

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061067.D
 Acq On : 14 Mar 2019 16:22
 Operator : VA/AP
 Sample : K1901-03
 Misc : 3.14g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(0.5-1.5)

Quant Time: Mar 15 02:12:47 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

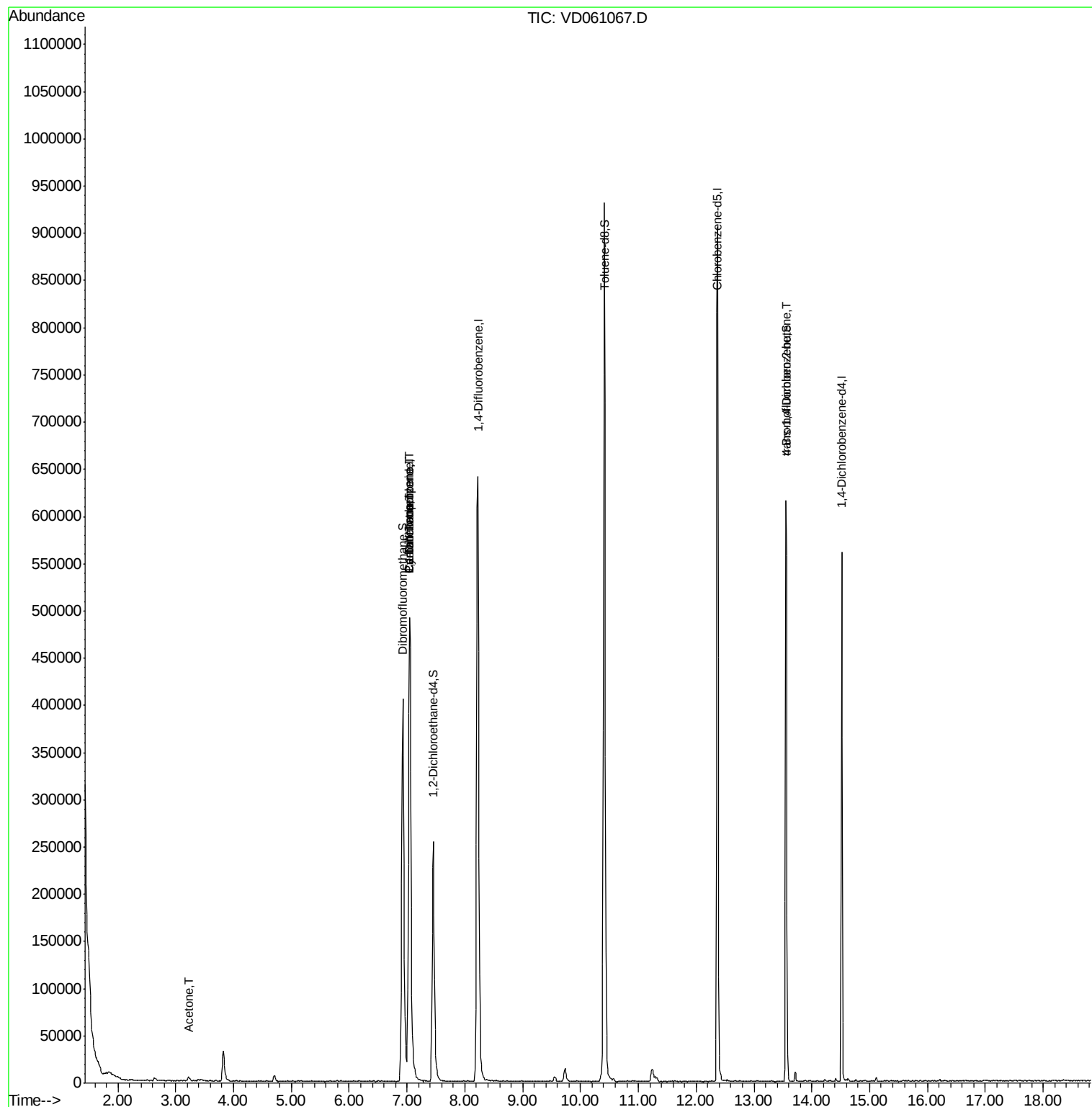
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	525146	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	879948	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	606034	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	131033	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	234923	53.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	6.93	113	393152	60.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.40%	
50) Toluene-d8	10.41	98	806849	49.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	13.55	95	213288	33.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.04%	
Target Compounds						
16) Acetone	3.22	43	7711	6.169	ug/l	91
20) Methylene Chloride	3.83	84	23598	Below Cal		90
31) Cyclohexane	7.04	56	8722	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	37333	4.922	ug/l #	44
38) Carbon Tetrachloride	7.04	117	48743	5.834	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	77389	139.244	ug/l #	17

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

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SB-3(0.5-1.5)

Quant Time: Mar 15 02:12:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061067.D

Acq: 14 Mar 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

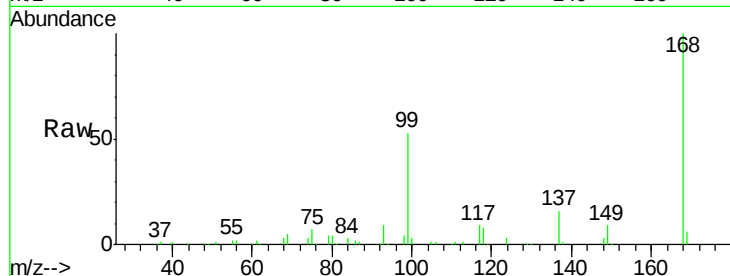
SB-3(0.5-1.5)

Tot Ion:168 Resp: 525146

Ion Ratio Lower Upper

168 100

99 52.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

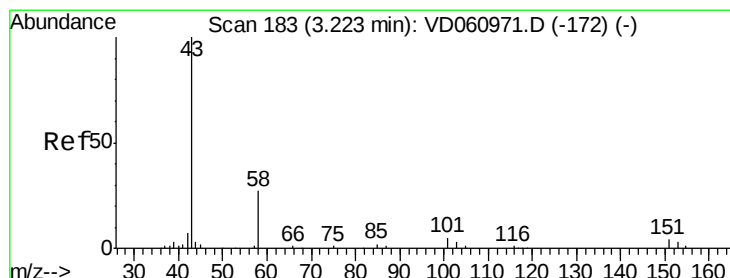
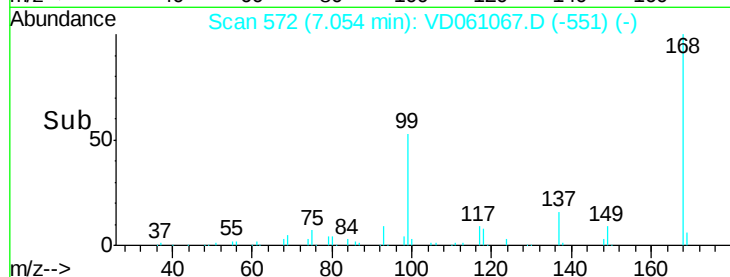
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 6.169 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061067.D

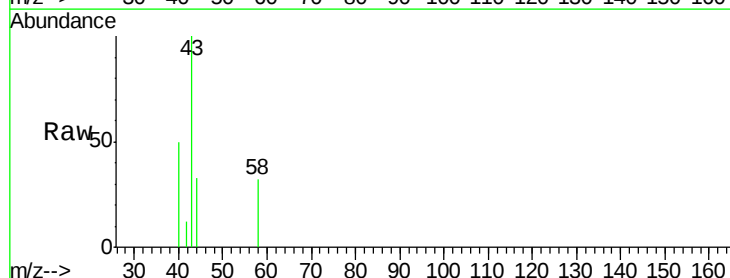
Acq: 14 Mar 2019 16:22

Tgt Ion: 43 Resp: 7711

Ion Ratio Lower Upper

43 100

58 31.5 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

3000

2500

2000

1500

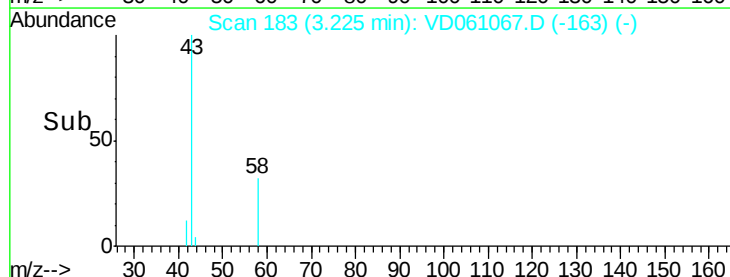
1000

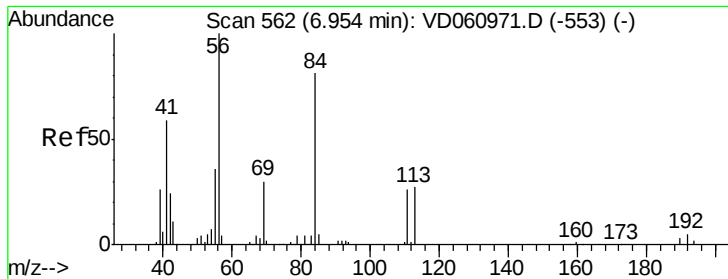
500

0

3.15 3.20 3.25 3.30

Time-->

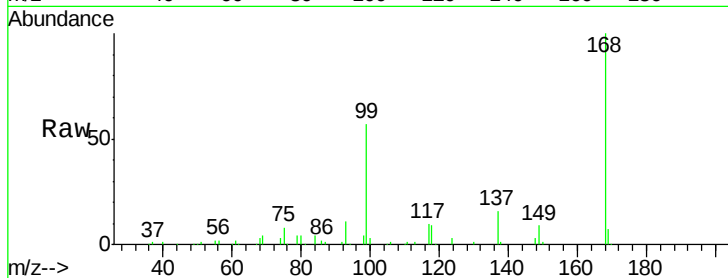




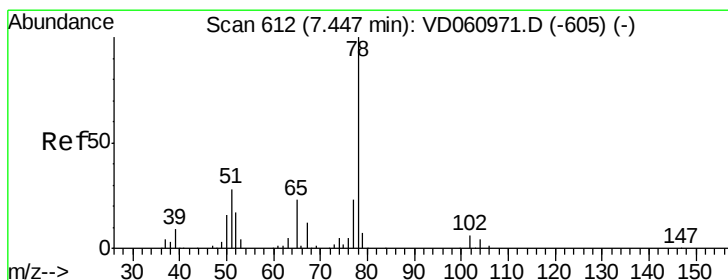
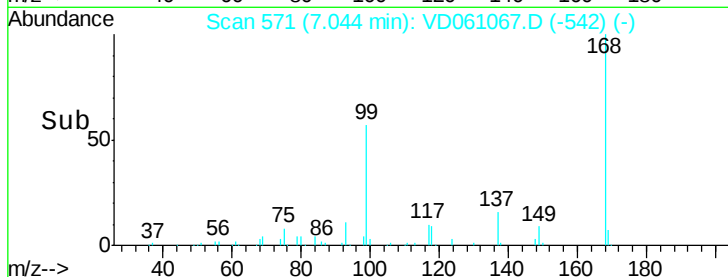
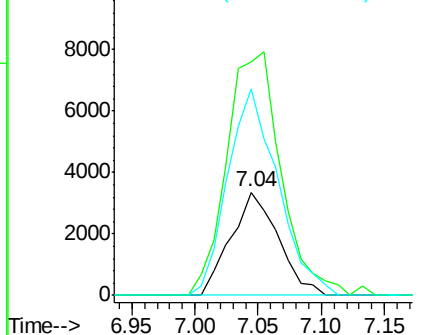
#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061067.D
Acq: 14 Mar 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
SB-3(0.5-1.5)

Tot Ion: 56 Resp: 8722
Ion Ratio Lower Upper
56 100
69 226.8 24.0 36.0#
84 200.9 65.8 98.6#

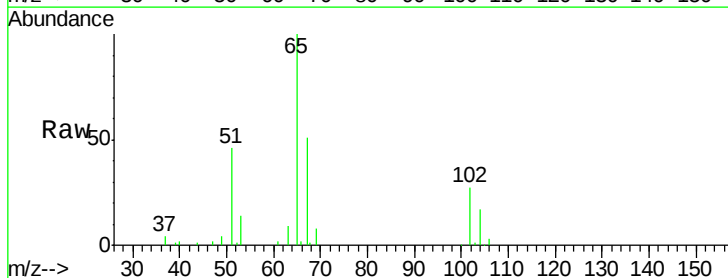


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

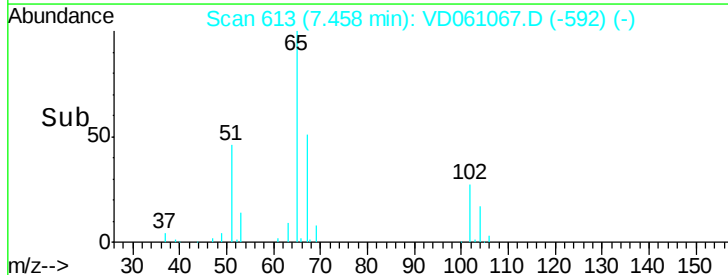
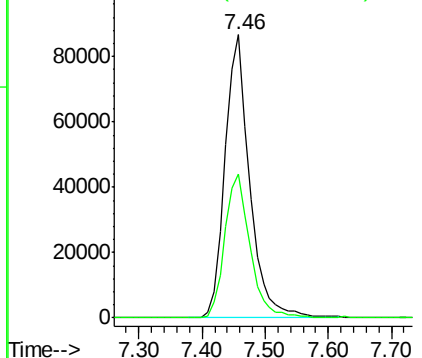


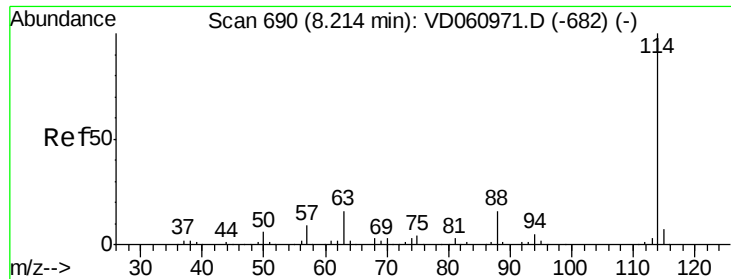
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061067.D
Acq: 14 Mar 2019 16:22

Tgt Ion: 65 Resp: 234923
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

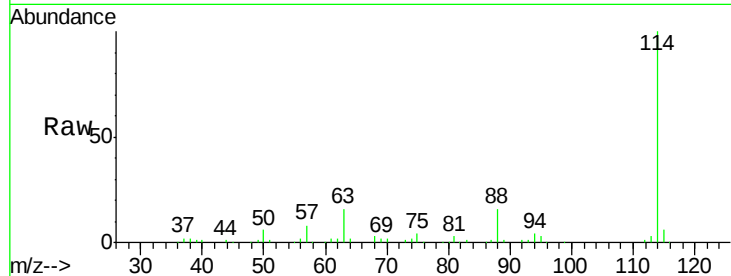




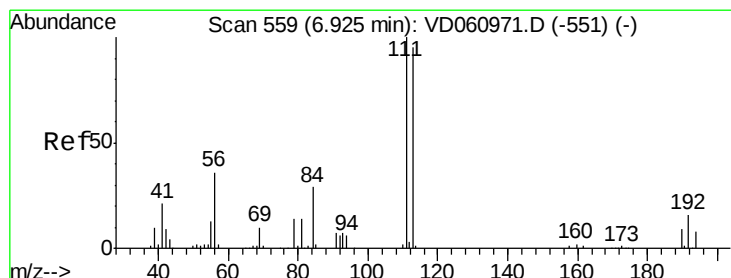
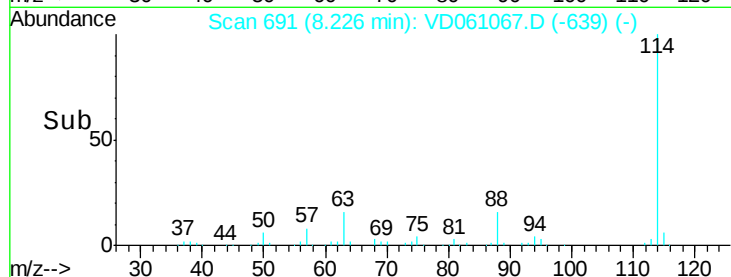
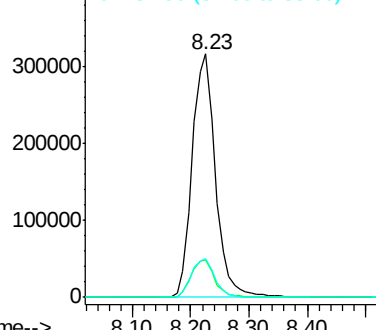
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061067.D
 Acq: 14 Mar 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(0.5-1.5)

Tot Ion:114 Resp: 879948
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.4
 88 16.0 0.0 33.0

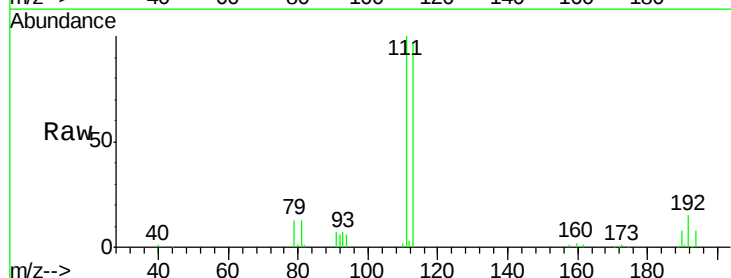


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

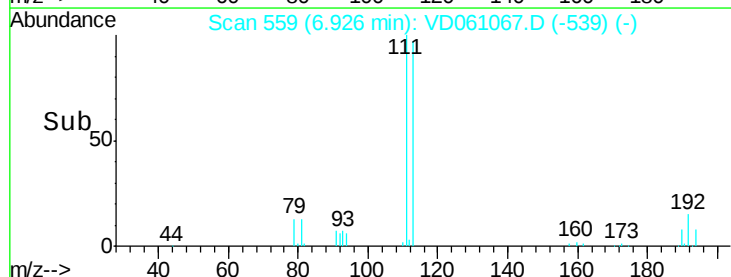
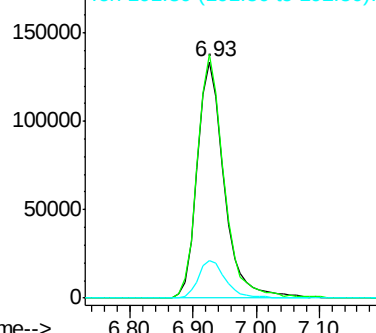


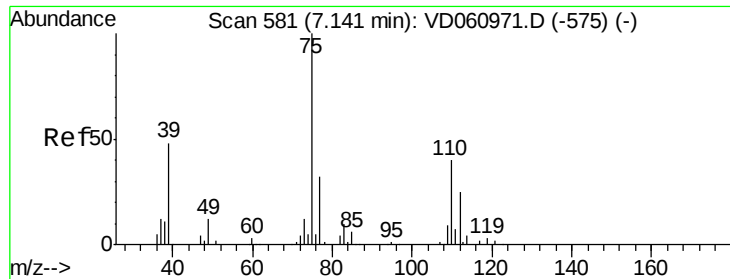
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061067.D
 Acq: 14 Mar 2019 16:22

Tgt Ion:113 Resp: 393152
 Ion Ratio Lower Upper
 113 100
 111 103.1 84.2 126.4
 192 15.8 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

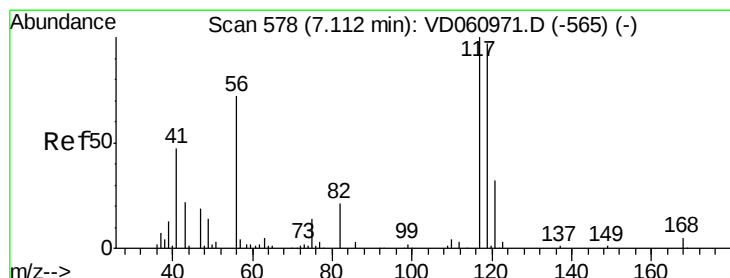
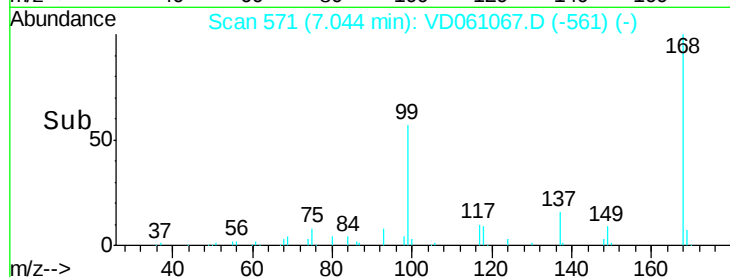
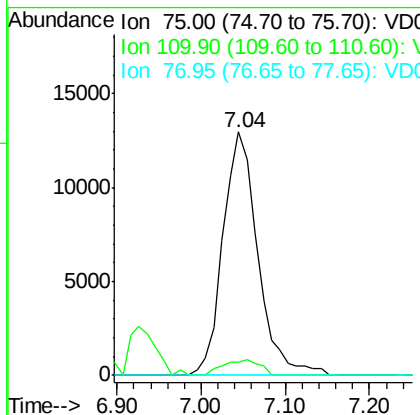
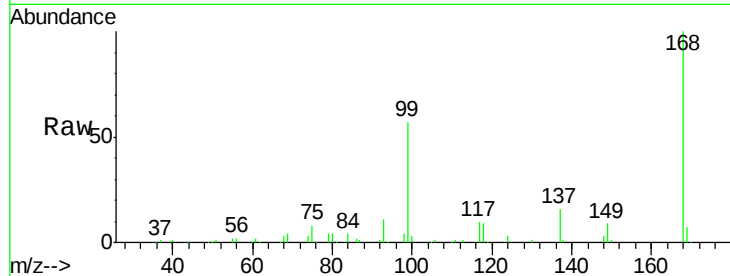




#36
 1,1-Dichloropropene
 Concen: 4.922 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061067.D
 Acq: 14 Mar 2019 16:22

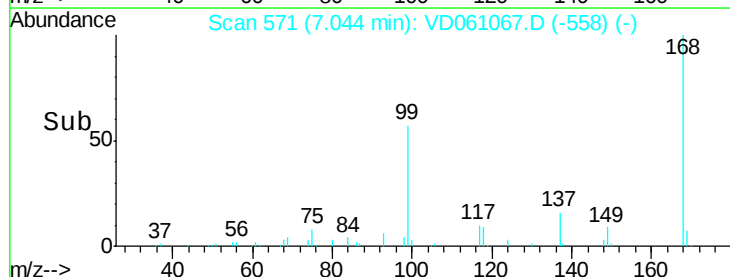
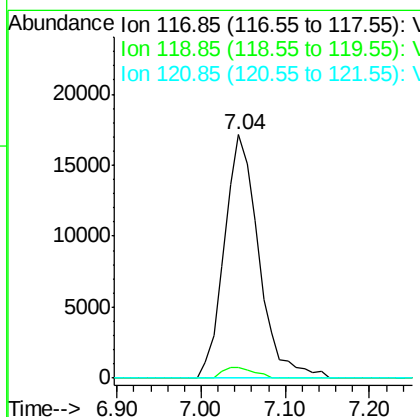
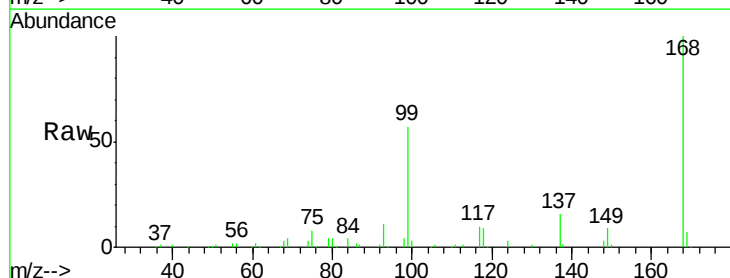
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(0.5-1.5)

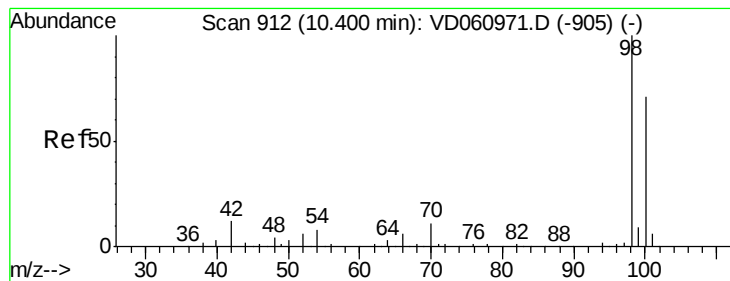
Tot Ion: 75 Resp: 37333
 Ion Ratio Lower Upper
 75 100
 110 5.5 19.7 59.1#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.834 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061067.D
 Acq: 14 Mar 2019 16:22

Tgt Ion: 117 Resp: 48743
 Ion Ratio Lower Upper
 117 100
 119 4.2 77.8 116.8#
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061067.D

Acq: 14 Mar 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

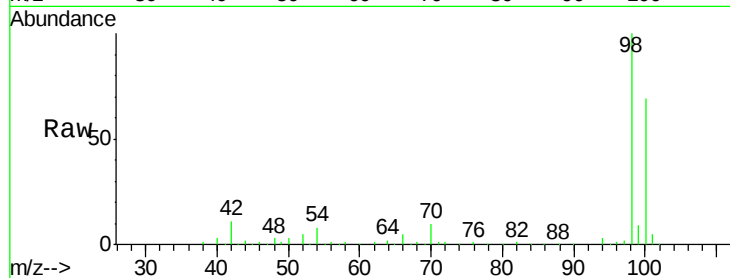
SB-3(0.5-1.5)

Tot Ion: 98 Resp: 806849

Ion Ratio Lower Upper

98 100

100 69.0 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.41

400000

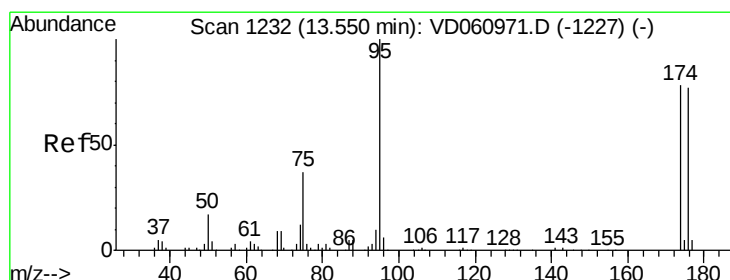
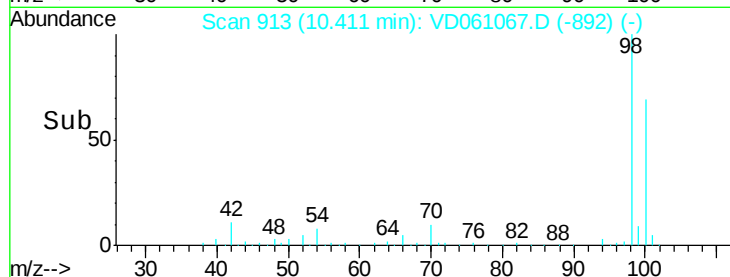
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061067.D

Acq: 14 Mar 2019 16:22

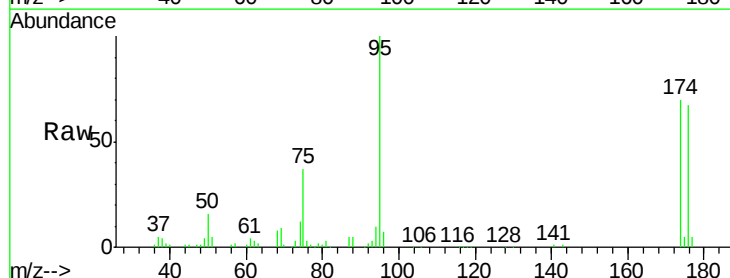
Tgt Ion: 95 Resp: 213288

Ion Ratio Lower Upper

95 100

174 69.9 0.0 155.6

176 66.8 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

200000

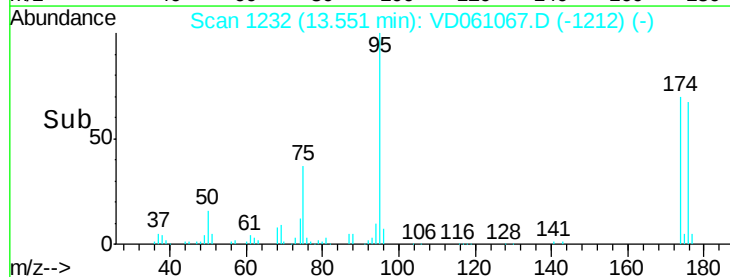
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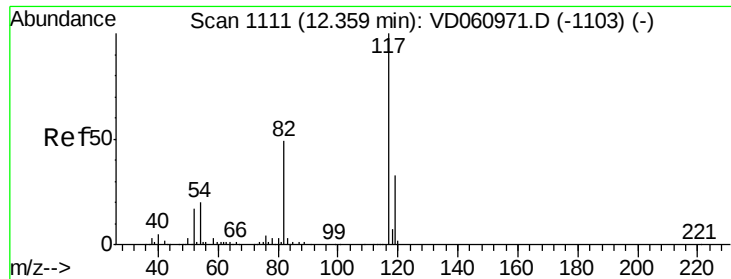
100000

50000

0

Time-->

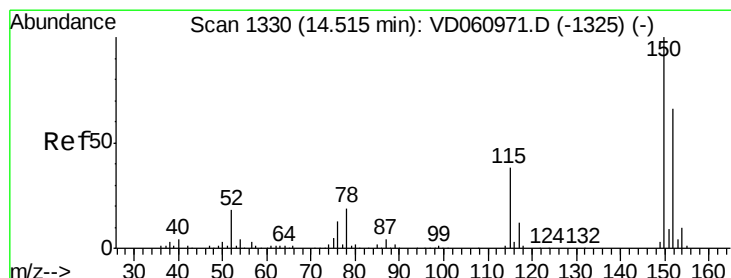
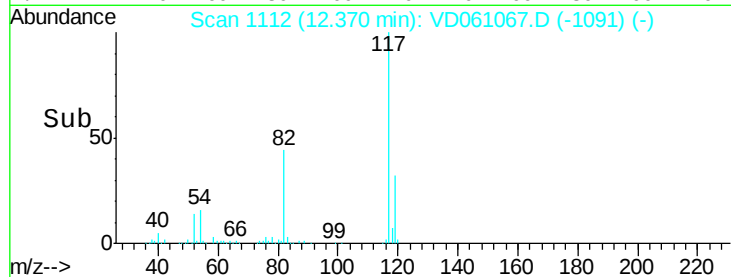
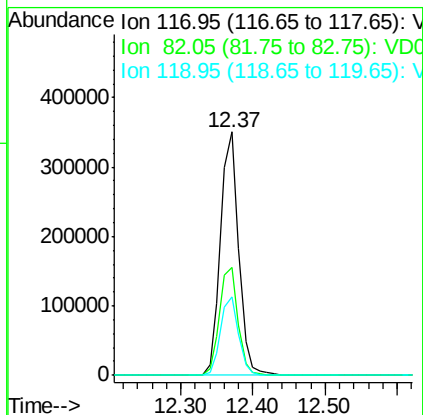
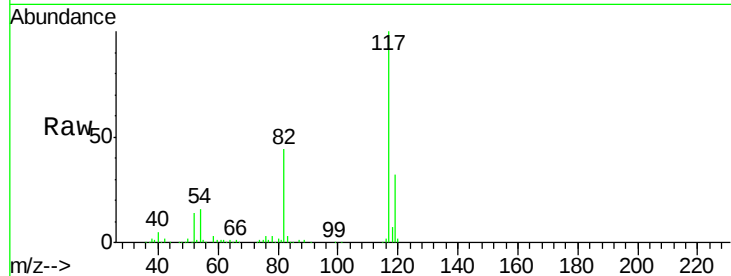




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061067.D
Acq: 14 Mar 2019 16:22

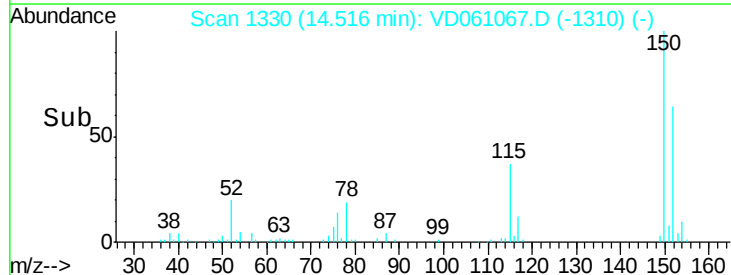
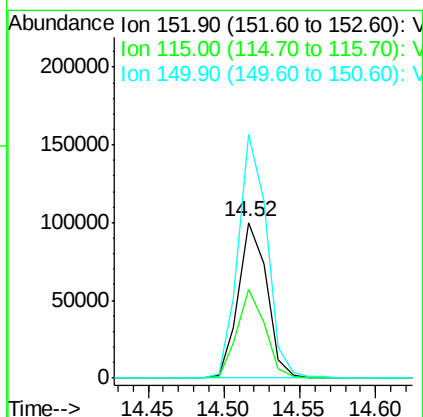
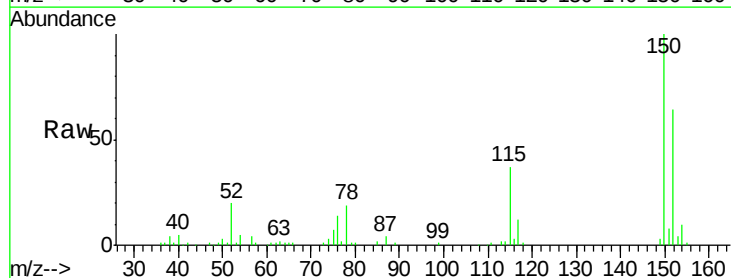
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SB-3(0.5-1.5)

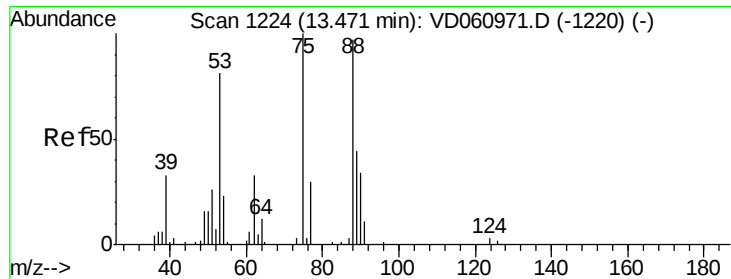
Tot Ion:117 Resp: 606034
Ion Ratio Lower Upper
117 100
82 44.2 38.9 58.3
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061067.D
Acq: 14 Mar 2019 16:22

Tgt Ion:152 Resp: 131033
Ion Ratio Lower Upper
152 100
115 57.5 28.6 85.9
150 156.8 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 139.244 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061067.D

Acq: 14 Mar 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

SB-3(0.5-1.5)

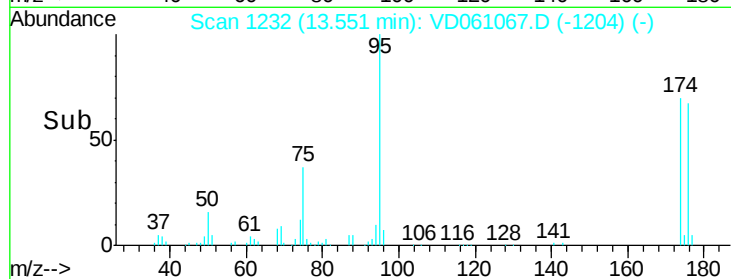
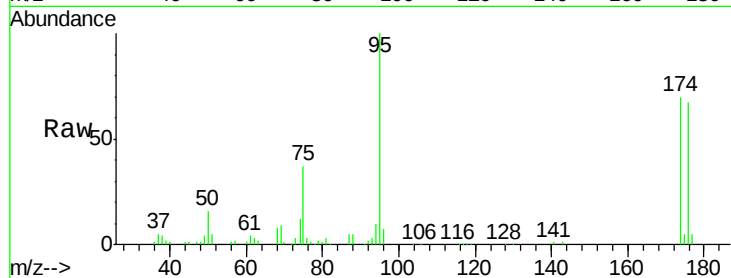
Tot Ion: 75 Resp: 77389

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

