

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061841.D
 Acq On : 17 Apr 2019 7:54
 Operator : VA/AP
 Sample : K2423-13
 Misc : 5.17g/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4-A

Quant Time: Apr 17 08:41:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

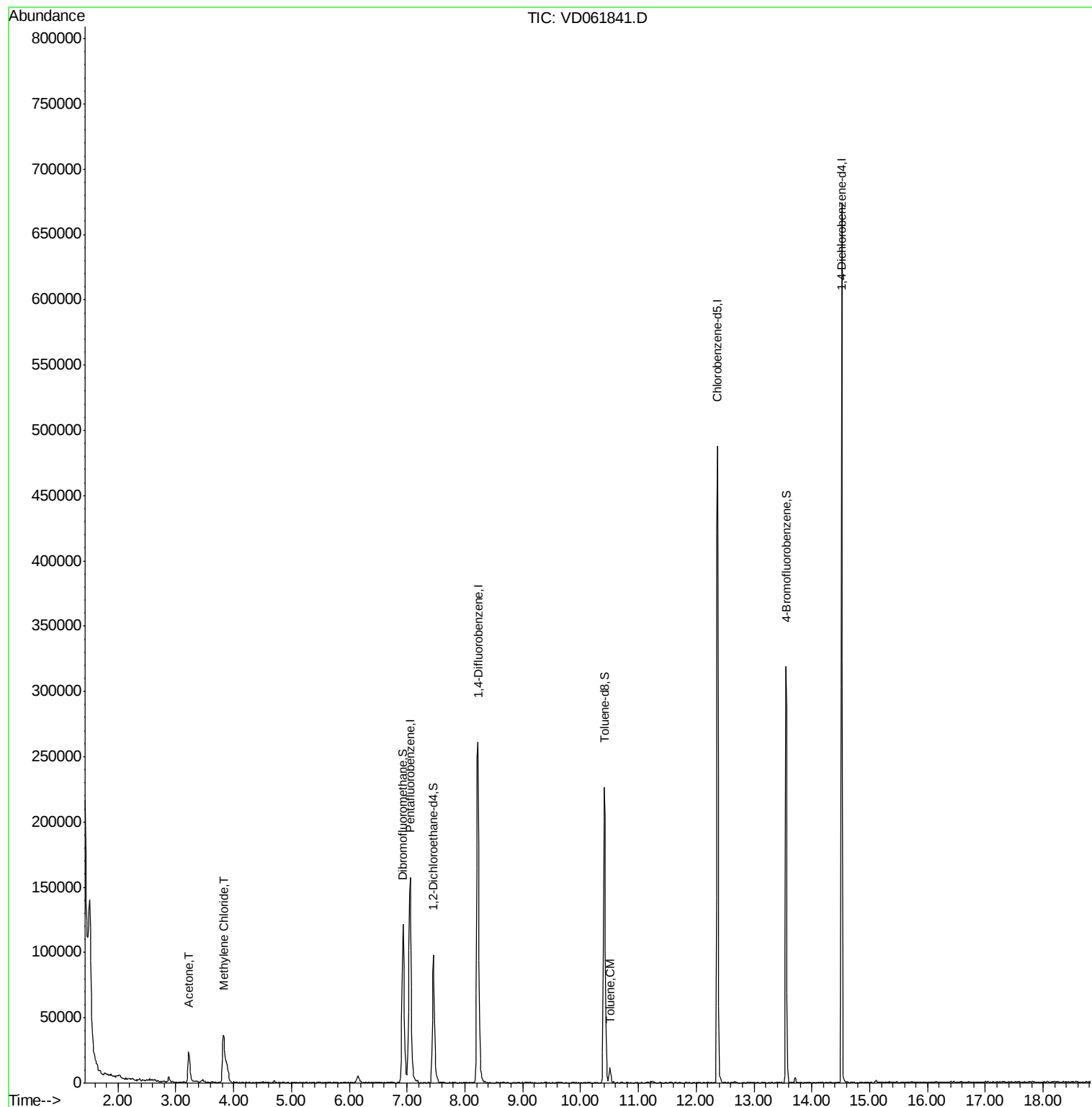
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	165741	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	323756	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	304451	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	146074	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	99613	71.71	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	143.42%	
35) Dibromofluoromethane	6.93	113	121885	49.83	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	99.66%	
50) Toluene-d8	10.41	98	216055	37.28	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	74.56%	
62) 4-Bromofluorobenzene	13.55	95	104740	44.59	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	89.18%	
Target Compounds						
16) Acetone	3.22	43	45352	132.472	ug/l	94
20) Methylene Chloride	3.82	84	31420	15.278	ug/l	94
52) Toluene	10.51	92	6380	1.567	ug/l	78

(#) = 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# 572

Delta R.T. -0.04 min

Lab File: VD061841.D

Acq: 17 Apr 2019 7:54

Instrument :

MSVOA_D

ClientSampleId :

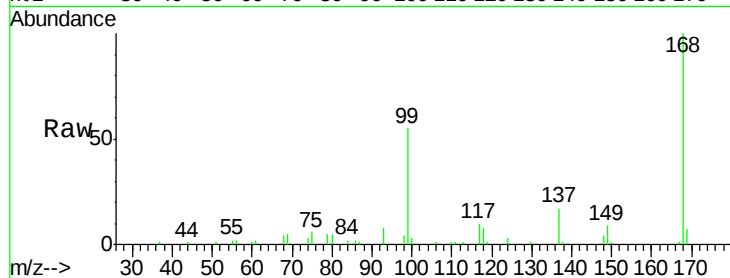
TP4-A

Tot Ion:168 Resp: 165741

Ion Ratio Lower Upper

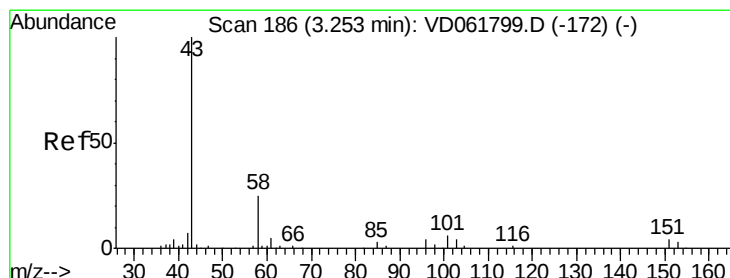
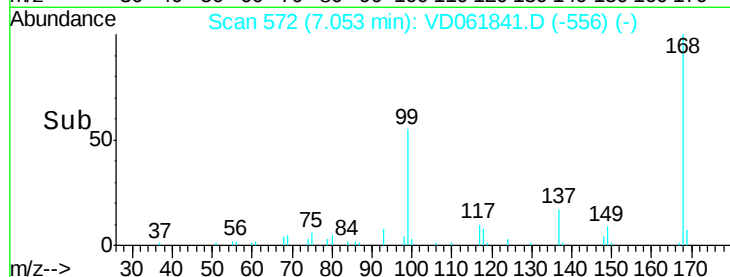
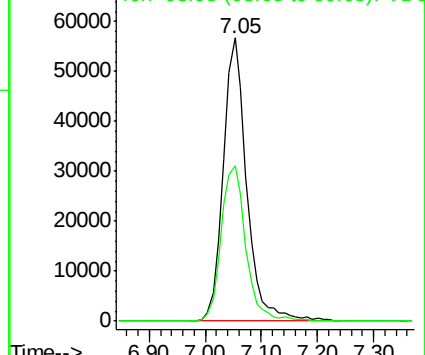
168 100

99 54.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 132.472 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061841.D

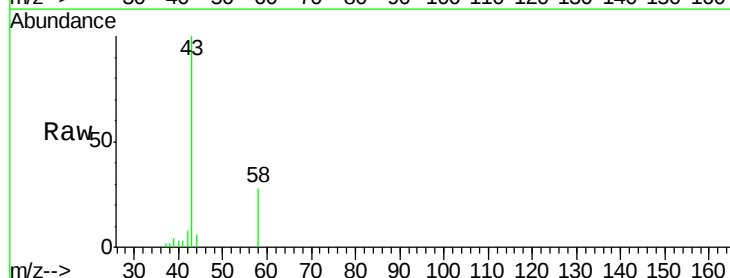
Acq: 17 Apr 2019 7:54

Tgt Ion: 43 Resp: 45352

Ion Ratio Lower Upper

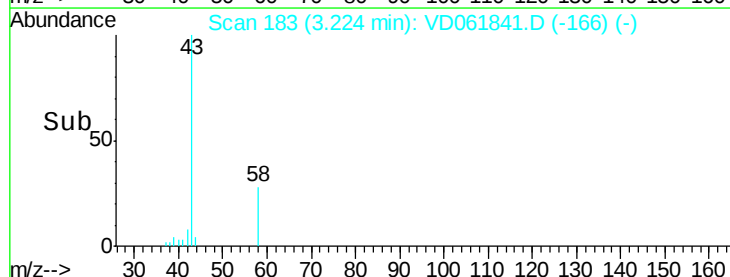
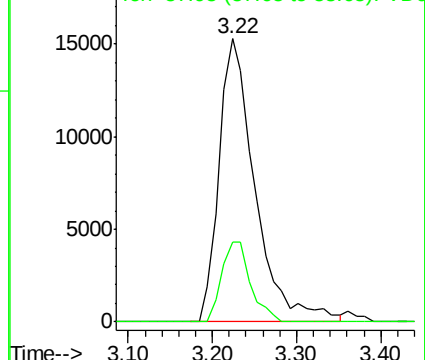
43 100

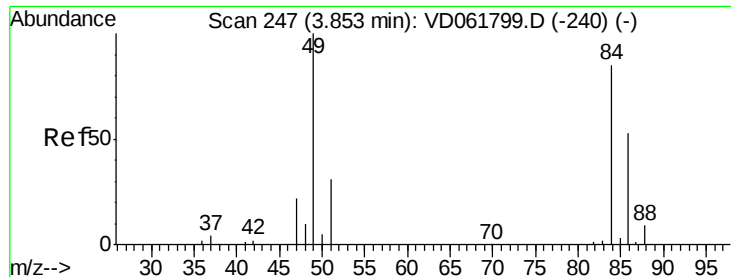
58 28.1 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

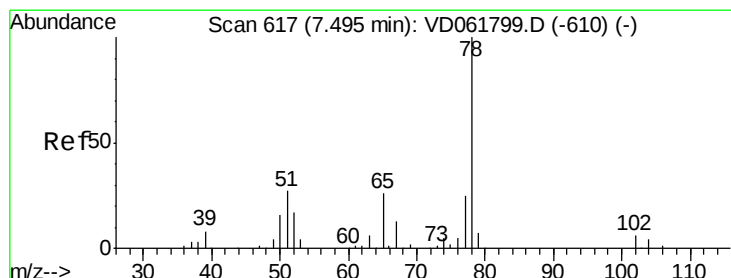
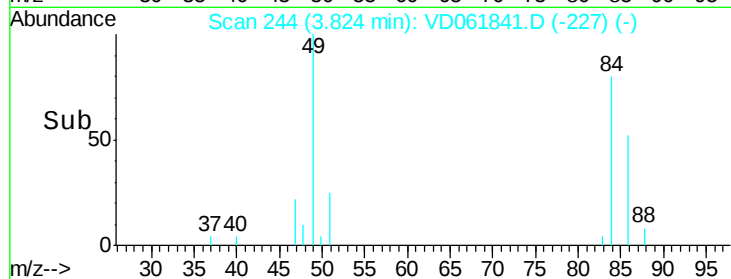
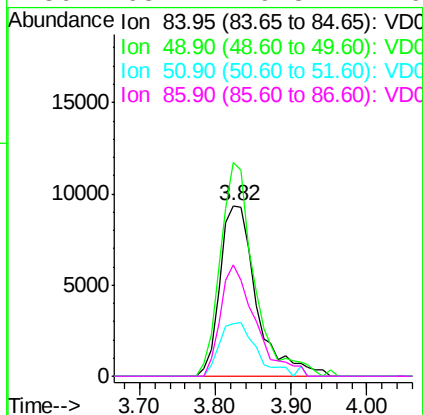
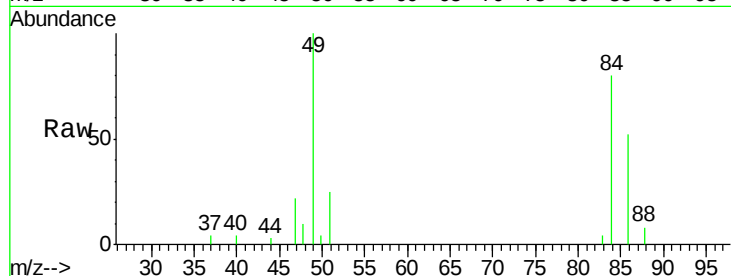




#20
Methvlene Chloride
Concen: 15.278 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061841.D
Acq: 17 Apr 2019 7:54

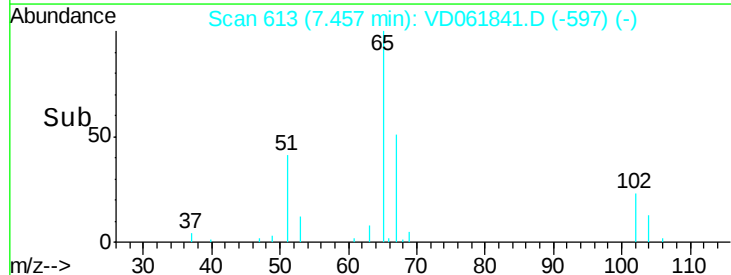
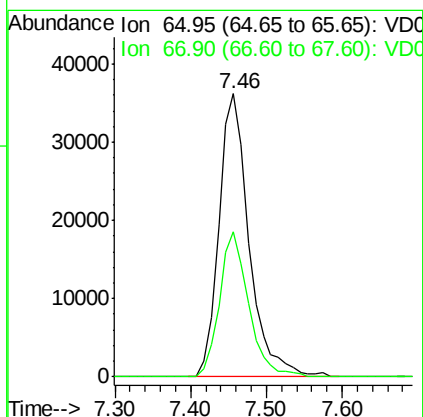
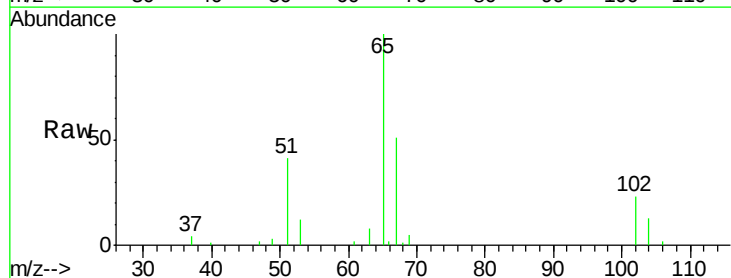
Instrument :
MSVOA_D
ClientSampleId :
TP4-A

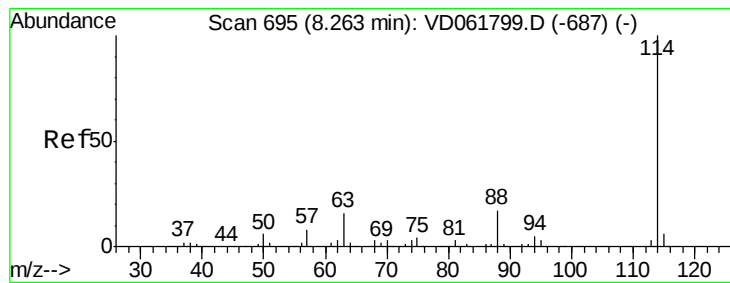
Tot Ion: 84 Resp: 31420
Ion Ratio Lower Upper
84 100
49 125.2 94.0 141.0
51 30.8 29.0 43.4
86 65.1 49.8 74.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.04 min
Lab File: VD061841.D
Acq: 17 Apr 2019 7:54

Tgt Ion: 65 Resp: 99613
Ion Ratio Lower Upper
65 100
67 51.4 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.04 min

Lab File: VD061841.D

Acq: 17 Apr 2019 7:54

Instrument :

MSVOA_D

ClientSampleId :

TP4-A

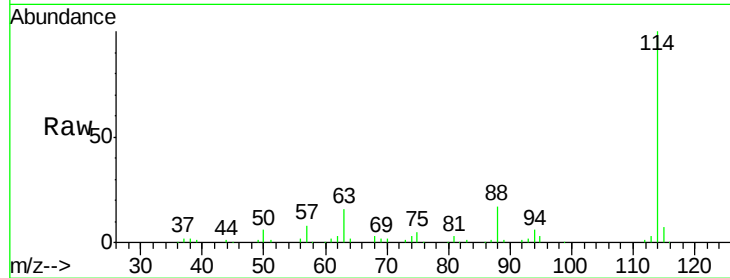
Tot Ion:114 Resp: 323756

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.4

88 16.9 0.0 33.6



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

8.22

150000

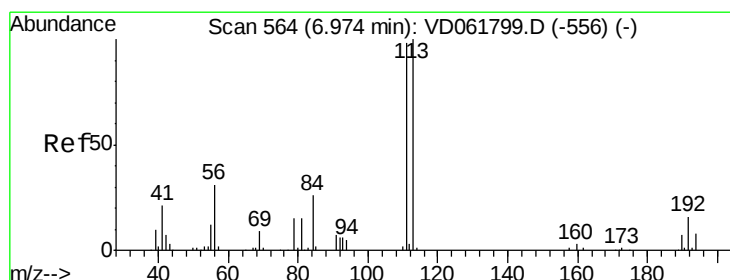
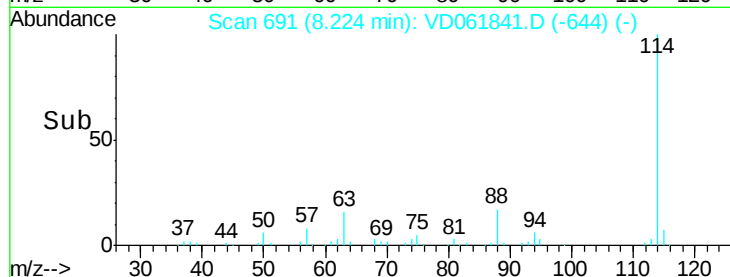
100000

50000

0

8.10 8.20 8.30 8.40 8.50

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.05 min

Lab File: VD061841.D

Acq: 17 Apr 2019 7:54

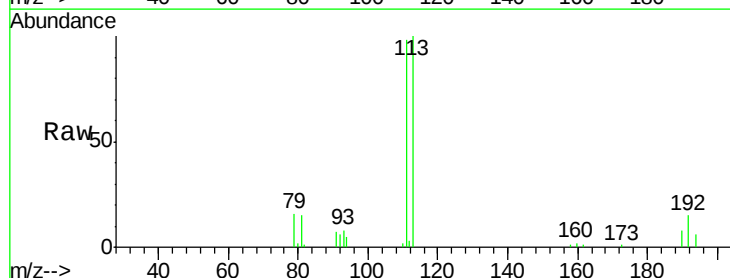
Tgt Ion:113 Resp: 121885

Ion Ratio Lower Upper

113 100

111 98.2 78.5 117.7

192 14.9 13.0 19.4



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

6.93

50000

40000

30000

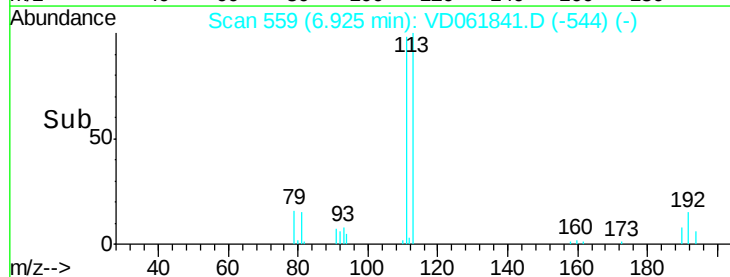
20000

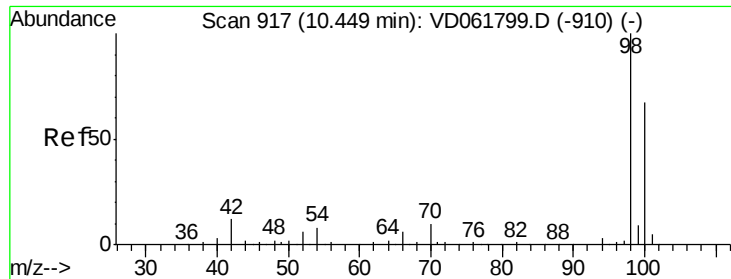
10000

0

6.80 6.90 7.00 7.10

Time-->

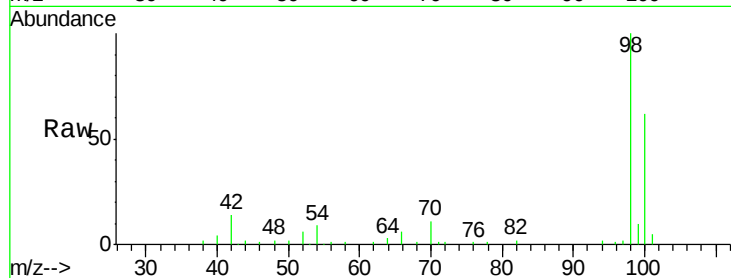




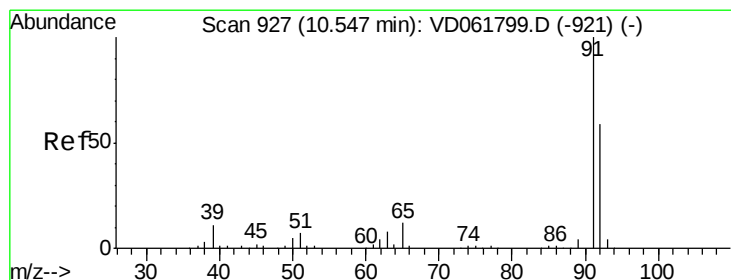
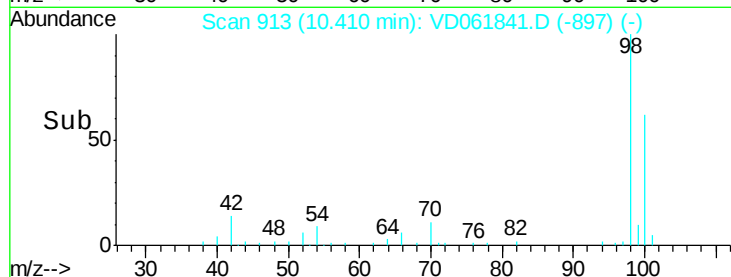
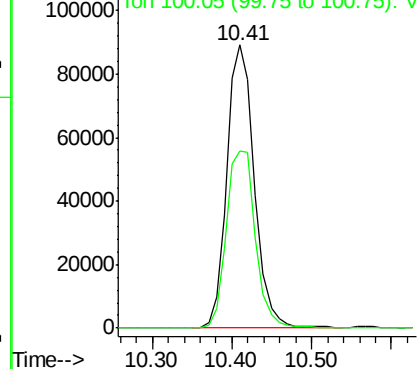
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.04 min
Lab File: VD061841.D
Acq: 17 Apr 2019 7:54

Instrument :
MSVOA_D
ClientSampleId :
TP4-A

Tot Ion: 98 Resp: 216055
Ion Ratio Lower Upper
98 100
100 62.5 53.8 80.8

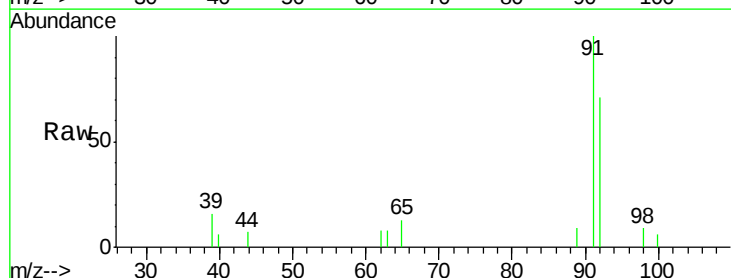


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

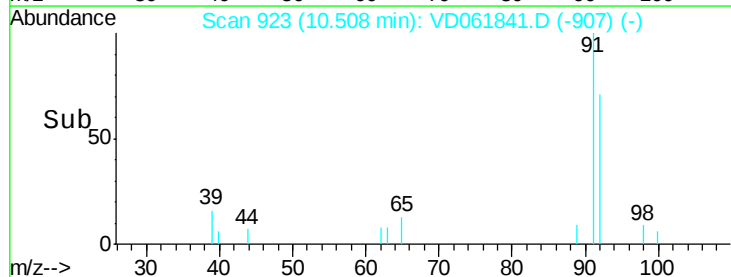
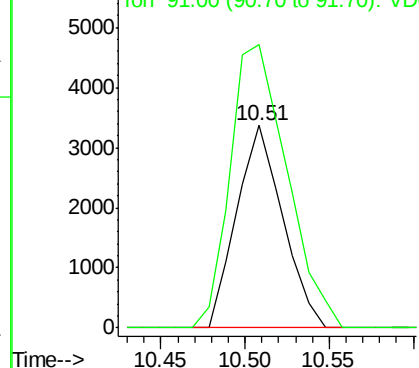


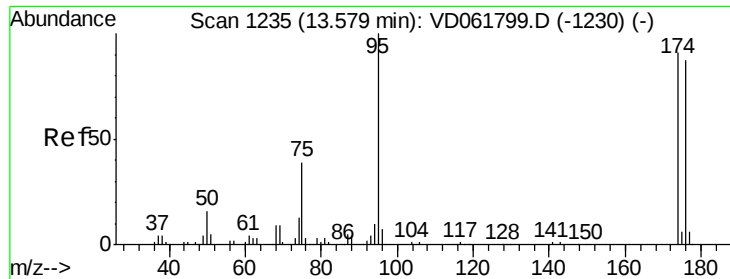
#52
Toluene
Concen: 1.567 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.04 min
Lab File: VD061841.D
Acq: 17 Apr 2019 7:54

Tgt Ion: 92 Resp: 6380
Ion Ratio Lower Upper
92 100
91 139.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

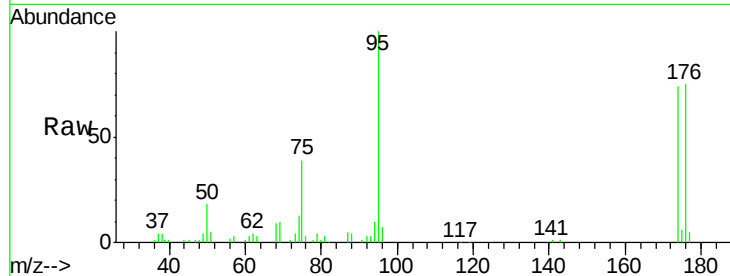




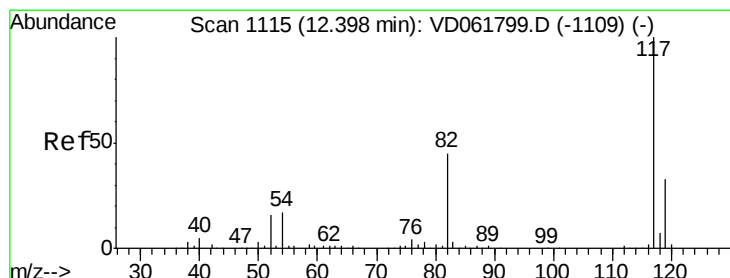
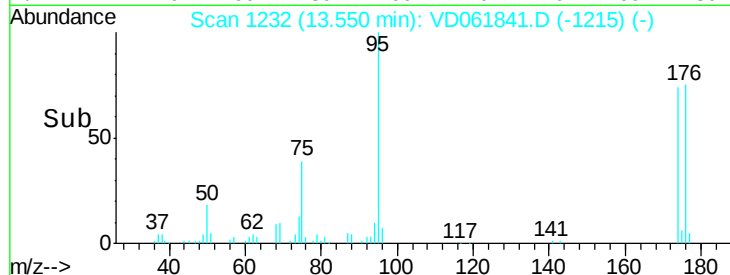
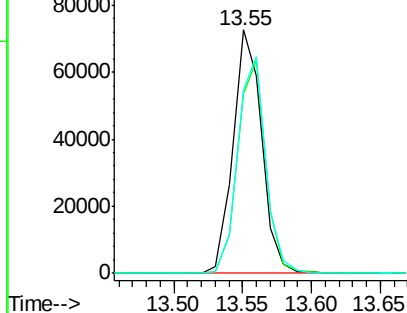
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VD061841.D
Acq: 17 Apr 2019 7:54

Instrument :
MSVOA_D
ClientSampleId :
TP4-A

Tot Ion: 95 Resp: 104740
Ion Ratio Lower Upper
95 100
174 73.9 0.0 181.8
176 75.3 0.0 174.4

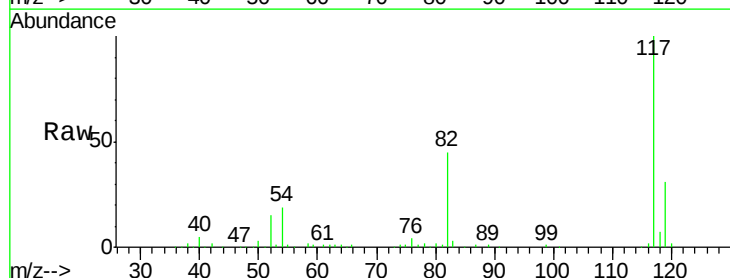


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

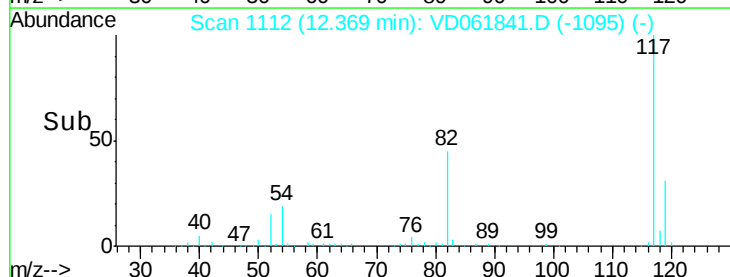
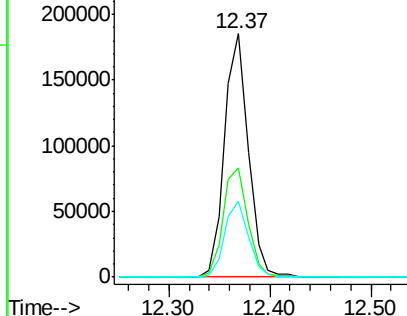


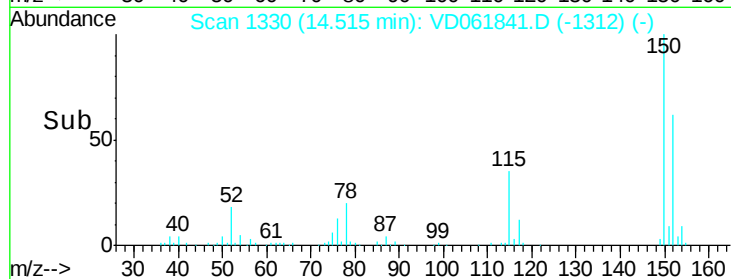
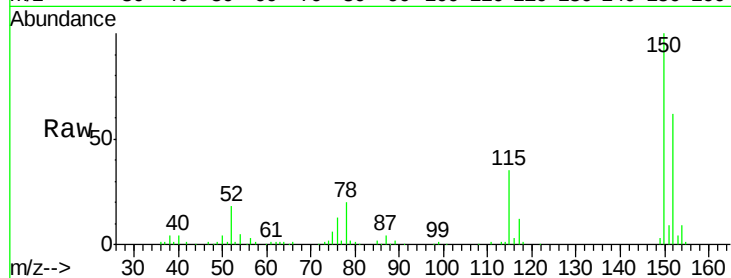
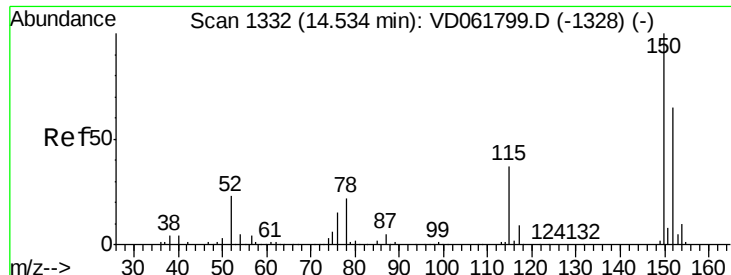
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061841.D
Acq: 17 Apr 2019 7:54

Tgt Ion: 117 Resp: 304451
Ion Ratio Lower Upper
117 100
82 44.8 36.2 54.2
119 31.4 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD061841.D

Acq: 17 Apr 2019 7:54

Instrument :

MSVOA_D

ClientSampleId :

TP4-A

Tot Ion:152 Resp: 146074

Ion Ratio Lower Upper

152 100

115 56.4 30.9 92.7

150 161.6 0.0 314.8

