

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061077.D
 Acq On : 14 Mar 2019 20:58
 Operator : VA/AP
 Sample : K1908-05
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 93-94

Quant Time: Mar 15 03:54:20 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

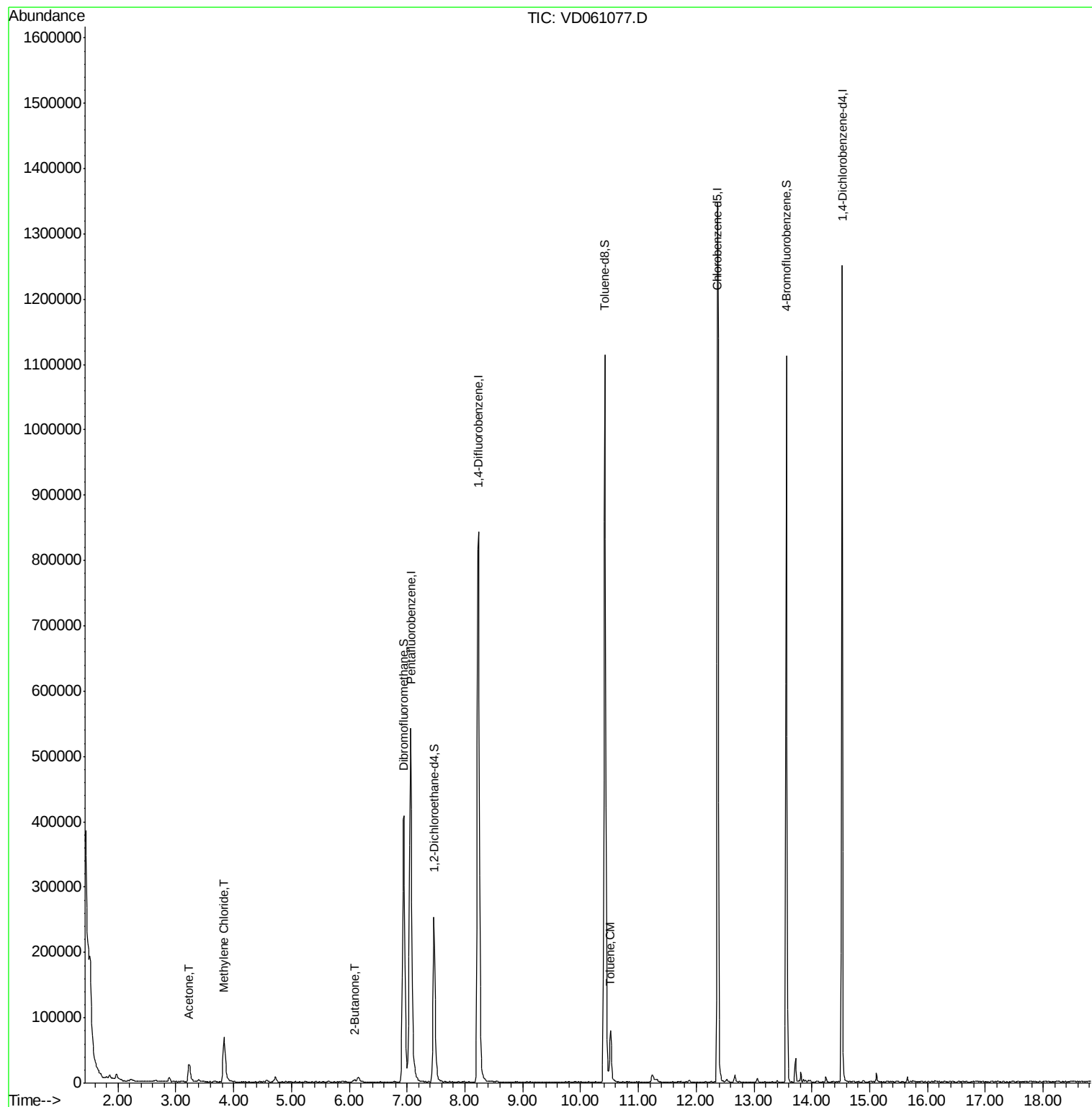
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	580792	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1067481	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	857260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	313232	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	234142	48.43	ug/l	0.02
Spiked Amount 50.000			Recovery	=	96.86%	
35) Dibromofluoromethane	6.94	113	408090	51.51	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.02%	
50) Toluene-d8	10.42	98	959846	48.25	ug/l	0.02
Spiked Amount 50.000			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	13.56	95	326259	42.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.54%	
Target Compounds						
16) Acetone	3.23	43	61296	44.339	ug/l	Qvalue 100
20) Methylene Chloride	3.83	84	54227	4.344	ug/l	97
25) 2-Butanone	6.08	43	8655	5.517	ug/l	95
52) Toluene	10.52	92	41486	2.902	ug/l	92

(#) = 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

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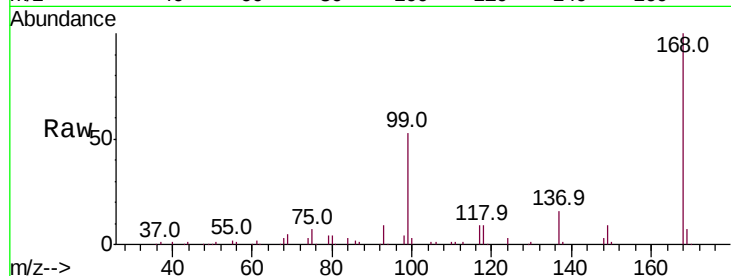
Instrument :
MSVOA_D
ClientSampleId :
93-94

Tot Ion:168 Resp: 580792

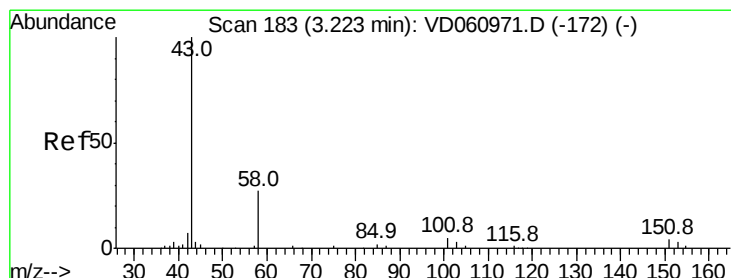
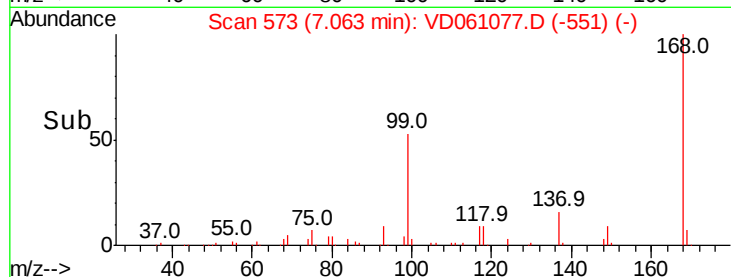
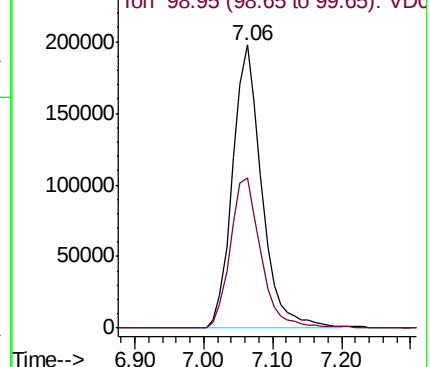
Ion Ratio Lower Upper

168 100

99 53.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 44.339 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061077.D

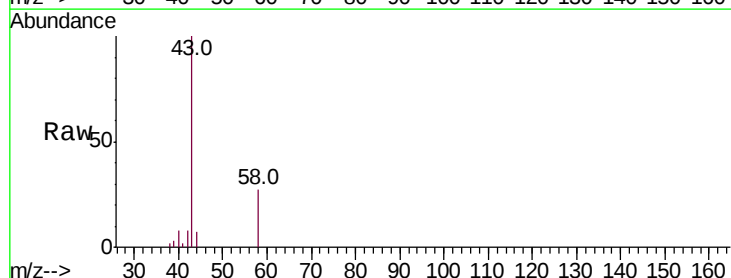
Acq: 14 Mar 2019 20:58

Tgt Ion: 43 Resp: 61296

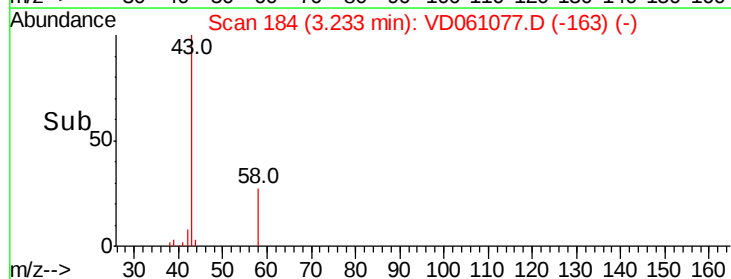
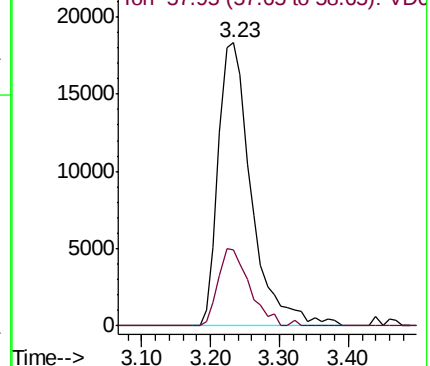
Ion Ratio Lower Upper

43 100

58 27.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

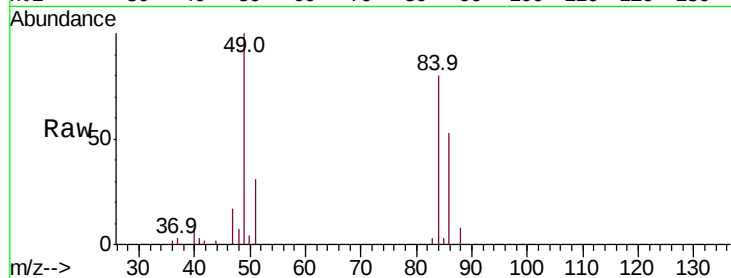




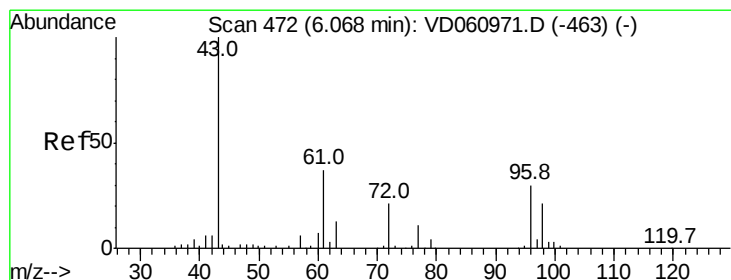
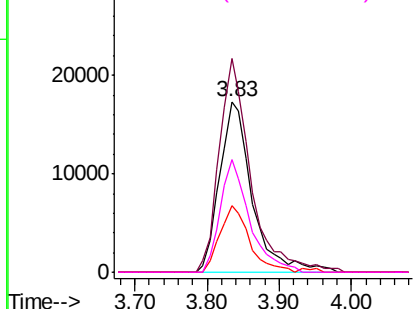
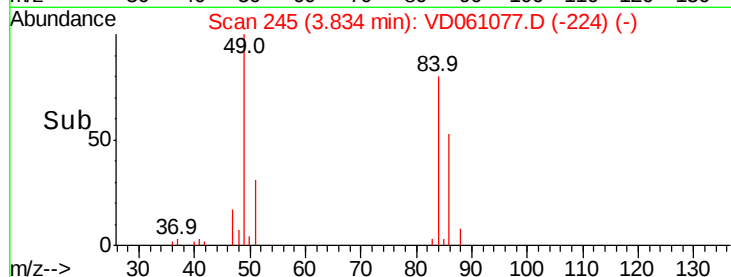
#20
Methvlene Chloride
Concen: 4.344 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061077.D
Acq: 14 Mar 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
93-94

Tot Ion: 84 Resp: 54227
Ion Ratio Lower Upper
84 100
49 125.1 104.2 156.2
51 38.9 32.3 48.5
86 65.8 52.3 78.5

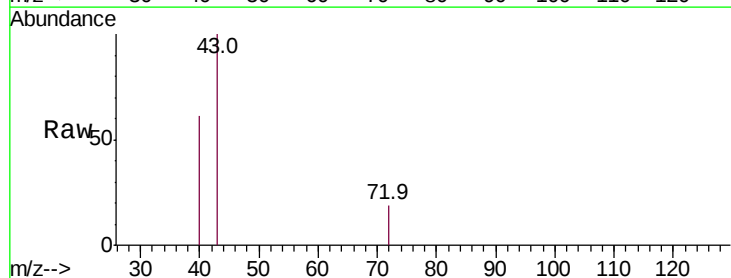


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

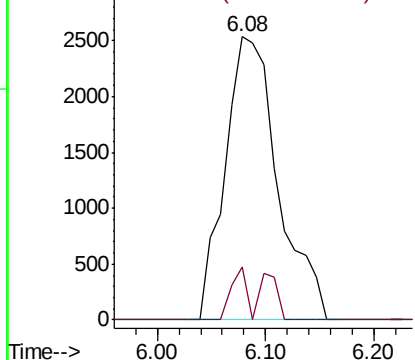
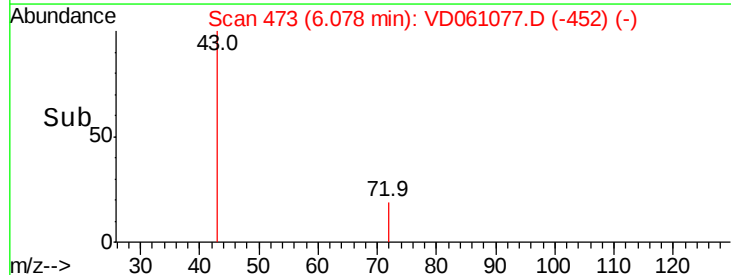


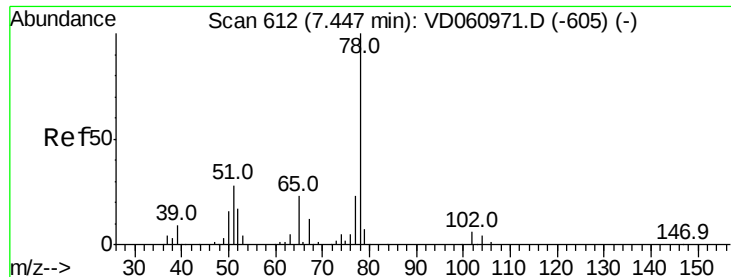
#25
2-Butanone
Concen: 5.517 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD061077.D
Acq: 14 Mar 2019 20:58

Tgt Ion: 43 Resp: 8655
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: VD061077.D

Acq: 14 Mar 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

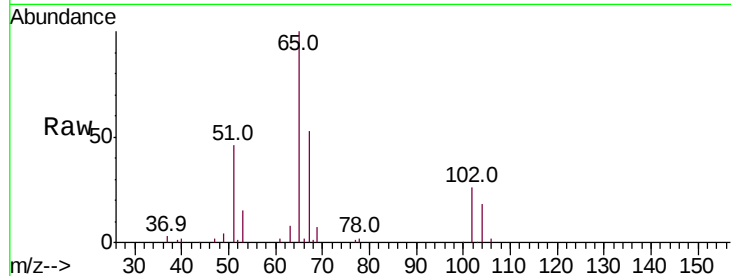
93-94

Tot Ion: 65 Resp: 234142

Ion Ratio Lower Upper

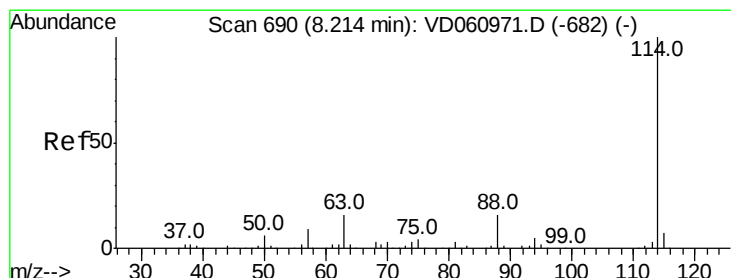
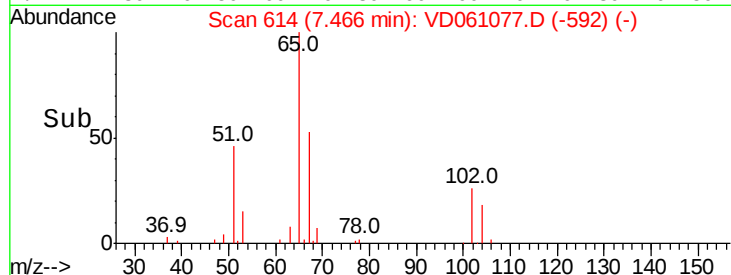
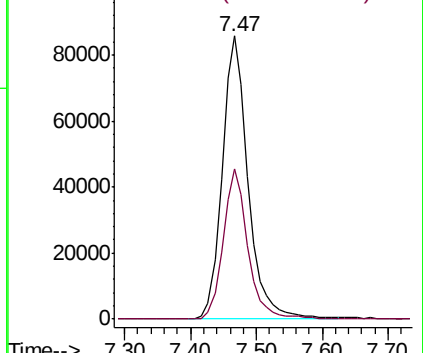
65 100

67 53.2 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: VD061077.D

Acq: 14 Mar 2019 20:58

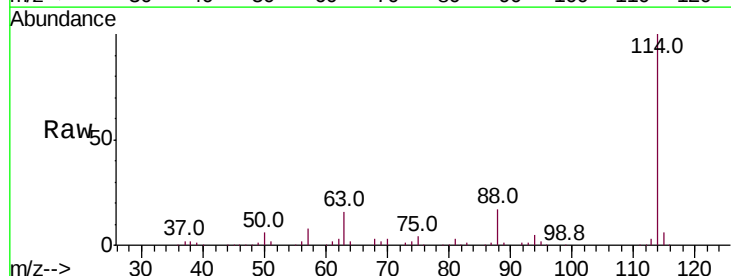
Tgt Ion: 114 Resp: 1067481

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.4

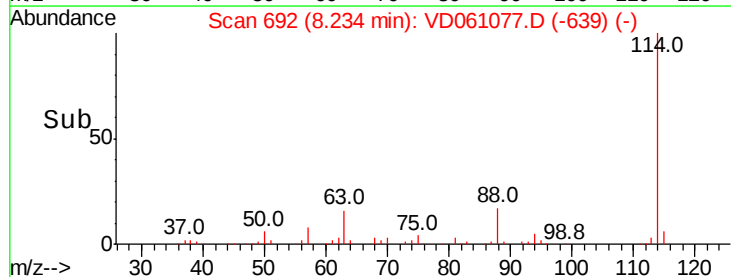
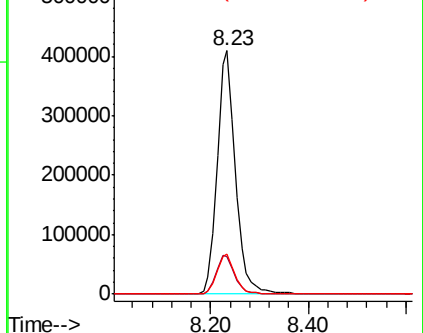
88 16.6 0.0 33.0

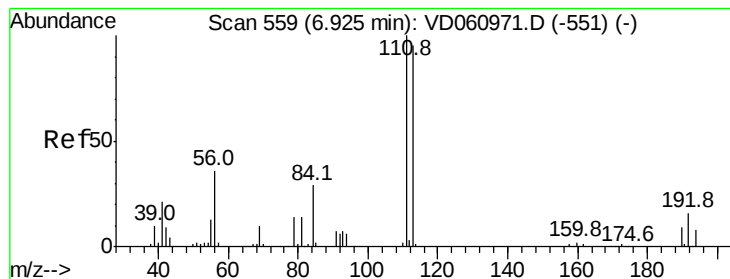


Abundance Ion 114.00 (113.70 to 114.70): V

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# 561

Delta R.T. 0.02 min

Lab File: VD061077.D

Acq: 14 Mar 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

93-94

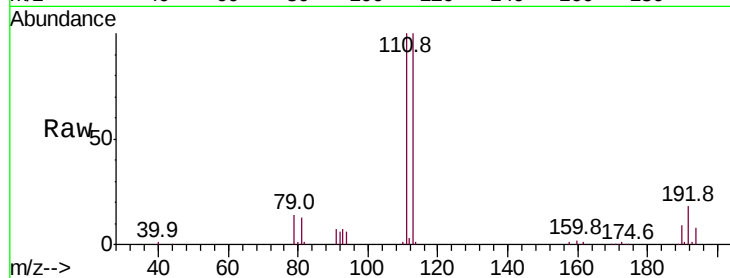
Tot Ion:113 Resp: 408090

Ion Ratio Lower Upper

113 100

111 100.2 84.2 126.4

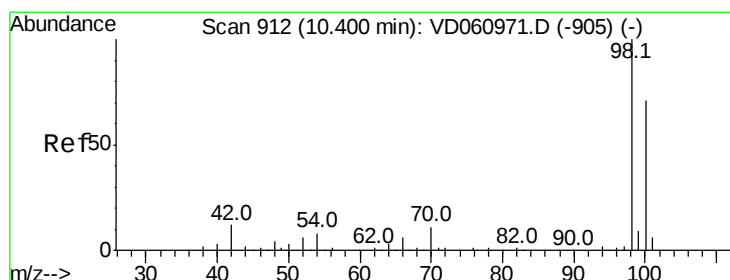
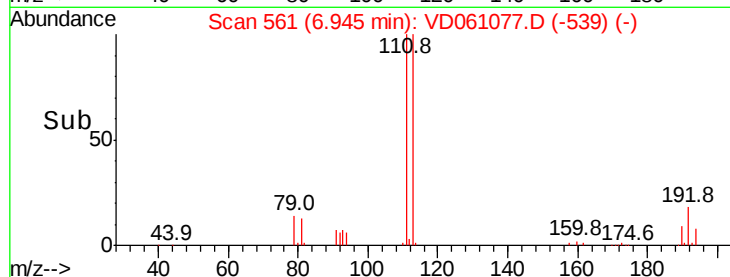
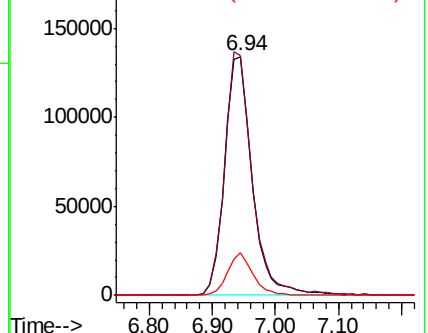
192 17.8 13.1 19.7



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: VD061077.D

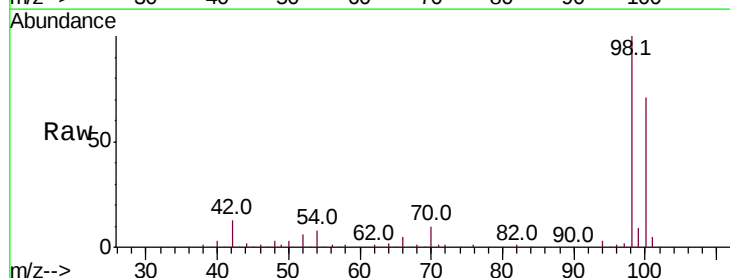
Acq: 14 Mar 2019 20:58

Tgt Ion: 98 Resp: 959846

Ion Ratio Lower Upper

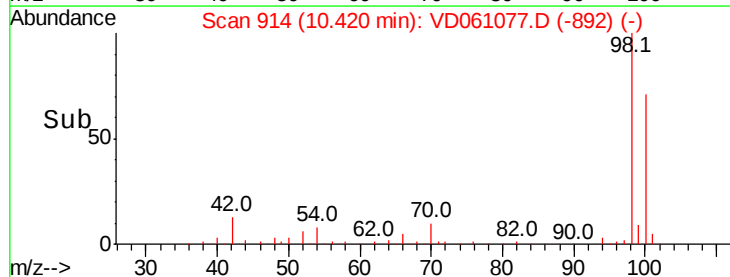
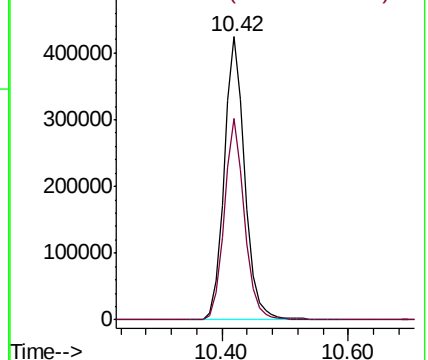
98 100

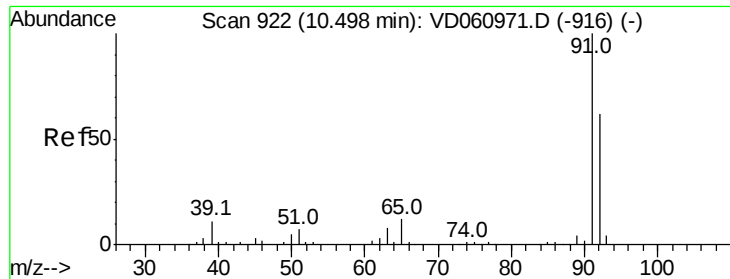
100 71.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 2.902 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061077.D

Acq: 14 Mar 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

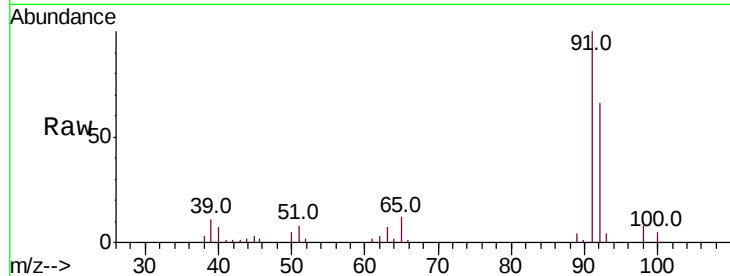
93-94

Tot Ion: 92 Resp: 41486

Ion Ratio Lower Upper

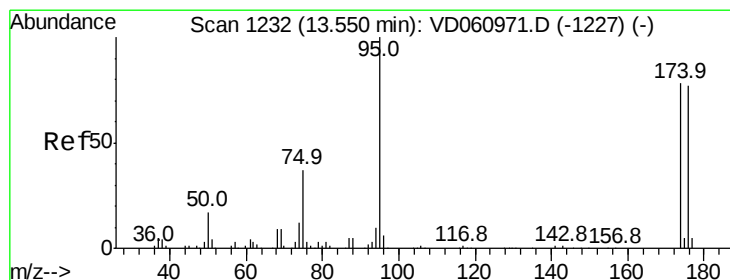
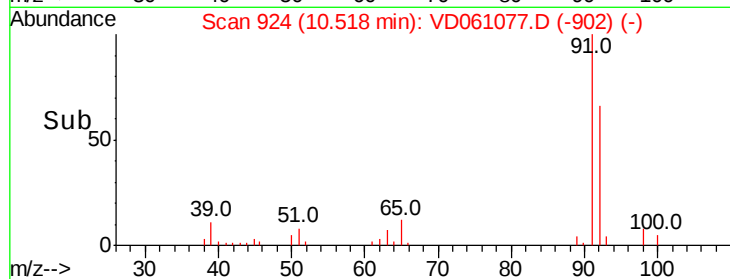
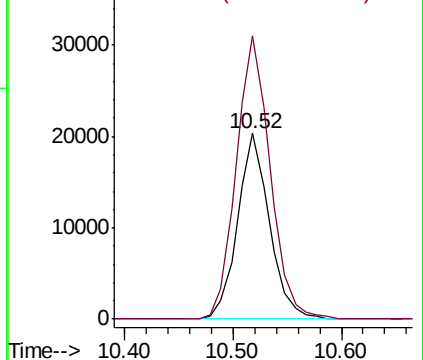
92 100

91 152.2 129.8 194.8



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: VD061077.D

Acq: 14 Mar 2019 20:58

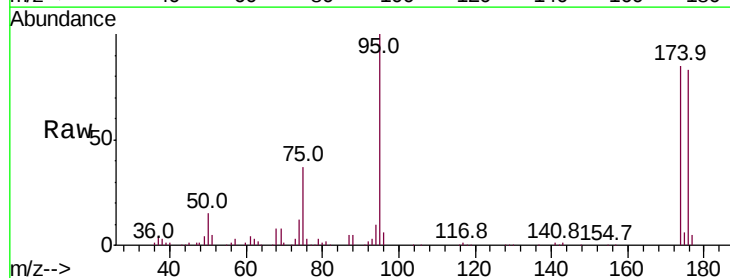
Tgt Ion: 95 Resp: 326259

Ion Ratio Lower Upper

95 100

174 84.8 0.0 155.6

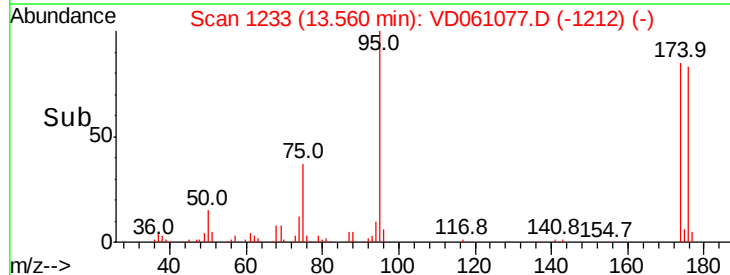
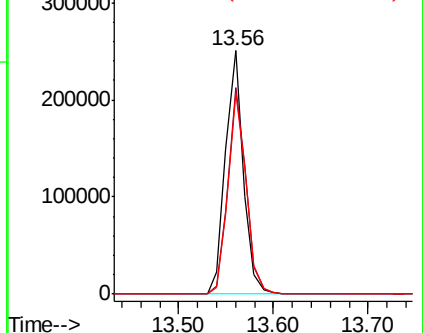
176 82.8 0.0 153.8

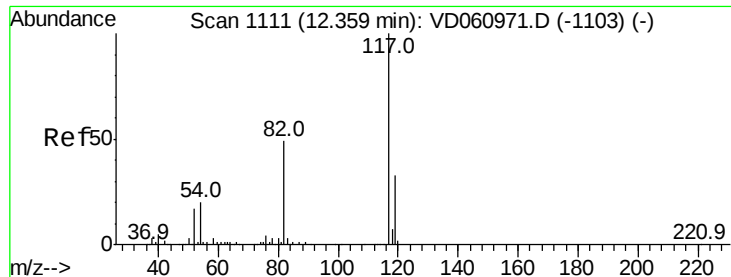


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

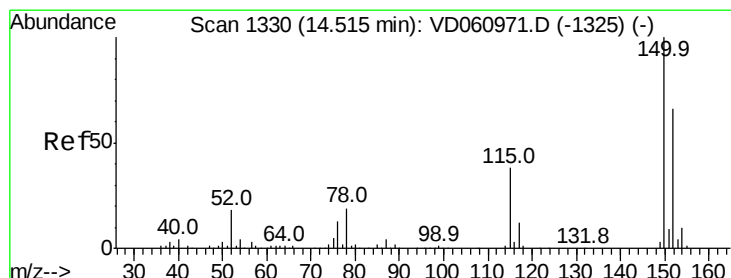
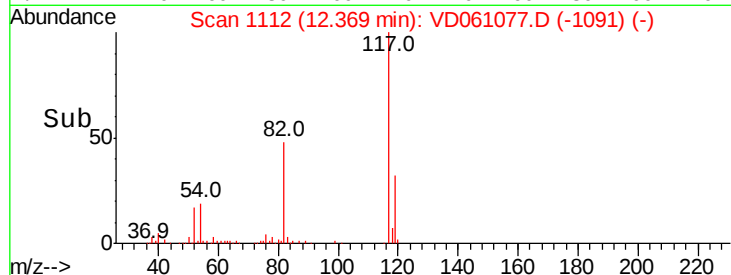
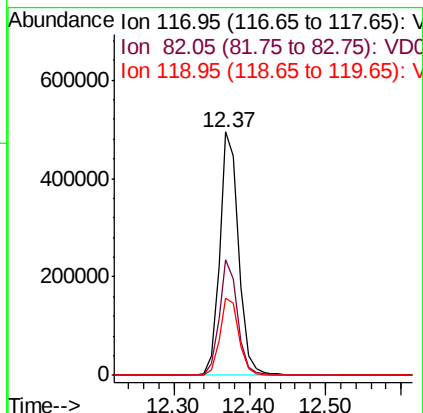
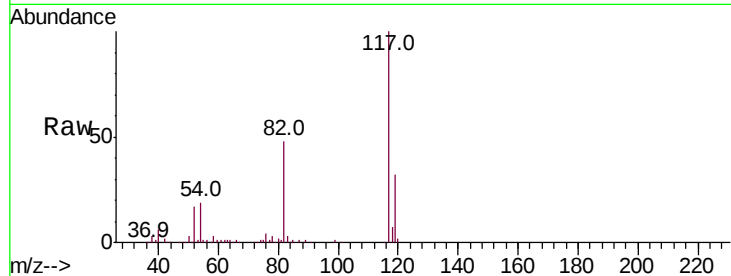




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061077.D
Acq: 14 Mar 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
93-94

Tot Ion:117 Resp: 857260
Ion Ratio Lower Upper
117 100
82 47.7 38.9 58.3
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061077.D
Acq: 14 Mar 2019 20:58

Tgt Ion:152 Resp: 313232
Ion Ratio Lower Upper
152 100
115 53.3 28.6 85.9
150 154.9 0.0 310.6

