

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061604.D
 Acq On : 5 Apr 2019 5:14
 Operator : VA/AP
 Sample : K2257-01
 Misc : 5.26g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-A

Quant Time: Apr 05 07:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

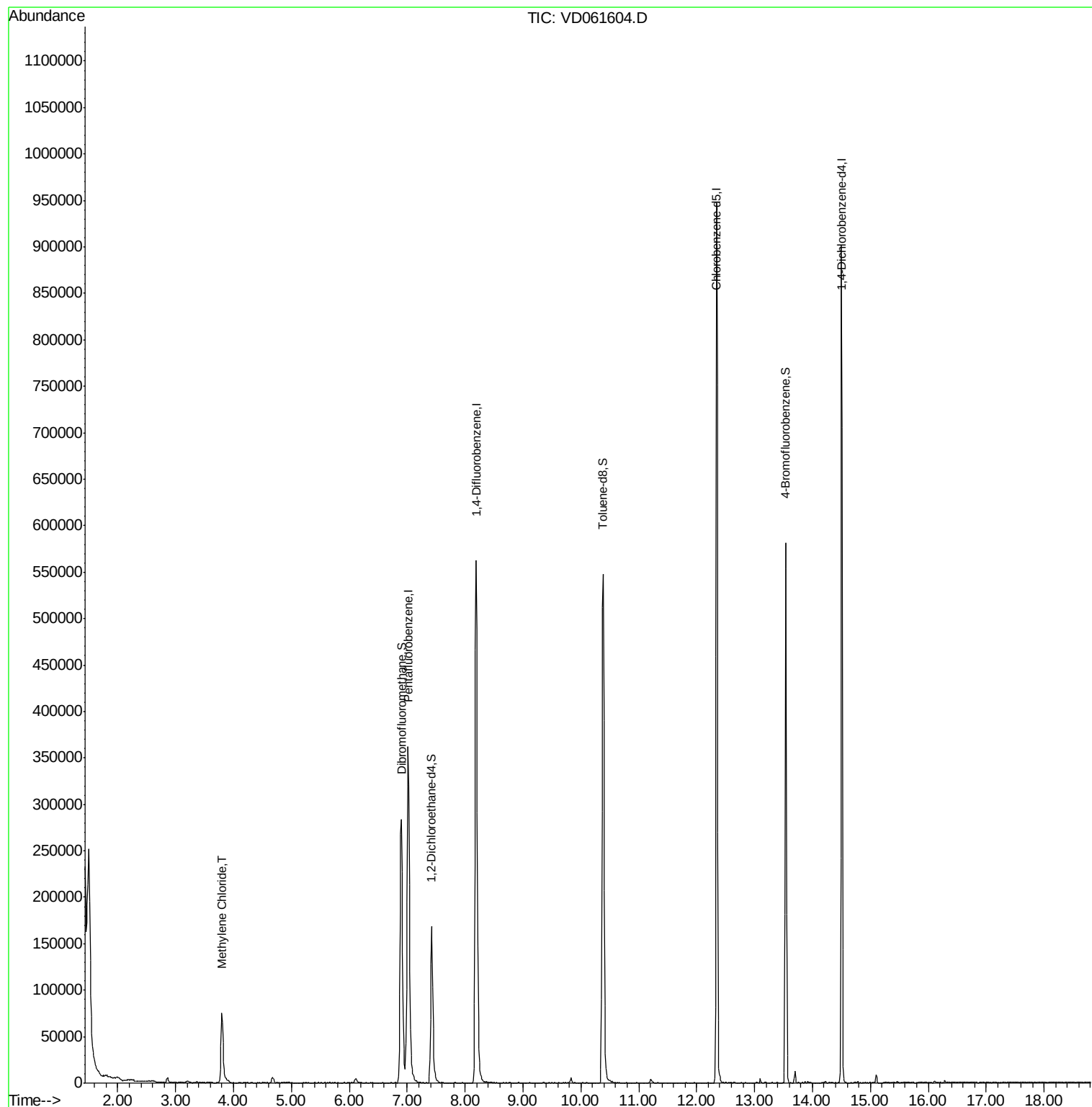
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	394269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	713323	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	576872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	218389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	173273	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
35) Dibromofluoromethane	6.90	113	277020	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
50) Toluene-d8	10.38	98	509566	38.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.96%	
62) 4-Bromofluorobenzene	13.53	95	206581	41.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.40%	
Target Compounds						
20) Methylene Chloride	3.80	84	58246	10.492	ug/l	Qvalue 97

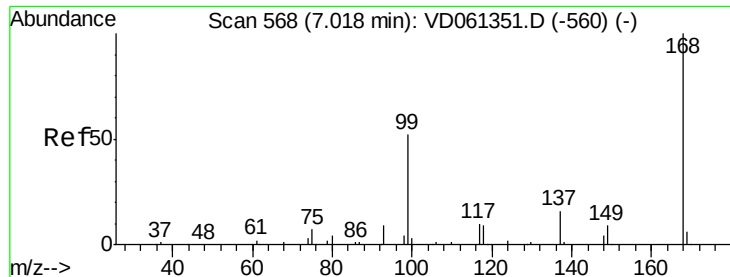
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

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MSVOA_D

ClientSampleID :

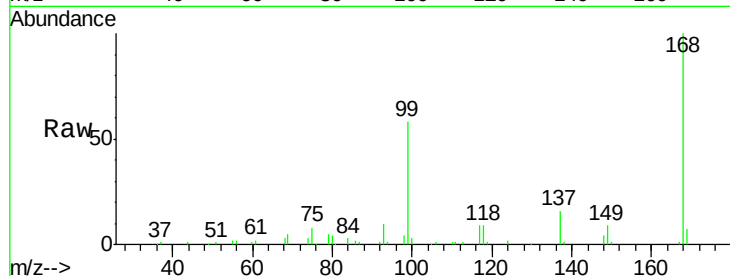
SP-1-A

Tot Ion:168 Resp: 394269

Ion Ratio Lower Upper

168 100

99 57.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

150000

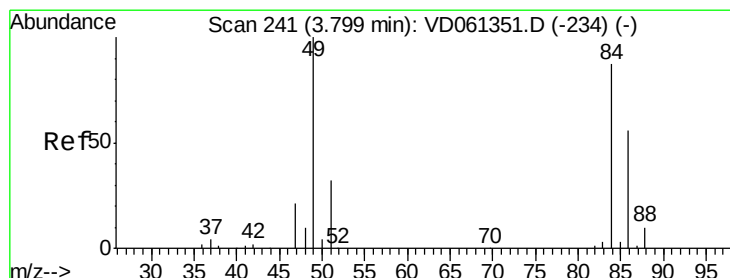
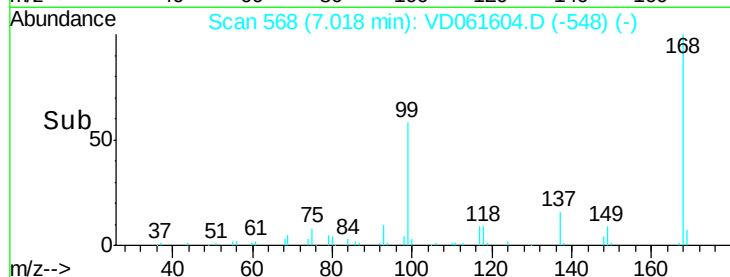
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#20

Methylene Chloride

Concen: 10.492 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

Tgt Ion: 84 Resp: 58246

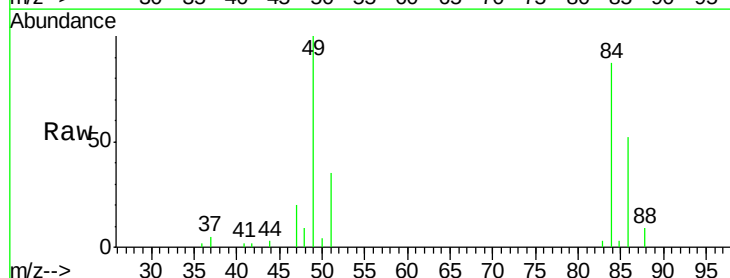
Ion Ratio Lower Upper

84 100

49 115.2 91.8 137.8

51 40.6 29.8 44.8

86 59.4 51.8 77.6



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

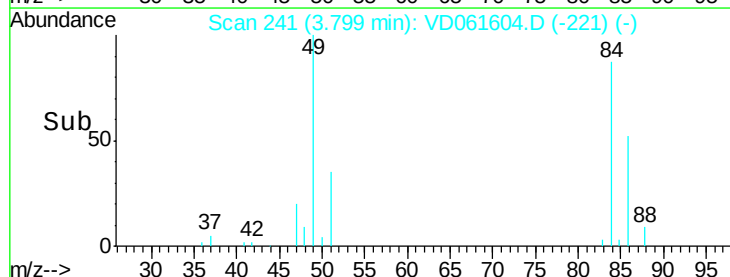
20000

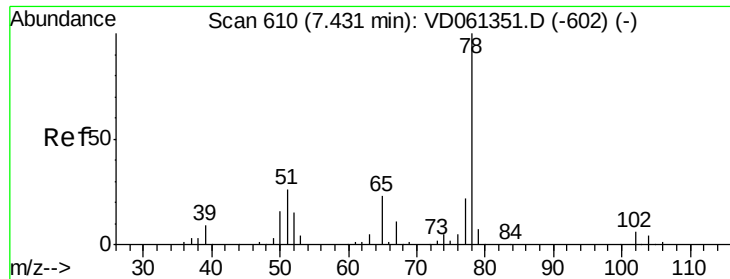
10000

0

3.70 3.80 3.90 4.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

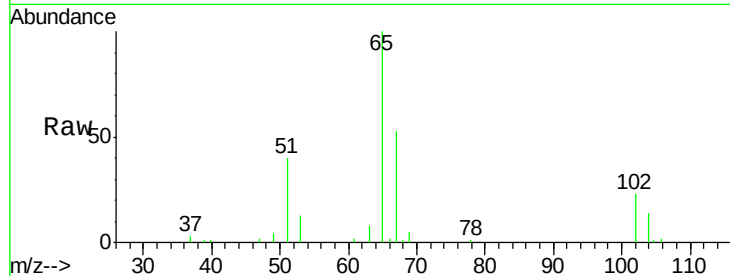
SP-1-A

Tot Ion: 65 Resp: 173273

Ion Ratio Lower Upper

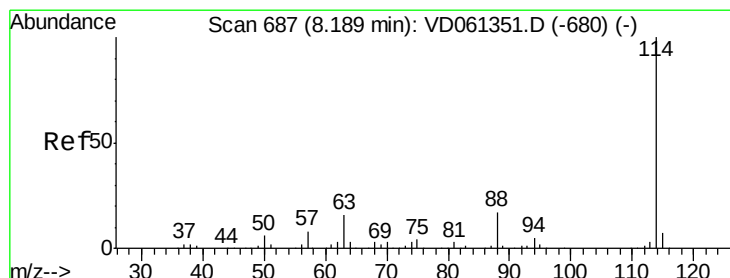
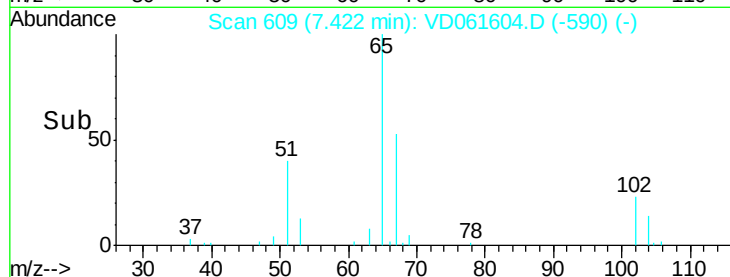
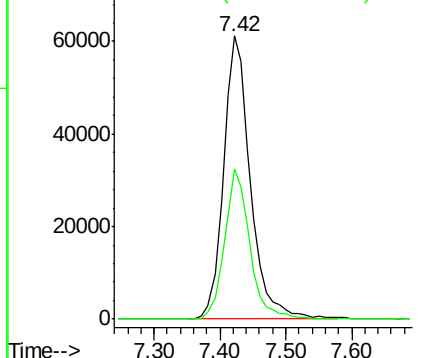
65 100

67 53.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

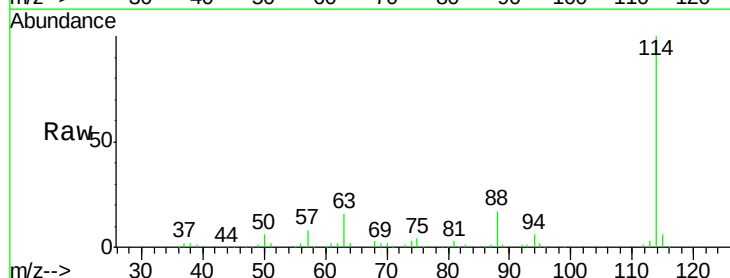
Tgt Ion:114 Resp: 713323

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.6

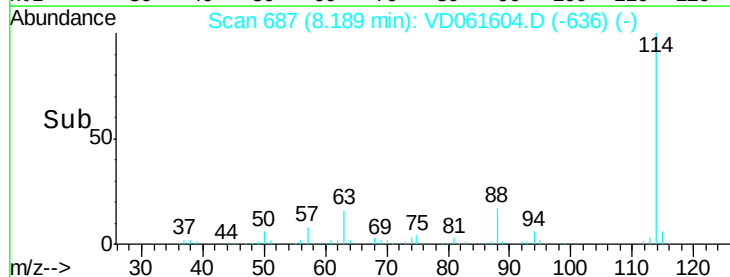
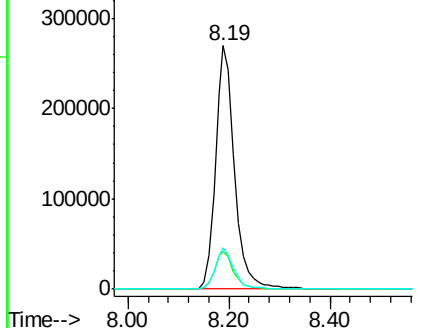
88 16.8 0.0 33.4

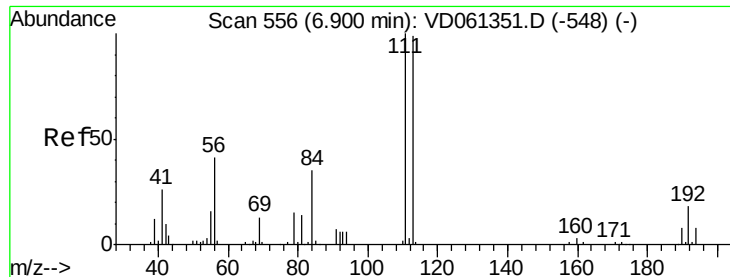


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

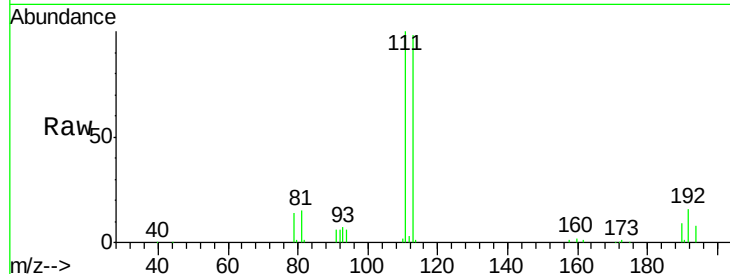




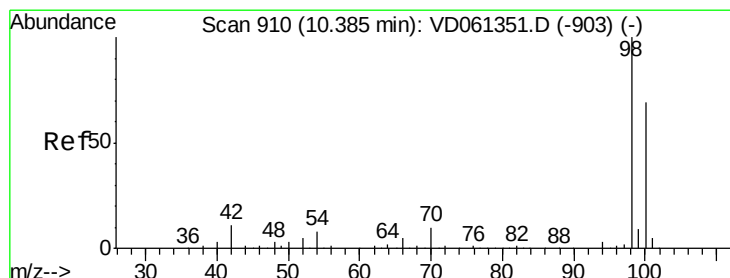
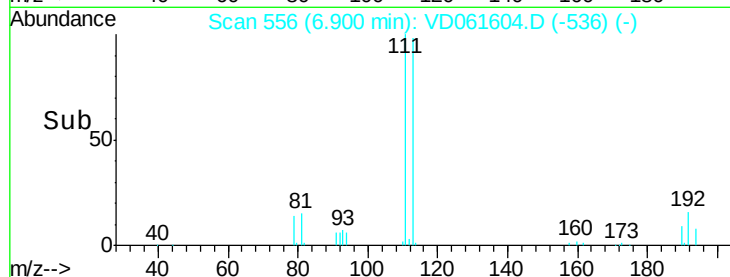
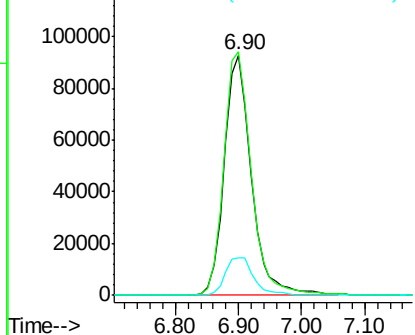
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.90 min Scan# 556
Delta R.T. 0.00 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Instrument :
MSVOA_D
ClientSampleId :
SP-1-A

Tot Ion:113 Resp: 277020
Ion Ratio Lower Upper
113 100
111 101.6 81.0 121.6
192 15.9 14.4 21.6

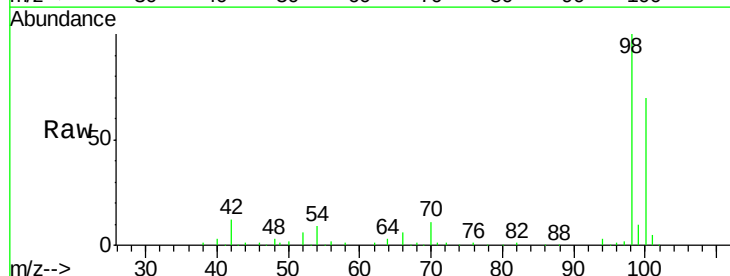


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

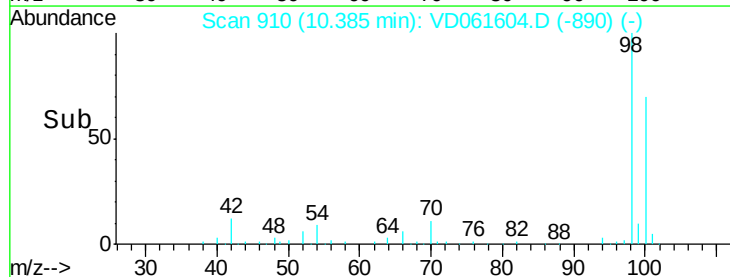
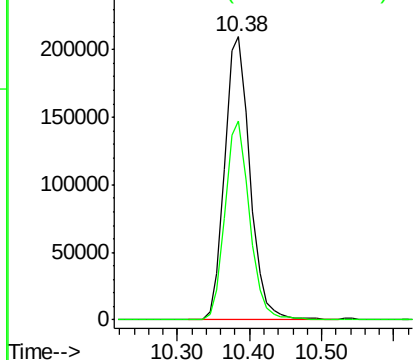


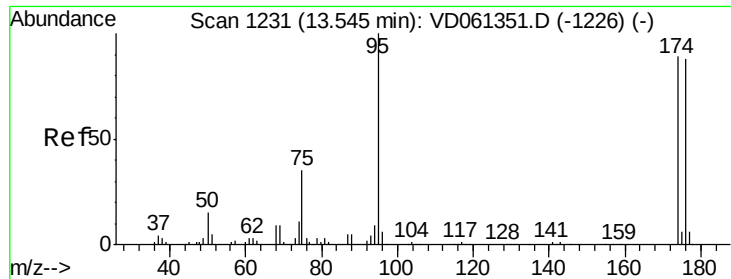
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Tgt Ion: 98 Resp: 509566
Ion Ratio Lower Upper
98 100
100 70.5 56.2 84.2



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

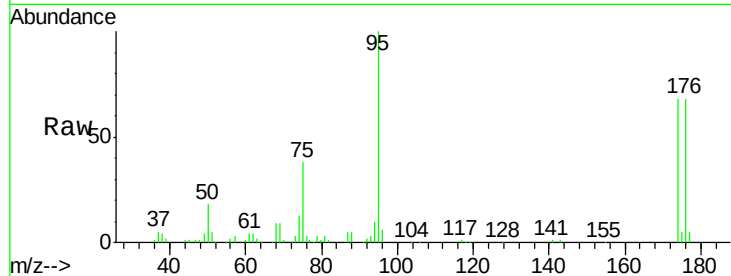




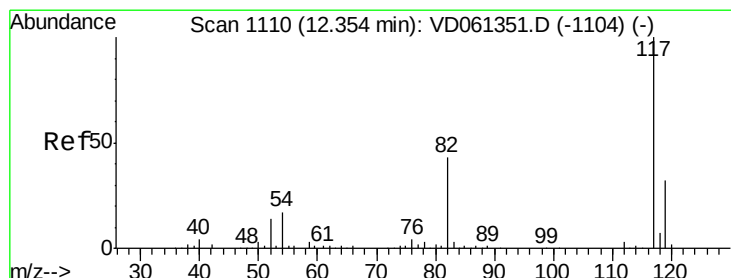
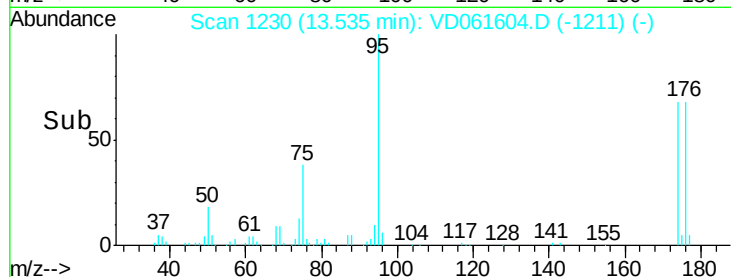
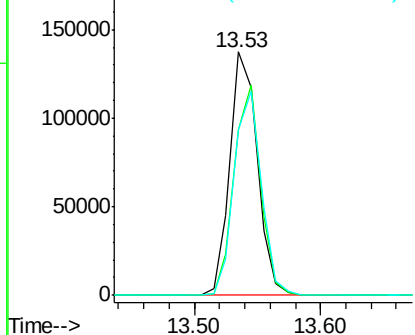
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.53 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Instrument :
MSVOA_D
ClientSampleId :
SP-1-A

Tot Ion: 95 Resp: 206581
Ion Ratio Lower Upper
95 100
174 67.9 0.0 178.0
176 68.2 0.0 175.0

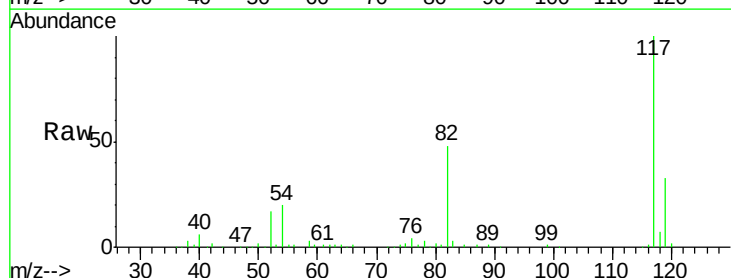


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

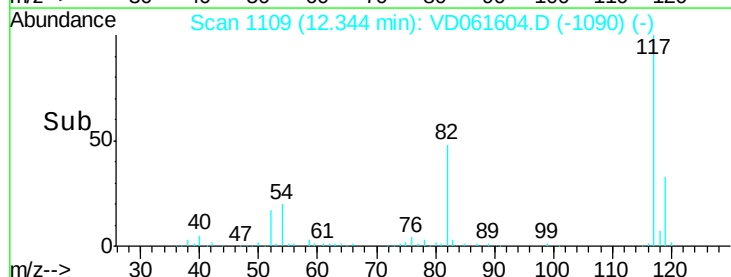
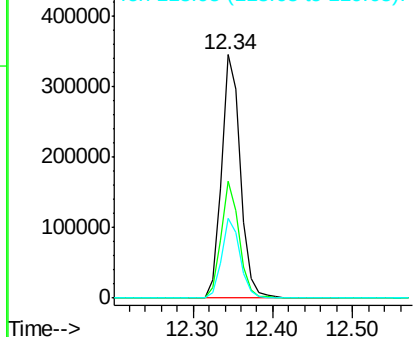


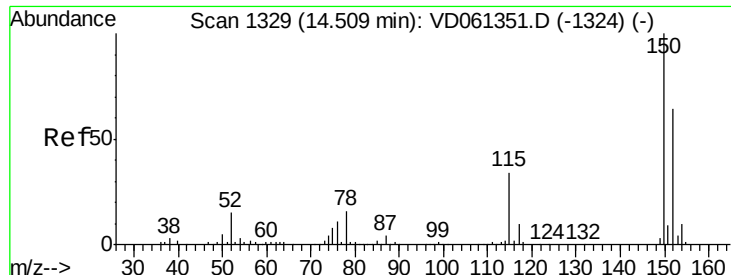
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Tgt Ion: 117 Resp: 576872
Ion Ratio Lower Upper
117 100
82 47.9 34.4 51.6
119 32.7 25.8 38.6



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: 14.50 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SP-1-A

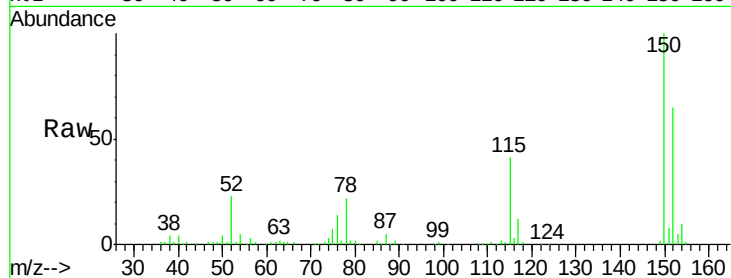
Tot Ion:152 Resp: 218389

Ion Ratio Lower Upper

152 100

115 62.8 26.9 80.6

150 153.3 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

