

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031619\
 Data File : VD061111.D
 Acq On : 16 Mar 2019 16:04
 Operator : VA/AP
 Sample : K1905-07
 Misc : 5.67g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

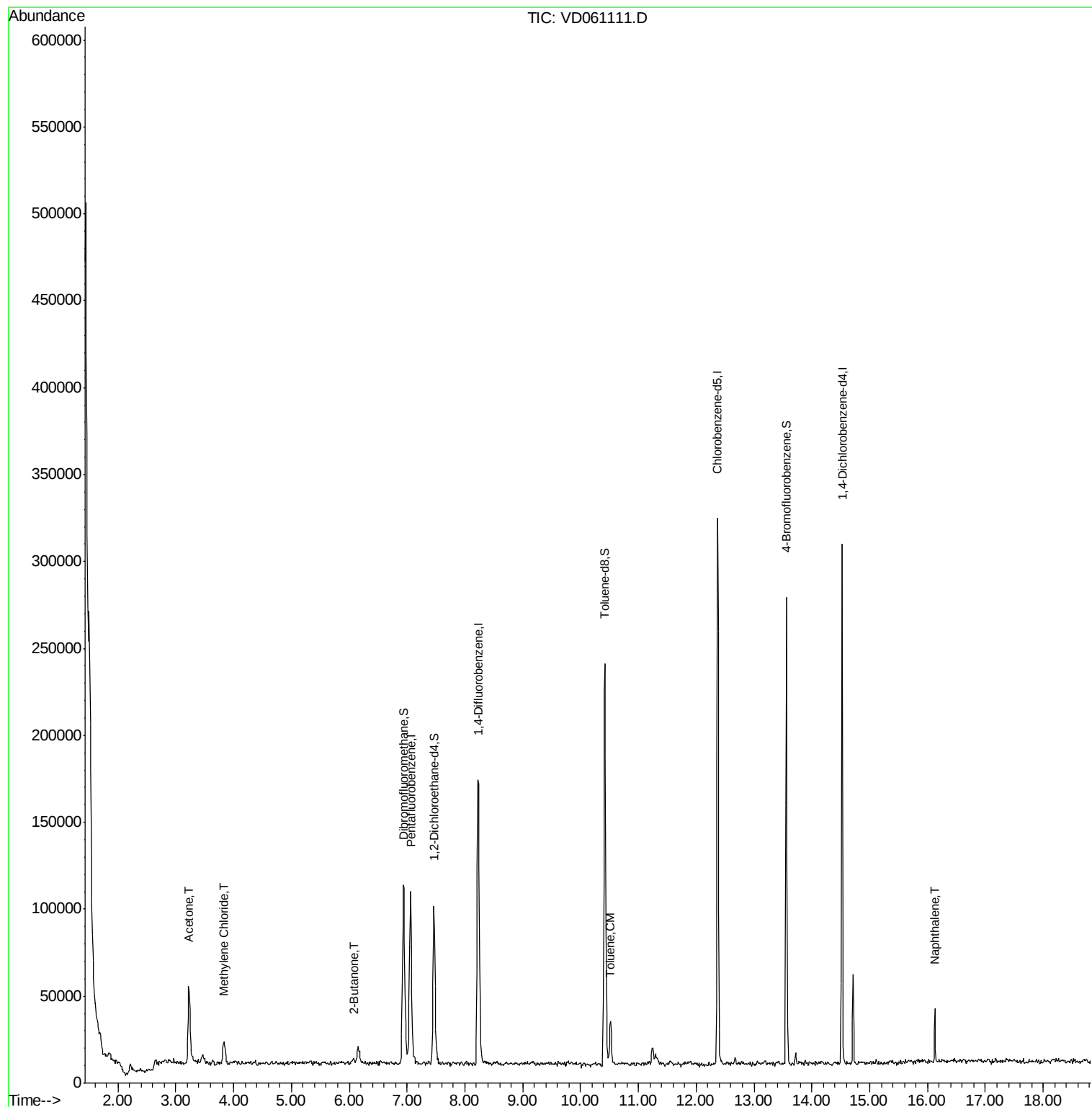
Quant Time: Mar 18 04:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

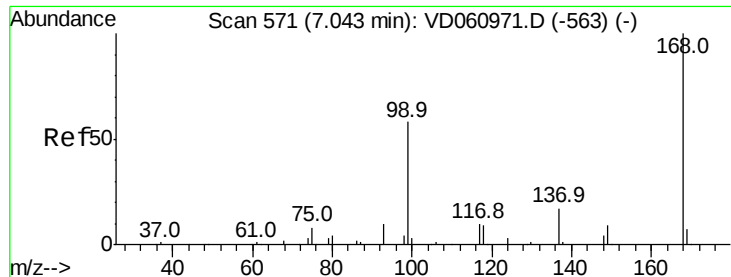
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	104510	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	216853	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	200649	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	78718	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	81689	93.90	ug/l	0.02
Spiked Amount 50.000			Recovery	=	187.80%	
35) Dibromofluoromethane	6.94	113	103186	64.12	ug/l	0.01
Spiked Amount 50.000			Recovery	=	128.24%	
50) Toluene-d8	10.42	98	210500	52.09	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	13.56	95	83130	53.01	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.02%	
Target Compounds						
16) Acetone	3.22	43	83108	334.085	ug/l	92
20) Methylene Chloride	3.83	84	9440	4.035	ug/l #	88
25) 2-Butanone	6.08	43	8635m	30.590	ug/l	
52) Toluene	10.52	92	14371	4.948	ug/l	94
95) Naphthalene	16.13	128	20204	13.295	ug/l	98

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061111.D

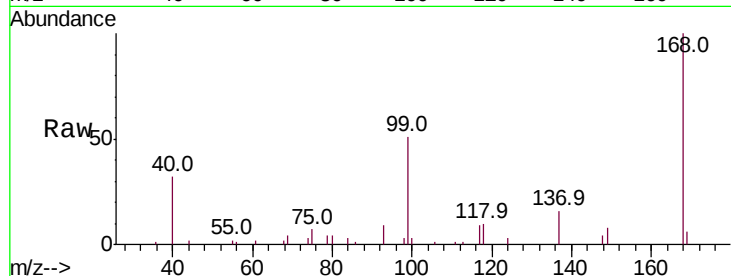
Acq: 16 Mar 2019 16:04

Tot Ion:168 Resp: 104510

Ion Ratio Lower Upper

168 100

99 50.5 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

40000

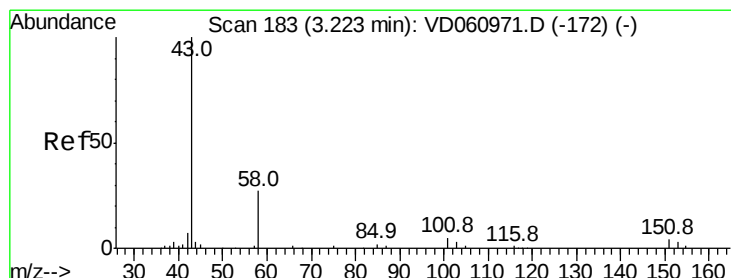
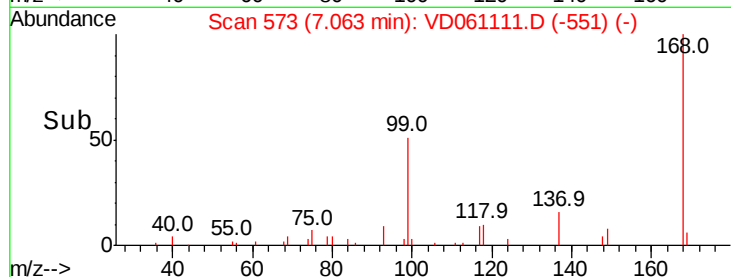
30000

20000

10000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 334.085 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061111.D

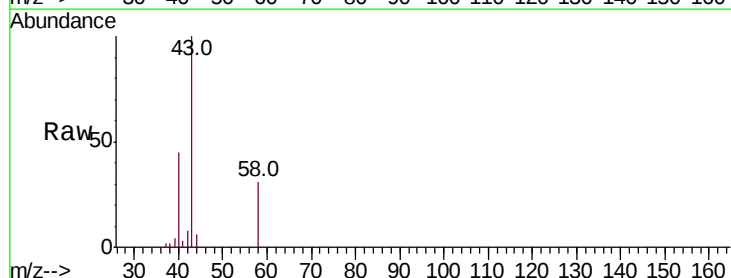
Acq: 16 Mar 2019 16:04

Tgt Ion: 43 Resp: 83108

Ion Ratio Lower Upper

43 100

58 31.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

30000

25000

20000

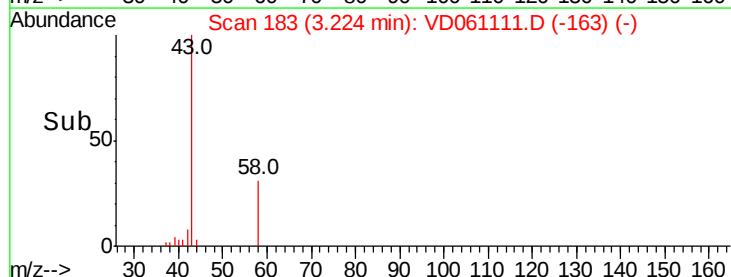
15000

10000

5000

0

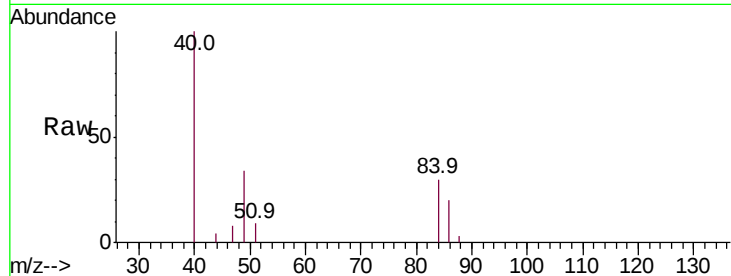
Time--> 3.10 3.20 3.30 3.40



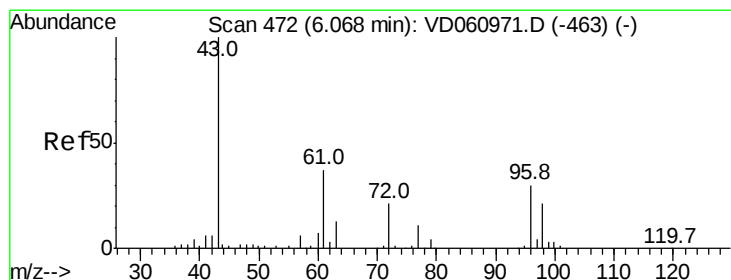
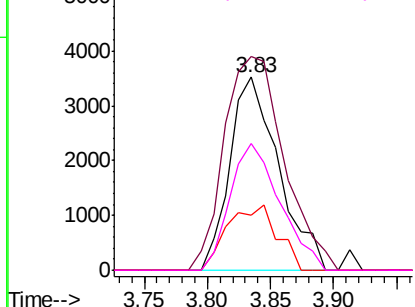
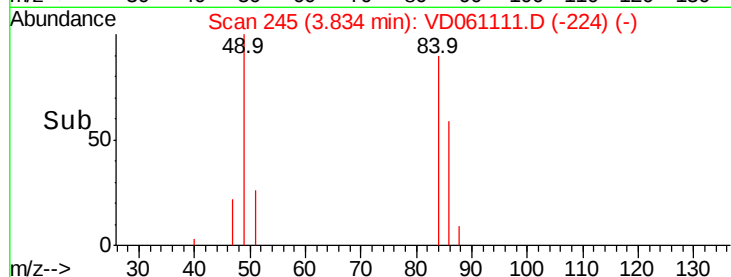


#20
Methvlene Chloride
Concen: 4.035 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061111.D
Acq: 16 Mar 2019 16:04

Tot Ion: 84 Resp: 9440
Ion Ratio Lower Upper
84 100
49 110.8 104.2 156.2
51 28.5 32.3 48.5#
86 65.6 52.3 78.5

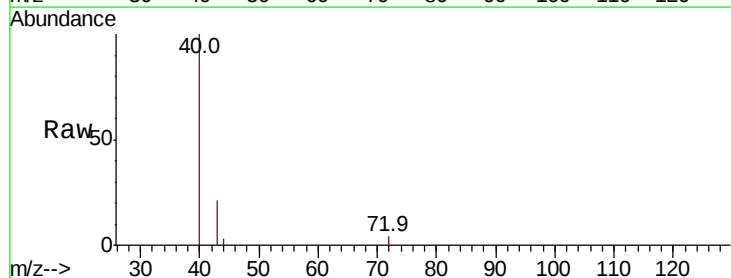


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

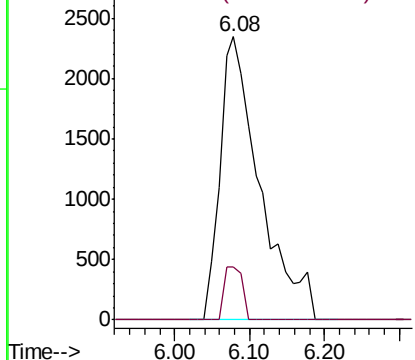
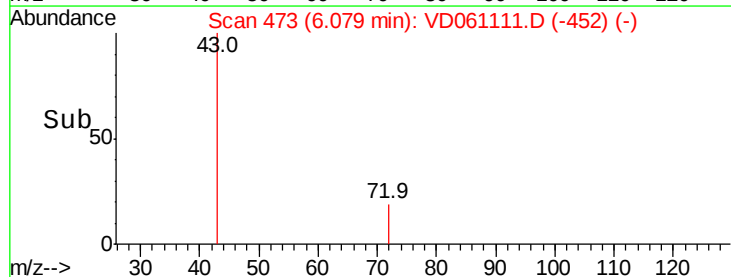


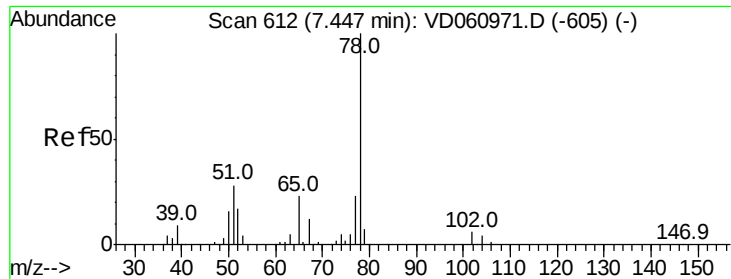
#25
2-Butanone
Concen: 30.590 ug/l m
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD061111.D
Acq: 16 Mar 2019 16:04

Tgt Ion: 43 Resp: 8635
Ion Ratio Lower Upper
43 100
72 18.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061111.D

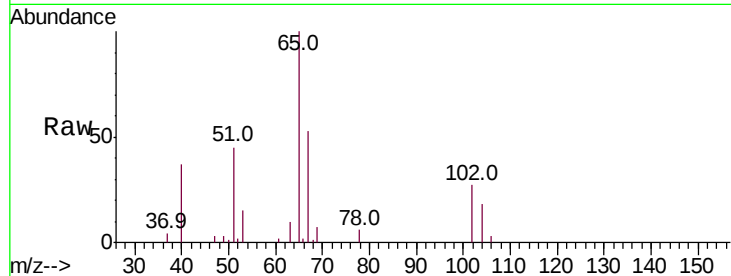
Acq: 16 Mar 2019 16:04

Tot Ion: 65 Resp: 81689

Ion Ratio Lower Upper

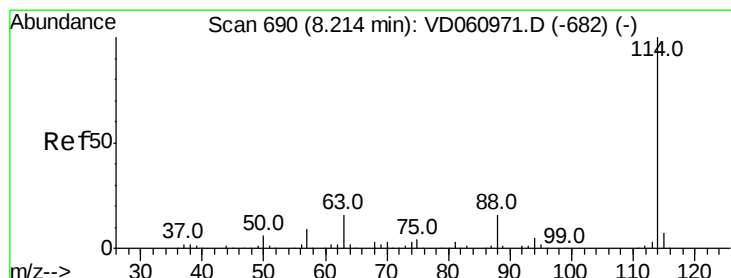
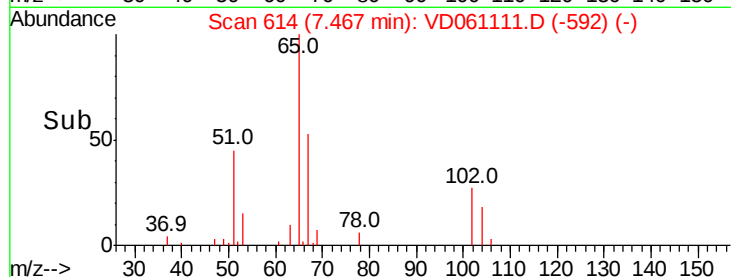
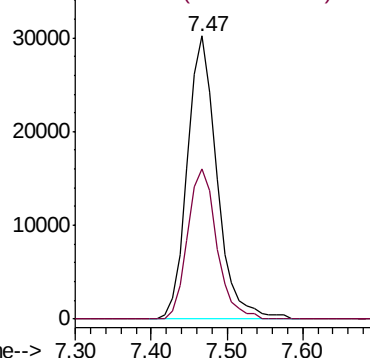
65 100

67 52.9 0.0 105.2



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: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061111.D

Acq: 16 Mar 2019 16:04

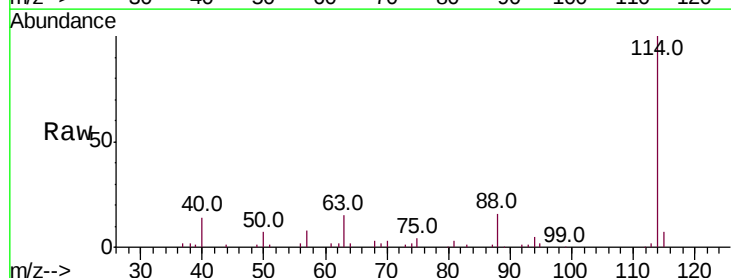
Tgt Ion:114 Resp: 216853

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.4

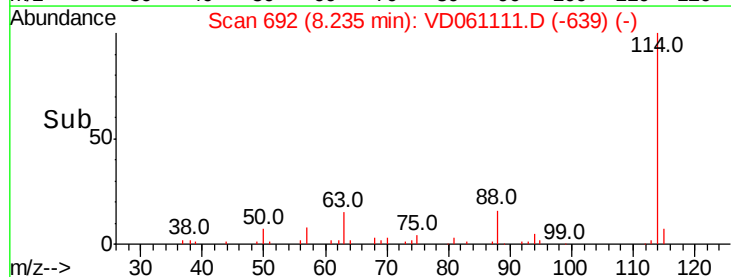
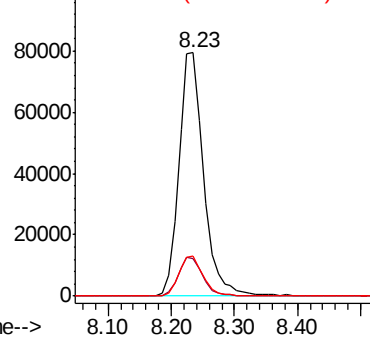
88 16.2 0.0 33.0

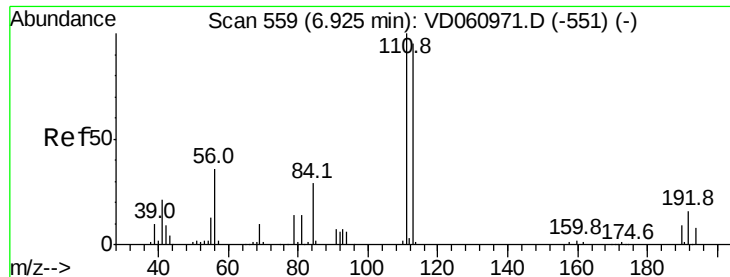


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061111.D

Acq: 16 Mar 2019 16:04

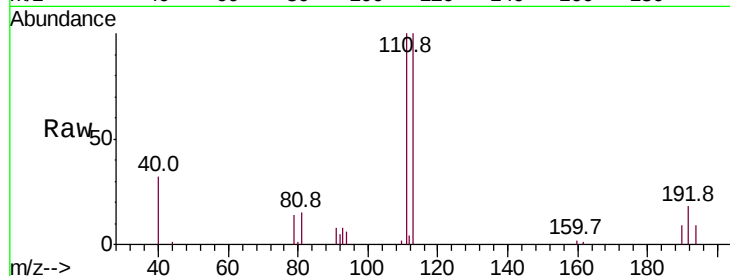
Tot Ion:113 Resp: 103186

Ion Ratio Lower Upper

113 100

111 99.7 84.2 126.4

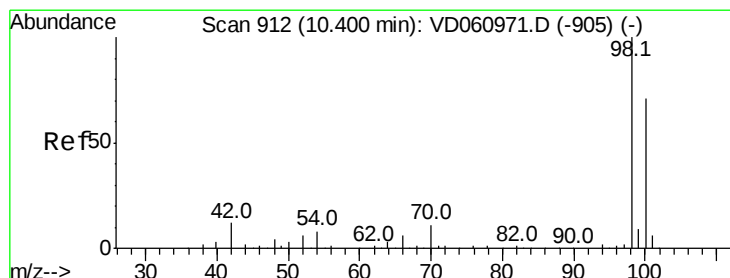
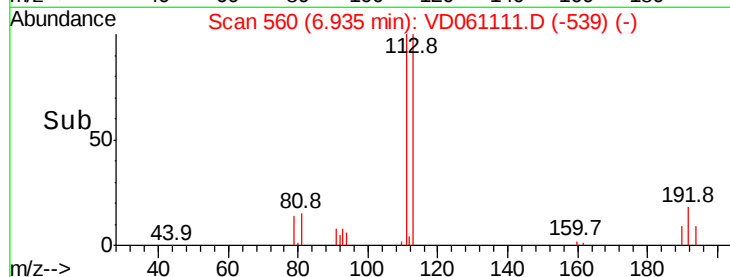
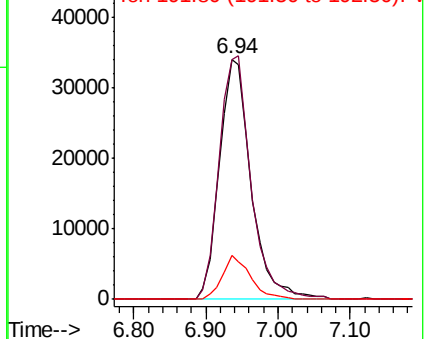
192 18.4 13.1 19.7



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061111.D

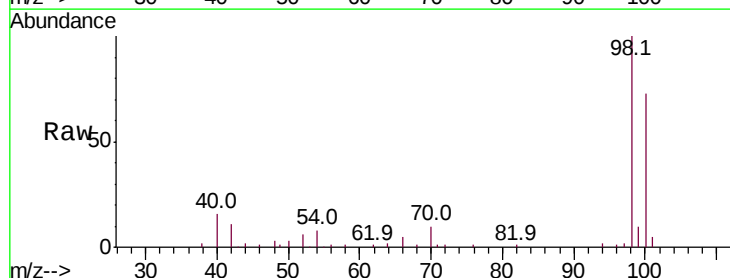
Acq: 16 Mar 2019 16:04

Tgt Ion: 98 Resp: 210500

Ion Ratio Lower Upper

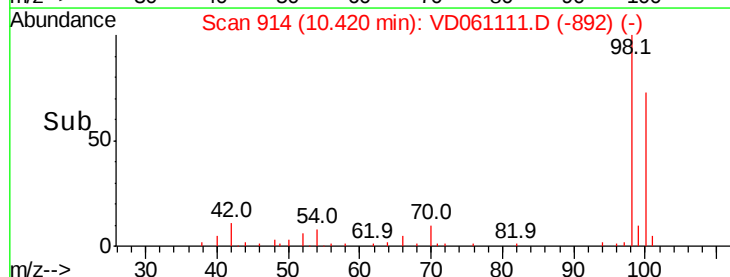
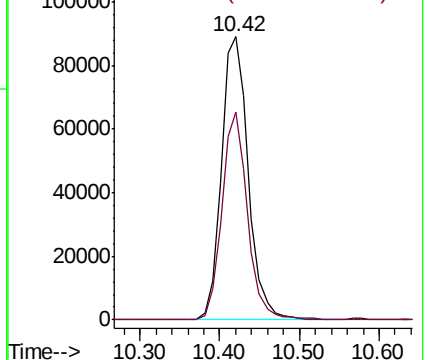
98 100

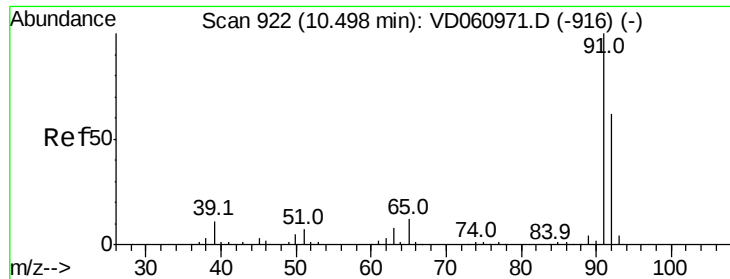
100 73.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 4.948 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061111.D

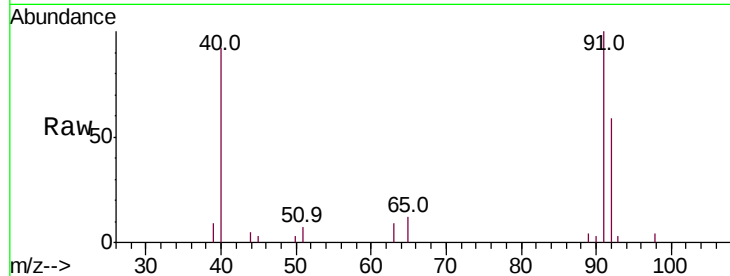
Acq: 16 Mar 2019 16:04

Tot Ion: 92 Resp: 14371

Ion Ratio Lower Upper

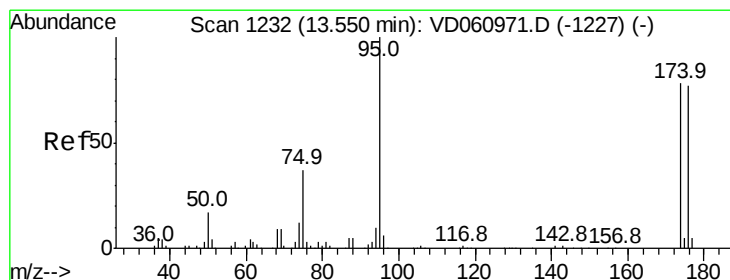
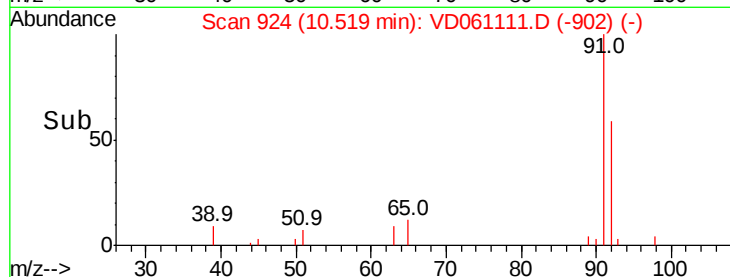
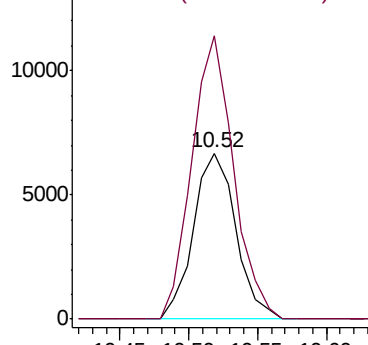
92 100

91 170.9 129.8 194.8



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: VD061111.D

Acq: 16 Mar 2019 16:04

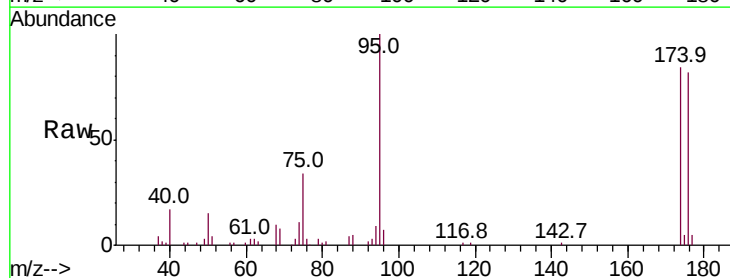
Tgt Ion: 95 Resp: 83130

Ion Ratio Lower Upper

95 100

174 83.9 0.0 155.6

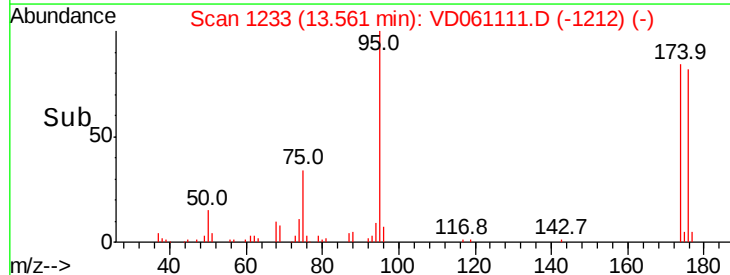
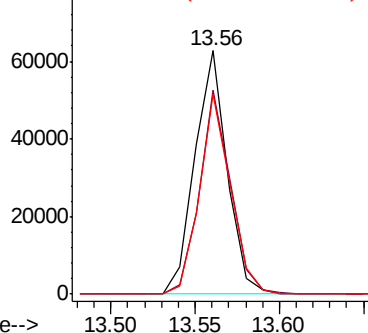
176 82.1 0.0 153.8

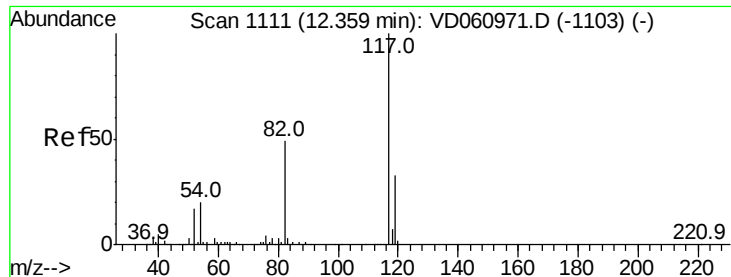


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

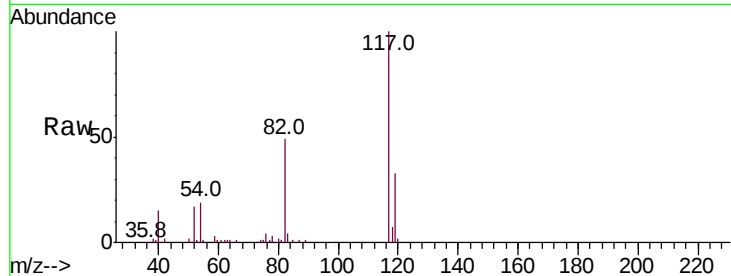
Ion 175.90 (175.60 to 176.60): V



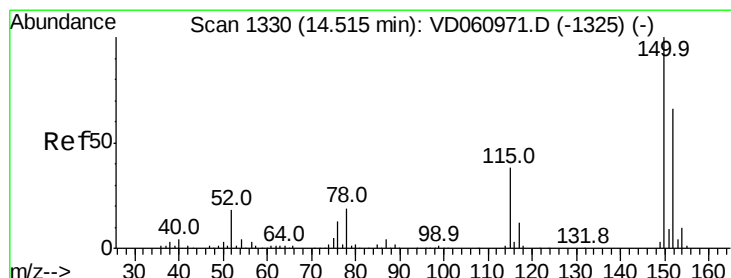
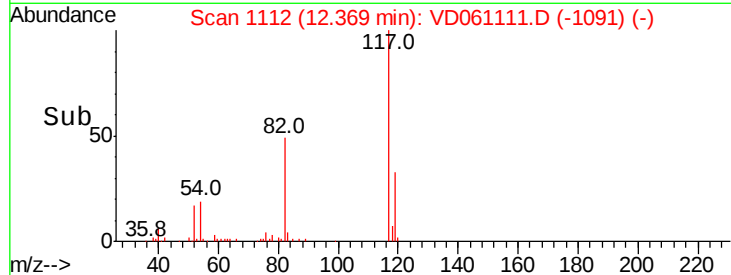
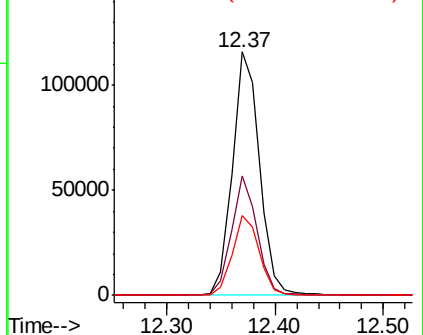


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061111.D
Acq: 16 Mar 2019 16:04

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	38.9	58.3
119	32.7	26.6	39.8

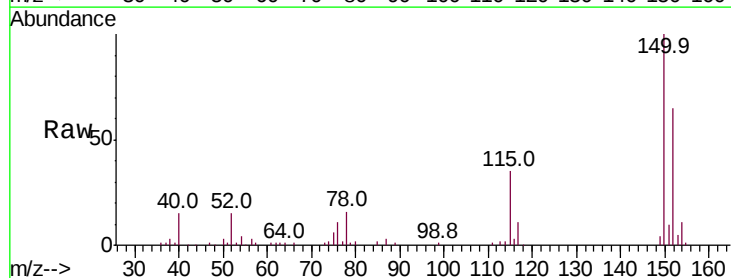


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

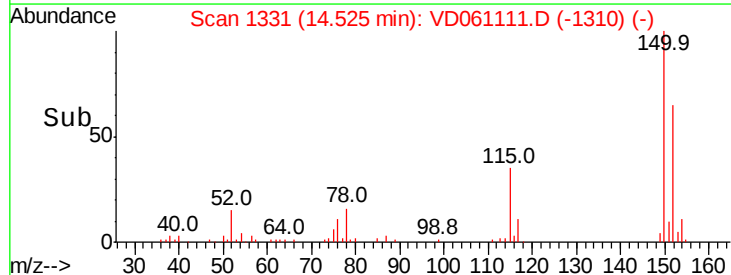
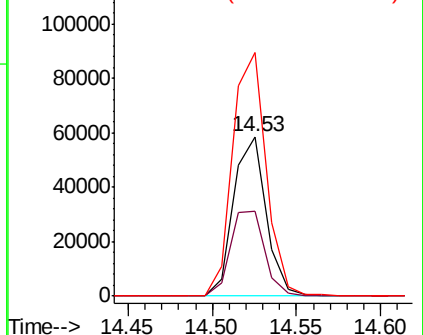


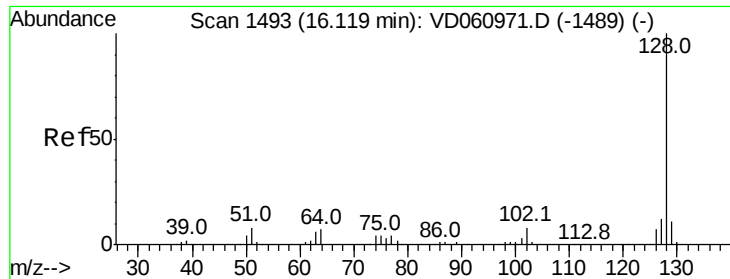
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061111.D
Acq: 16 Mar 2019 16:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	28.6	85.9
150	153.0	0.0	310.6



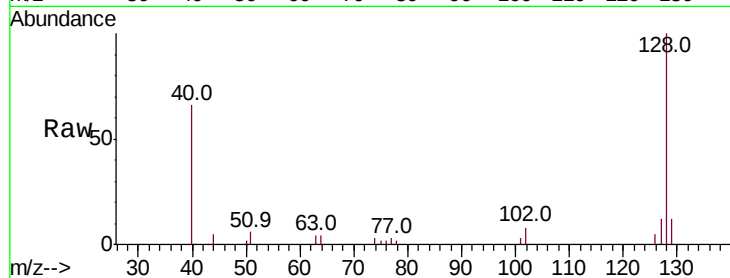
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#95
 Naphthalene
 Concen: 13.295 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD061111.D
 Acq: 16 Mar 2019 16:04

Tot Ion:128 Resp: 20204
 Ion Ratio Lower Upper
 128 100
 127 12.1 9.8 14.8
 129 12.1 8.5 12.7



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

