

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031619\
 Data File : VD061129.D
 Acq On : 17 Mar 2019 2:11
 Operator : VA/AP
 Sample : K1956-01
 Misc : 5.12g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 18 05:28:22 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	7.04	168	36947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	88701	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	91137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	45891	50.00	ug/l	0.00

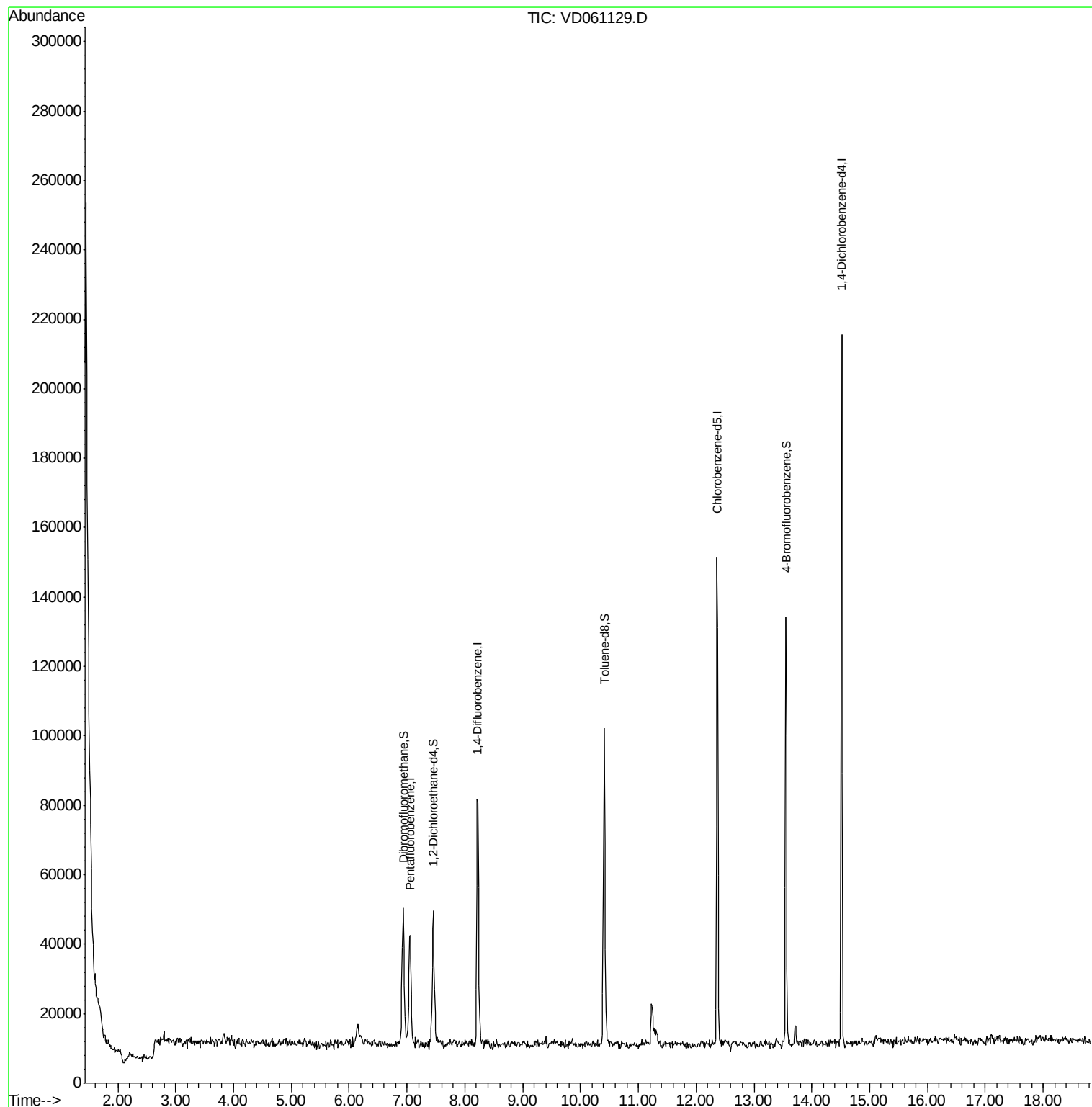
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	36614	119.06	ug/l	0.01
Spiked Amount 50.000			Recovery	=	238.12%	
35) Dibromofluoromethane	6.94	113	39485	59.98	ug/l	0.01
Spiked Amount 50.000			Recovery	=	119.96%	
50) Toluene-d8	10.41	98	80368	48.62	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	13.55	95	38823	60.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.06%	

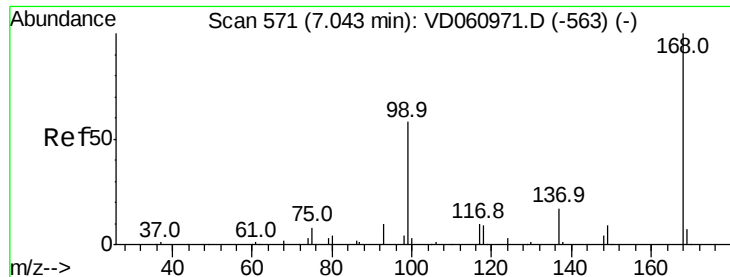
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061129.D

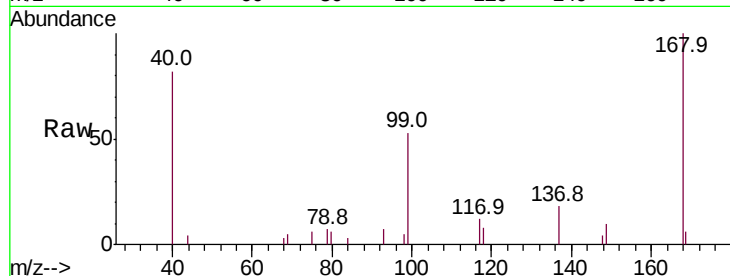
Acq: 17 Mar 2019 2:11

Tot Ion:168 Resp: 36947

Ion Ratio Lower Upper

168 100

99 53.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

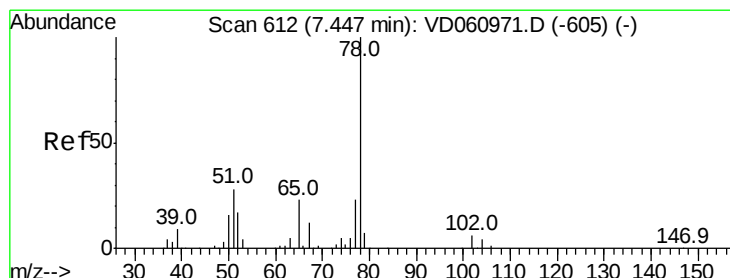
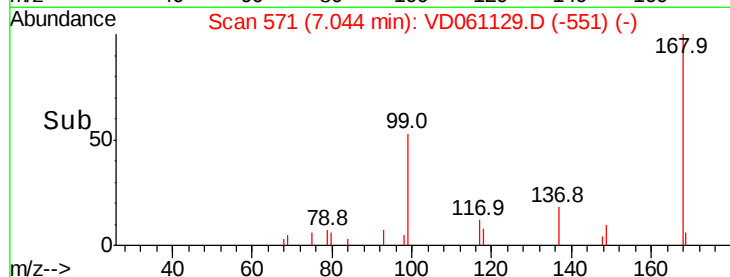
7.04

10000

5000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061129.D

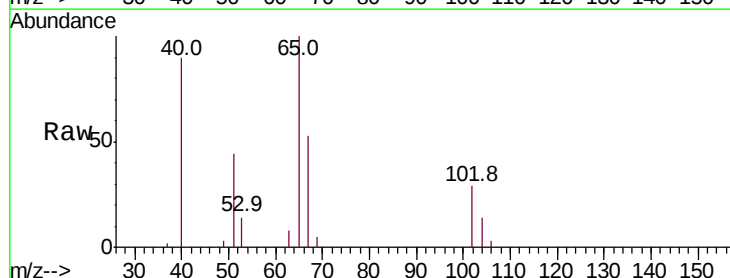
Acq: 17 Mar 2019 2:11

Tgt Ion: 65 Resp: 36614

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

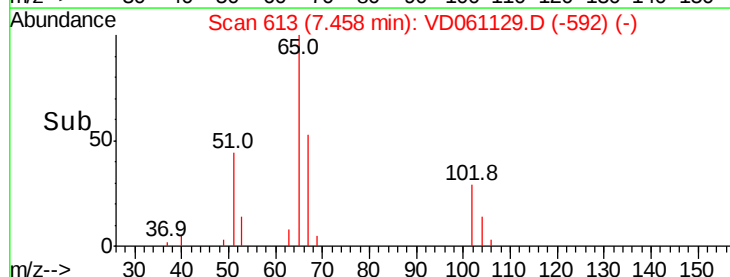
15000

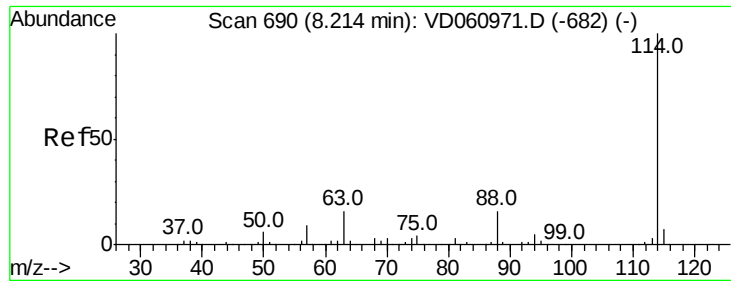
10000

5000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061129.D

Acq: 17 Mar 2019 2:11

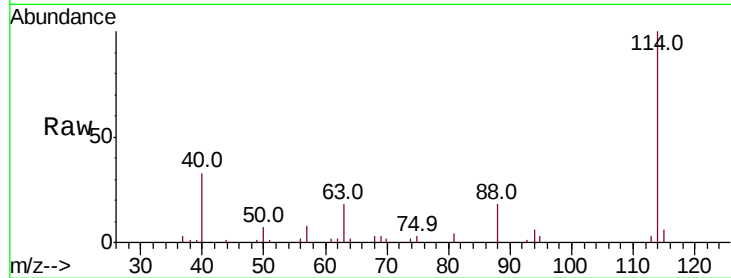
Tot Ion:114 Resp: 88701

Ion Ratio Lower Upper

114 100

63 17.6 0.0 31.4

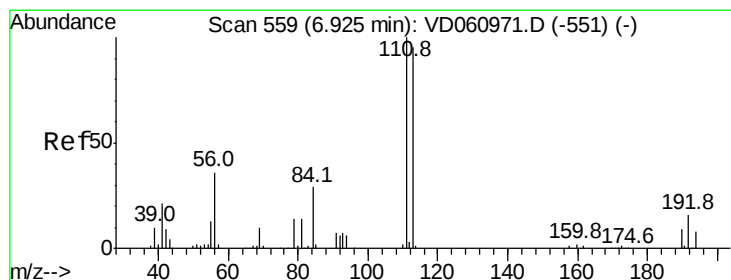
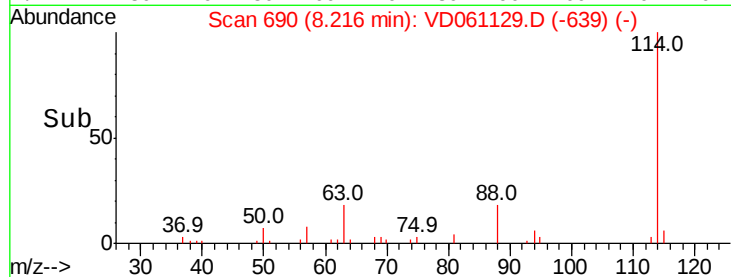
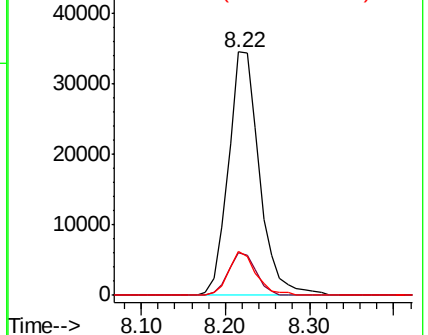
88 18.0 0.0 33.0



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: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061129.D

Acq: 17 Mar 2019 2:11

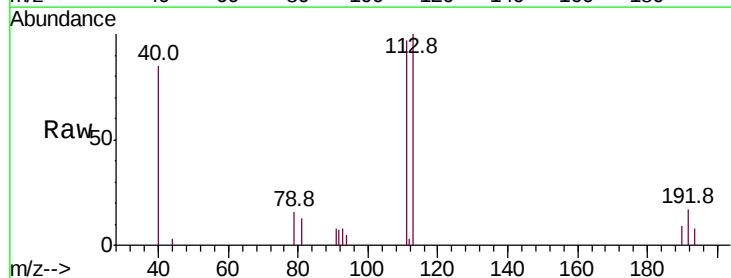
Tgt Ion:113 Resp: 39485

Ion Ratio Lower Upper

113 100

111 97.3 84.2 126.4

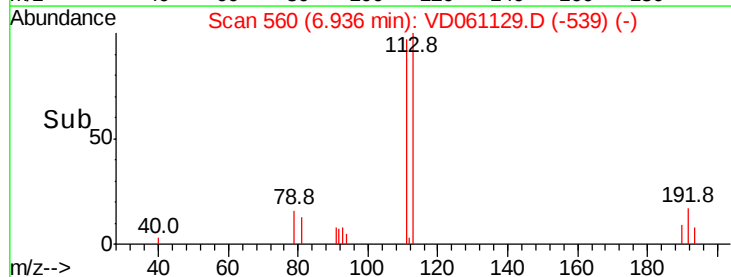
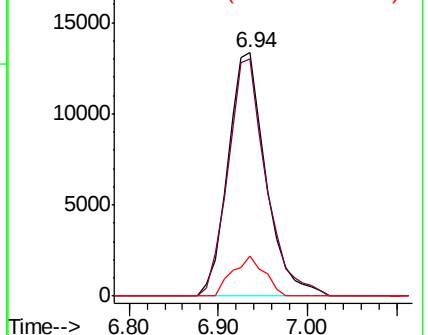
192 16.5 13.1 19.7

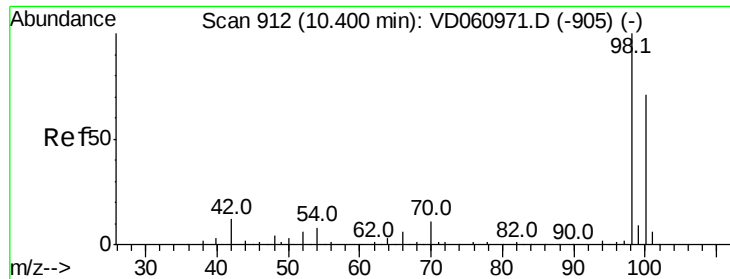


Abundance Ion 112.90 (112.60 to 113.60): V

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: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061129.D

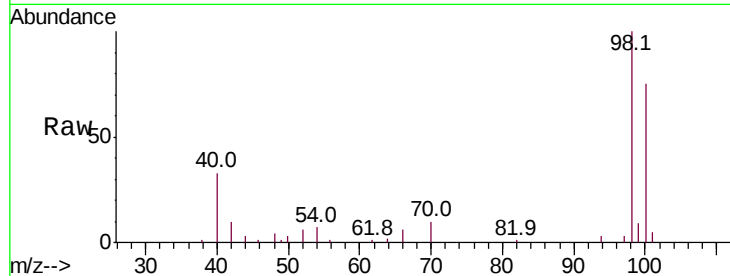
Acq: 17 Mar 2019 2:11

Tot Ion: 98 Resp: 80368

Ion Ratio Lower Upper

98 100

100 74.6 57.4 86.2

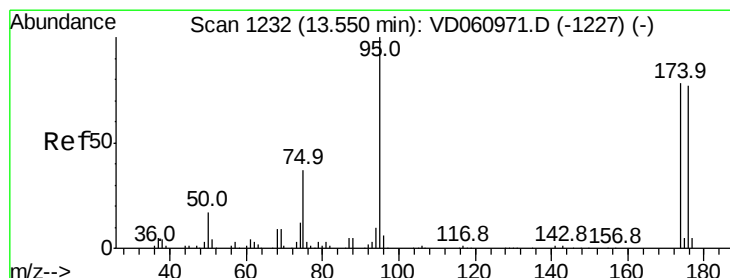
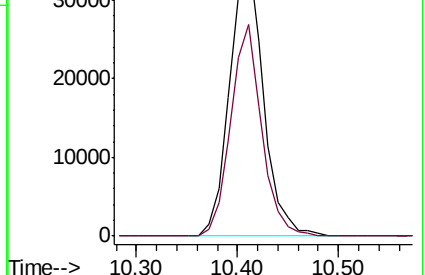
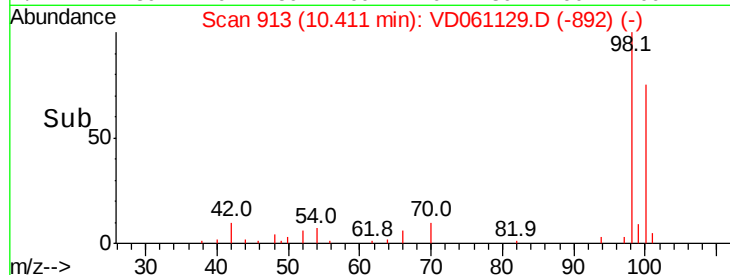


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

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

10.41

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061129.D

Acq: 17 Mar 2019 2:11

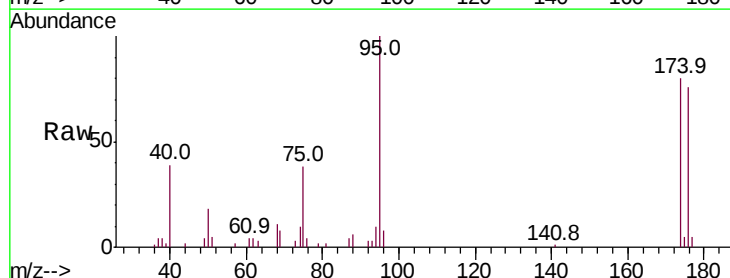
Tgt Ion: 95 Resp: 38823

Ion Ratio Lower Upper

95 100

174 79.6 0.0 155.6

176 75.9 0.0 153.8



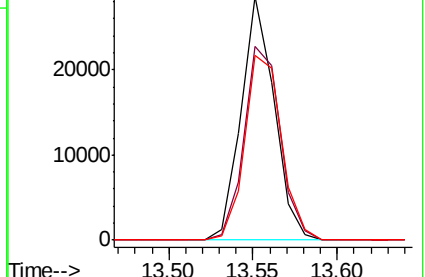
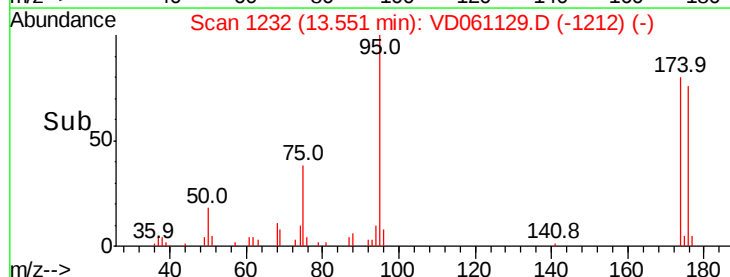
Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

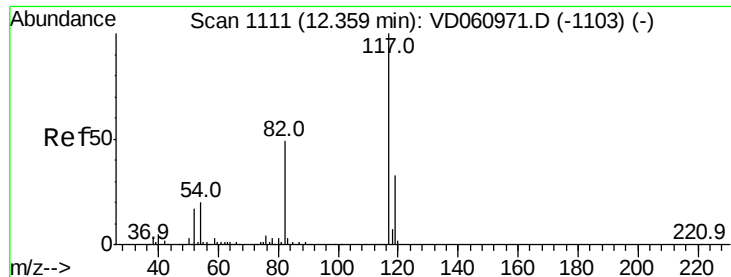
Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

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

13.55

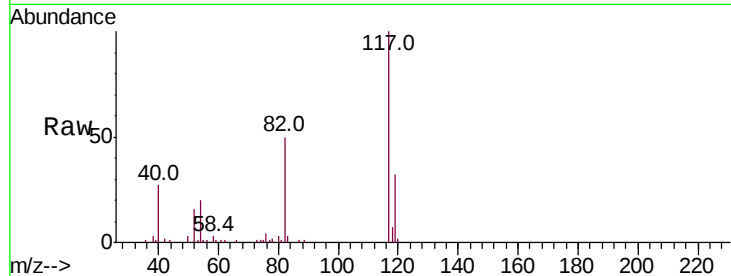
Time-->



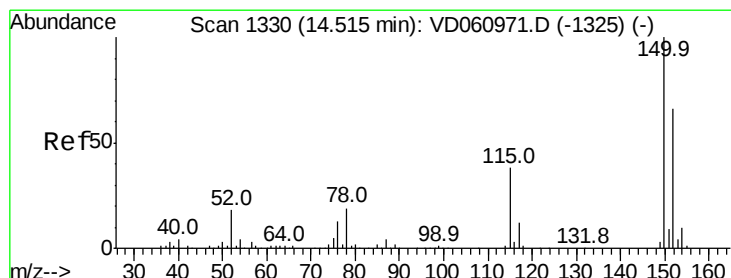
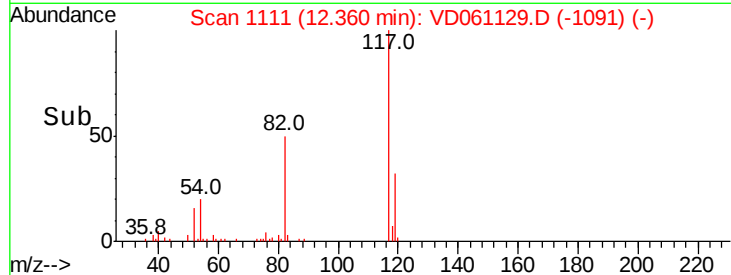
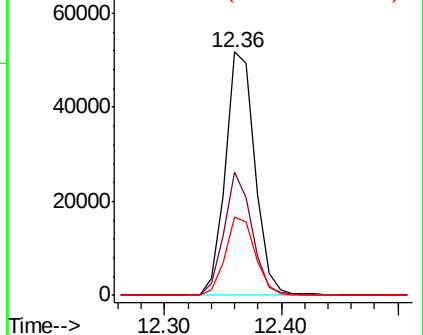


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061129.D
Acq: 17 Mar 2019 2:11

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	38.9	58.3
119	32.2	26.6	39.8

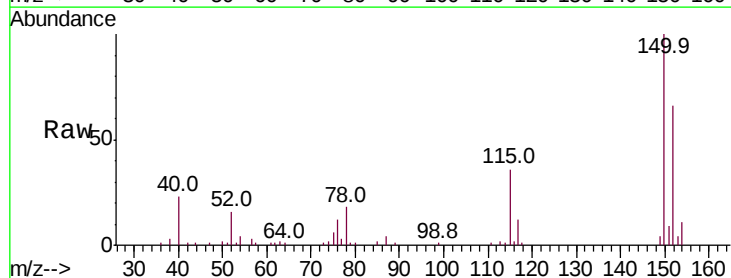


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061129.D
Acq: 17 Mar 2019 2:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.6	85.9
150	152.5	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

