

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031619\
 Data File : VD061106.D
 Acq On : 16 Mar 2019 13:46
 Operator : VA/AP
 Sample : K1921-01
 Misc : 4.05g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

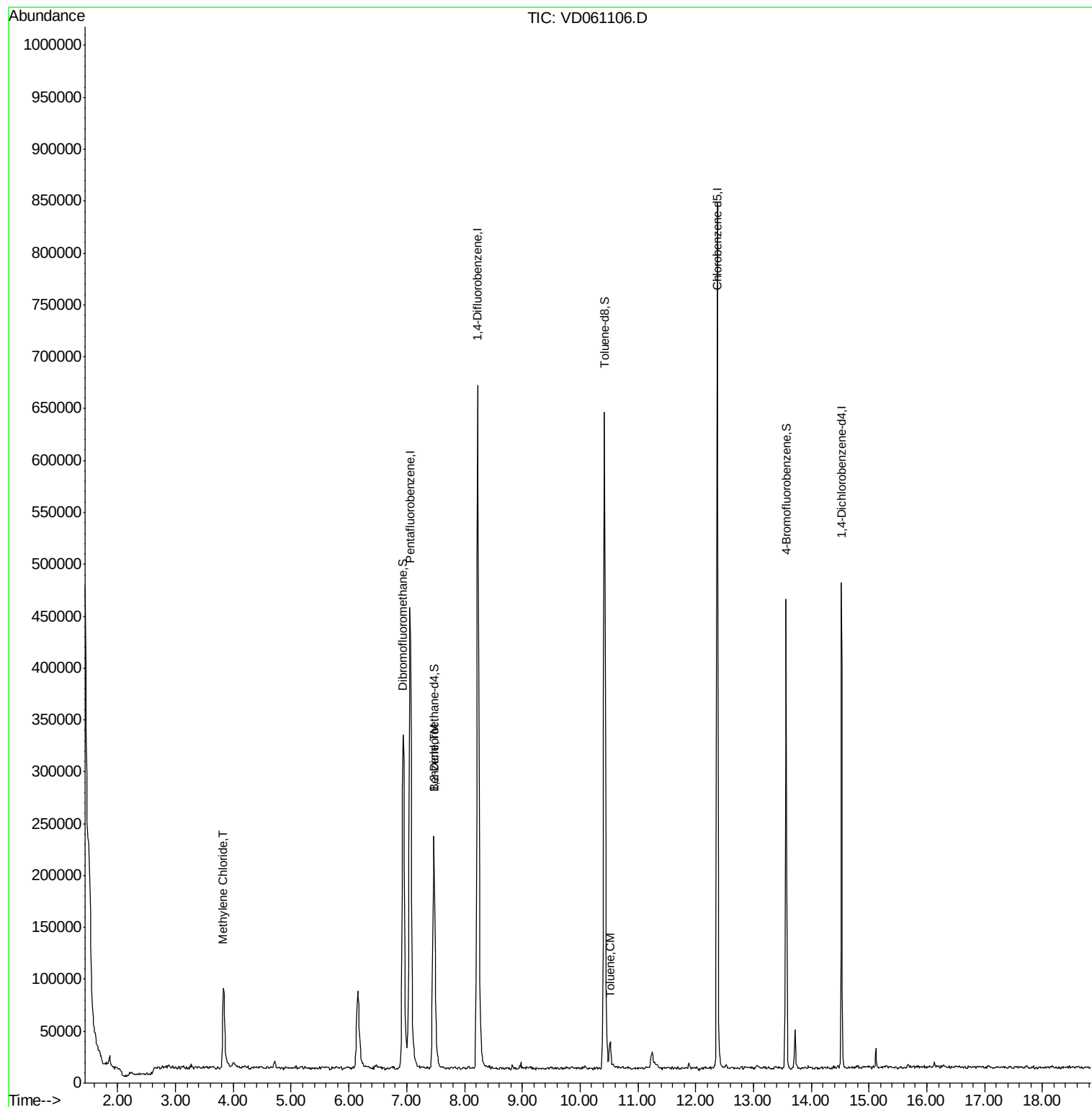
Quant Time: Mar 18 03:01:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

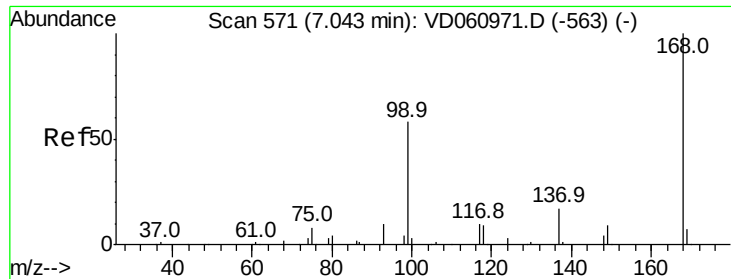
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	472667	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	819336	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	507457	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	115215	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	184674	46.94	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.88%	
35) Dibromofluoromethane	6.94	113	317616	52.23	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.46%	
50) Toluene-d8	10.42	98	584995	38.31	ug/l	0.02
Spiked Amount 50.000			Recovery	=	76.62%	
62) 4-Bromofluorobenzene	13.56	95	140219	23.67	ug/l	0.01
Spiked Amount 50.000			Recovery	=	47.34%	
Target Compounds						
20) Methylene Chloride	3.84	84	56728	7.052	ug/l	89
40) Benzene	7.47	78	23656	1.340	ug/l	96
52) Toluene	10.52	92	13477	1.228	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061106.D

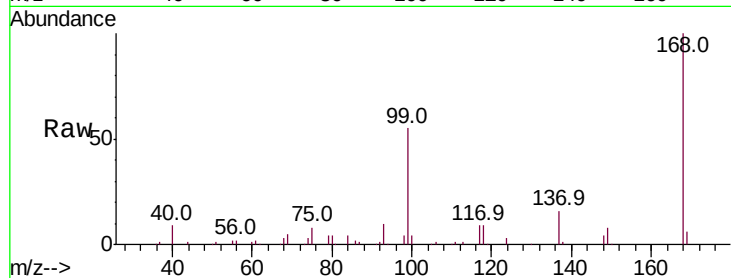
Acq: 16 Mar 2019 13:46

Tot Ion:168 Resp: 472667

Ion Ratio Lower Upper

168 100

99 54.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

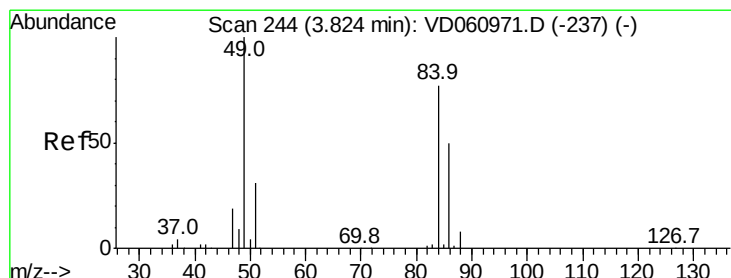
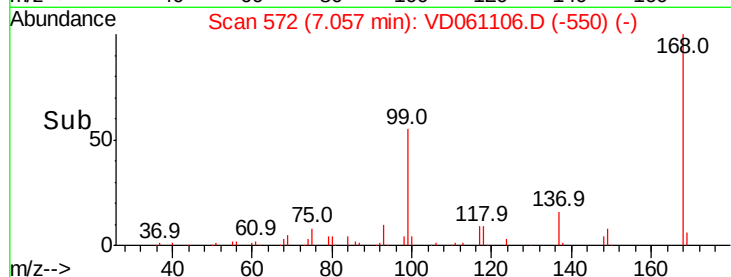
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 7.052 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.01 min

Lab File: VD061106.D

Acq: 16 Mar 2019 13:46

Tgt Ion: 84 Resp: 56728

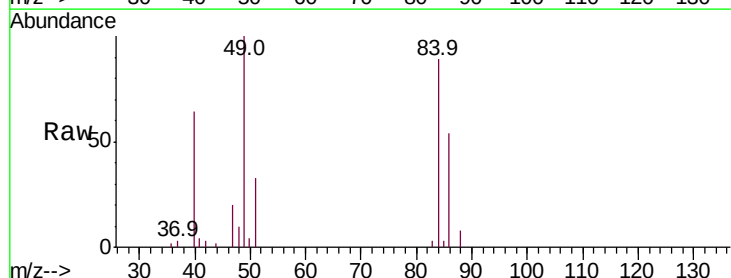
Ion Ratio Lower Upper

84 100

49 112.1 104.2 156.2

51 36.5 32.3 48.5

86 60.1 52.3 78.5



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

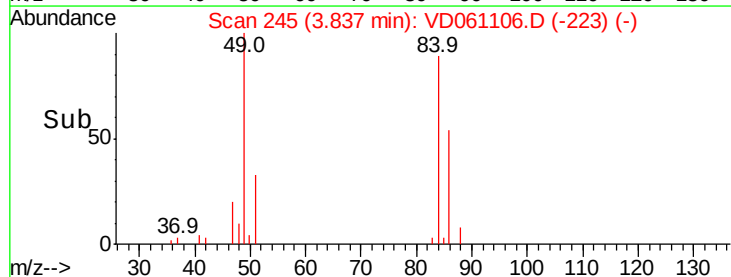
30000

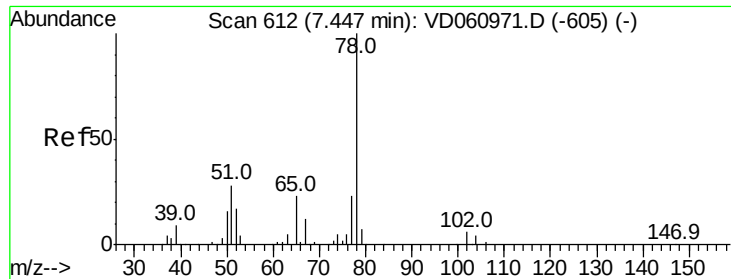
20000

10000

0

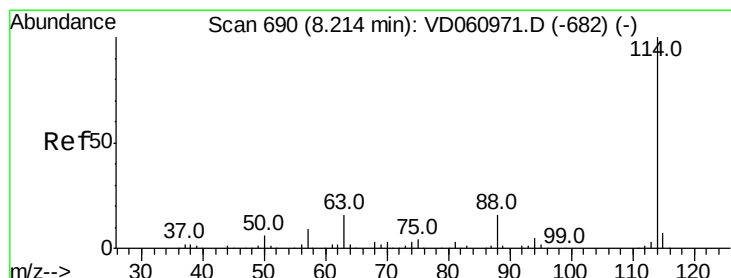
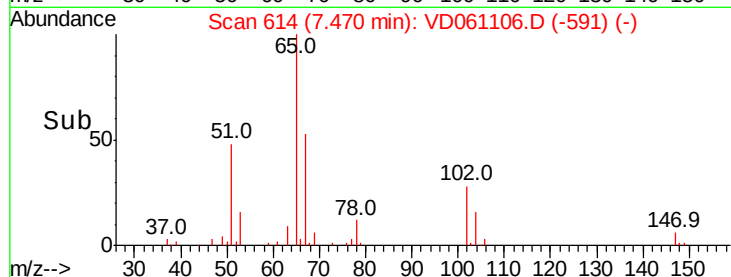
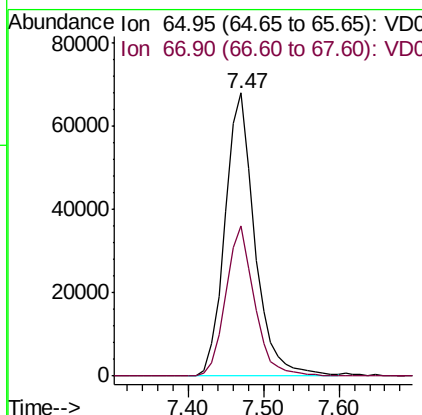
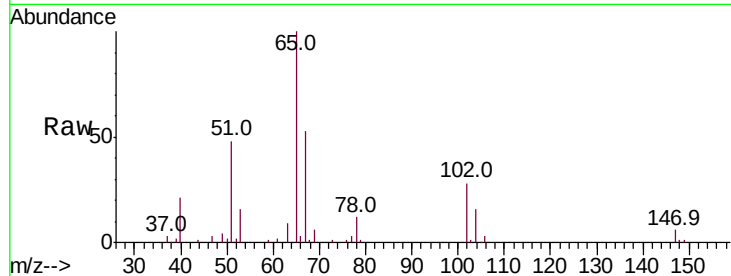
Time--> 3.70 3.80 3.90 4.00





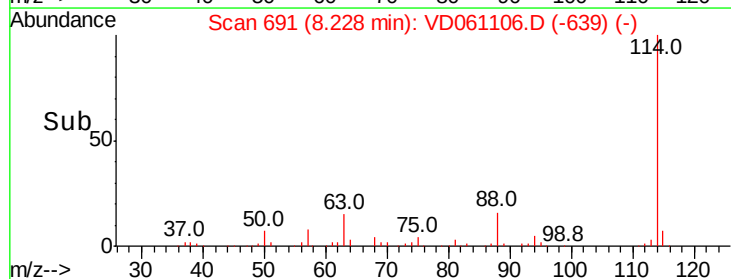
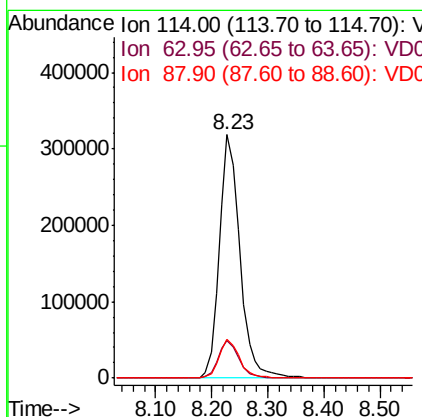
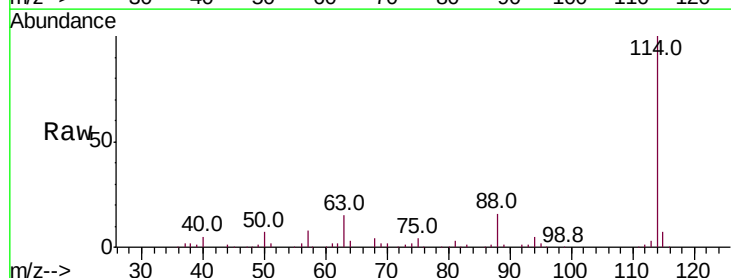
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061106.D
 Acq: 16 Mar 2019 13:46

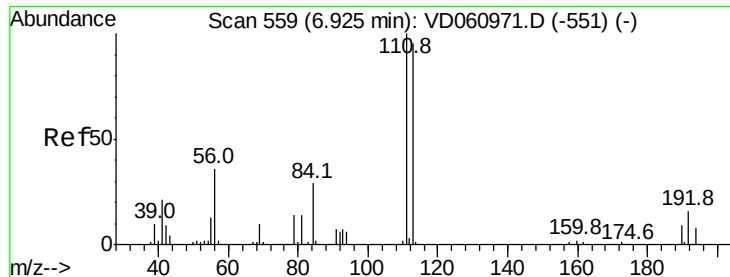
Tot Ion: 65 Resp: 184674
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061106.D
 Acq: 16 Mar 2019 13:46

Tgt Ion: 114 Resp: 819336
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.4
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061106.D

Acq: 16 Mar 2019 13:46

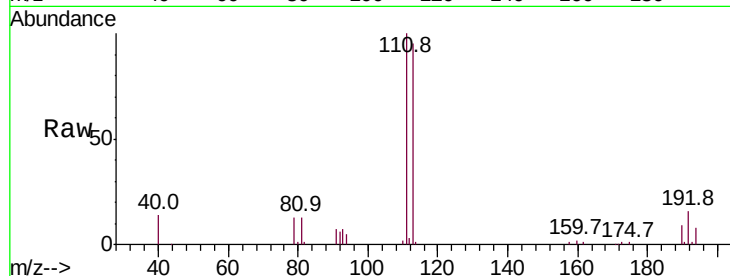
Tot Ion:113 Resp: 317616

Ion Ratio Lower Upper

113 100

111 105.2 84.2 126.4

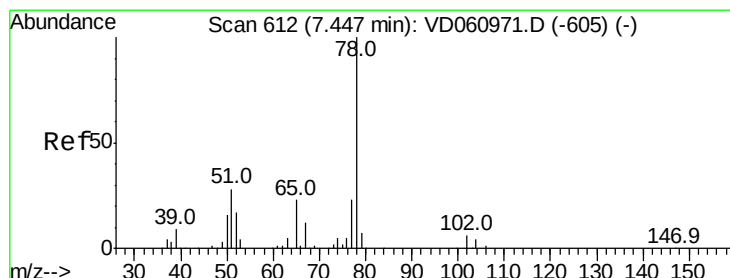
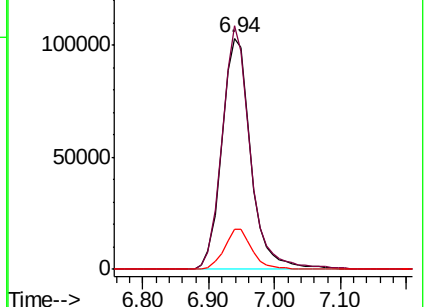
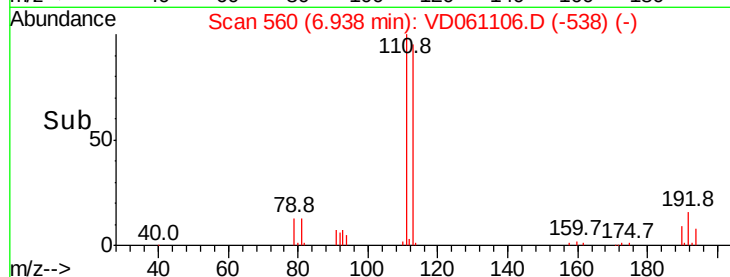
192 17.1 13.1 19.7



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



#40

Benzene

Concen: 1.340 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061106.D

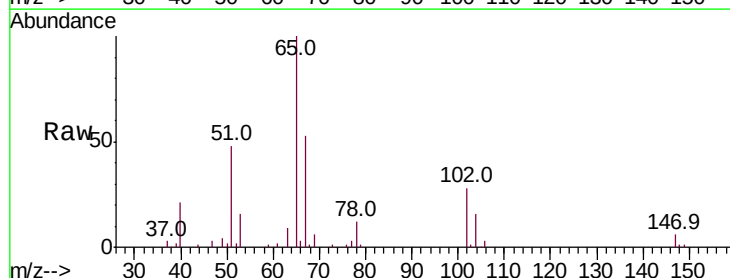
Acq: 16 Mar 2019 13:46

Tgt Ion: 78 Resp: 23656

Ion Ratio Lower Upper

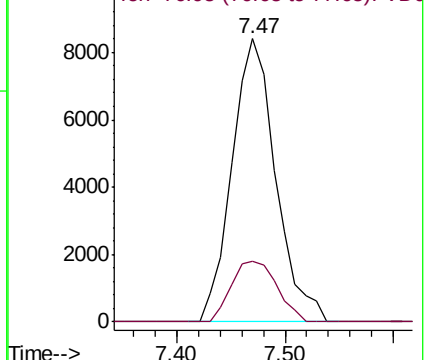
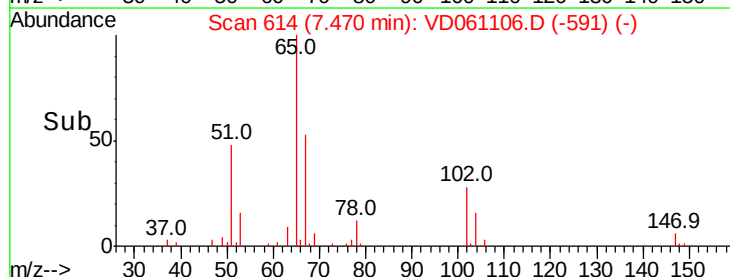
78 100

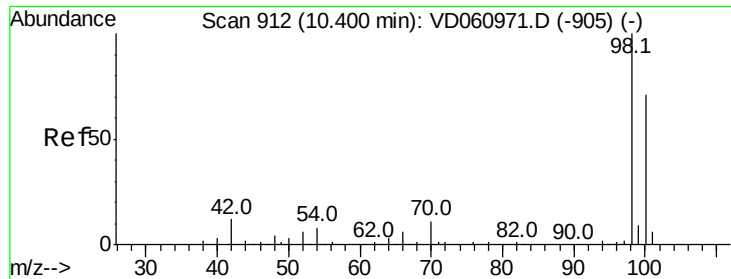
77 21.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061106.D

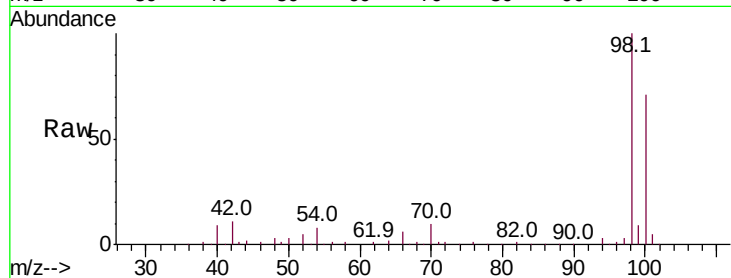
Acq: 16 Mar 2019 13:46

Tot Ion: 98 Resp: 584995

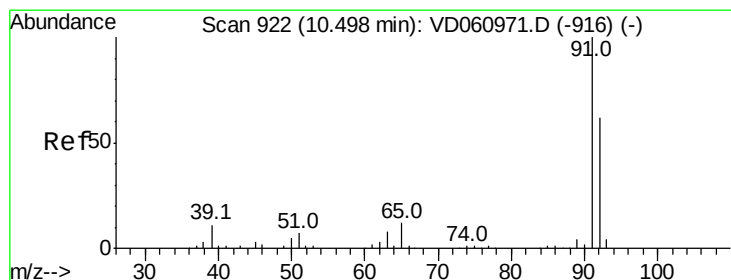
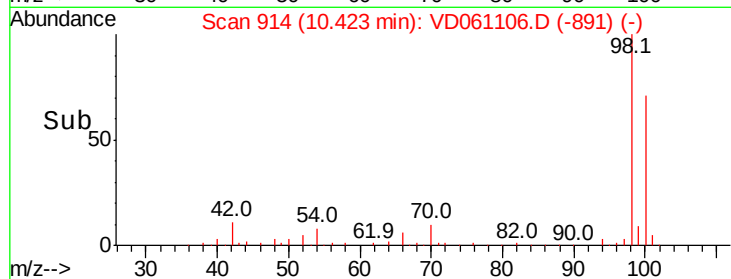
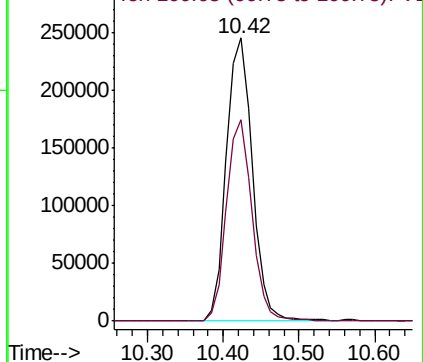
Ion Ratio Lower Upper

98 100

100 71.2 57.4 86.2



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



#52

Toluene

Concen: 1.228 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061106.D

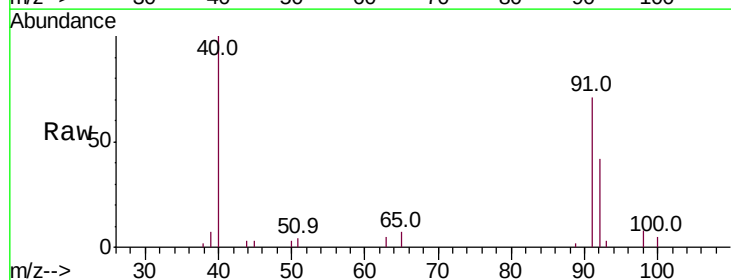
Acq: 16 Mar 2019 13:46

Tgt Ion: 92 Resp: 13477

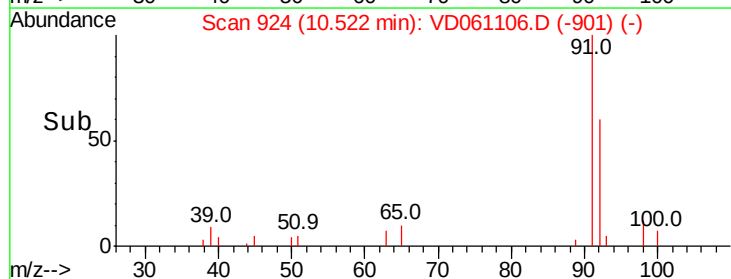
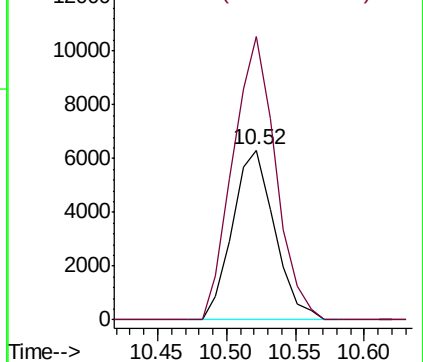
Ion Ratio Lower Upper

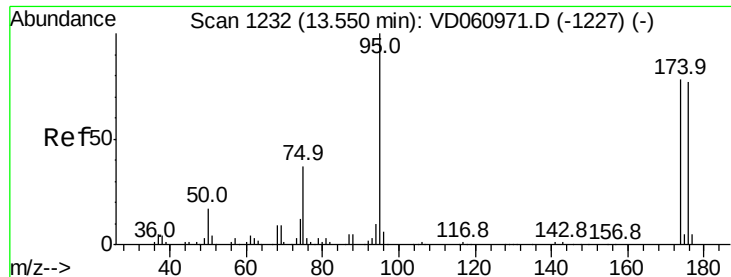
92 100

91 166.8 129.8 194.8



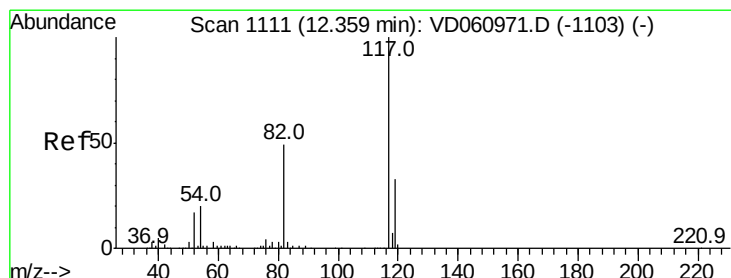
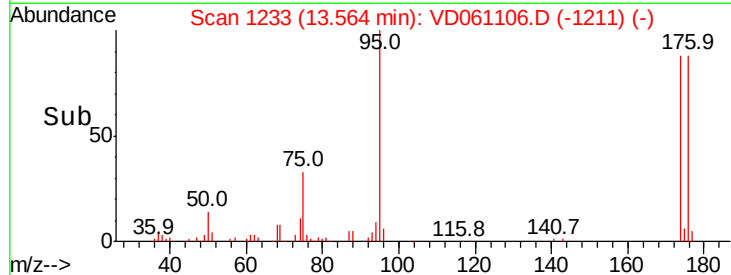
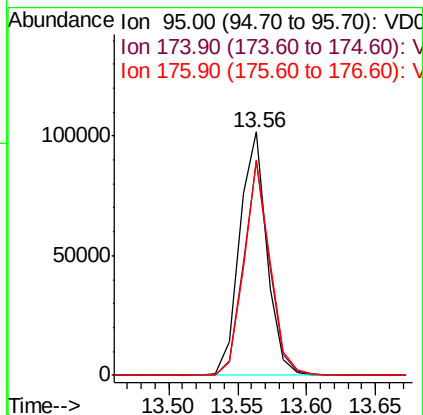
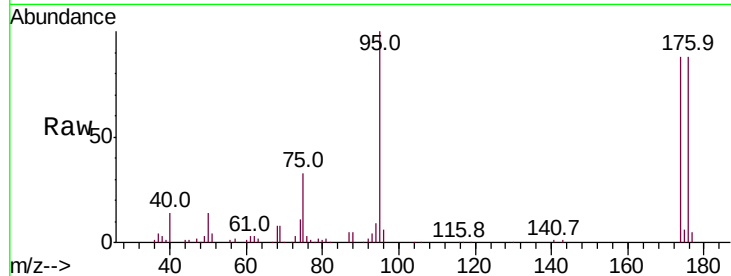
Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





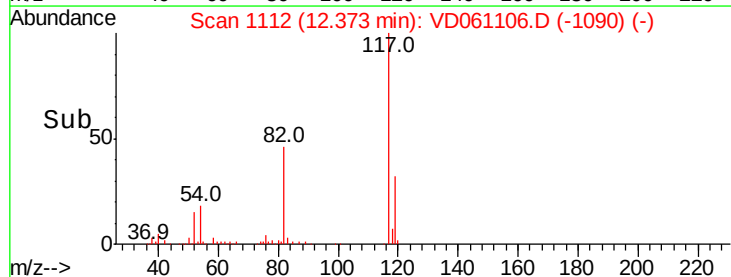
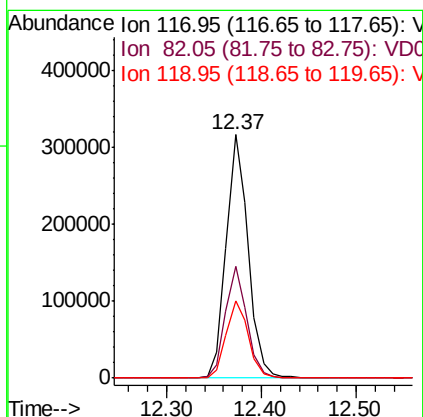
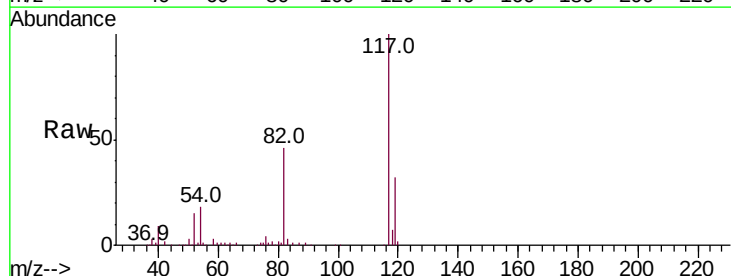
#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061106.D
 Acq: 16 Mar 2019 13:46

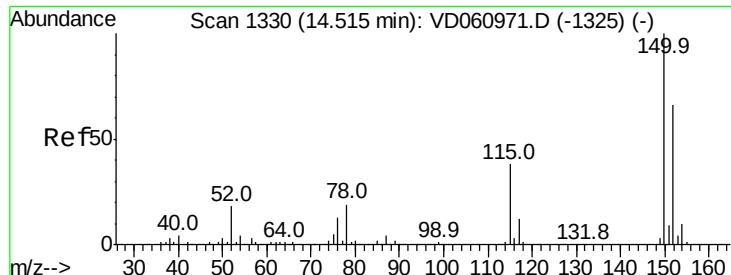
Tot Ion:	95	Resp:	140219
Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	155.6
176	88.4	0.0	153.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD061106.D
 Acq: 16 Mar 2019 13:46

Tgt Ion:	117	Resp:	507457
Ion	Ratio	Lower	Upper
117	100		
82	46.1	38.9	58.3
119	31.6	26.6	39.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061106.D
 Acq: 16 Mar 2019 13:46

Tot Ion:	152	Resp:	115215
Ion	Ratio	Lower	Upper
152	100		
115	63.5	28.6	85.9
150	152.7	0.0	310.6

