

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061243.D
 Acq On : 21 Mar 2019 14:31
 Operator : VA/AP
 Sample : K2004-09
 Misc : 5.43g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-22(7-8)

Quant Time: Mar 22 11:25:04 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

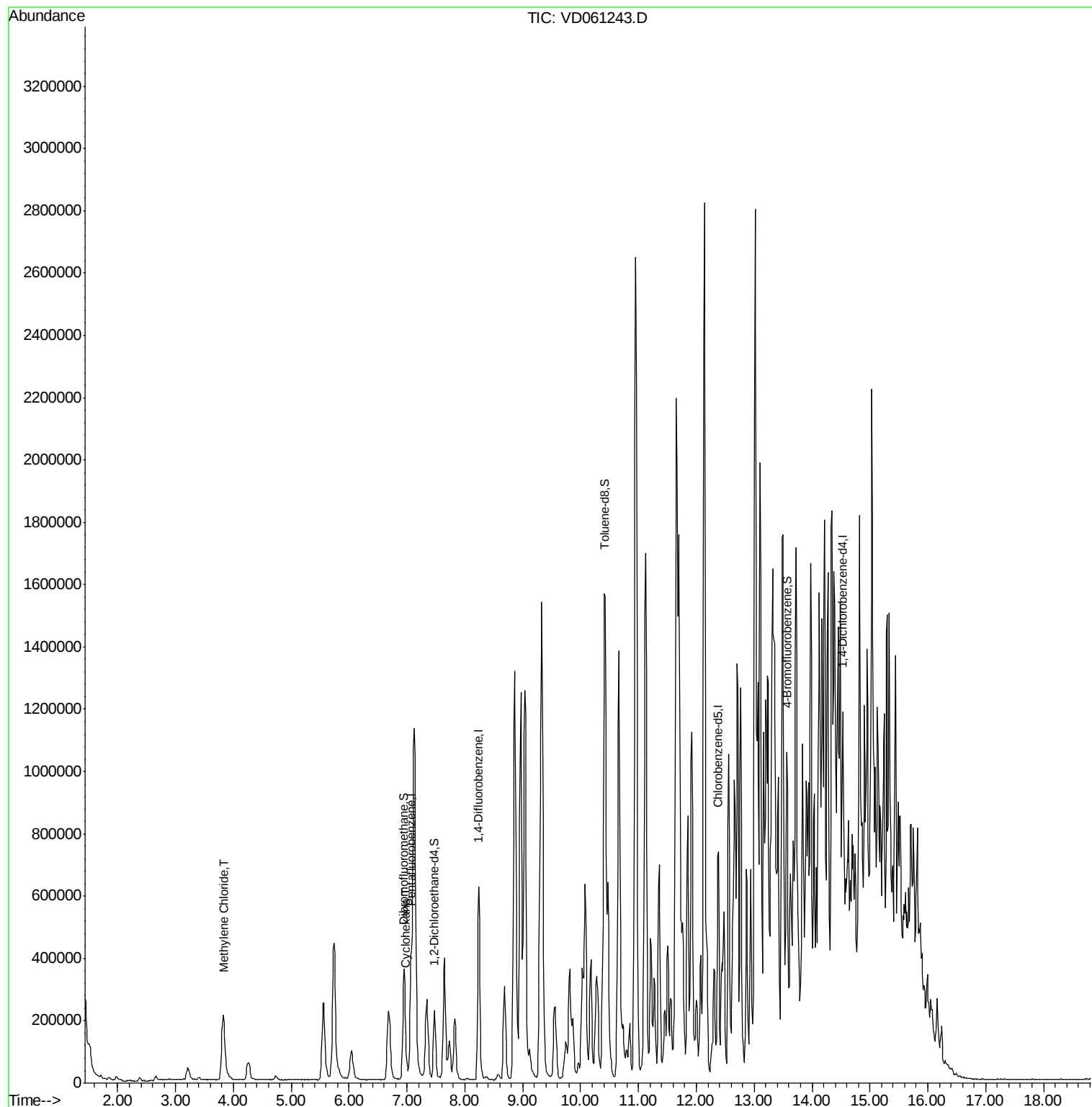
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	393533	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	769424	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	395352	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	85343	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	210804	64.35	ug/l	0.02
Spiked Amount 50.000			Recovery	=	128.70%	
35) Dibromofluoromethane	6.95	113	337535	59.11	ug/l	0.02
Spiked Amount 50.000			Recovery	=	118.22%	
50) Toluene-d8	10.42	98	660695	46.08	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	13.56	95	217810	39.15	ug/l	0.01
Spiked Amount 50.000			Recovery	=	78.30%	
Target Compounds						
20) Methylene Chloride	3.84	84	55452	9.175	ug/l	92
31) Cyclohexane	6.98	56	26755	4.616	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

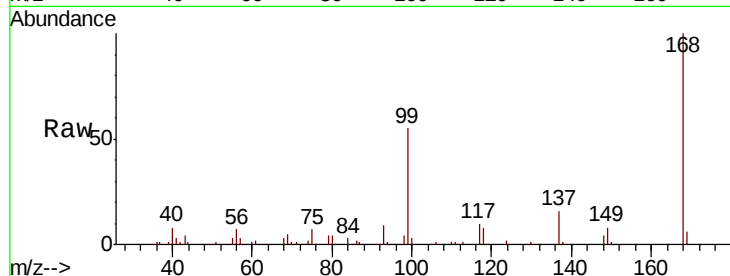
SB-22(7-8)

Tot Ion:168 Resp: 393533

Ion Ratio Lower Upper

168 100

99 54.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

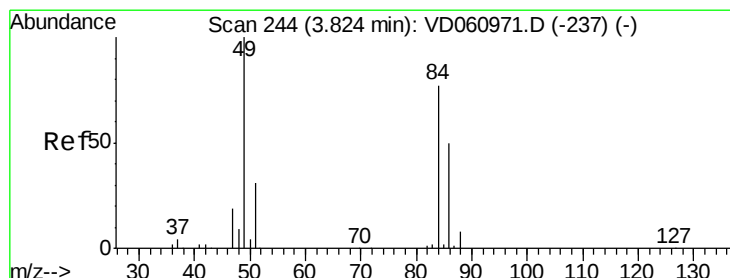
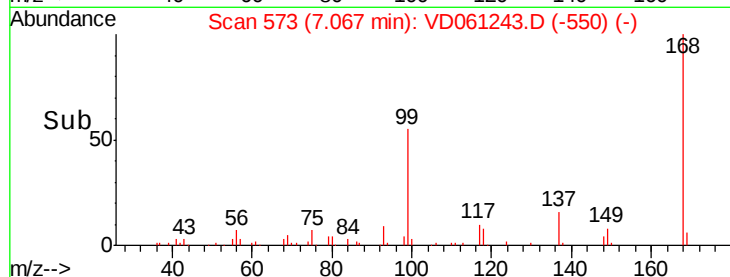
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 9.175 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.01 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Tgt Ion: 84 Resp: 55452

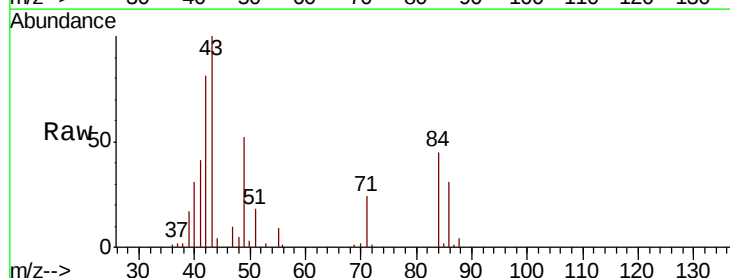
Ion Ratio Lower Upper

84 100

49 117.3 104.2 156.2

51 39.4 32.3 48.5

86 69.2 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

25000

20000

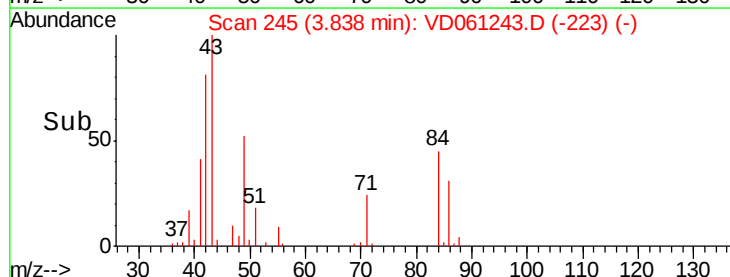
15000

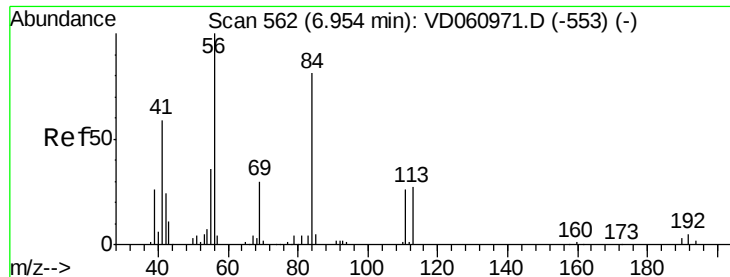
10000

5000

0

Time--> 3.70 3.80 3.90 4.00

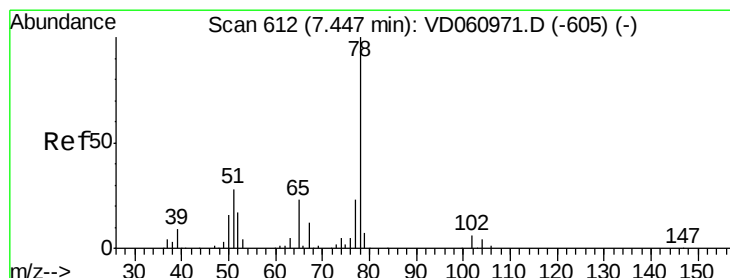
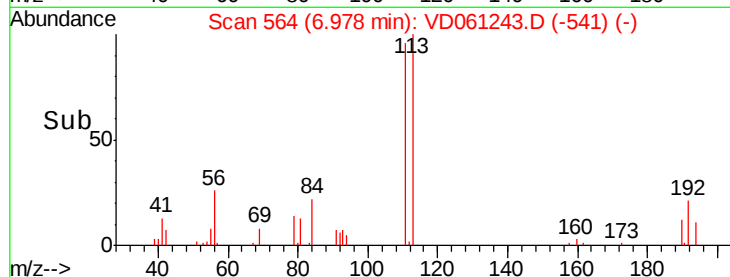
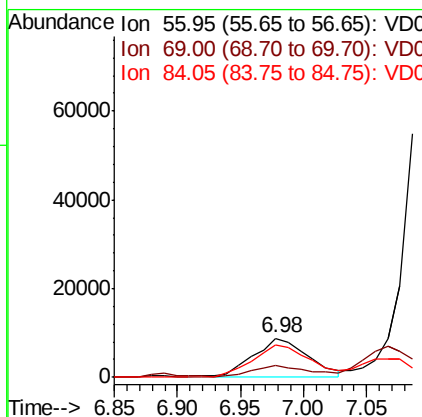
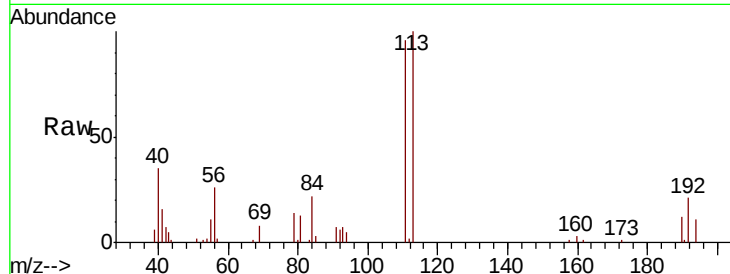




#31
Cyclohexane
Concen: 4.616 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

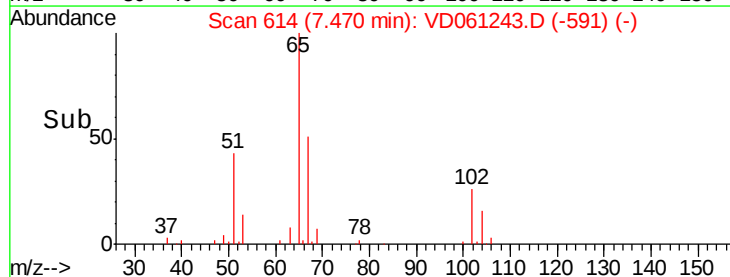
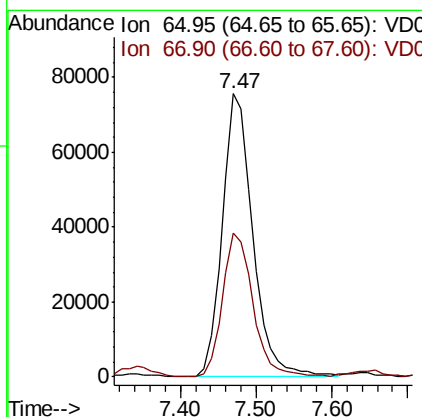
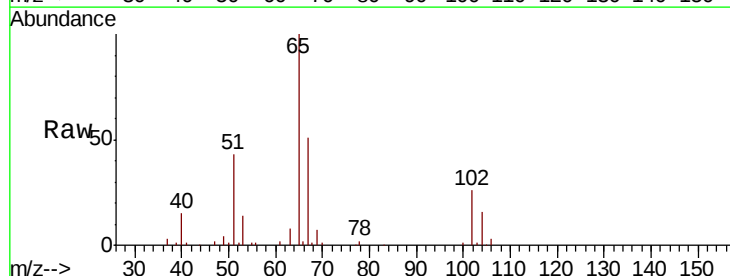
Instrument :
MSVOA_D
ClientSampleId :
SB-22(7-8)

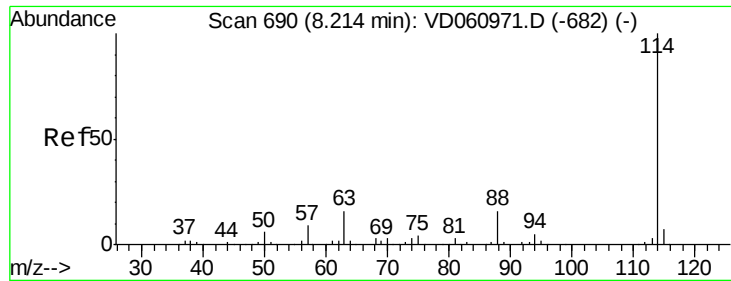
Tot Ion	56	Resp	26755
Ion Ratio	Lower	Upper	
56	100		
69	28.9	24.0	36.0
84	82.8	65.8	98.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

Tgt Ion	65	Resp	210804
Ion Ratio	Lower	Upper	
65	100		
67	50.7	0.0	105.2

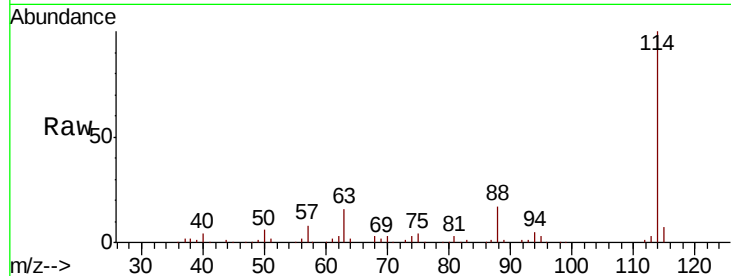




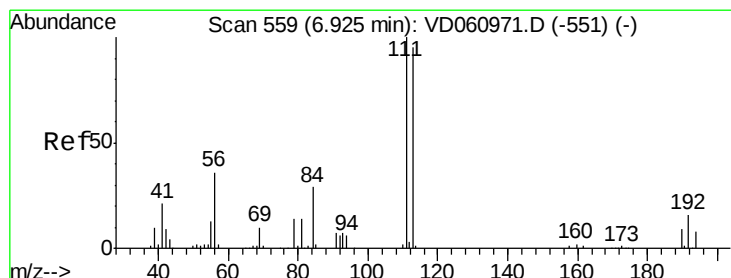
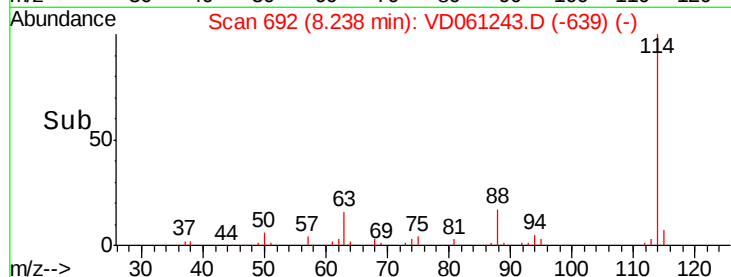
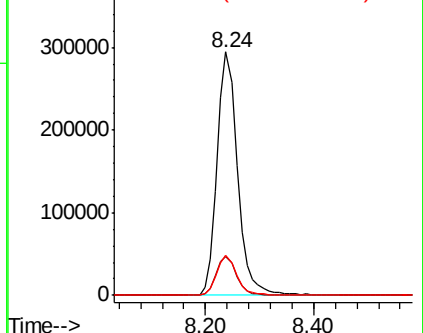
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061243.D
 Acq: 21 Mar 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-22(7-8)

Tot Ion:114 Resp: 769424
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.4
 88 16.6 0.0 33.0

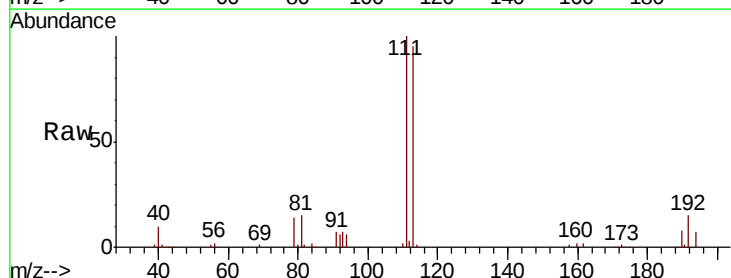


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

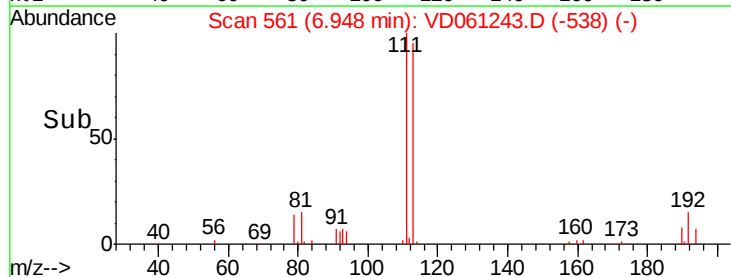
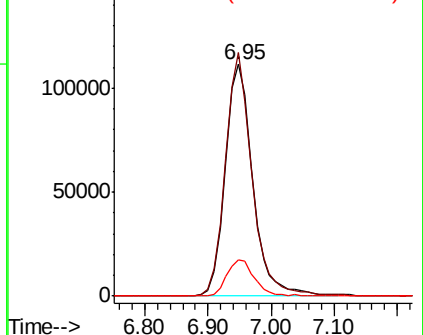


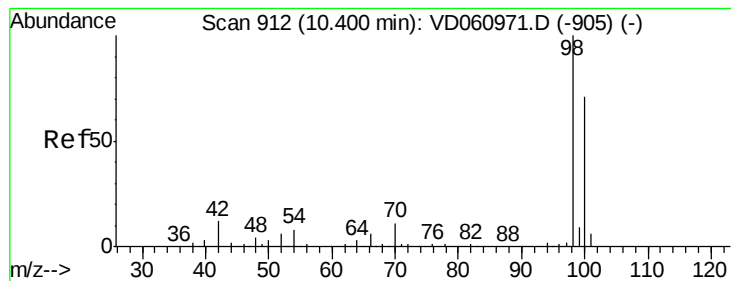
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061243.D
 Acq: 21 Mar 2019 14:31

Tgt Ion:113 Resp: 337535
 Ion Ratio Lower Upper
 113 100
 111 105.0 84.2 126.4
 192 15.9 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: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

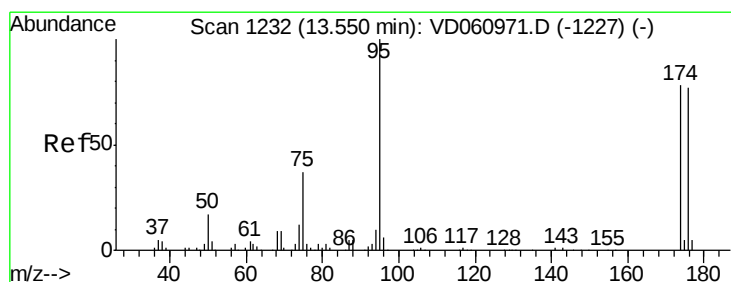
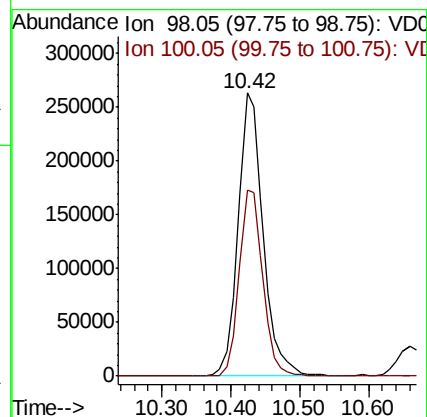
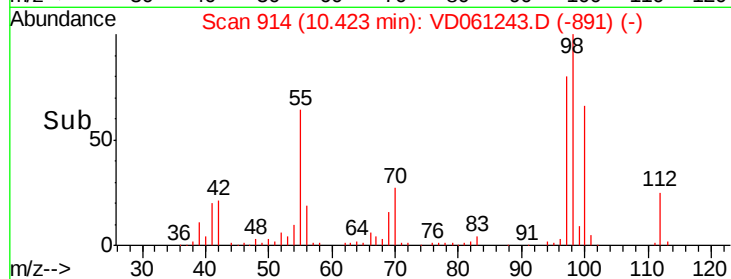
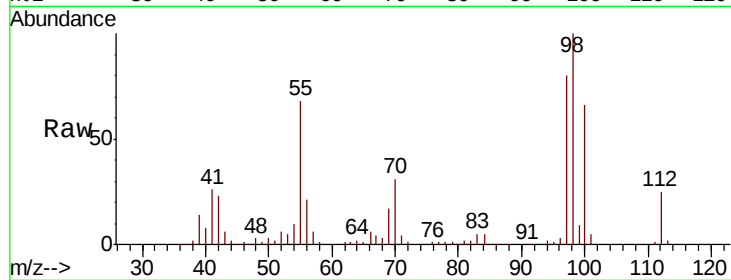
SB-22(7-8)

Tot Ion: 98 Resp: 660695

Ion Ratio Lower Upper

98 100

100 66.0 57.4 86.2



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

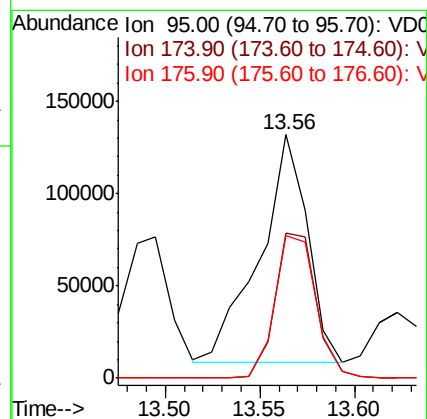
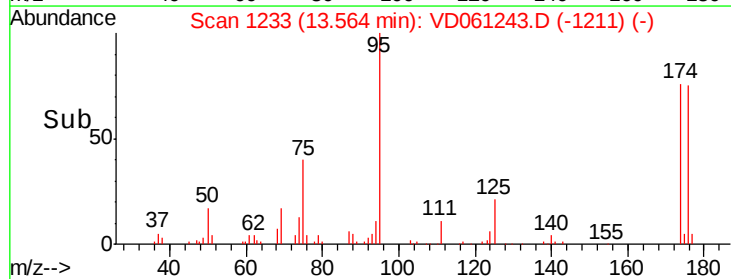
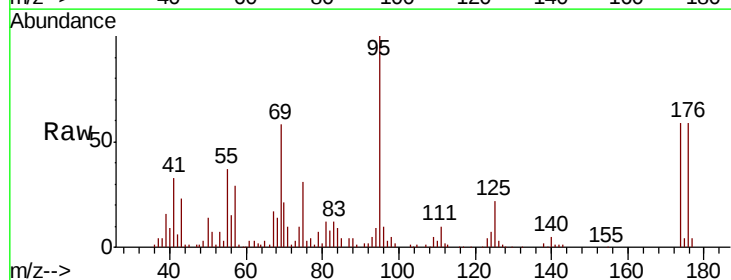
Tgt Ion: 95 Resp: 217810

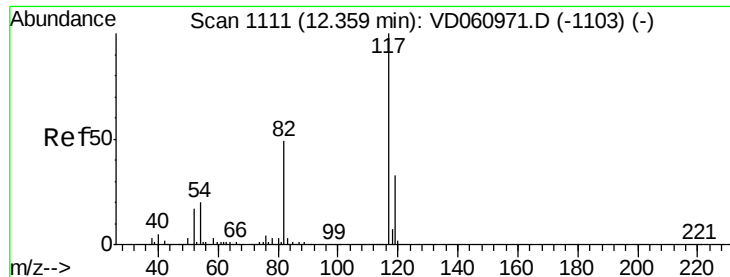
Ion Ratio Lower Upper

95 100

174 59.4 0.0 155.6

176 58.6 0.0 153.8

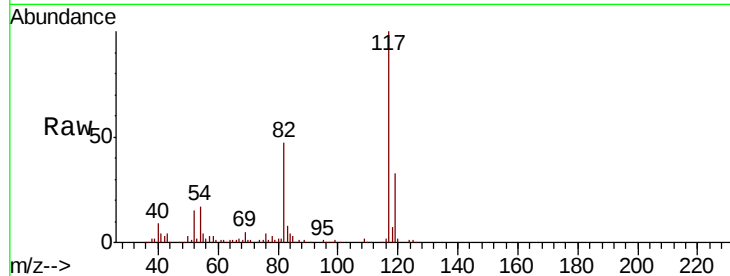




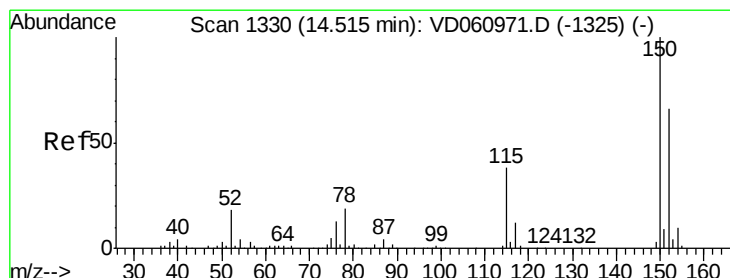
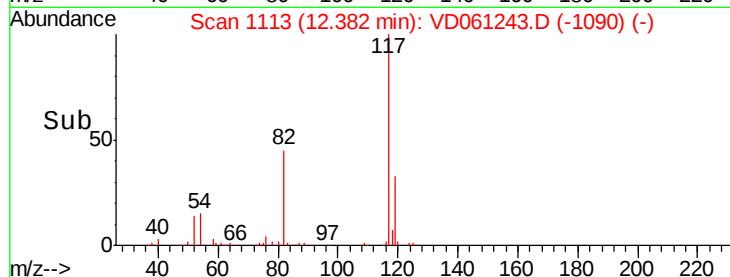
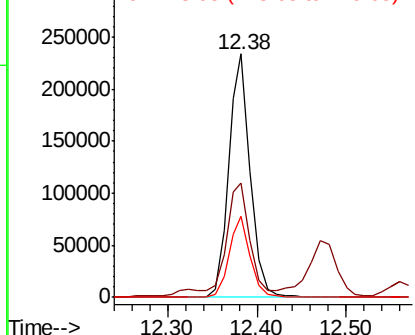
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
SB-22(7-8)

Tot Ion:117 Resp: 395352
Ion Ratio Lower Upper
117 100
82 46.8 38.9 58.3
119 33.3 26.6 39.8

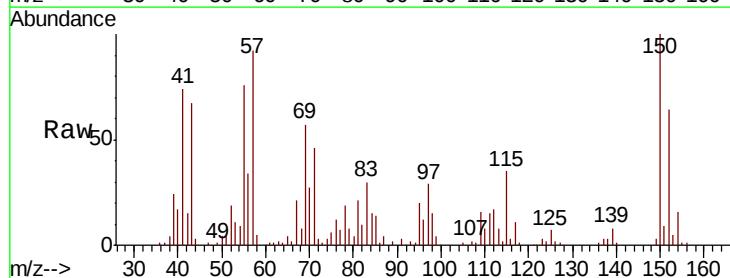


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

Tgt Ion:152 Resp: 85343
Ion Ratio Lower Upper
152 100
115 55.1 28.6 85.9
150 155.9 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

