

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064651.D
 Acq On : 27 Dec 2019 18:14
 Operator : VA/SY
 Sample : K6443-02
 Misc : 6.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PH-1

Quant Time: Dec 30 03:40:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

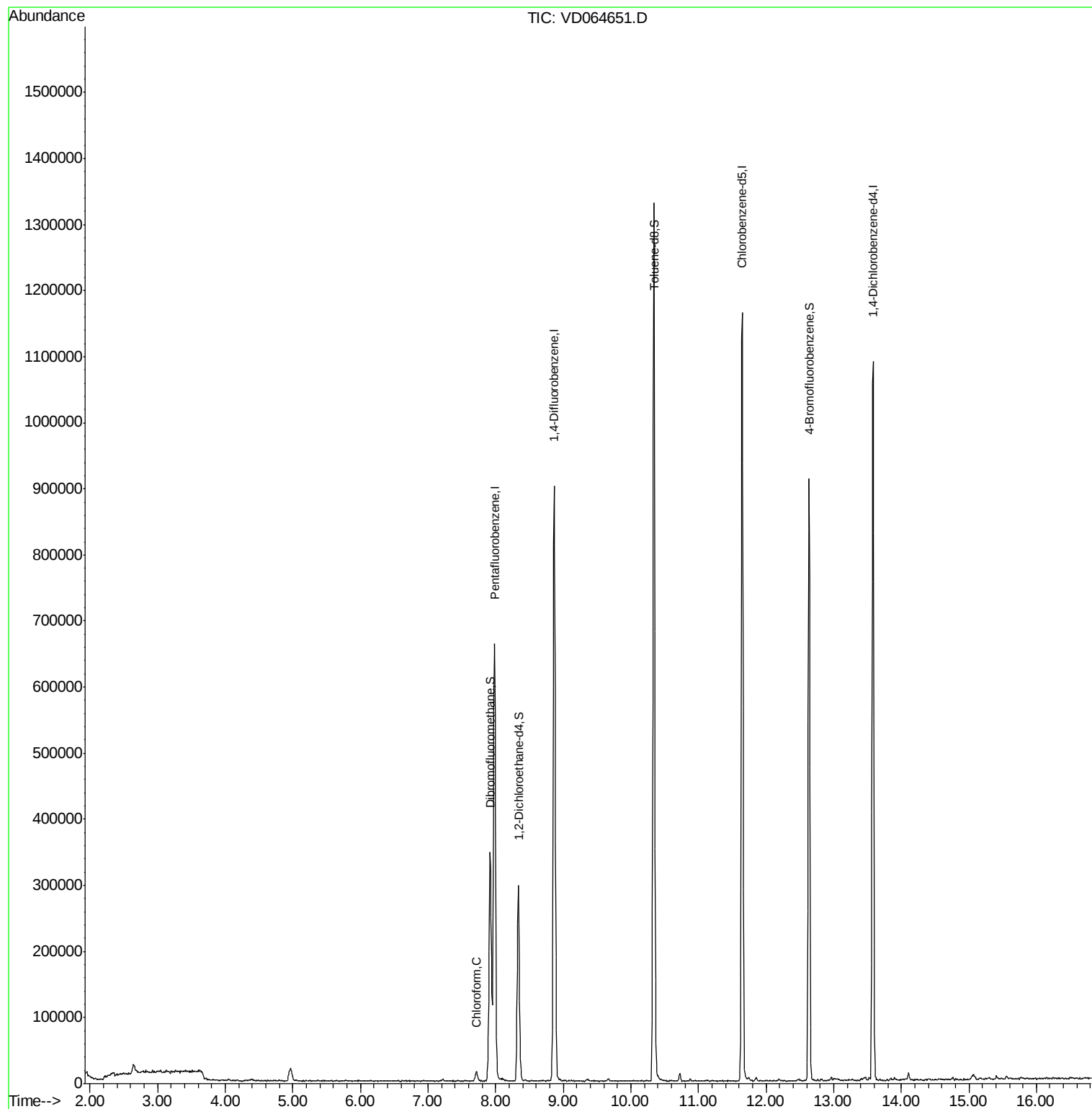
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	782576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	662504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295452	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	230642	50.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.72%	
35) Dibromofluoromethane	7.92	113	239957	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
50) Toluene-d8	10.34	98	911827	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.64	95	271090	46.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.24%	
Target Compounds						
30) Chloroform	7.71	83	12980	1.450	ug/l	Qvalue 90

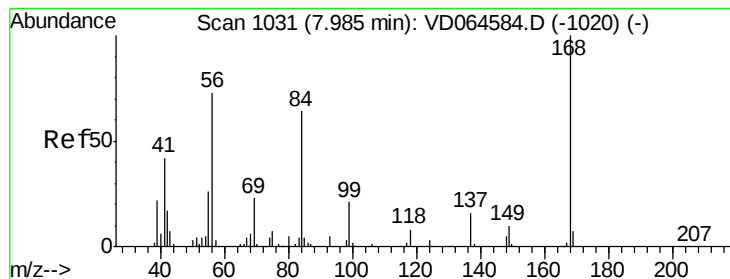
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122719\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064651.D

Acq: 27 Dec 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

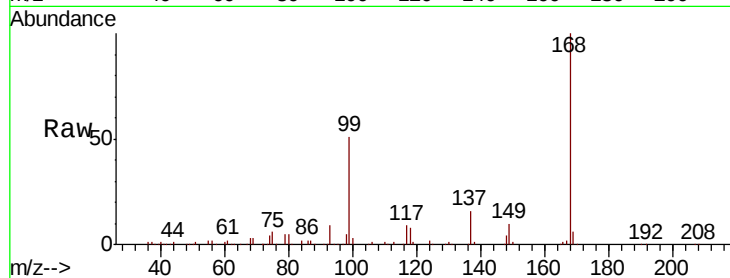
PH-1

Tot Ion:168 Resp: 519435

Ion Ratio Lower Upper

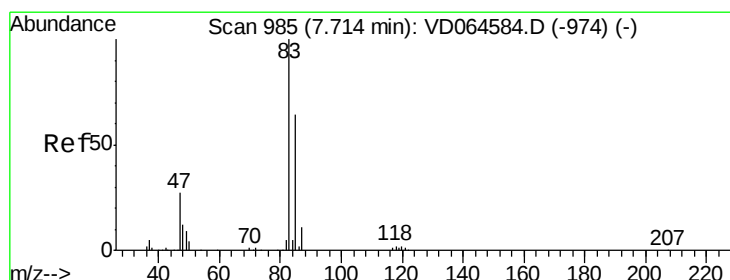
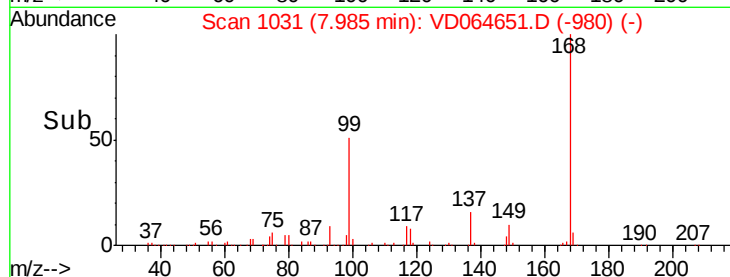
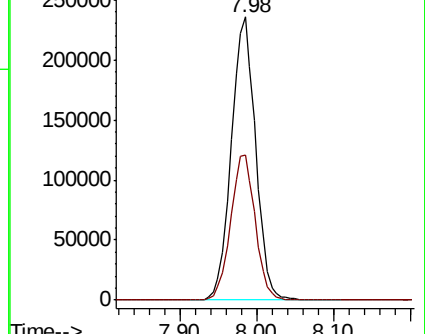
168 100

99 51.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#30

Chloroform

Concen: 1.450 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064651.D

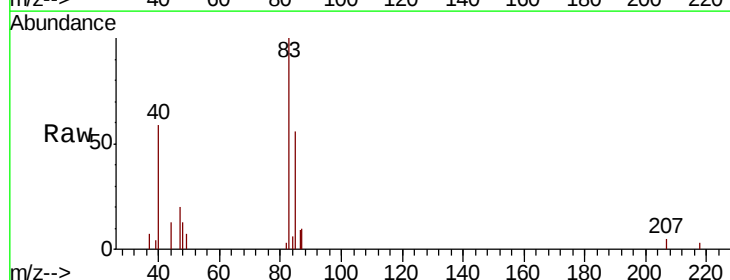
Acq: 27 Dec 2019 18:14

Tgt Ion: 83 Resp: 12980

Ion Ratio Lower Upper

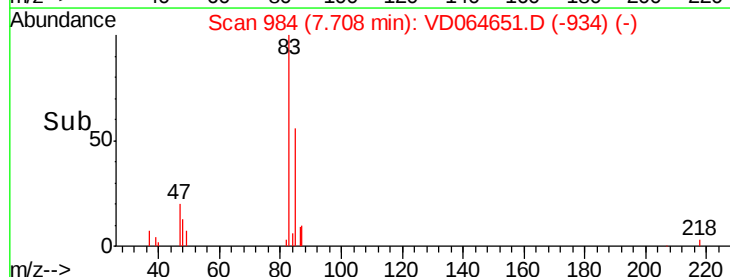
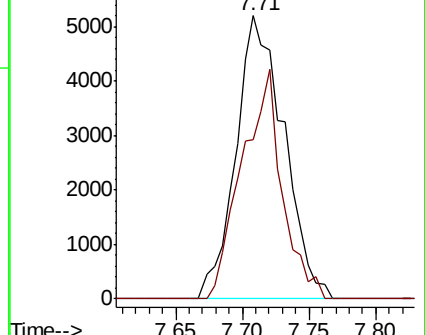
83 100

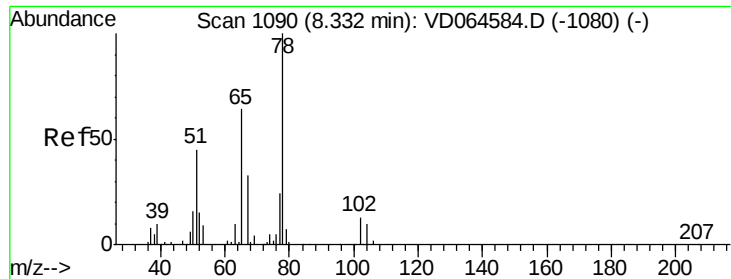
85 56.3 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

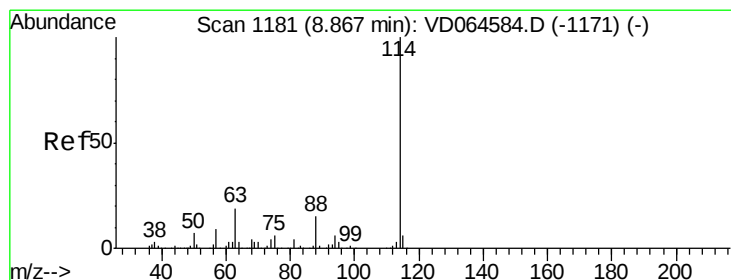
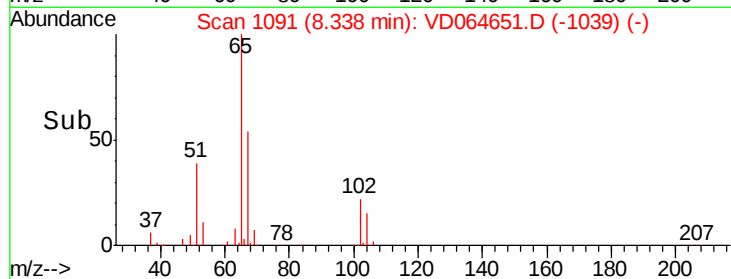
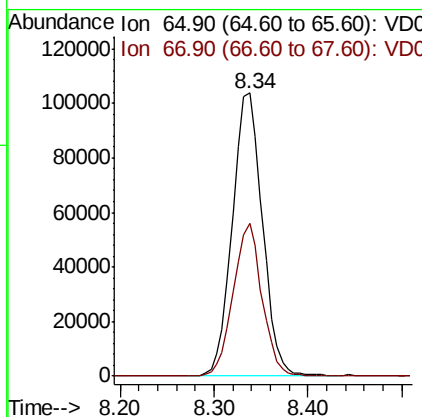
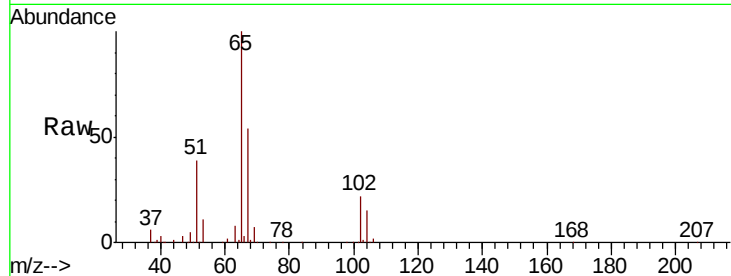




#33
 1,2-Dichloroethane-d4
 Concen: 50.355 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064651.D
 Acq: 27 Dec 2019 18:14

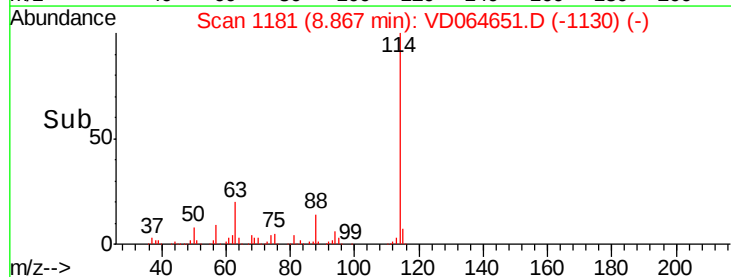
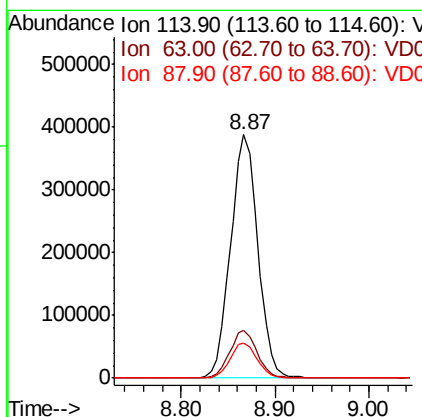
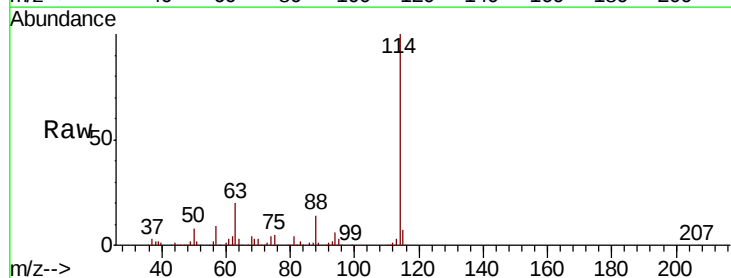
Instrument :
 MSVOA_D
 ClientSampleId :
 PH-1

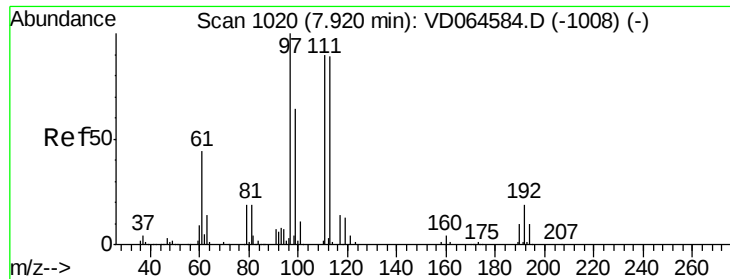
Tot Ion: 65 Resp: 230642
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064651.D
 Acq: 27 Dec 2019 18:14

Tgt Ion: 114 Resp: 782576
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.0
 88 14.3 0.0 29.2

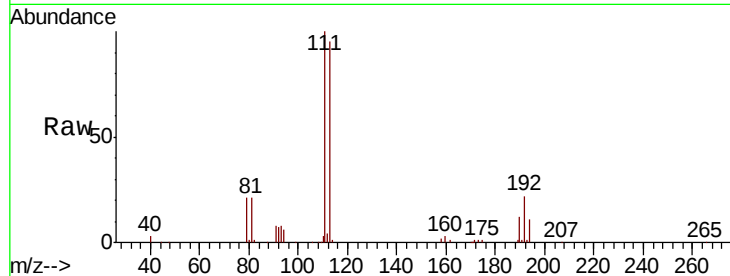




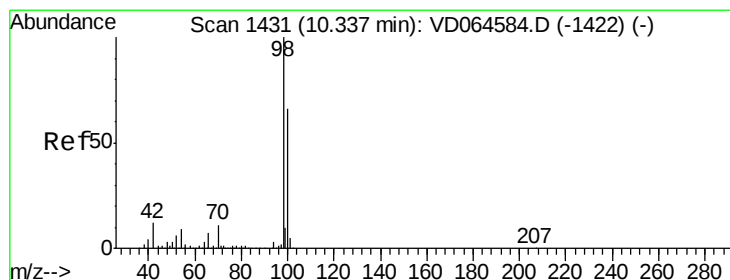
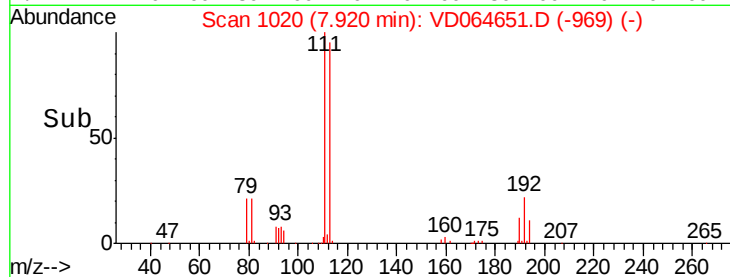
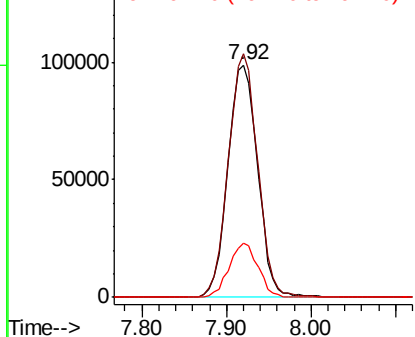
#35
 Dibromofluoromethane
 Concen: 49.978 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064651.D
 Acq: 27 Dec 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 PH-1

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.6	121.0
192	22.7	17.9	26.9

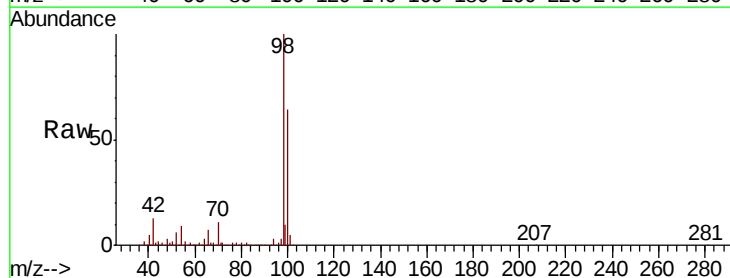


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

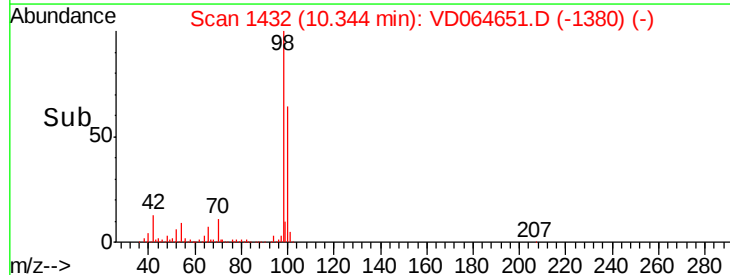
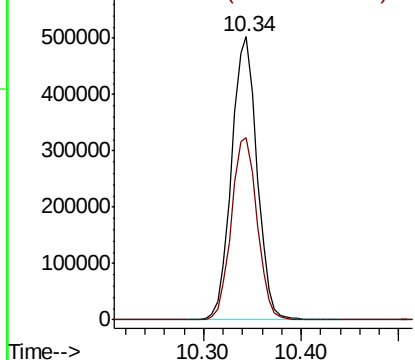


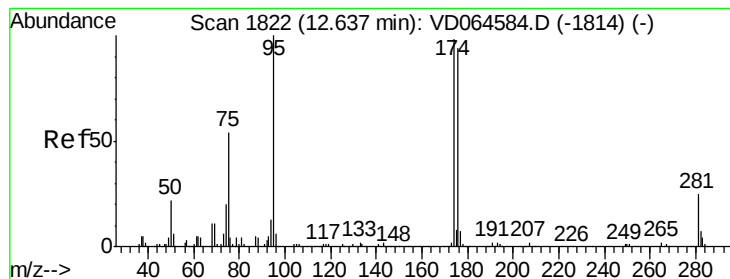
#50
 Toluene-d8
 Concen: 49.588 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064651.D
 Acq: 27 Dec 2019 18:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VD





#62

4-Bromofluorobenzene

Concen: 46.623 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064651.D

Acq: 27 Dec 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

PH-1

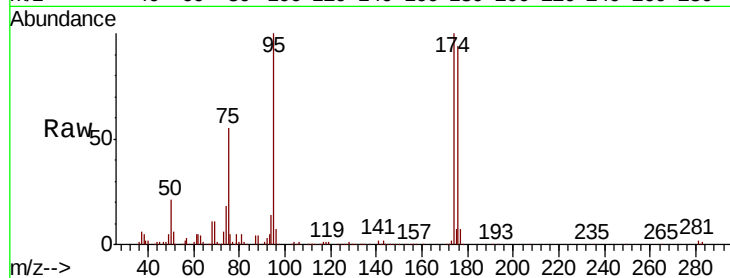
Tot Ion: 95 Resp: 271090

Ion Ratio Lower Upper

95 100

174 94.6 0.0 193.2

176 91.3 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

150000

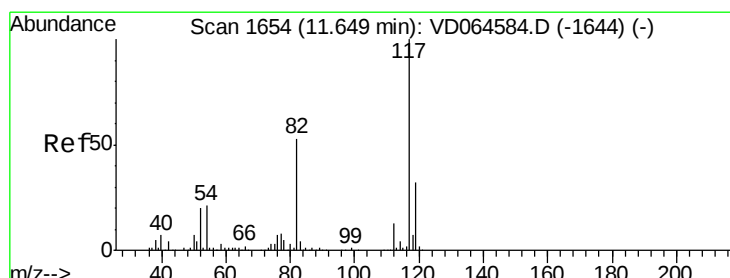
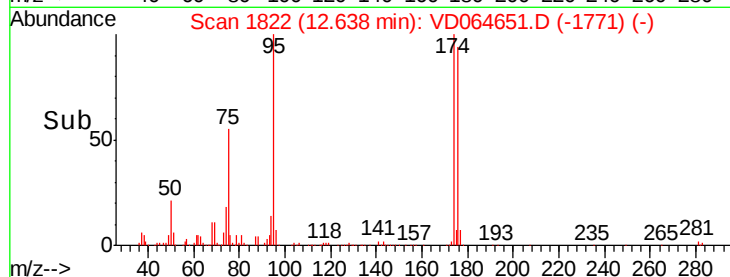
100000

50000

0

12.60 12.70

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064651.D

Acq: 27 Dec 2019 18:14

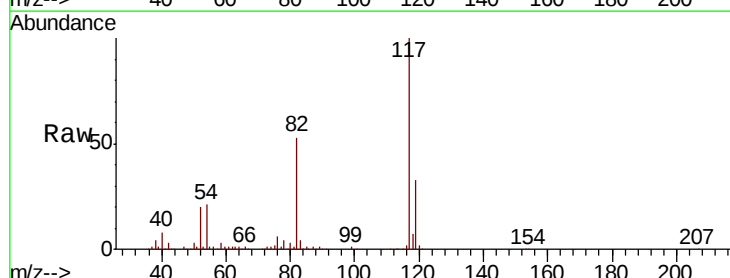
Tgt Ion: 117 Resp: 662504

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.4

119 32.9 26.0 39.0



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

11.65

500000

400000

300000

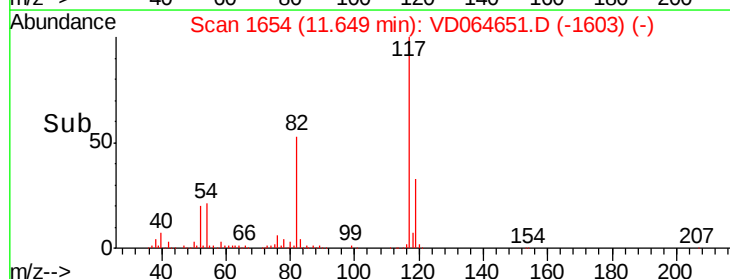
200000

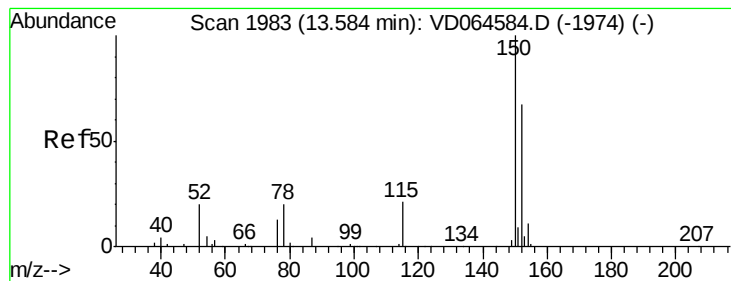
100000

0

11.60 11.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064651.D

Acq: 27 Dec 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

PH-1

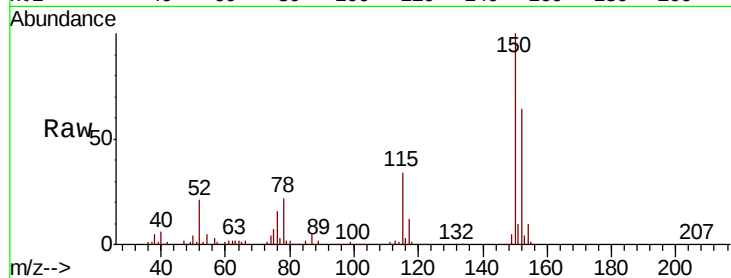
Tot Ion:152 Resp: 295452

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

150 158.5 0.0 351.4



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

