

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061821.D
 Acq On : 16 Apr 2019 20:18
 Operator : VA/AP
 Sample : K2199-09
 Misc : 6.21g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-041219-A

Quant Time: Apr 17 01:32:00 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

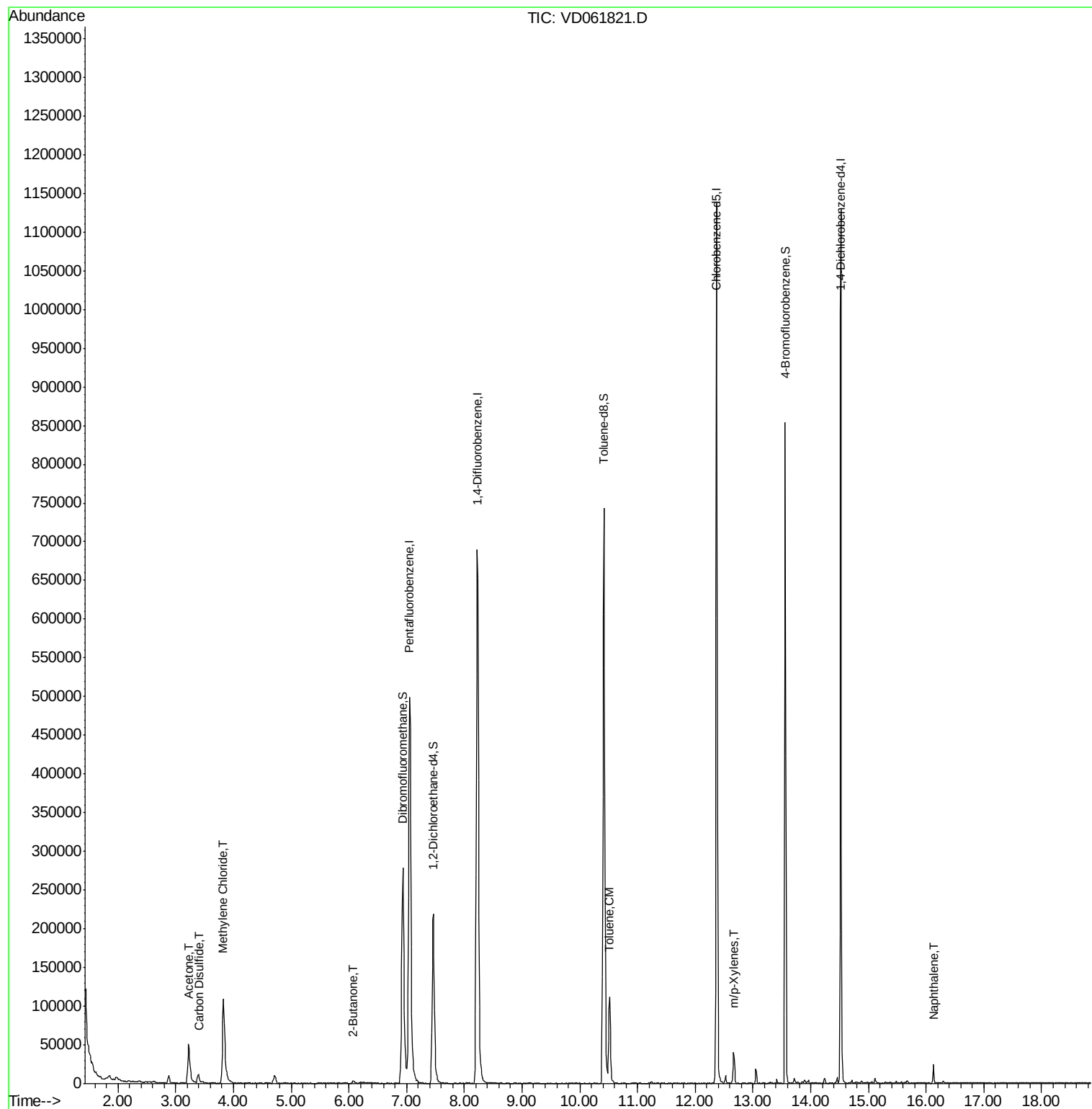
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	525441	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	881320	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	721903	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	288383	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	223972	50.86	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.72%	
35) Dibromofluoromethane	6.93	113	272070	40.86	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	81.72%	
50) Toluene-d8	10.42	98	654981	41.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	83.04%	
62) 4-Bromofluorobenzene	13.56	95	266972	41.75	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.50%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	101955	93.938	ug/l	99
17) Carbon Disulfide	3.39	76	21341	1.339	ug/l	98
20) Methylene Chloride	3.82	84	87800	12.868	ug/l	94
25) 2-Butanone	6.08	43	7347	5.946	ug/l #	89
52) Toluene	10.52	92	61551	5.555	ug/l	94
68) m/p-Xylenes	12.66	106	13890	1.717	ug/l	95
95) Naphthalene	16.13	128	18194	2.782	ug/l	96

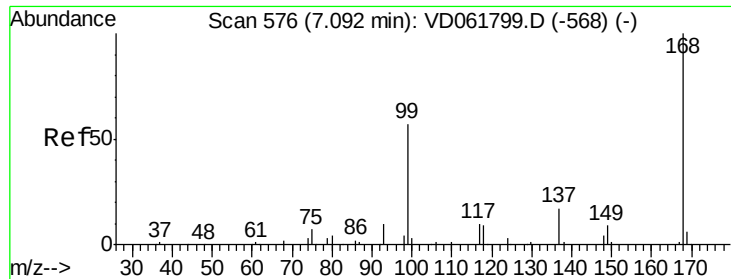
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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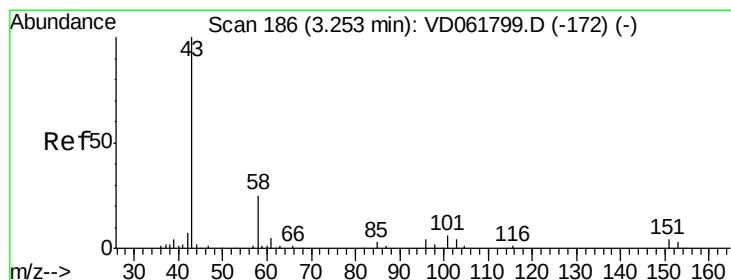
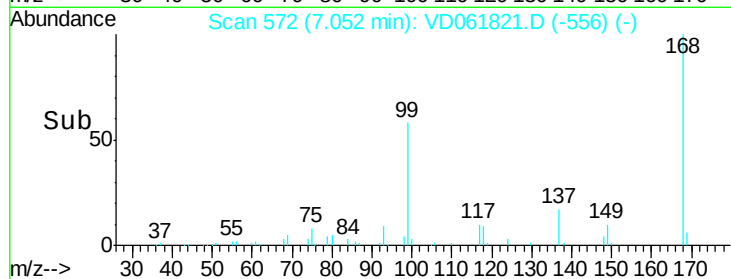
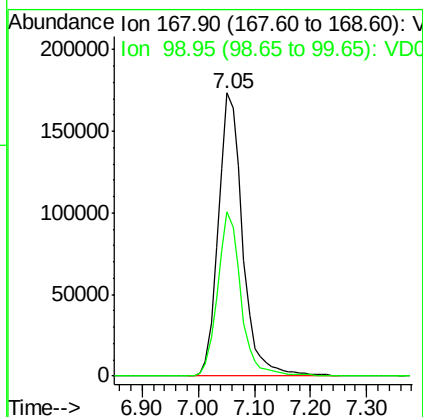
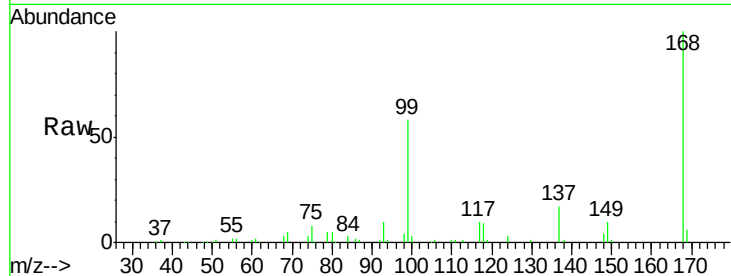




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

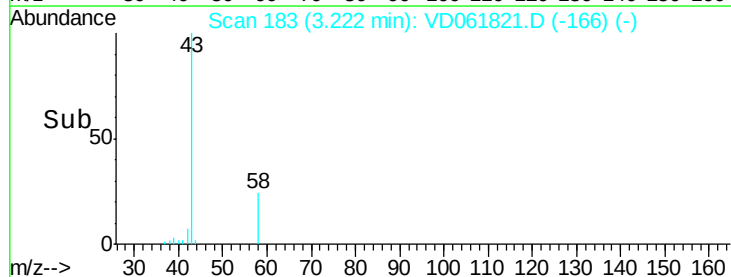
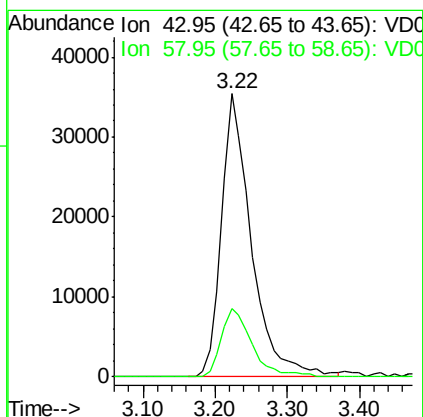
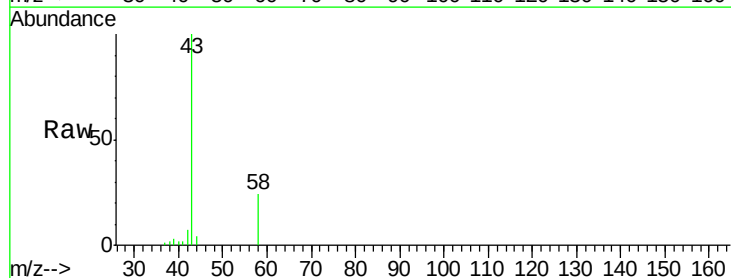
Instrument :
MSVOA_D
ClientSampleId :
OR-02-041219-A

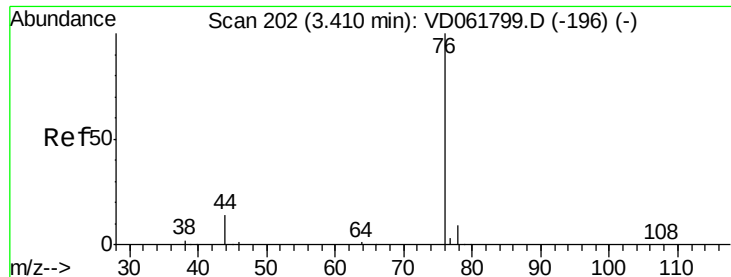
Tot Ion:168 Resp: 525441
Ion Ratio Lower Upper
168 100
99 58.2 46.5 69.7



#16
Acetone
Concen: 93.938 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.03 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

Tgt Ion: 43 Resp: 101955
Ion Ratio Lower Upper
43 100
58 24.2 19.9 29.9





#17

Carbon Disulfide

Concen: 1.339 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.02 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

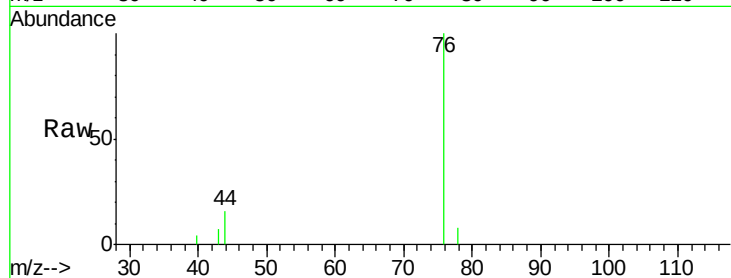
OR-02-041219-A

Tot Ion: 76 Resp: 21341

Ion Ratio Lower Upper

76 100

78 8.1 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

8000

6000

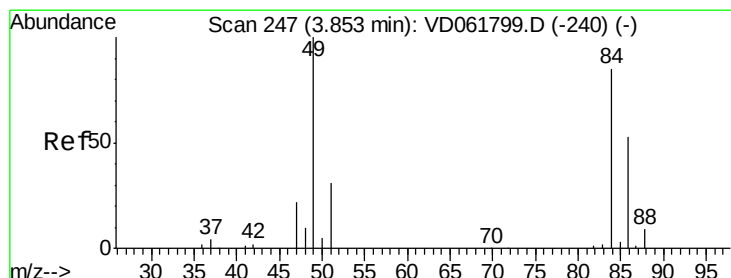
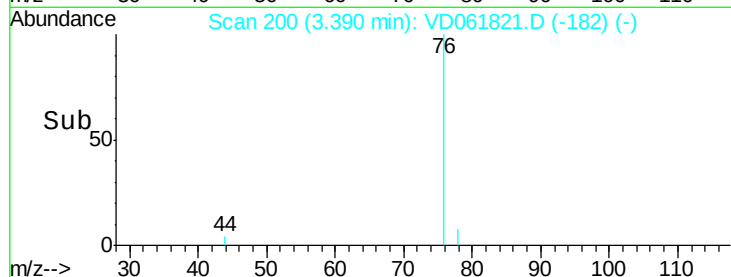
4000

2000

0

Time-->

3.30 3.35 3.40 3.45 3.50



#20

Methylene Chloride

Concen: 12.868 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.03 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

Tgt Ion: 84 Resp: 87800

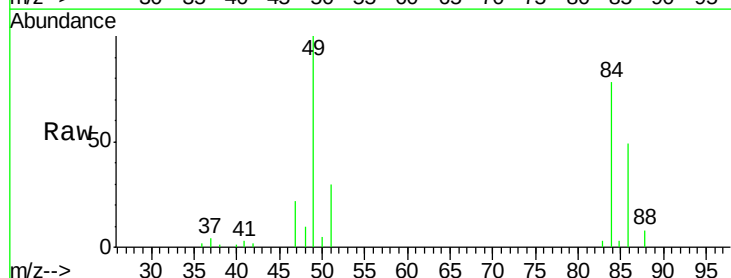
Ion Ratio Lower Upper

84 100

49 128.0 94.0 141.0

51 38.1 29.0 43.4

86 62.7 49.8 74.6



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

50000

40000

30000

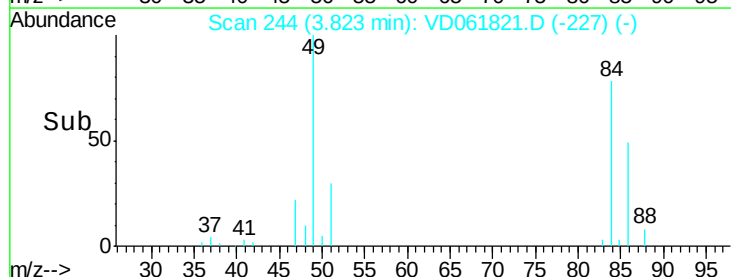
20000

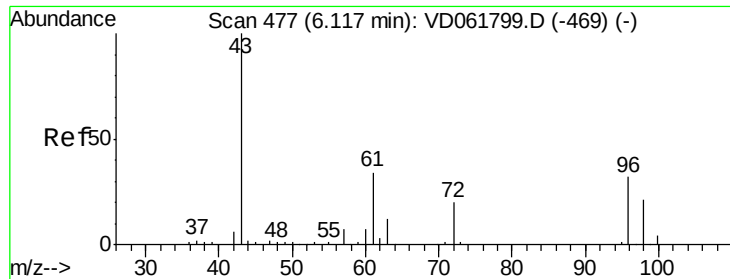
10000

0

Time-->

3.70 3.80 3.90 4.00





#25

2-Butanone

Concen: 5.946 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.04 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

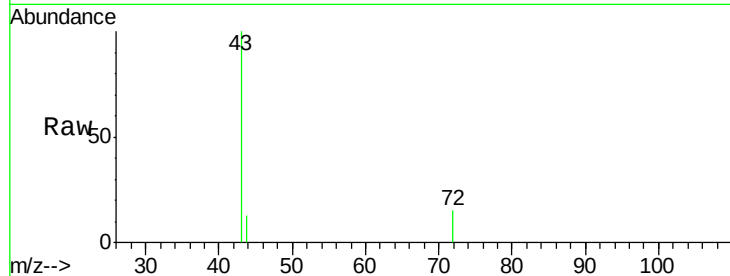
OR-02-041219-A

Tot Ion: 43 Resp: 7347

Ion Ratio Lower Upper

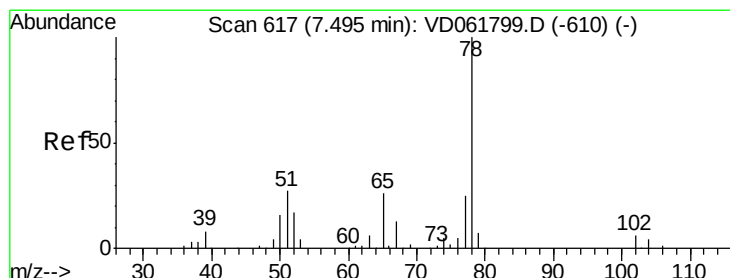
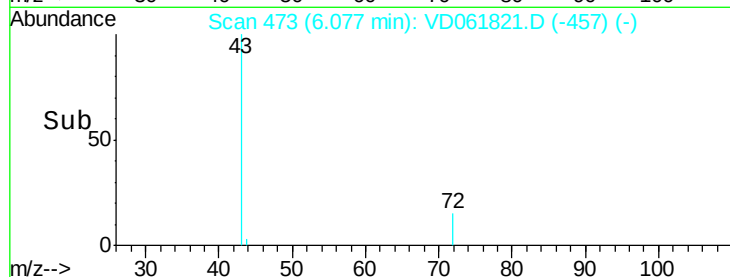
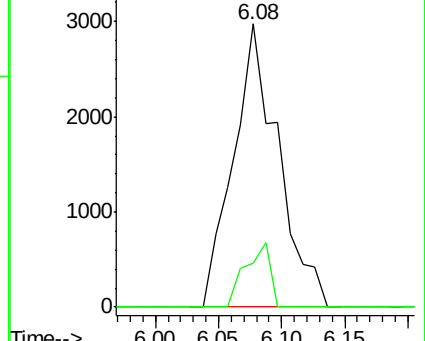
43 100

72 15.4 16.2 24.4#



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. -0.03 min

Lab File: VD061821.D

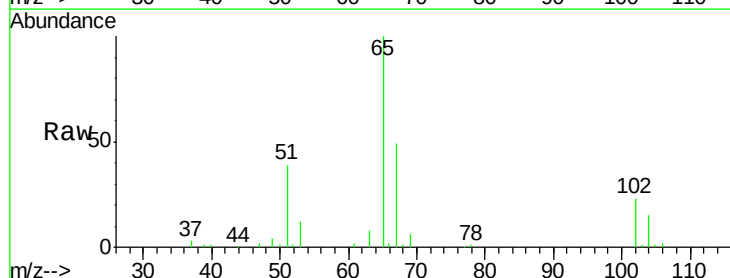
Acq: 16 Apr 2019 20:18

Tgt Ion: 65 Resp: 223972

Ion Ratio Lower Upper

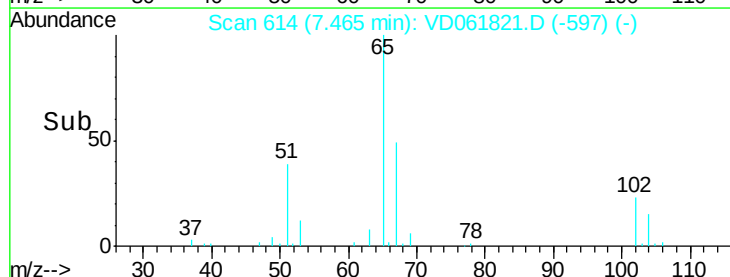
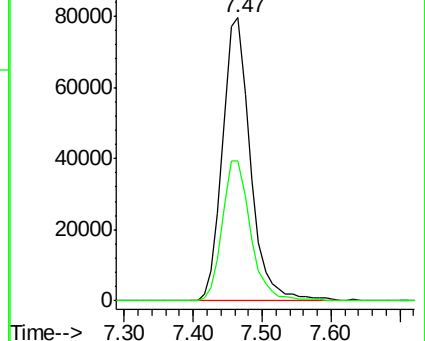
65 100

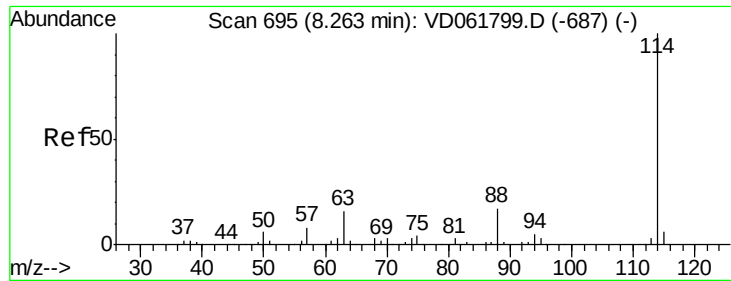
67 49.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

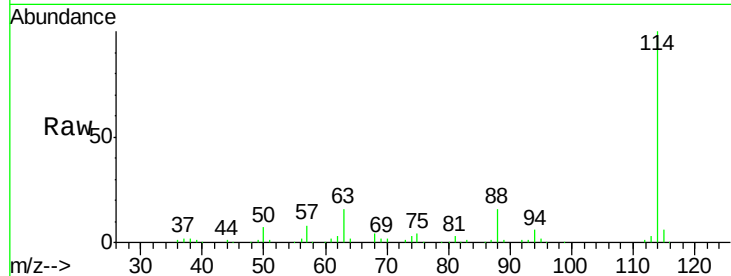




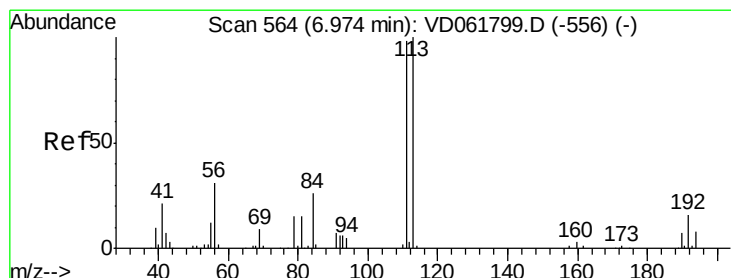
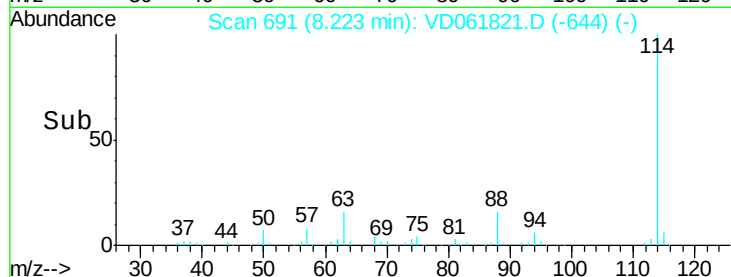
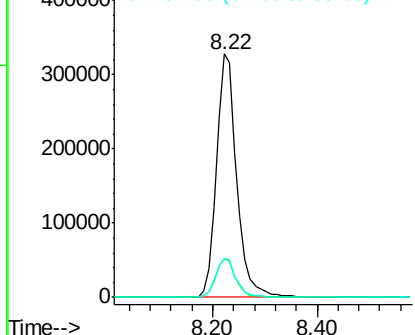
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-041219-A

Tot Ion:114 Resp: 881320
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 32.4
 88 16.0 0.0 33.6

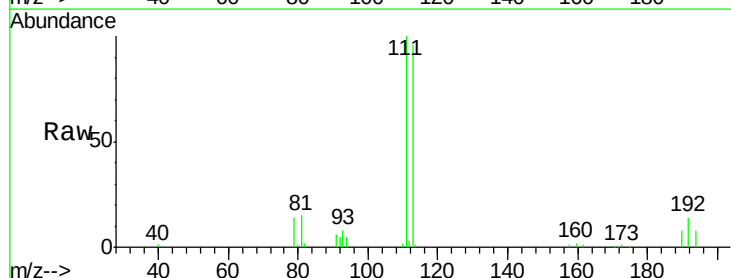


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

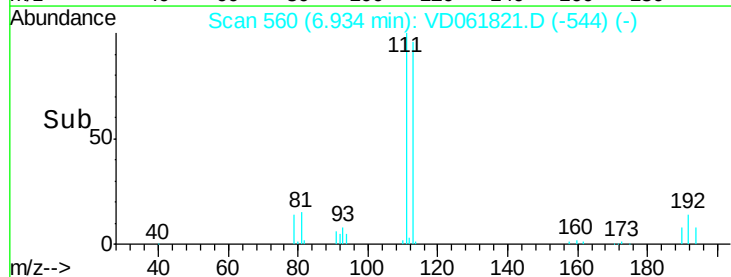
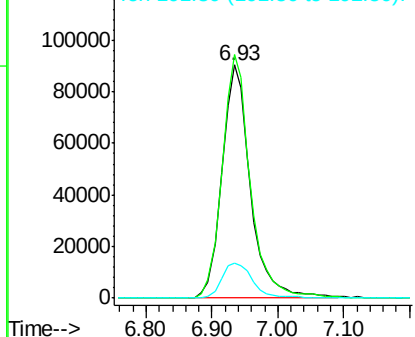


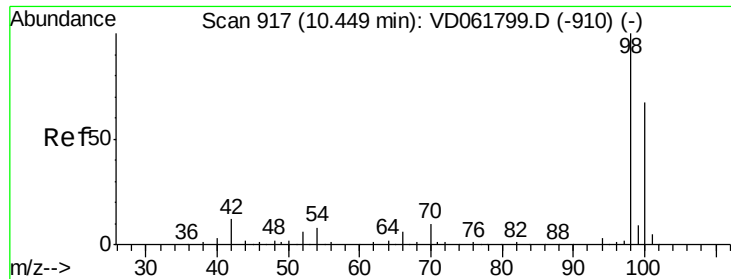
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. -0.04 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

Tgt Ion:113 Resp: 272070
 Ion Ratio Lower Upper
 113 100
 111 104.4 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

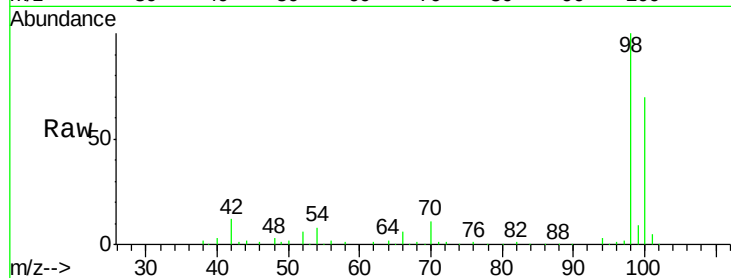




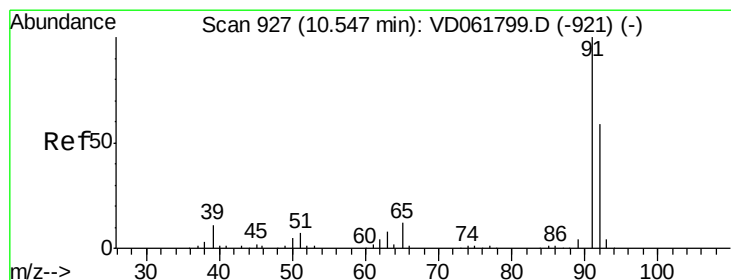
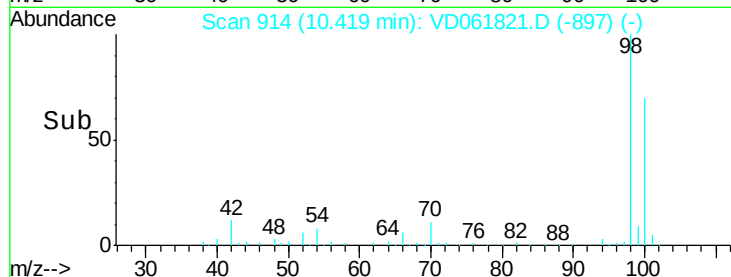
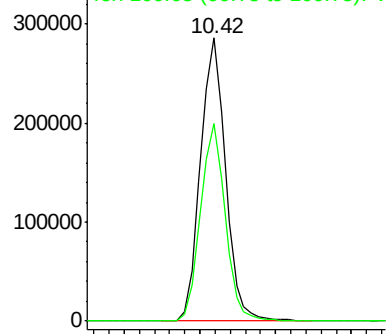
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
OR-02-041219-A

Tot Ion: 98 Resp: 654981
Ion Ratio Lower Upper
98 100
100 69.7 53.8 80.8

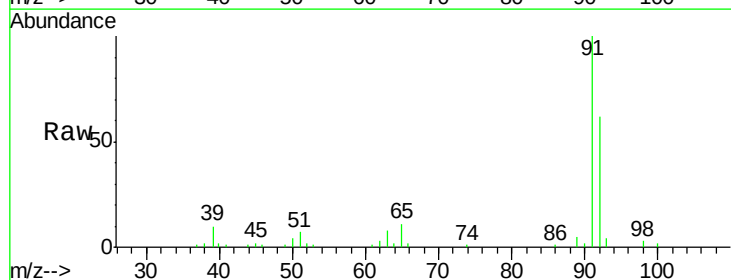


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

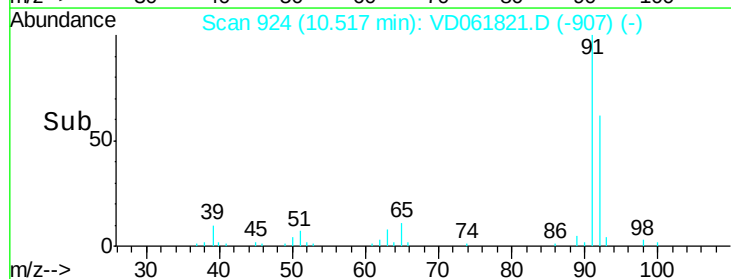
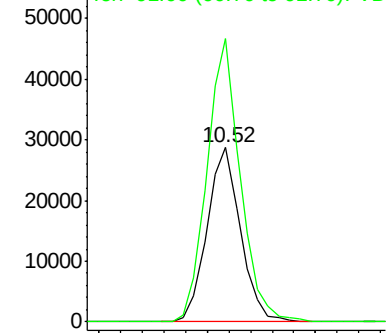


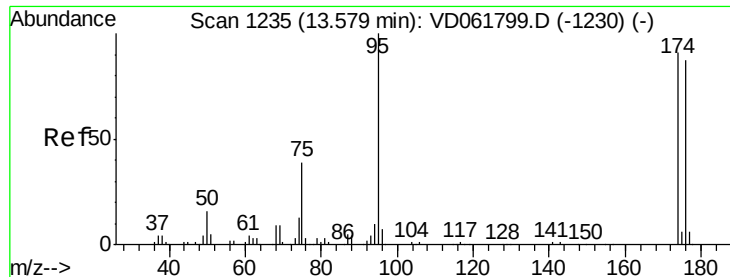
#52
Toluene
Concen: 5.555 ug/l
RT: 10.52 min Scan# 924
Delta R.T. -0.03 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

Tgt Ion: 92 Resp: 61551
Ion Ratio Lower Upper
92 100
91 162.3 136.6 204.8



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: VD061821.D

Acq: 16 Apr 2019 20:18

Instrument :

MSVOA_D

ClientSampleId :

OR-02-041219-A

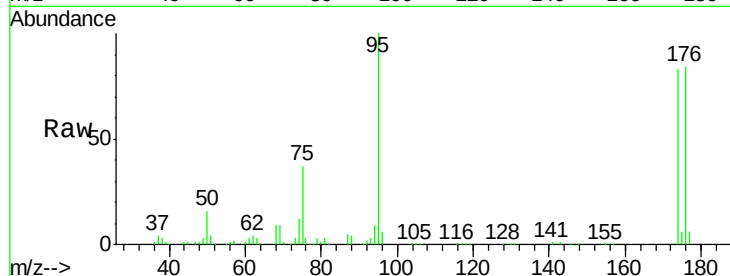
Tot Ion: 95 Resp: 266972

Ion Ratio Lower Upper

95 100

174 83.2 0.0 181.8

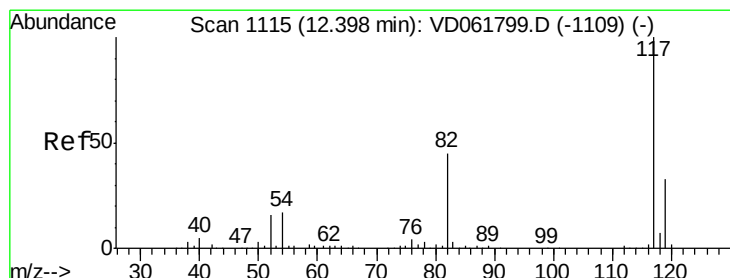
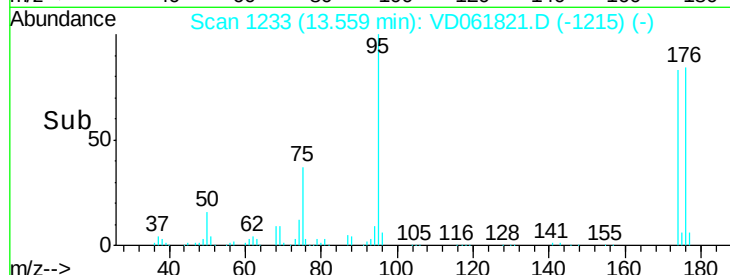
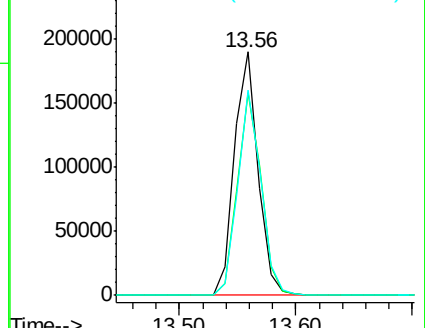
176 84.2 0.0 174.4



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: VD061821.D

Acq: 16 Apr 2019 20:18

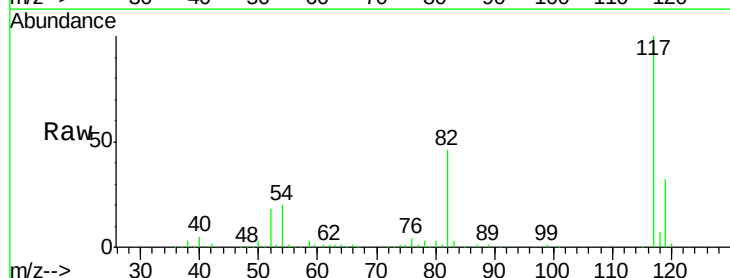
Tgt Ion: 117 Resp: 721903

Ion Ratio Lower Upper

117 100

82 46.2 36.2 54.2

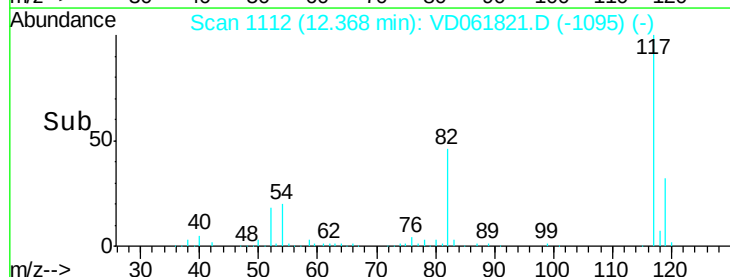
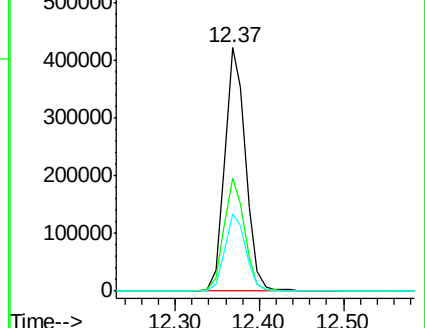
119 31.8 26.2 39.4

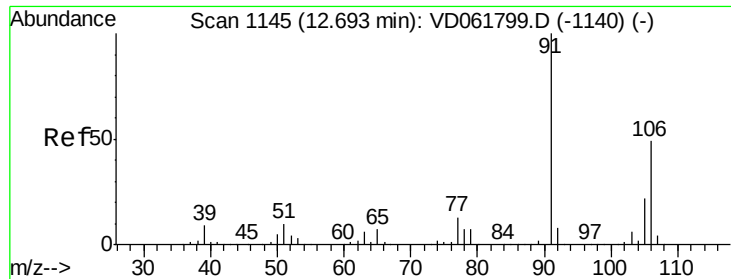


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

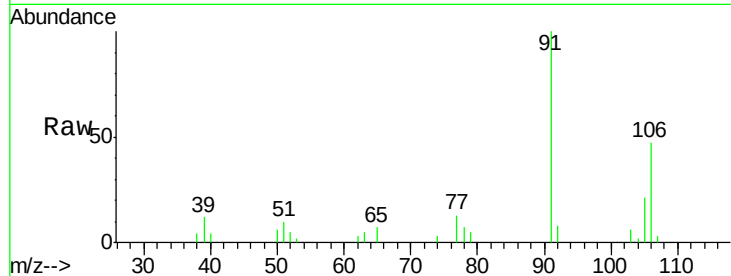




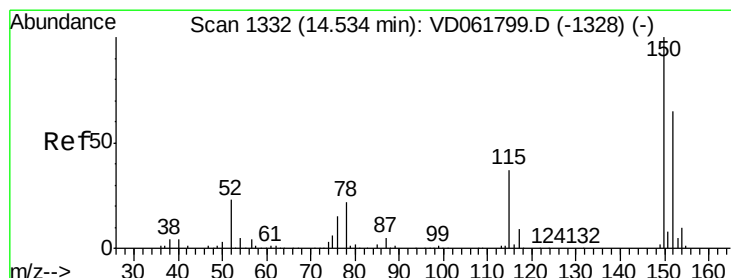
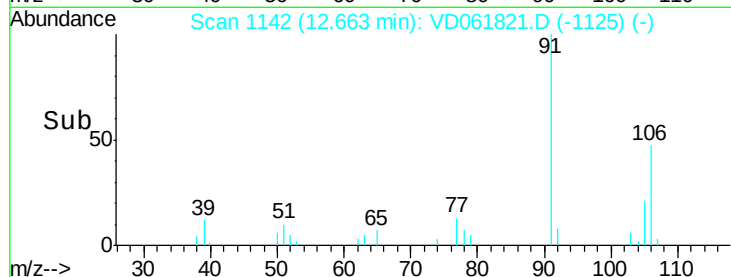
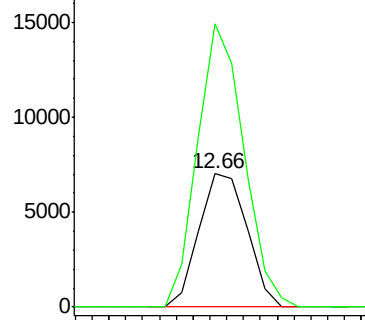
#68
m/p-Xylenes
Concen: 1.717 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :
OR-02-041219-A

Tot Ion:106 Resp: 13890
Ion Ratio Lower Upper
106 100
91 212.4 164.0 246.0

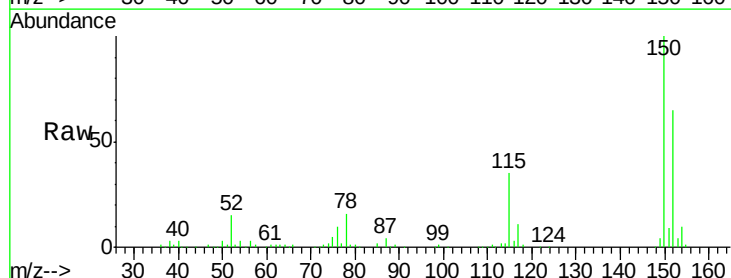


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

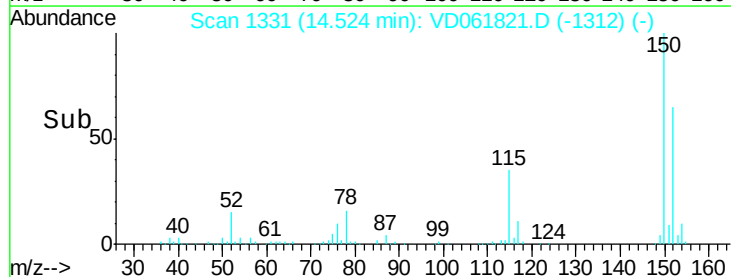
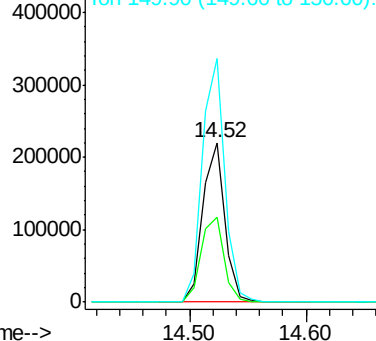


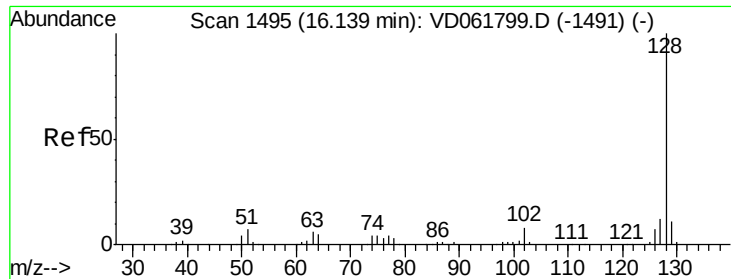
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

Tgt Ion:152 Resp: 288383
Ion Ratio Lower Upper
152 100
115 53.4 30.9 92.7
150 152.9 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

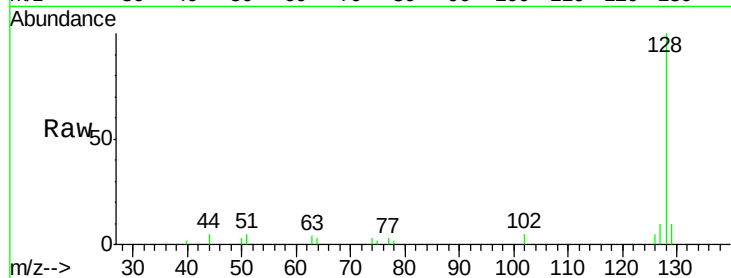




#95
 Naphthalene
 Concen: 2.782 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-041219-A

Tot Ion:128 Resp: 18194
 Ion Ratio Lower Upper
 128 100
 127 9.8 9.8 14.8
 129 10.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

