

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064525.D
 Acq On : 16 Dec 2019 16:03
 Operator : VA/SY
 Sample : K6325-01
 Misc : 5.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3860

Quant Time: Dec 17 03:26:58 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

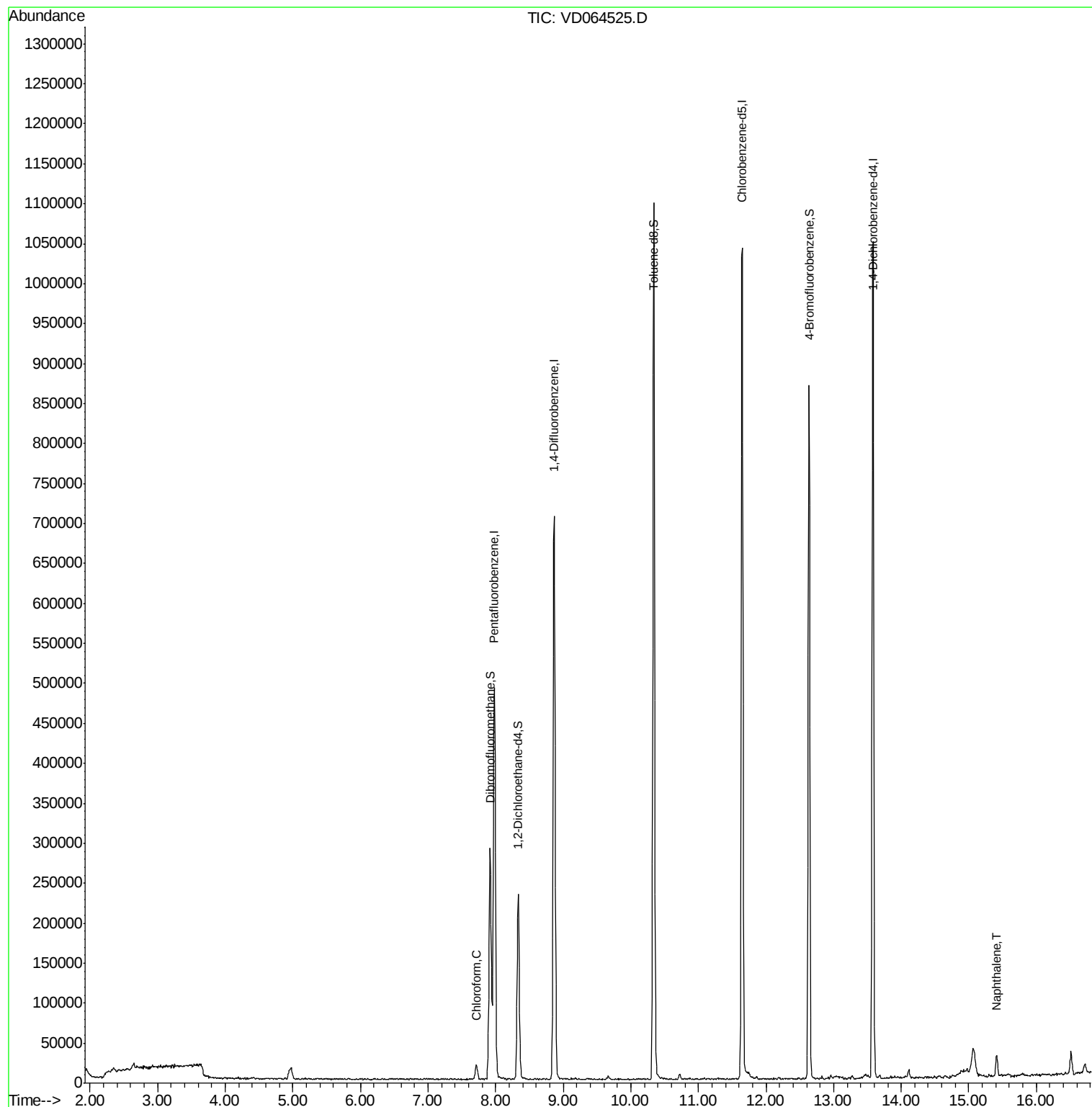
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	391367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	618848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290995	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	183849	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.80%	
35) Dibromofluoromethane	7.92	113	192565	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
50) Toluene-d8	10.34	98	741847	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.64	95	260417	55.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.34%	
Target Compounds						
30) Chloroform	7.71	83	17556	2.594	ug/l	96
95) Naphthalene	15.41	128	23982	2.238	ug/l #	95

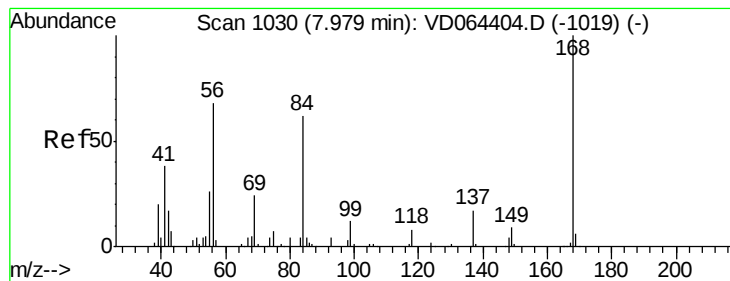
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064525.D

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MSVOA_D

ClientSampleId :

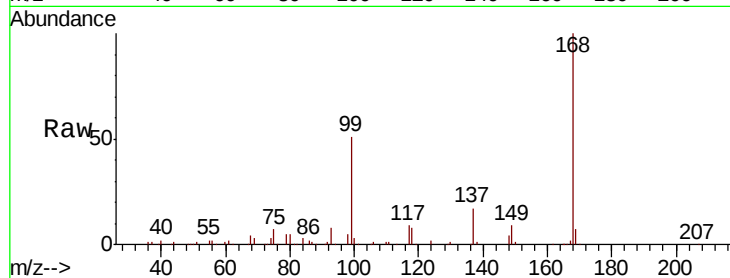
RT-3860

Tot Ion:168 Resp: 391367

Ion Ratio Lower Upper

168 100

99 50.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

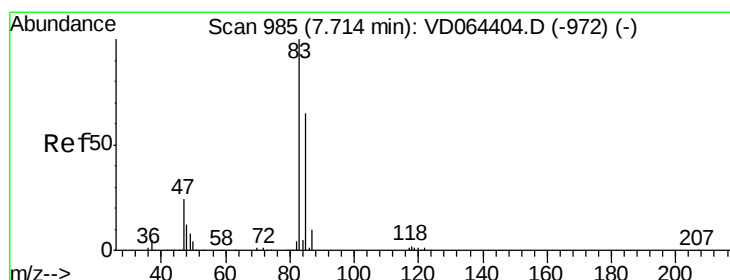
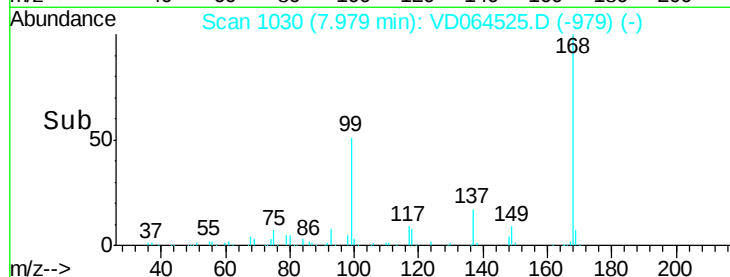
100000

50000

0

7.90 8.00 8.10

Time-->



#30

Chloroform

Concen: 2.594 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064525.D

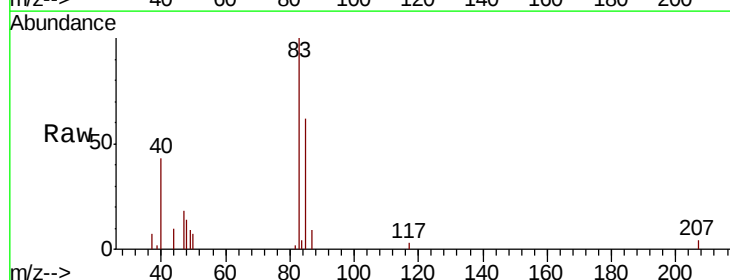
Acq: 16 Dec 2019 16:03

Tgt Ion: 83 Resp: 17556

Ion Ratio Lower Upper

83 100

85 61.5 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

8000

6000

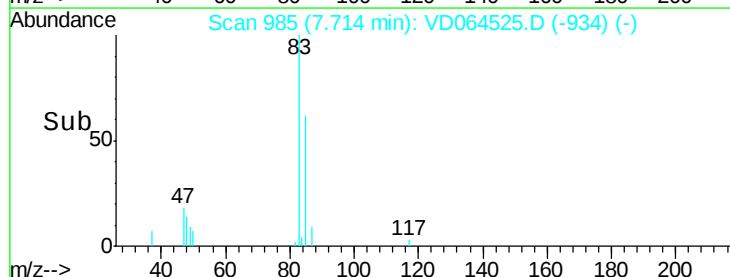
4000

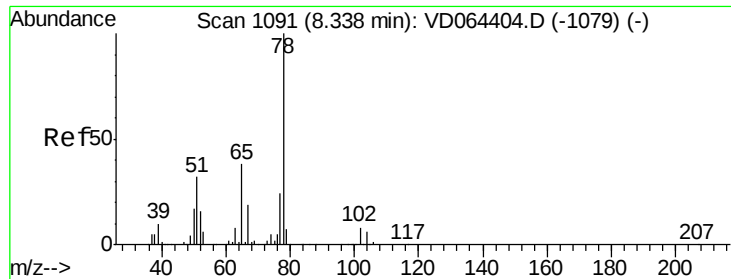
2000

0

7.60 7.65 7.70 7.75 7.80

Time-->

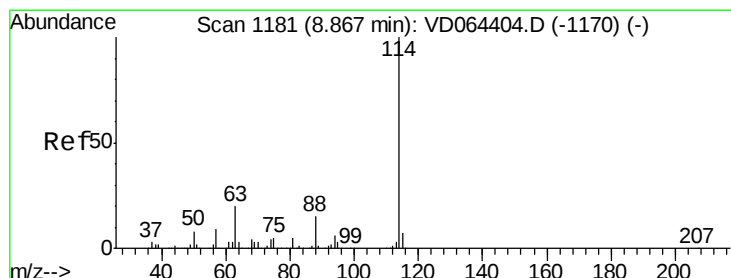
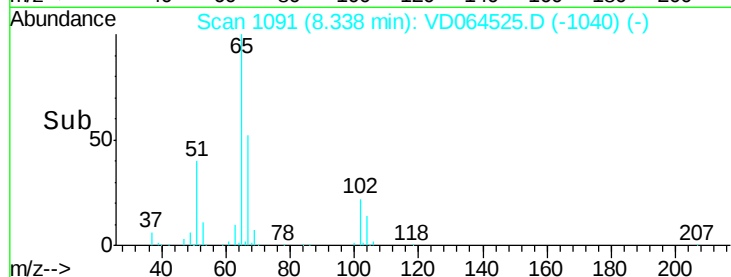
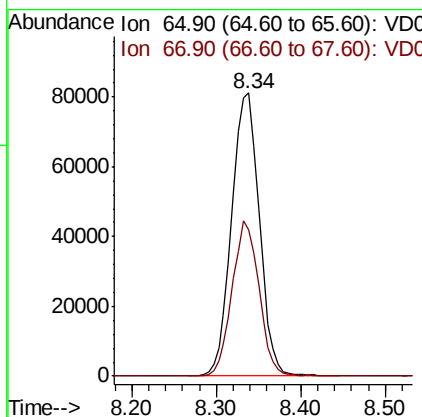
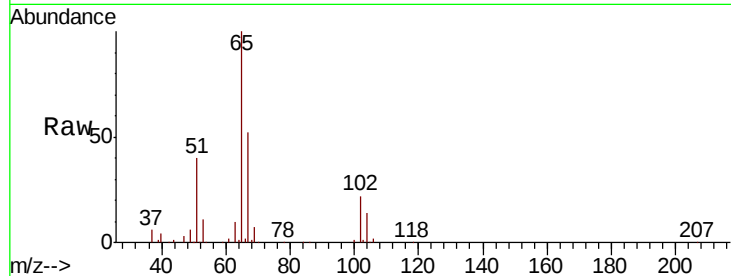




#33
 1,2-Dichloroethane-d4
 Concen: 51.899 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064525.D
 Acq: 16 Dec 2019 16:03

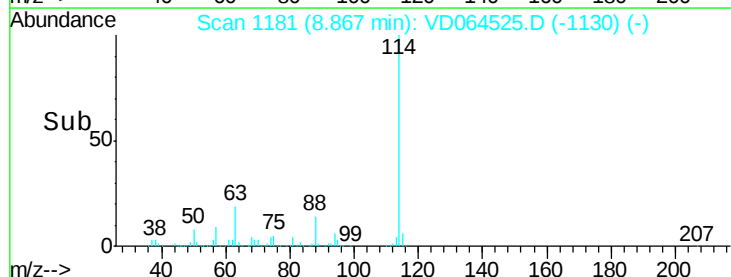
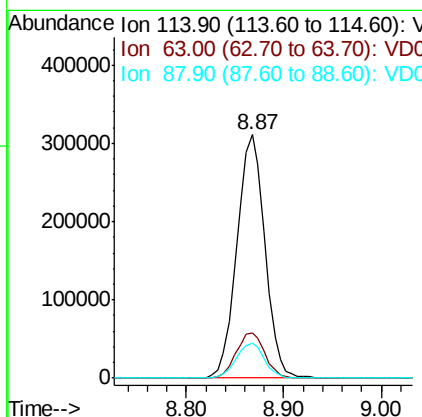
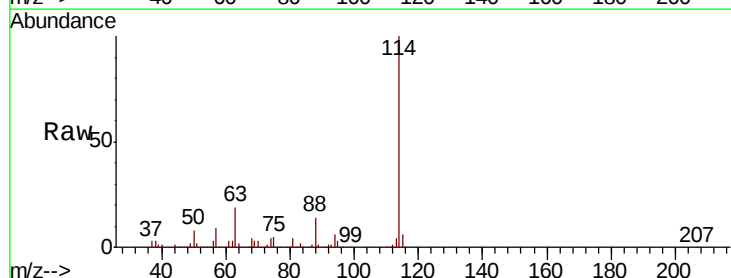
Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3860

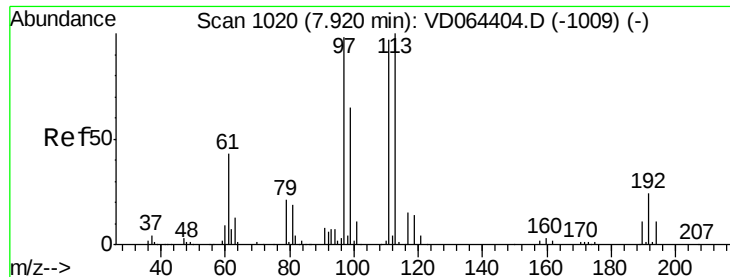
Tot Ion: 65 Resp: 183849
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064525.D
 Acq: 16 Dec 2019 16:03

Tgt Ion: 114 Resp: 618848
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 40.0
 88 14.2 0.0 29.2





#35

Dibromofluoromethane

Concen: 49.388 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

RT-3860

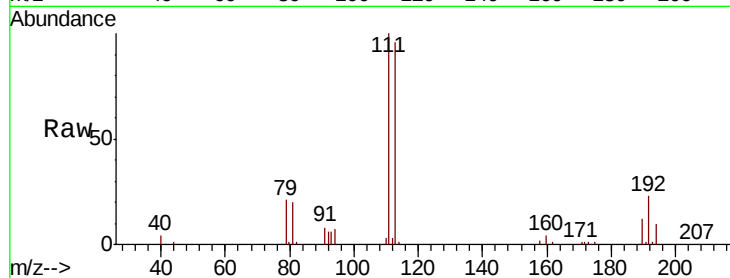
Tot Ion:113 Resp: 192565

Ion Ratio Lower Upper

113 100

111 105.4 79.4 119.2

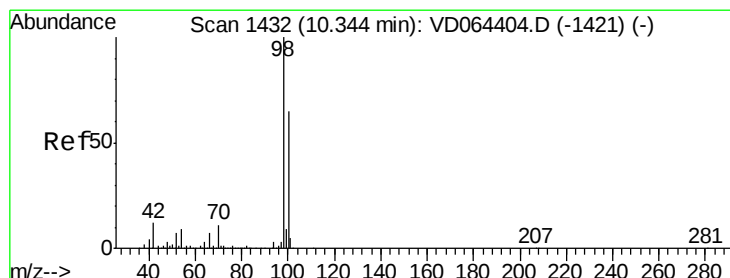
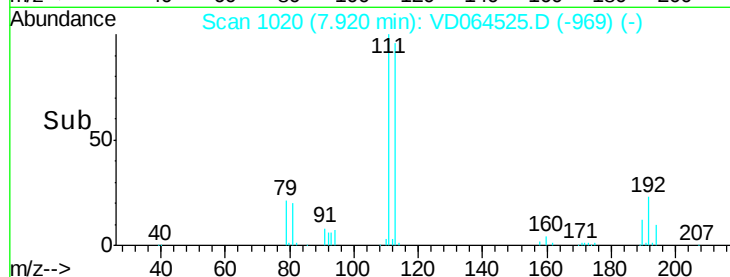
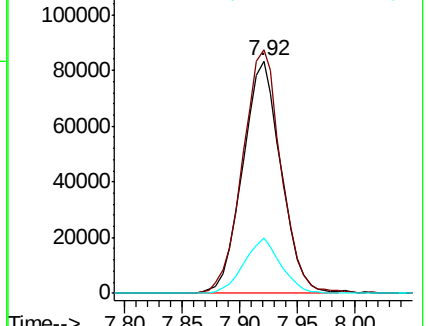
192 22.8 18.6 28.0



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: 50.509 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064525.D

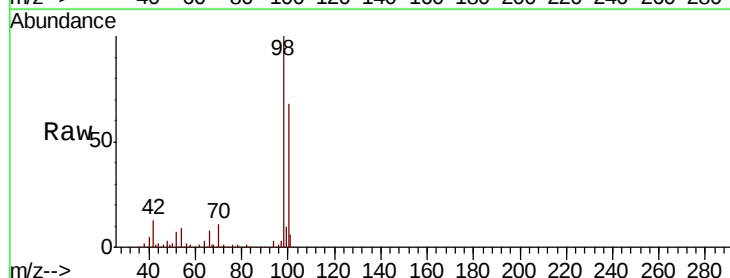
Acq: 16 Dec 2019 16:03

Tgt Ion: 98 Resp: 741847

Ion Ratio Lower Upper

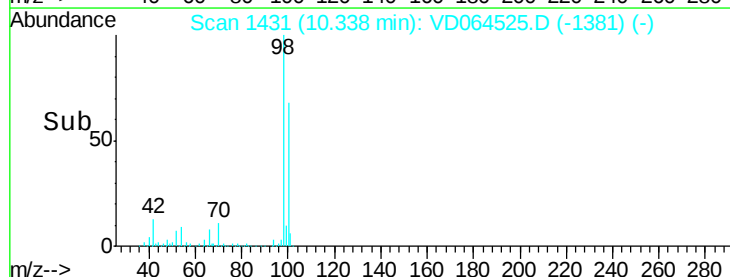
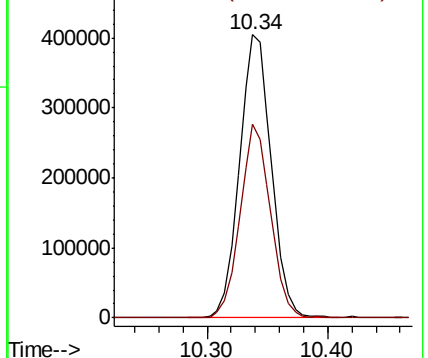
98 100

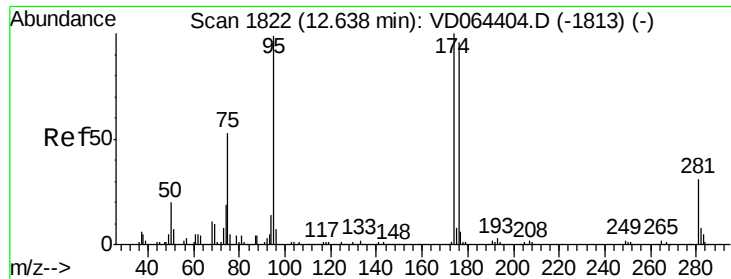
100 65.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

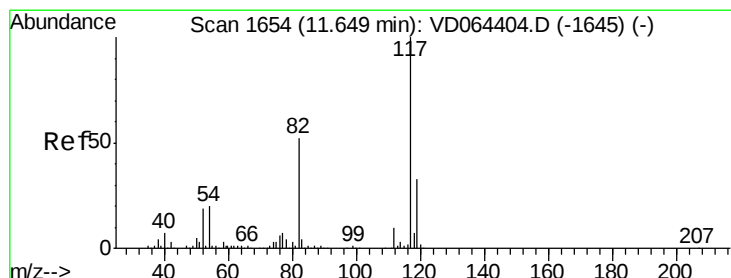
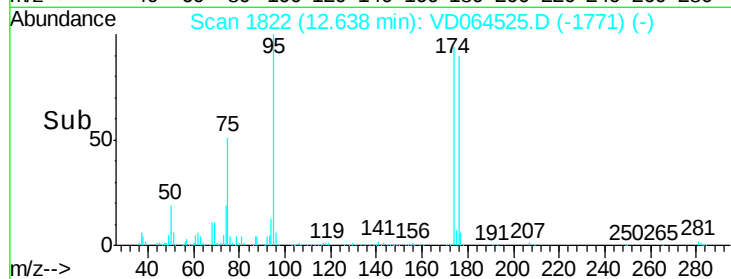
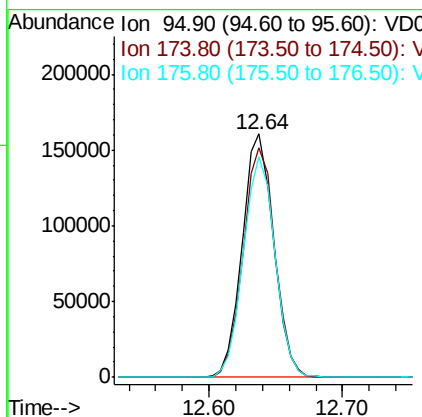
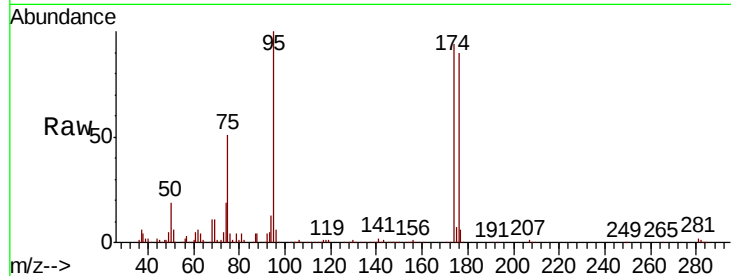




#62
4-Bromofluorobenzene
Concen: 55.172 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064525.D
Acq: 16 Dec 2019 16:03

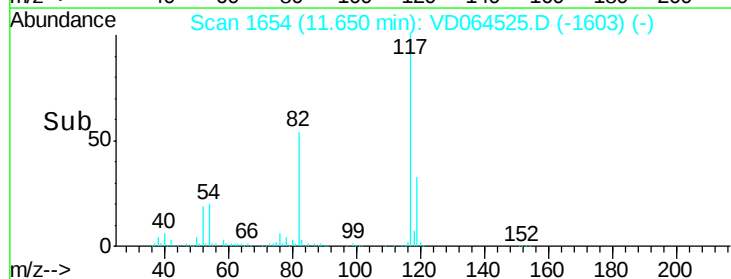
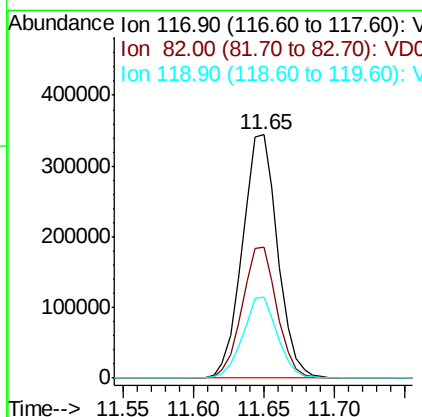
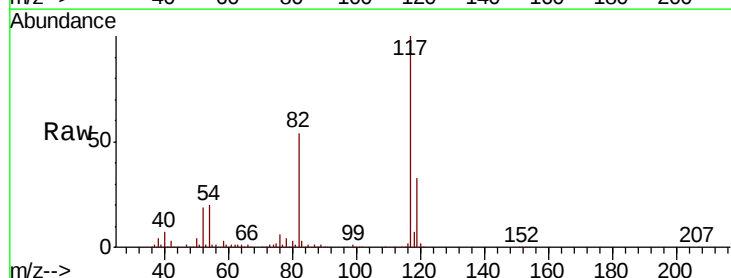
Instrument :
MSVOA_D
ClientSampleId :
RT-3860

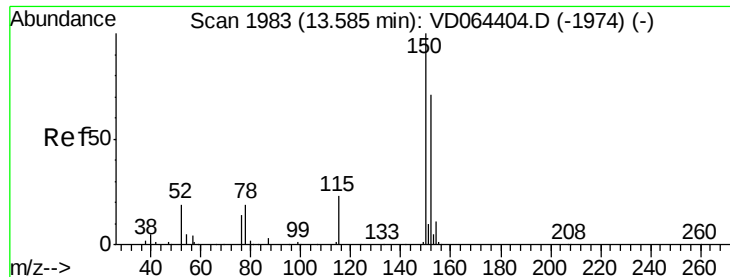
Tot Ion	95	Resp	260417
Ion Ratio	Lower	Upper	
95	100		
174	95.4	0.0	197.2
176	91.4	0.0	189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064525.D
Acq: 16 Dec 2019 16:03

Tgt Ion	117	Resp	602285
Ion Ratio	Lower	Upper	
117	100		
82	54.0	41.4	62.2
119	33.4	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

RT-3860

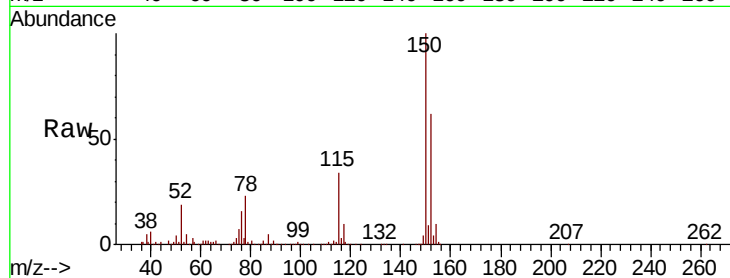
Tot Ion:152 Resp: 290995

Ion Ratio Lower Upper

152 100

115 54.5 26.7 80.1

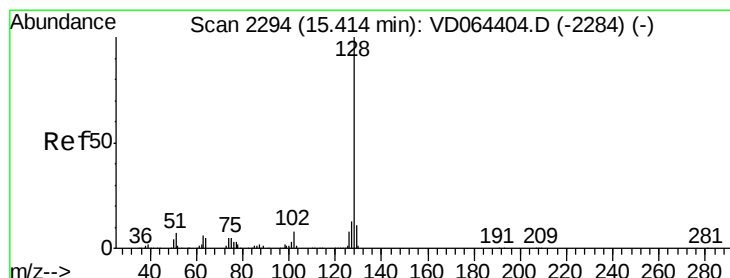
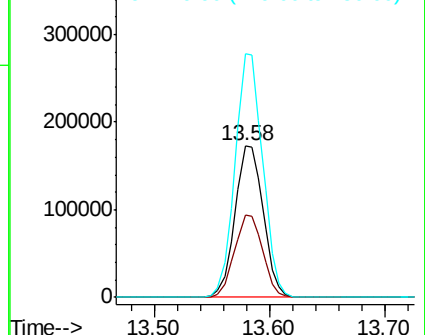
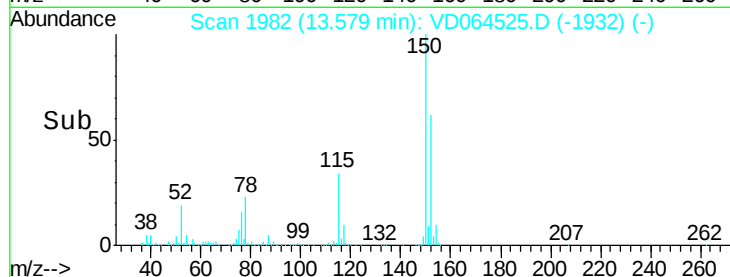
150 157.9 0.0 347.2



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



#95

Naphthalene

Concen: 2.238 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

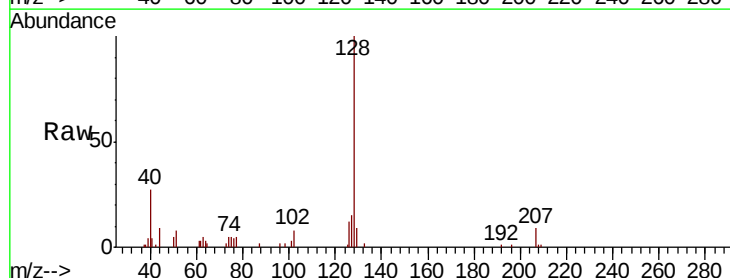
Tgt Ion:128 Resp: 23982

Ion Ratio Lower Upper

128 100

127 15.8 10.5 15.7#

129 11.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

