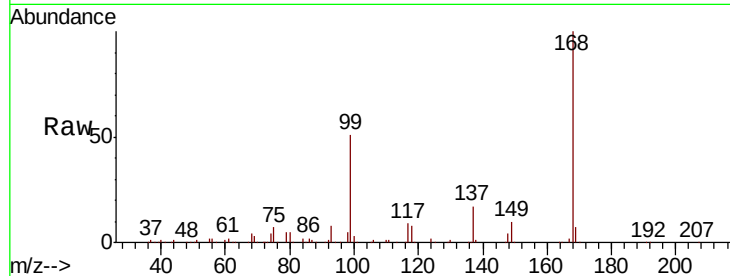
P001-WC006

Tot Ion:168 Resp: 611266

Ion Ratio Lower Upper

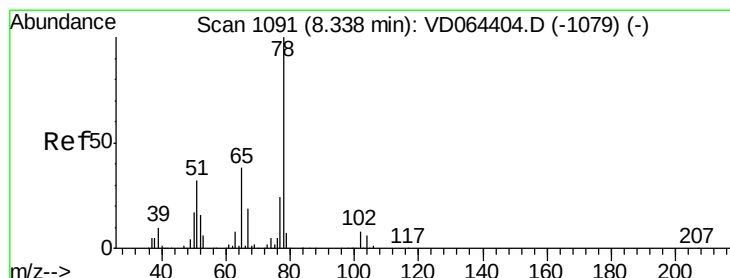
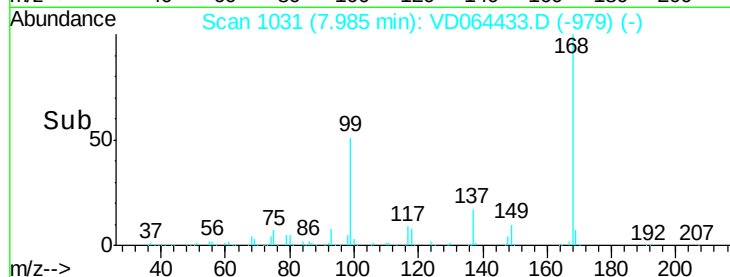
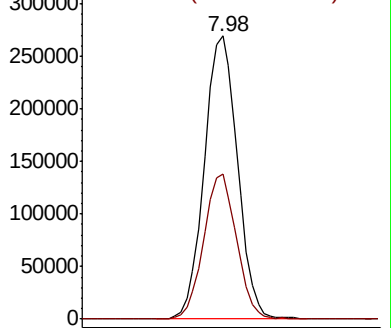
168 100

99 51.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 46.516 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064433.D

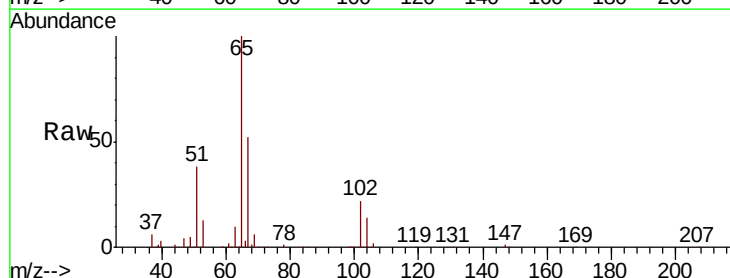
Acq: 05 Dec 2019 13:41

Tgt Ion: 65 Resp: 257367

Ion Ratio Lower Upper

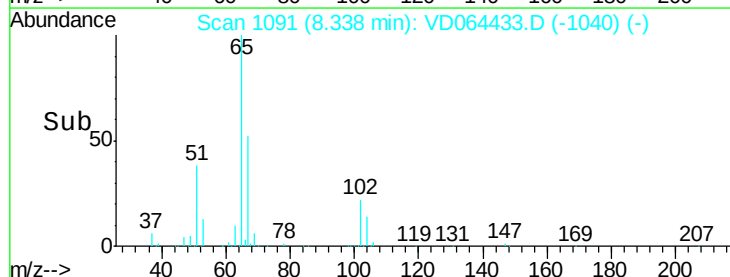
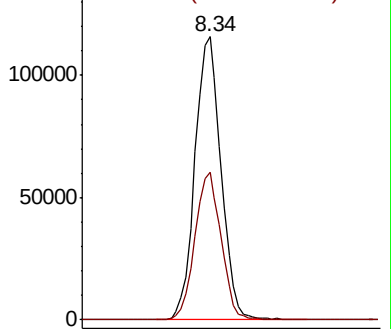
65 100

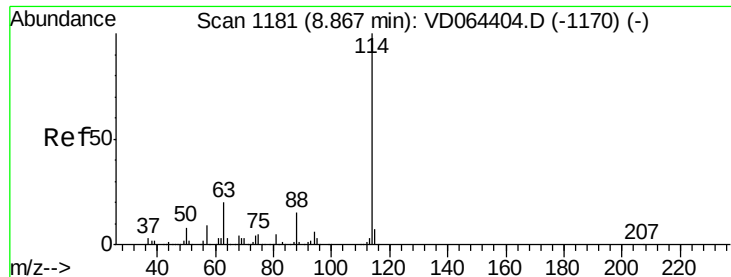
67 52.4 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

P001-WC006

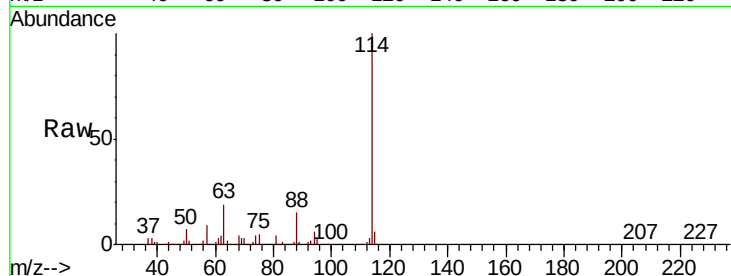
Tot Ion:114 Resp: 989361

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

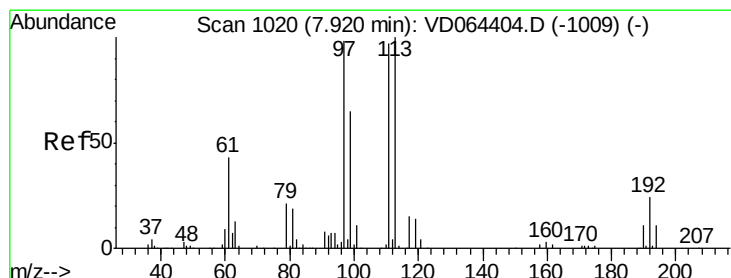
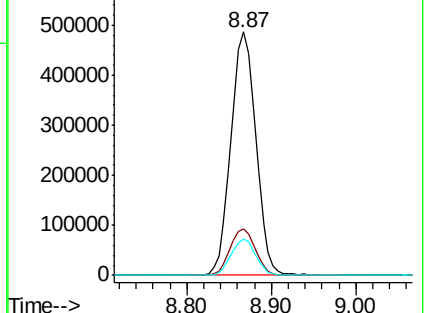
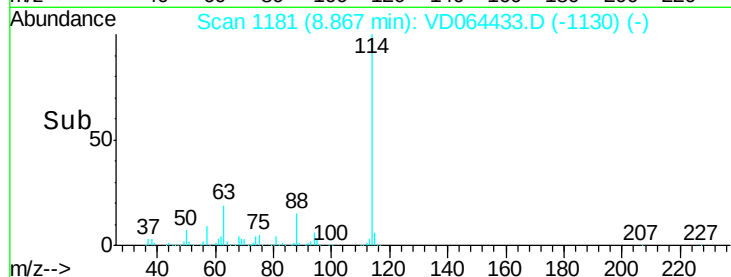
88 15.0 0.0 29.2



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: 47.919 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

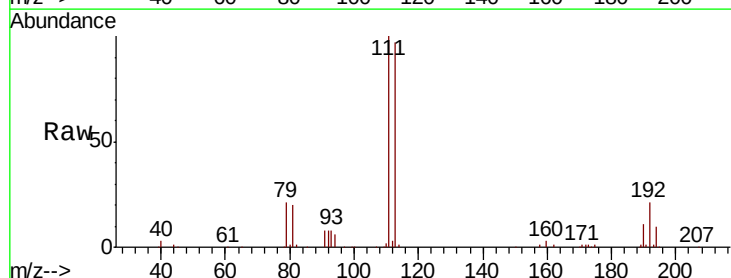
Tgt Ion:113 Resp: 298700

Ion Ratio Lower Upper

113 100

111 102.1 79.4 119.2

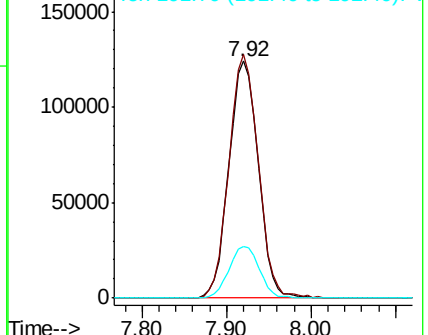
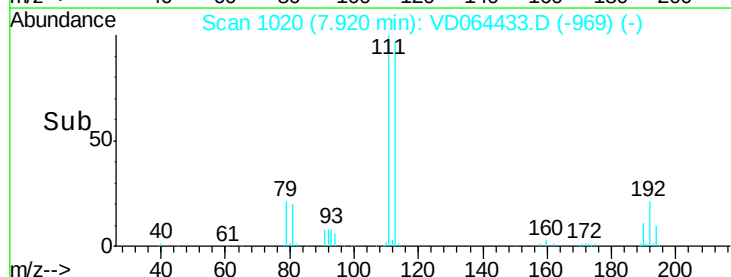
192 22.5 18.6 28.0

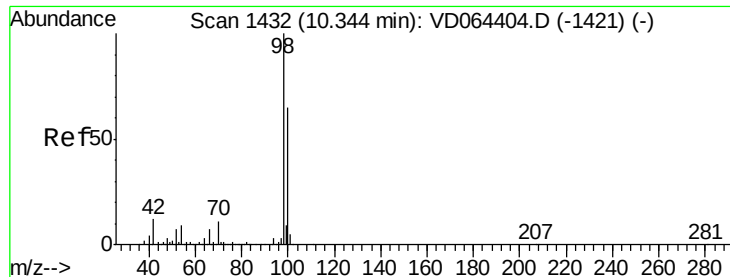


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.225 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

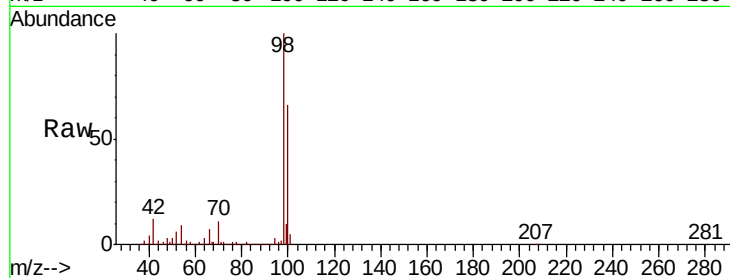
P001-WC006

Tot Ion: 98 Resp: 1179324

Ion Ratio Lower Upper

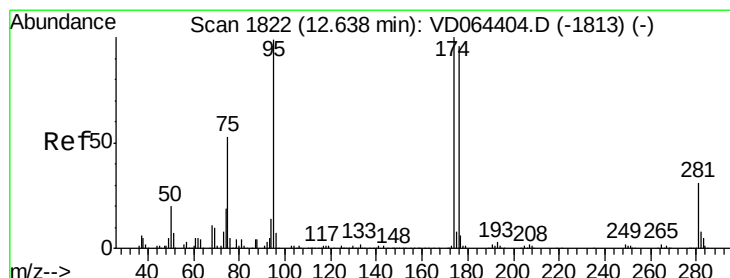
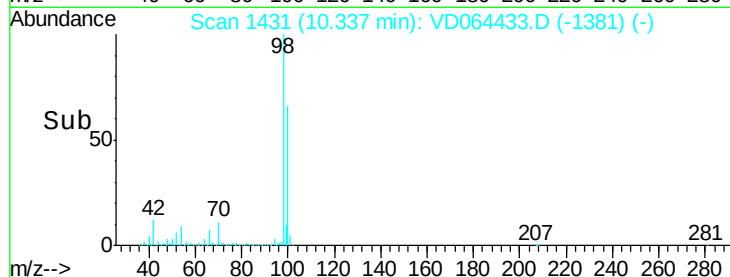
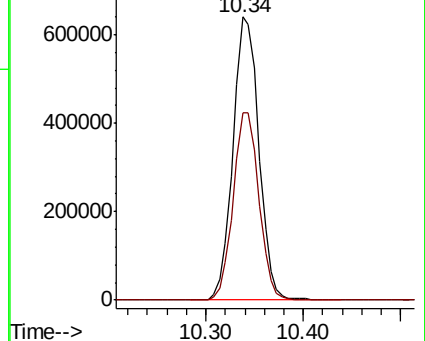
98 100

100 65.9 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: 48.307 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

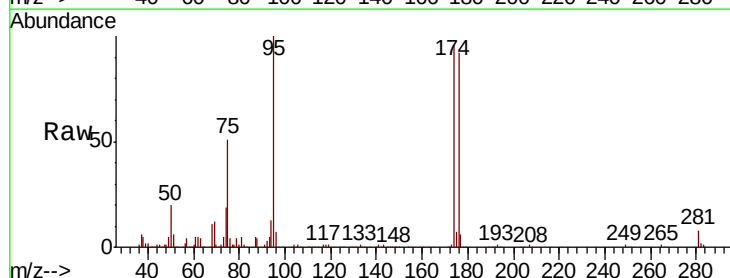
Tgt Ion: 95 Resp: 364527

Ion Ratio Lower Upper

95 100

174 95.2 0.0 197.2

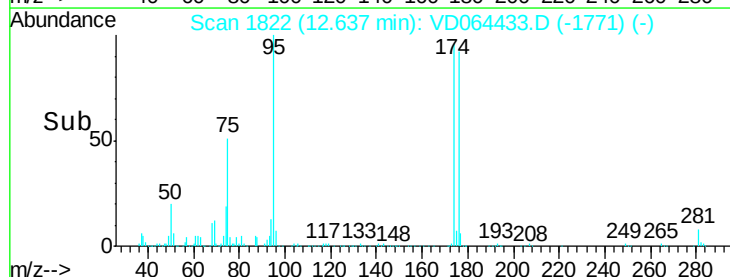
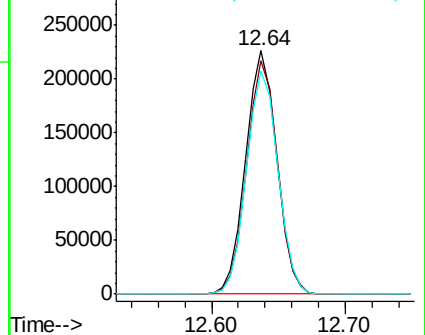
176 92.5 0.0 189.6

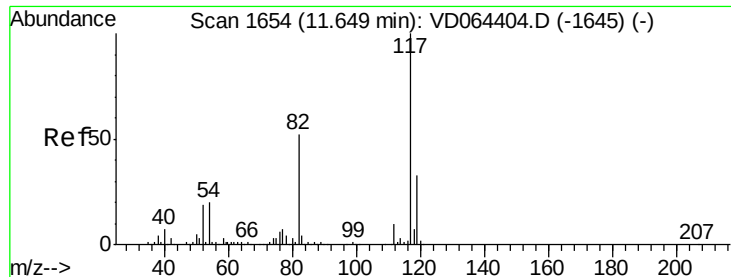


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

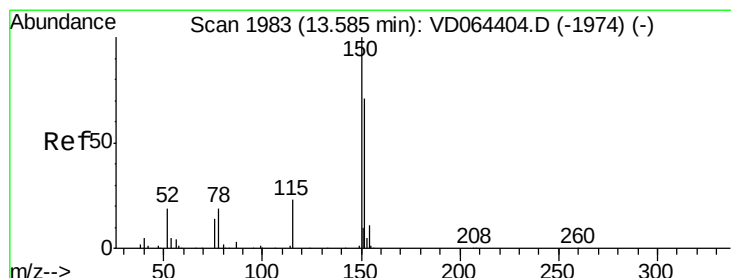
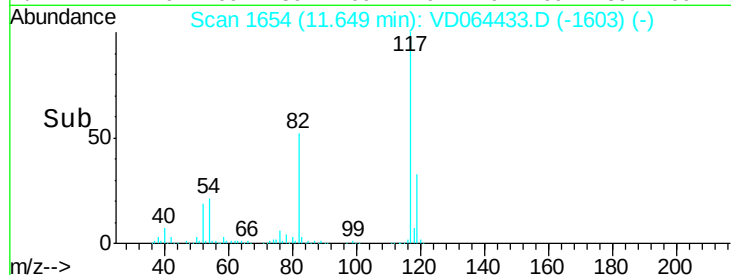
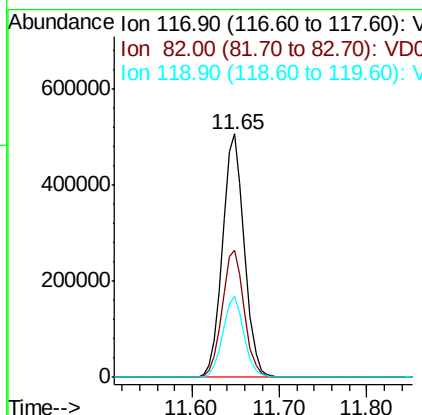
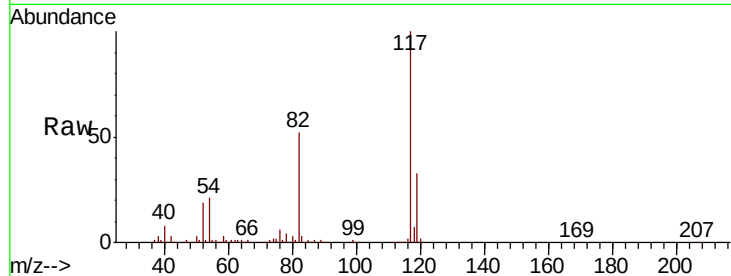




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064433.D
Acq: 05 Dec 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
P001-WC006

Tot Ion:117 Resp: 870923
Ion Ratio Lower Upper
117 100
82 52.5 41.4 62.2
119 33.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064433.D
Acq: 05 Dec 2019 13:41

Tgt Ion:152 Resp: 394832
Ion Ratio Lower Upper
152 100
115 54.8 26.7 80.1
150 158.6 0.0 347.2

