

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061829.D
 Acq On : 17 Apr 2019 2:20
 Operator : VA/AP
 Sample : K2390-03
 Misc : 7.14g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 5124

Quant Time: Apr 17 03:57:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

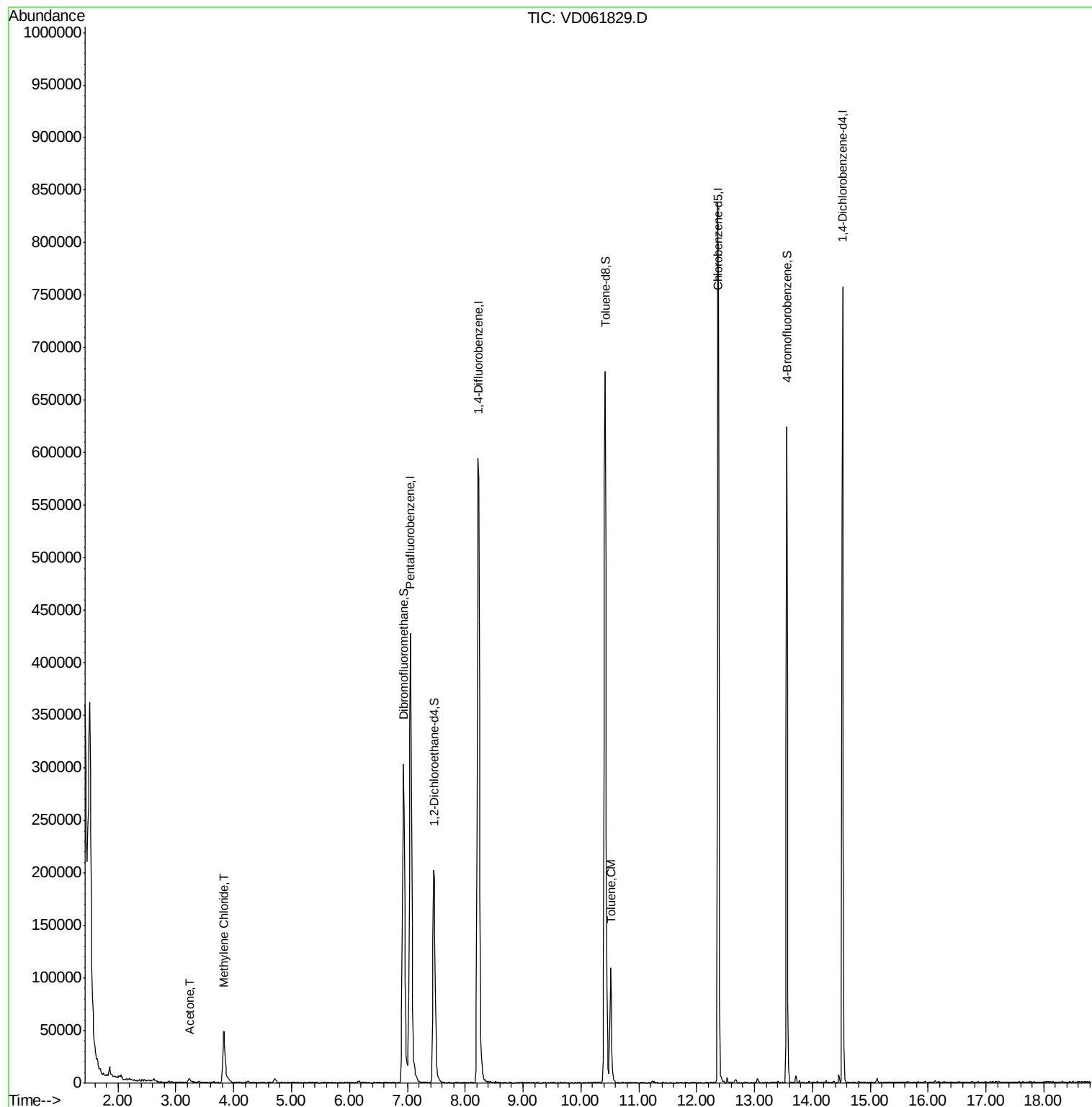
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	443707	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.23	114	762178	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.37	117	550539	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	178403	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	198665	53.42	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	106.84%	
35) Dibromofluoromethane	6.93	113	283481	49.23	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	10.42	98	599707	43.95	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	87.90%	
62) 4-Bromofluorobenzene	13.56	95	187523	33.91	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	67.82%	
Target Compounds						
16) Acetone	3.23	43	7864	8.580	ug/l #	87
20) Methylene Chloride	3.82	84	40813	4.813	ug/l	98
52) Toluene	10.52	92	60607	6.325	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

Instrument :

MSVOA_D

ClientSampleId :

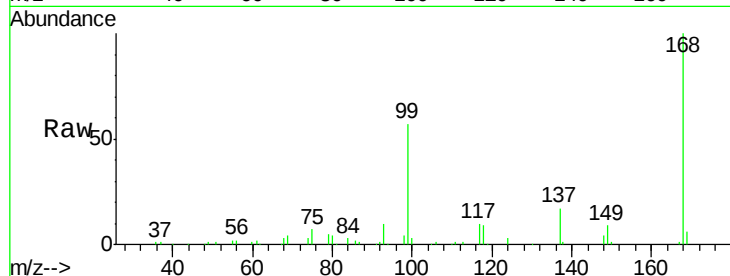
5124

Tot Ion:168 Resp: 443707

Ion Ratio Lower Upper

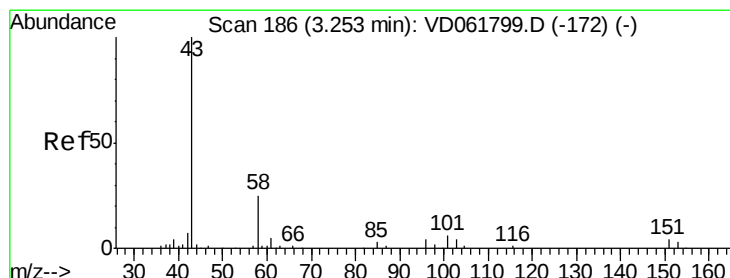
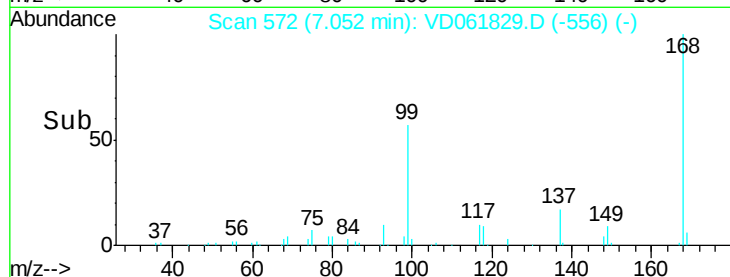
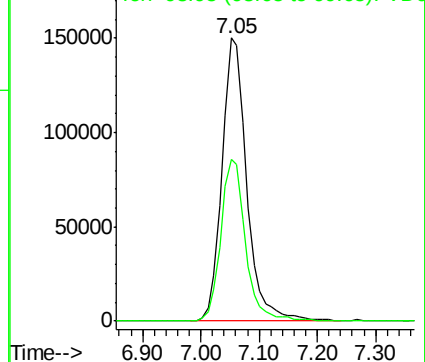
168 100

99 56.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 8.580 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.02 min

Lab File: VD061829.D

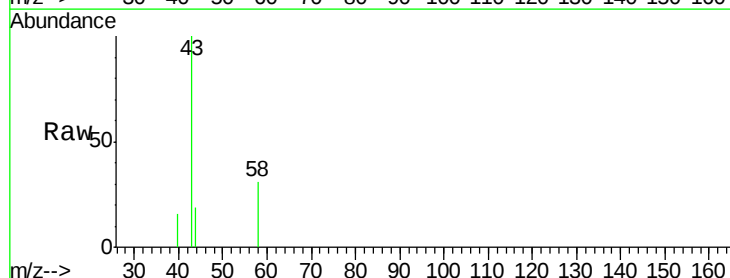
Acq: 17 Apr 2019 2:20

Tgt Ion: 43 Resp: 7864

Ion Ratio Lower Upper

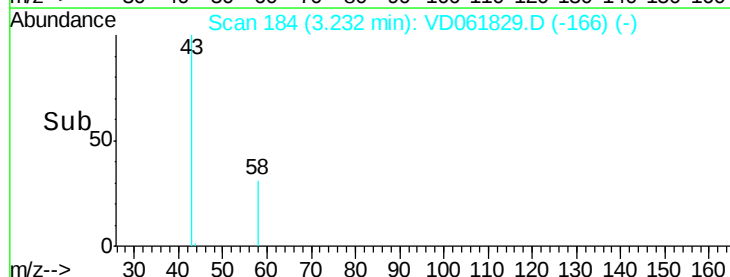
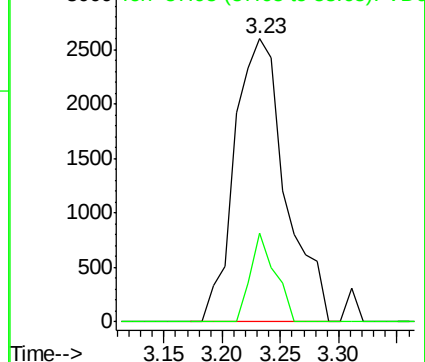
43 100

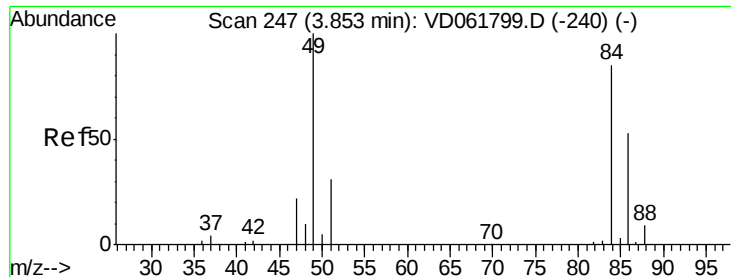
58 31.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

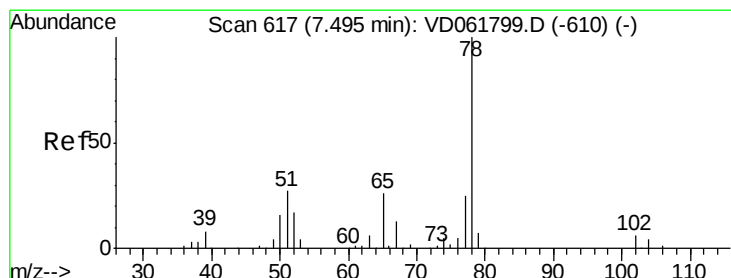
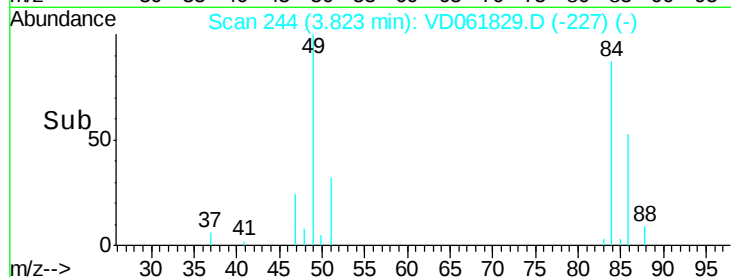
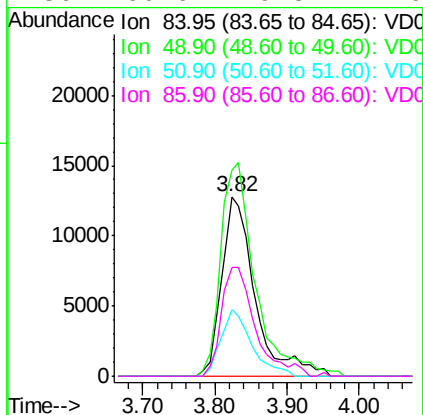
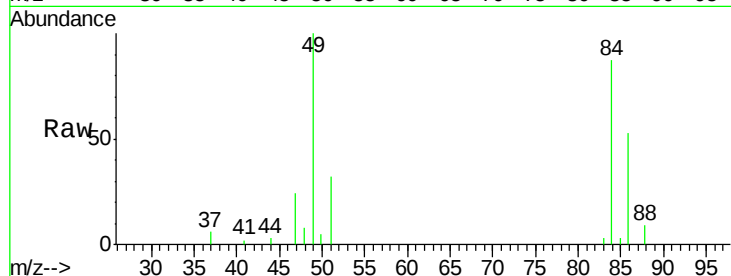




#20
Methylene Chloride
Concen: 4.813 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061829.D
Acq: 17 Apr 2019 2:20

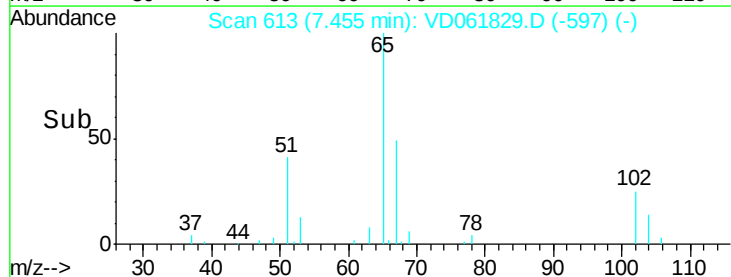
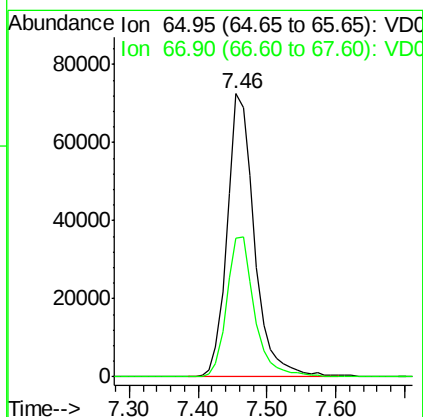
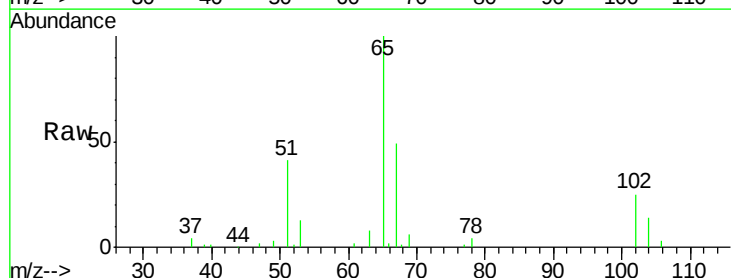
Instrument :
MSVOA_D
ClientSampleId :
5124

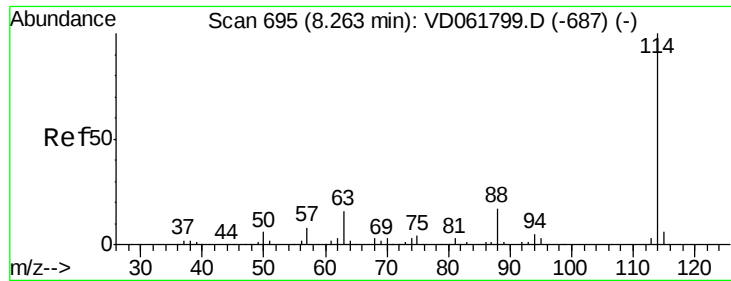
Tot Ion: 84 Resp: 40813
Ion Ratio Lower Upper
84 100
49 114.8 94.0 141.0
51 37.1 29.0 43.4
86 60.6 49.8 74.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.04 min
Lab File: VD061829.D
Acq: 17 Apr 2019 2:20

Tgt Ion: 65 Resp: 198665
Ion Ratio Lower Upper
65 100
67 49.1 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. -0.03 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

Instrument :

MSVOA_D

ClientSampleId :

5124

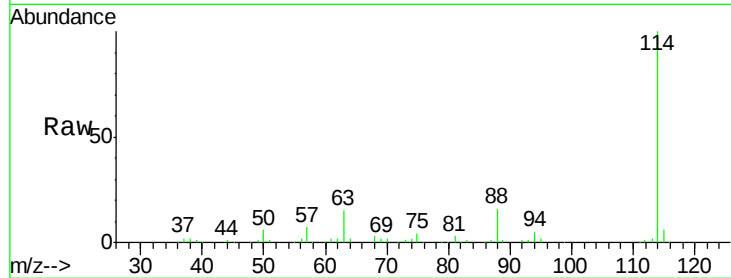
Tot Ion:114 Resp: 762178

Ion Ratio Lower Upper

114 100

63 14.8 0.0 32.4

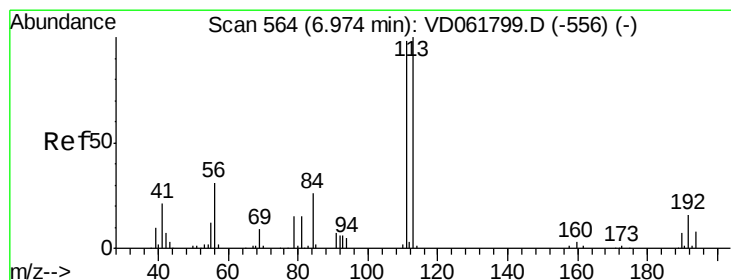
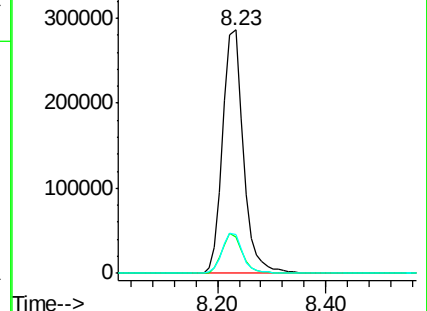
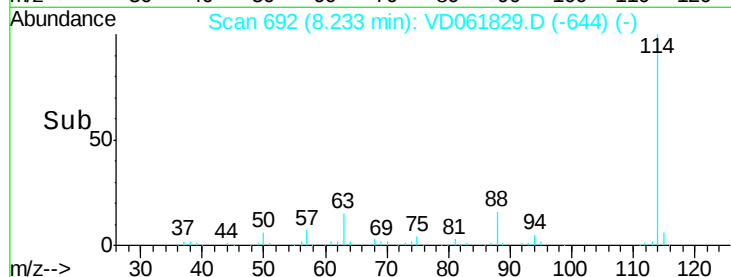
88 16.0 0.0 33.6



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# 560

Delta R.T. -0.04 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

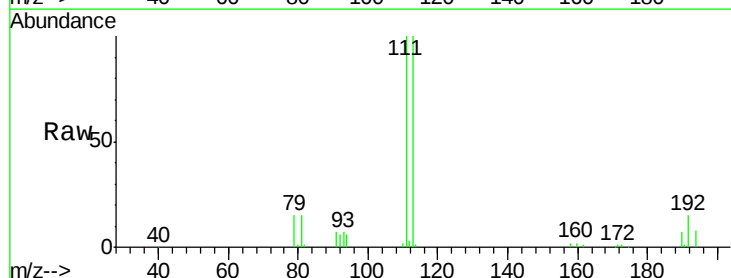
Tgt Ion:113 Resp: 283481

Ion Ratio Lower Upper

113 100

111 99.7 78.5 117.7

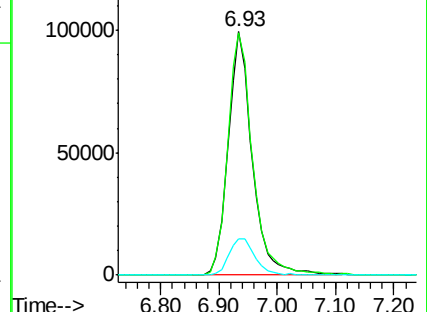
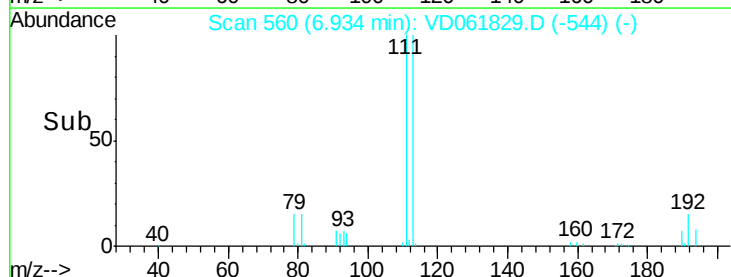
192 15.1 13.0 19.4

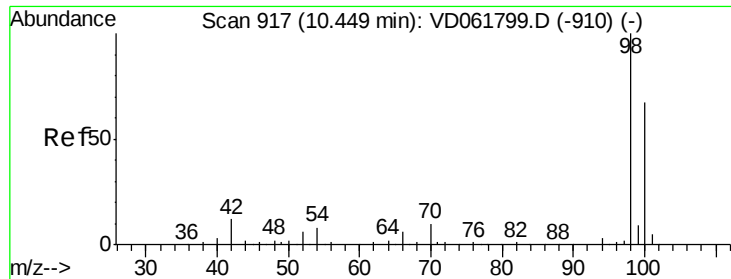


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

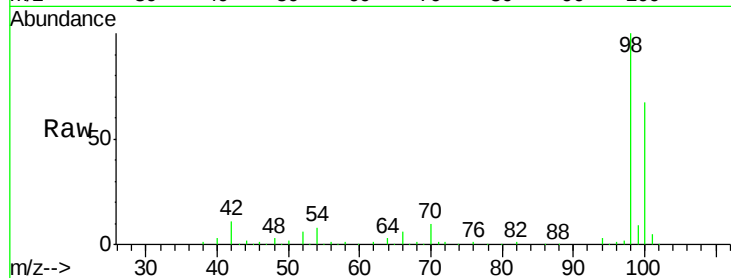




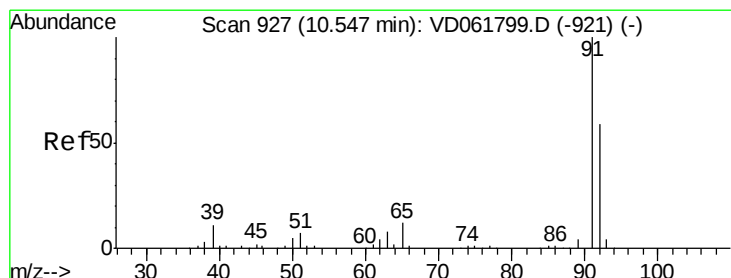
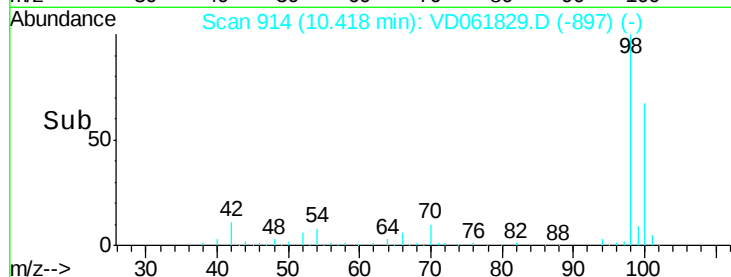
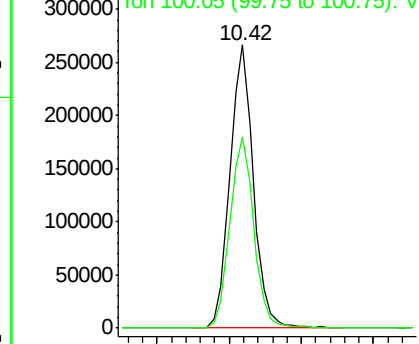
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD061829.D
Acq: 17 Apr 2019 2:20

Instrument :
MSVOA_D
ClientSampleId :
5124

Tot Ion: 98 Resp: 599707
Ion Ratio Lower Upper
98 100
100 67.5 53.8 80.8

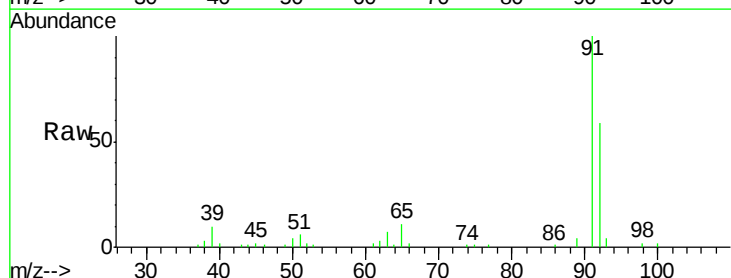


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

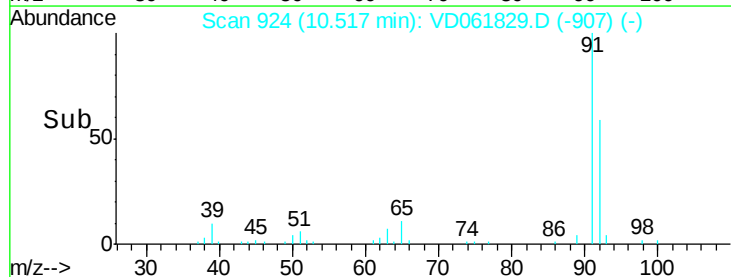
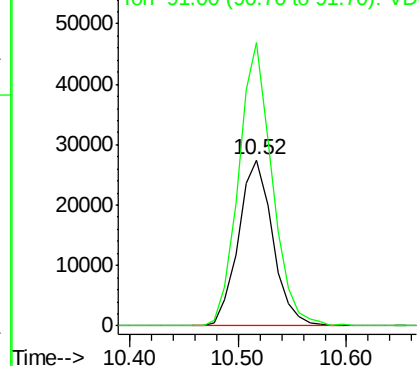


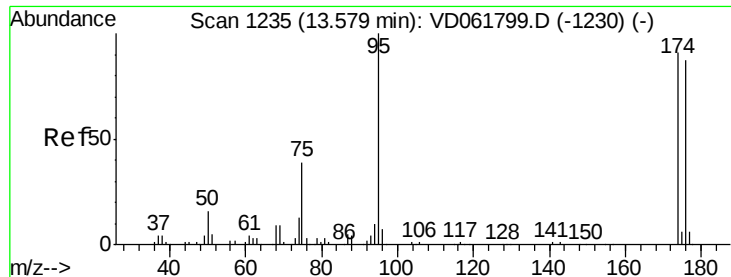
#52
Toluene
Concen: 6.325 ug/l
RT: 10.52 min Scan# 924
Delta R.T. -0.03 min
Lab File: VD061829.D
Acq: 17 Apr 2019 2:20

Tgt Ion: 92 Resp: 60607
Ion Ratio Lower Upper
92 100
91 170.5 136.6 204.8



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. -0.02 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

Instrument :

MSVOA_D

ClientSampleId :

5124

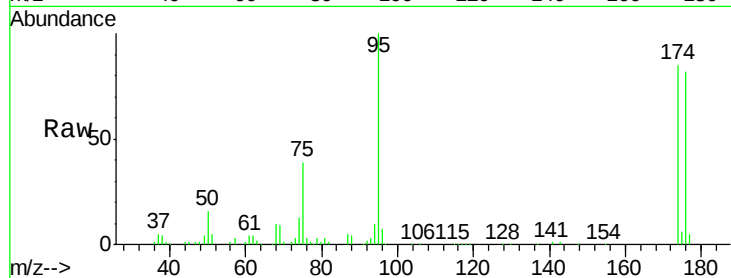
Tot Ion: 95 Resp: 187523

Ion Ratio Lower Upper

95 100

174 85.4 0.0 181.8

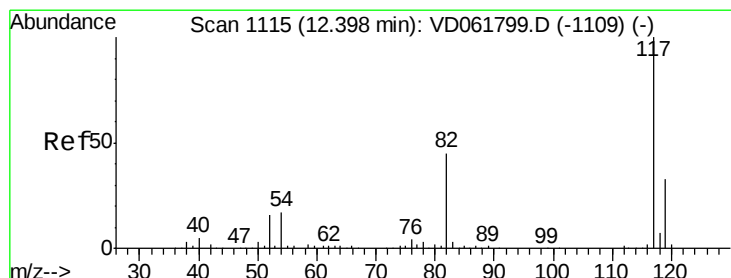
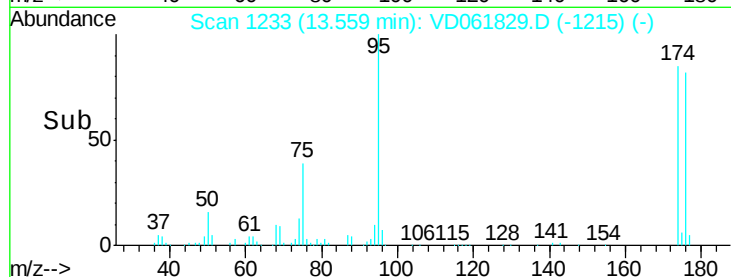
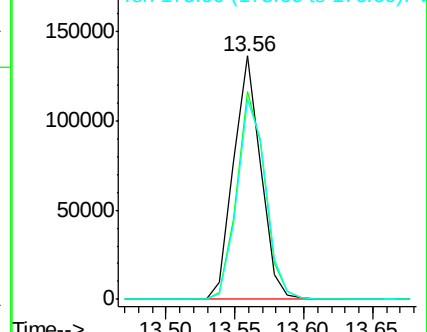
176 82.0 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

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. -0.03 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

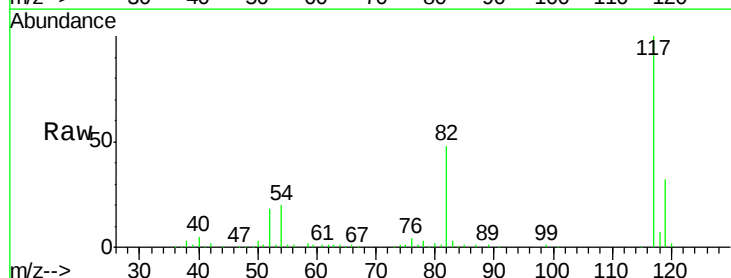
Tgt Ion: 117 Resp: 550539

Ion Ratio Lower Upper

117 100

82 48.0 36.2 54.2

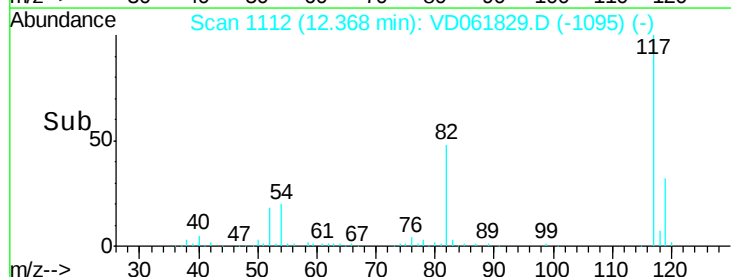
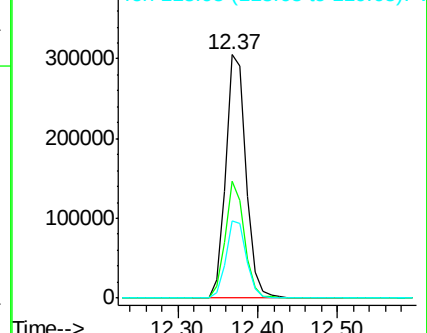
119 31.9 26.2 39.4

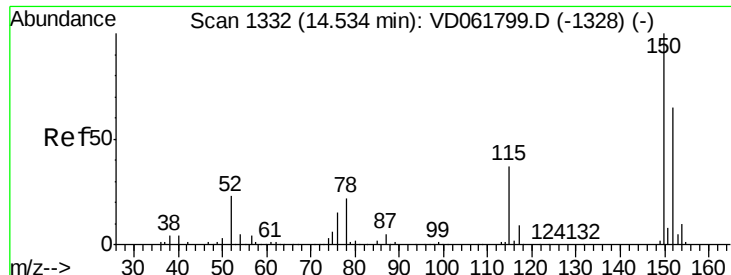


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

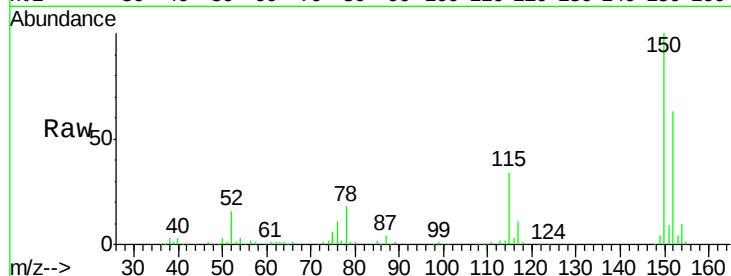




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061829.D
 Acq: 17 Apr 2019 2:20

Instrument :
 MSVOA_D
 ClientSampleId :
 5124

Tot Ion:152 Resp: 178403
 Ion Ratio Lower Upper
 152 100
 115 53.7 30.9 92.7
 150 159.0 0.0 314.8



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

