

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060151.D
 Acq On : 9 Oct 2018 15:16
 Operator : VA/AP
 Sample : J5200-07
 Misc : 6.47g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-100818-B

Quant Time: Oct 10 01:15:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

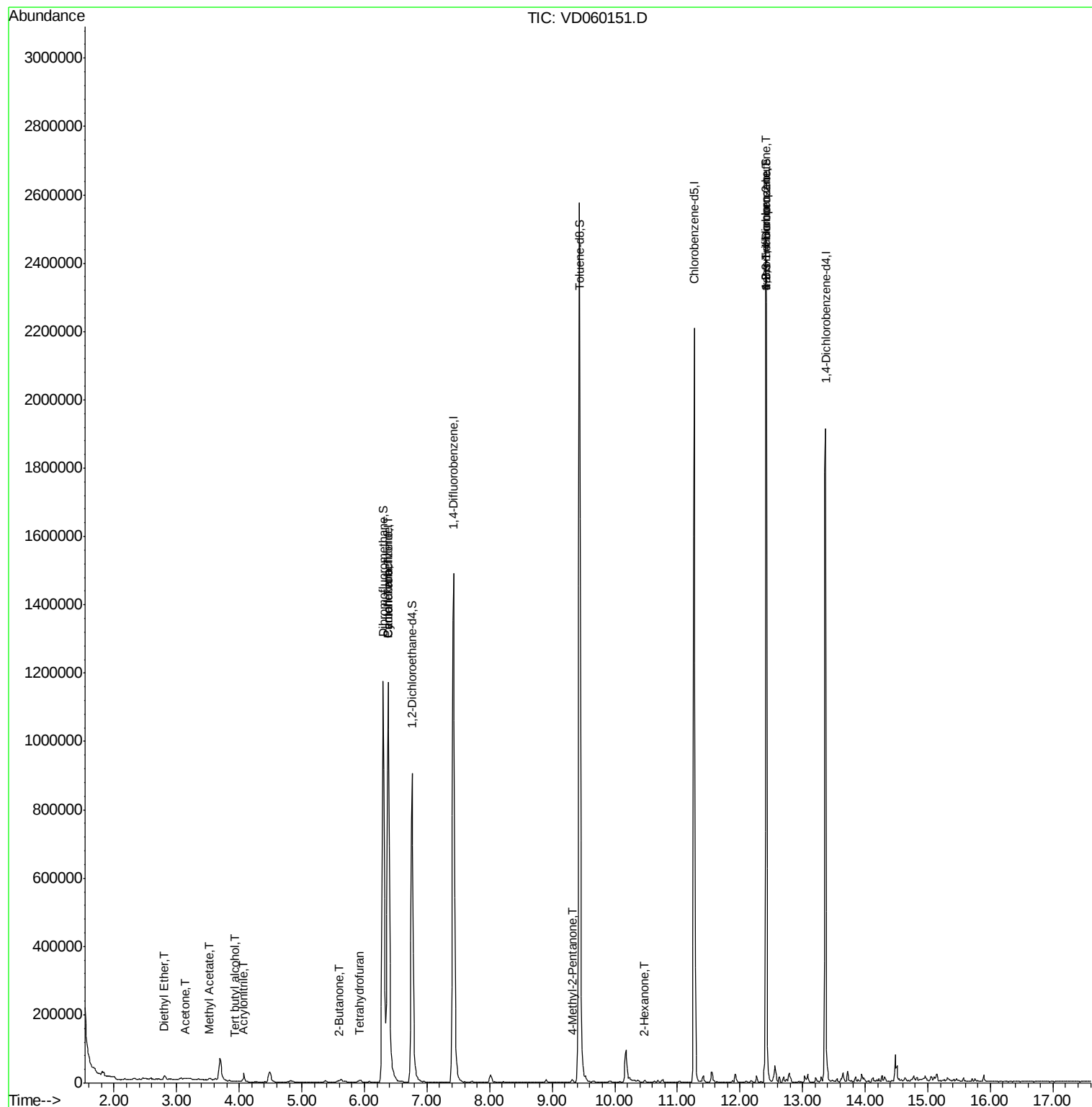
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1153862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1582427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1169631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	483404	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	736740	84.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.46%	
35) Dibromofluoromethane	6.30	113	907488	75.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.04%	
50) Toluene-d8	9.44	98	2159139	63.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.02%	
62) 4-Bromofluorobenzene	12.41	95	757498	59.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.08%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.81	74	3378	1.713	ug/l	81
11) Tert butyl alcohol	3.94	59	2445	3.898	ug/l #	74
15) Acrylonitrile	4.06	53	3390	1.306	ug/l #	71
16) Acetone	3.14	43	7349	4.631	ug/l	96
18) Methyl Acetate	3.53	43	7601	2.228	ug/l #	63
20) Methylene Chloride	3.69	84	40286	Below Cal		93
25) 2-Butanone	5.59	43	7546	1.903	ug/l #	59
29) Tetrahydrofuran	5.94	42	6087	2.643	ug/l #	88
31) Cyclohexane	6.37	56	28966	1.529	ug/l #	1
38) Carbon Tetrachloride	6.38	117	91165	6.643	ug/l #	14
51) 4-Methyl-2-Pentanone	9.32	43	9391	1.128	ug/l	97
59) 2-Hexanone	10.47	43	7123	1.189	ug/l	84
76) 1,2,3-Trichloropropane	12.41	75	250846	36.033	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.41	75	301374	154.067	ug/l #	13

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100918\
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OR-03-100818-B

Quant Time: Oct 10 01:15:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060151.D

Acq: 9 Oct 2018 15:16

Instrument :

MSVOA_D

ClientSampleId :

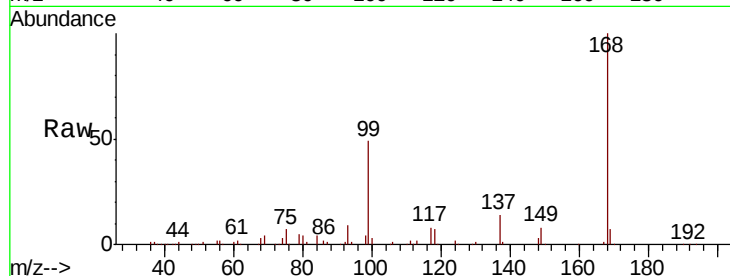
OR-03-100818-B

Tot Ion:168 Resp: 1153862

Ion Ratio Lower Upper

168 100

99 48.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

400000

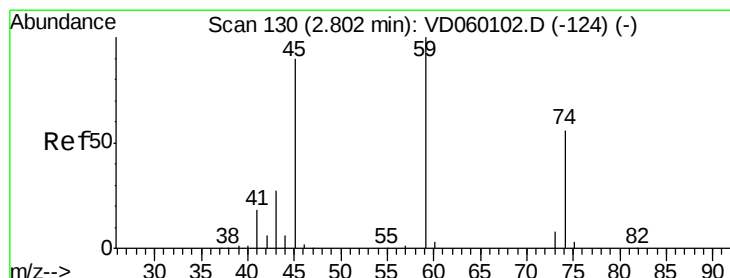
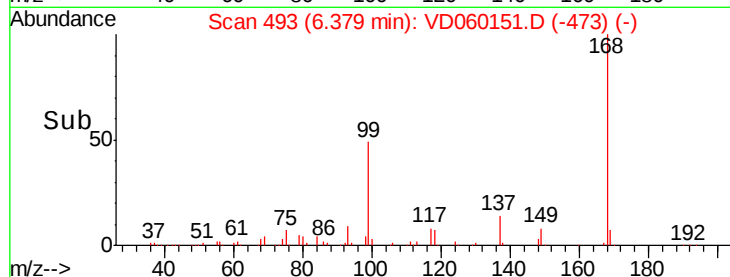
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#8

Diethyl Ether

Concen: 1.713 ug/l

RT: 2.81 min Scan# 130

Delta R.T. 0.00 min

Lab File: VD060151.D

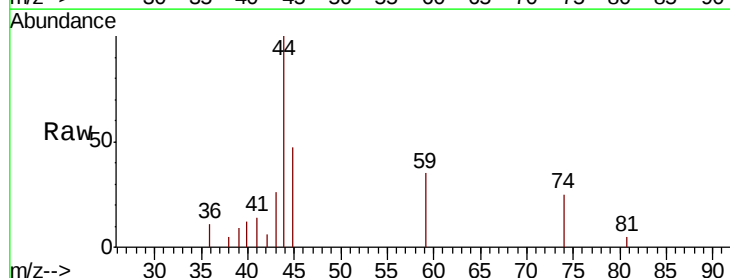
Acq: 9 Oct 2018 15:16

Tgt Ion: 74 Resp: 3378

Ion Ratio Lower Upper

74 100

45 186.0 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

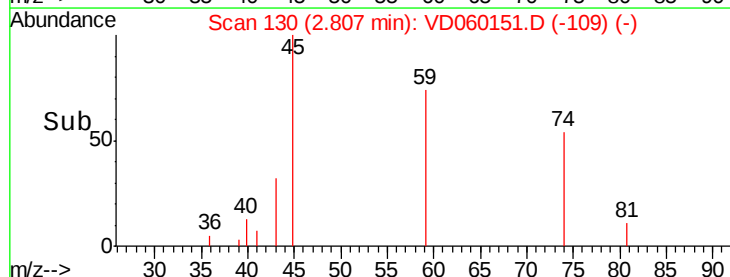
3000

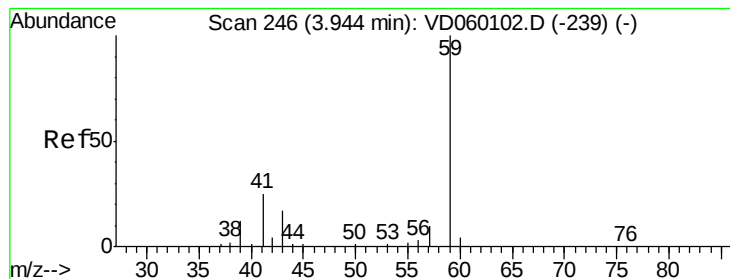
2000

1000

0

Time--> 2.75 2.80 2.85



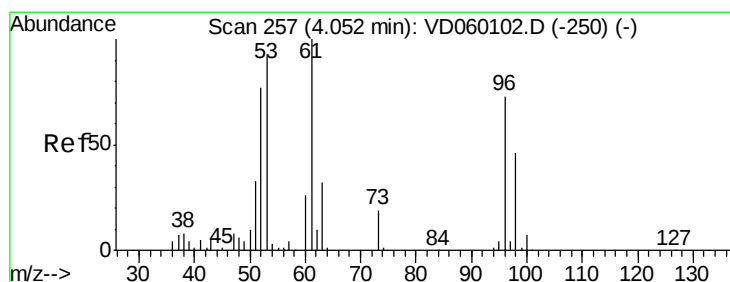
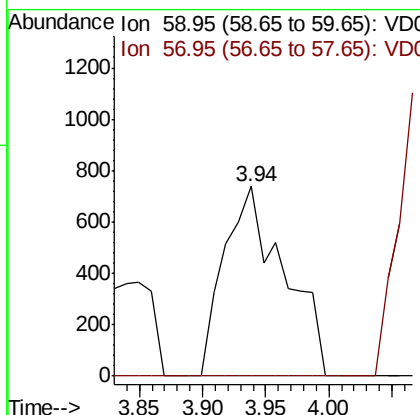
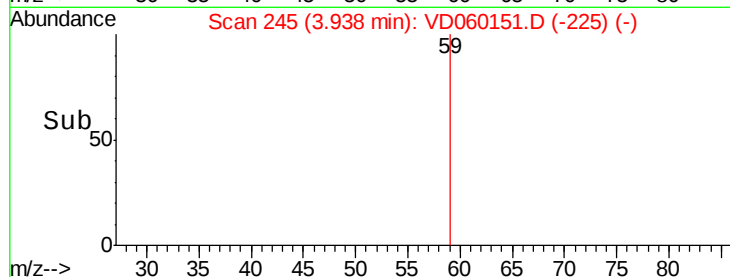
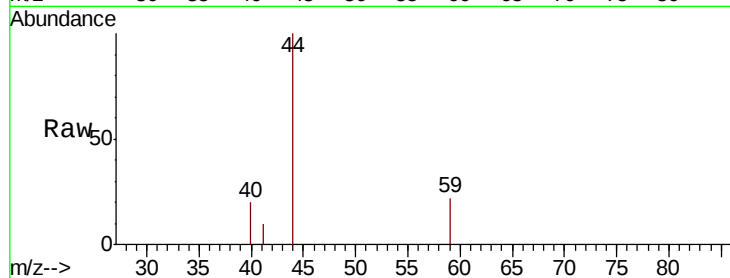


#11

Tert butyl alcohol
 Concen: 3.898 ug/l
 RT: 3.94 min Scan# 245
 Delta R.T. -0.01 min
 Lab File: VD060151.D
 Acq: 9 Oct 2018 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-100818-B

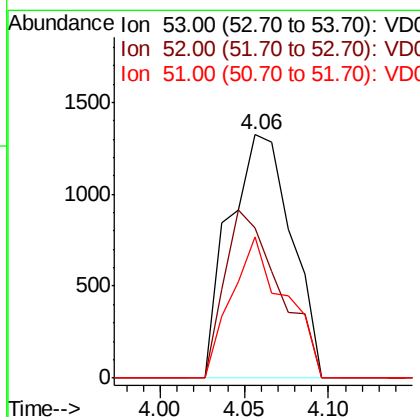
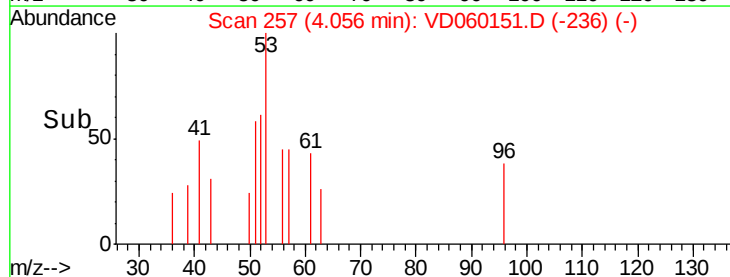
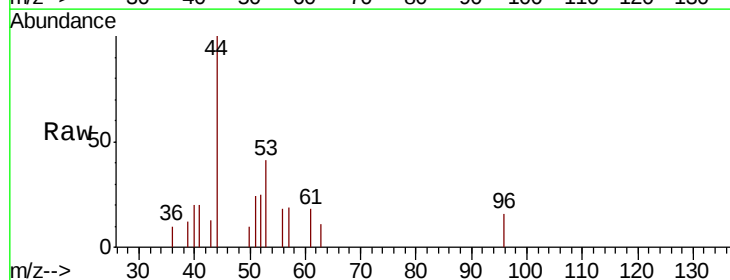
Tot Ion: 59 Resp: 2445
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

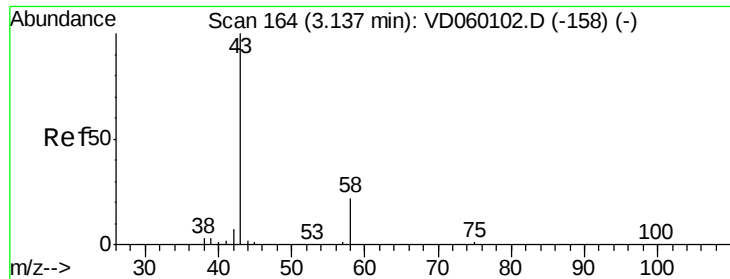


#15

Acrylonitrile
 Concen: 1.306 ug/l
 RT: 4.06 min Scan# 257
 Delta R.T. 0.00 min
 Lab File: VD060151.D
 Acq: 9 Oct 2018 15:16

Tgt Ion: 53 Resp: 3390
 Ion Ratio Lower Upper
 53 100
 52 61.5 67.5 101.3#
 51 58.2 29.3 43.9#





#16

Acetone

Concen: 4.631 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060151.D

Acq: 9 Oct 2018 15:16

Instrument :

MSVOA_D

ClientSampleId :

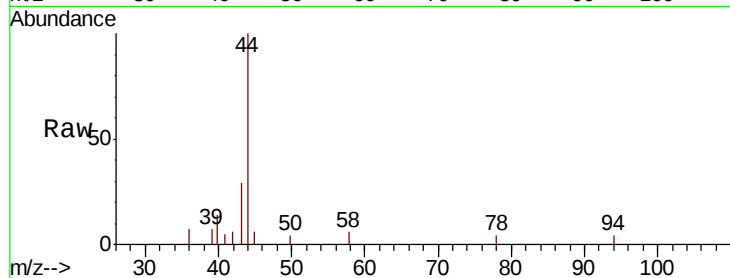
OR-03-100818-B

Tot Ion: 43 Resp: 7349

Ion Ratio Lower Upper

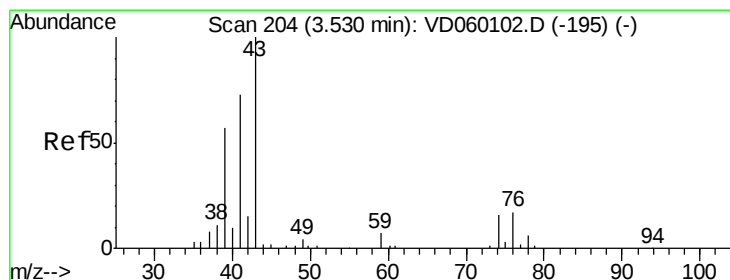
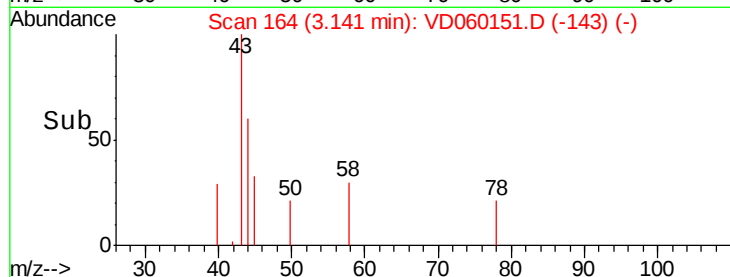
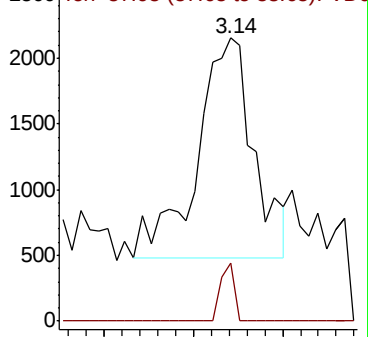
43 100

58 20.3 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.228 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060151.D

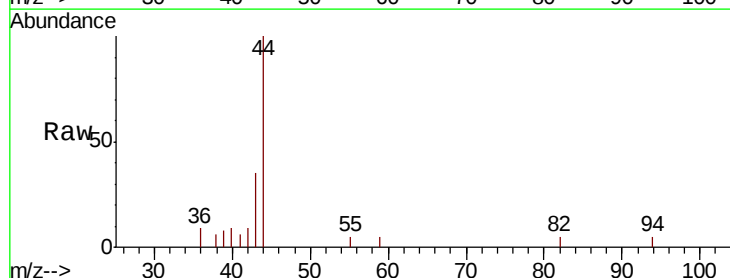
Acq: 9 Oct 2018 15:16

Tgt Ion: 43 Resp: 7601

Ion Ratio Lower Upper

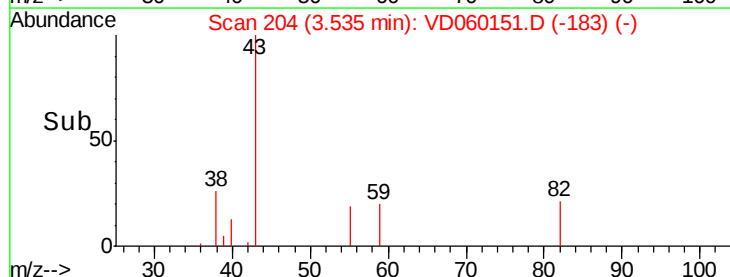
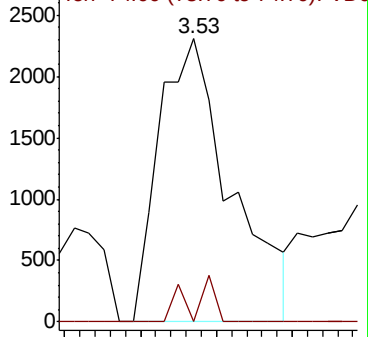
43 100

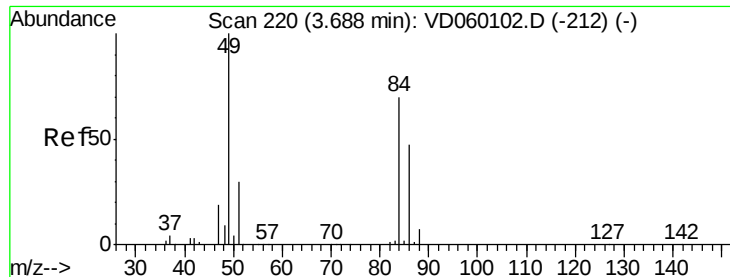
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

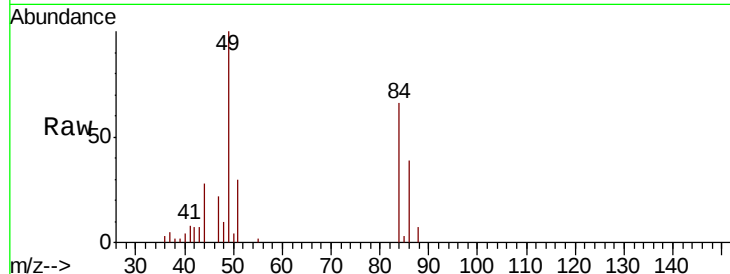




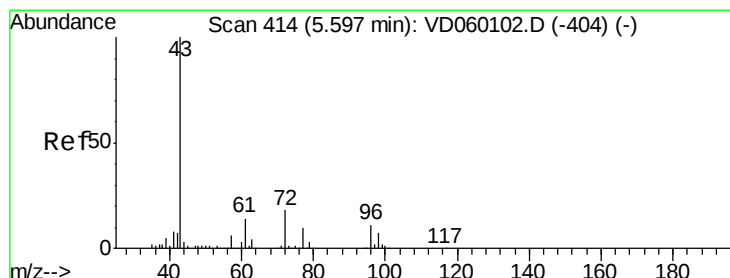
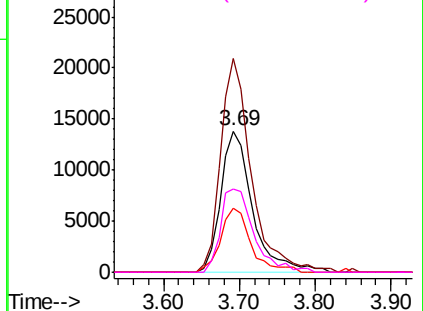
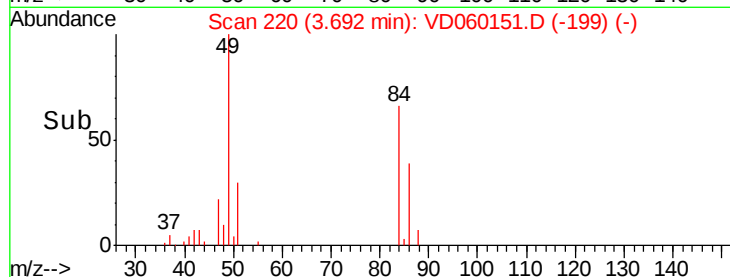
#20
Methvlene Chloride
Concen: Below Cal
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060151.D
Acq: 9 Oct 2018 15:16

Instrument :
MSVOA_D
ClientSampleId :
OR-03-100818-B

Tot Ion: 84 Resp: 40286
Ion Ratio Lower Upper
84 100
49 151.5 114.6 172.0
51 45.4 33.8 50.8
86 58.7 53.3 79.9

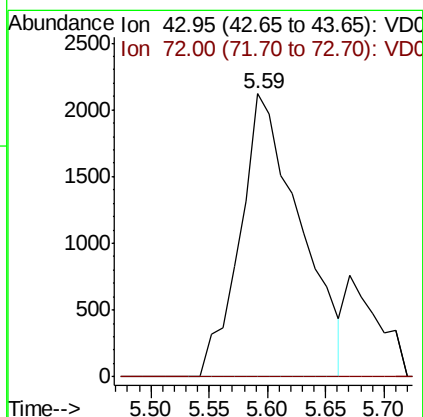
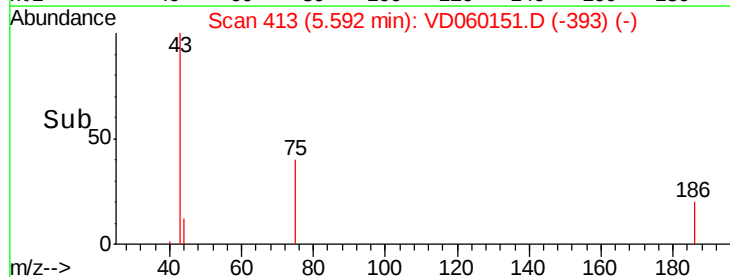
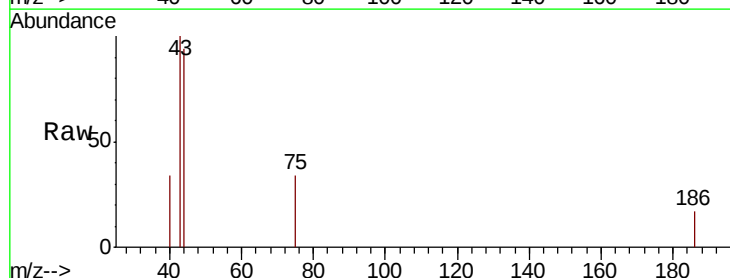


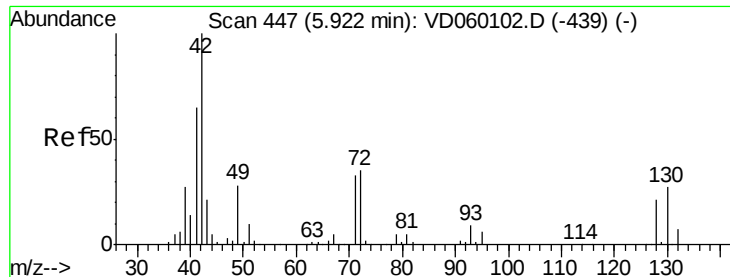
Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 1.903 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.01 min
Lab File: VD060151.D
Acq: 9 Oct 2018 15:16

Tgt Ion: 43 Resp: 7546
Ion Ratio Lower Upper
43 100
72 0.0 14.5 21.7#

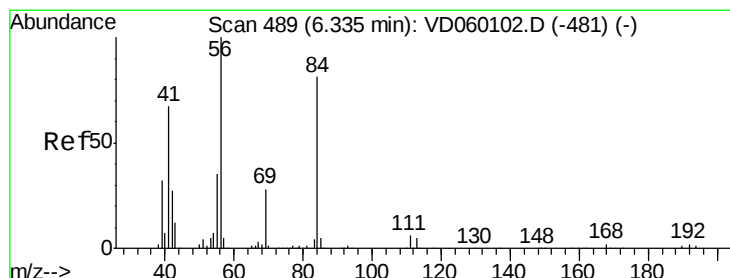
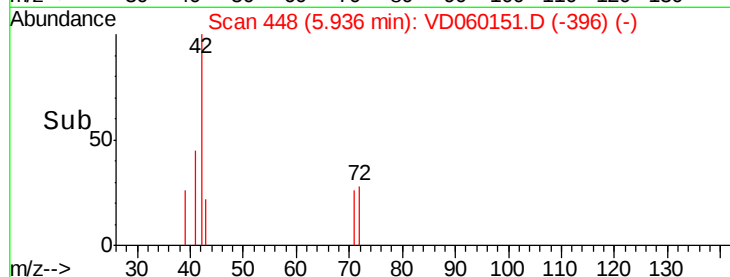
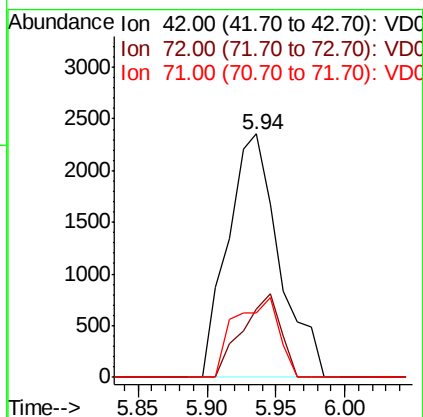
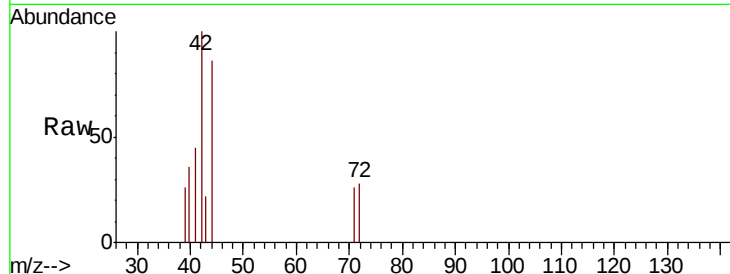




#29
Tetrahydrofuran
Concen: 2.643 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060151.D
Acq: 9 Oct 2018 15:16

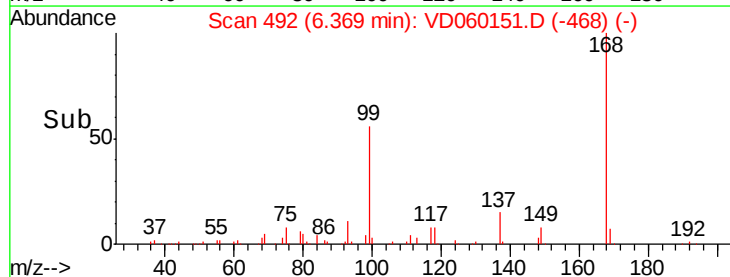
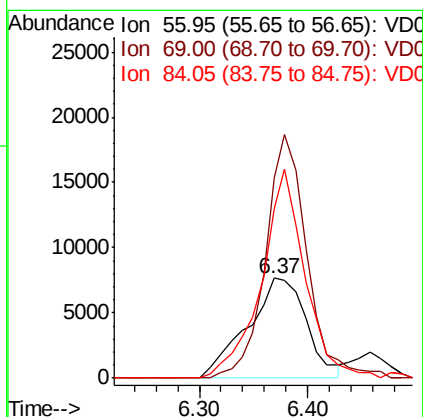
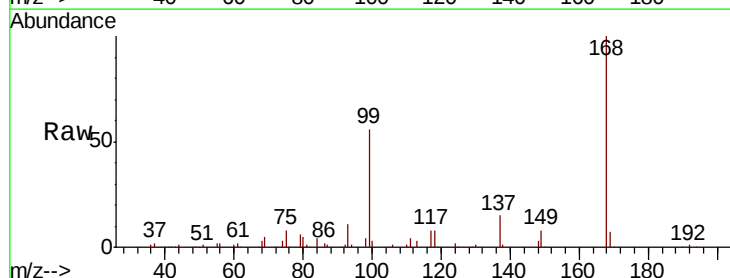
Instrument :
MSVOA_D
ClientSampleId :
OR-03-100818-B

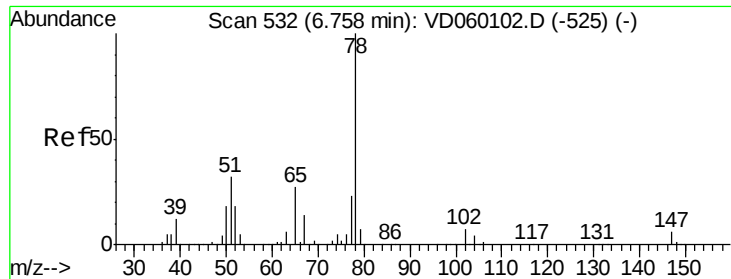
Tot Ion: 42 Resp: 6087
Ion Ratio Lower Upper
42 100
72 25.6 26.9 40.3#
71 28.0 26.7 40.1



#31
Cyclohexane
Concen: 1.529 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060151.D
Acq: 9 Oct 2018 15:16

Tgt Ion: 56 Resp: 28966
Ion Ratio Lower Upper
56 100
69 200.1 22.8 34.2#
84 170.2 64.9 97.3#

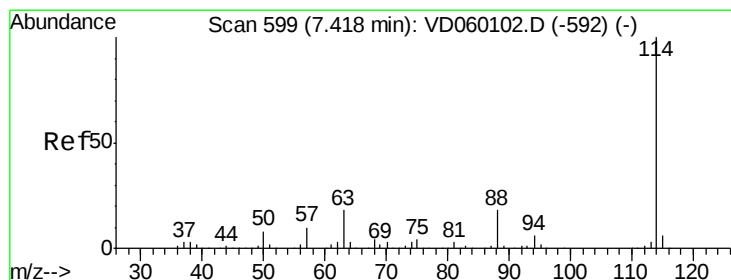
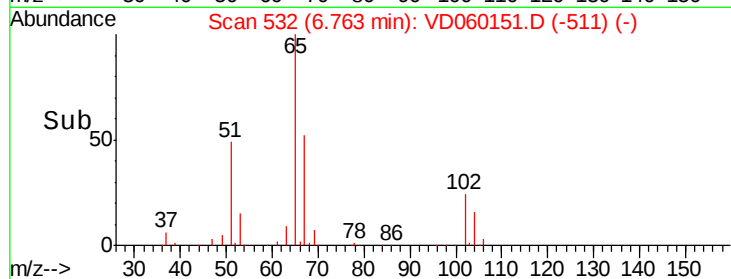
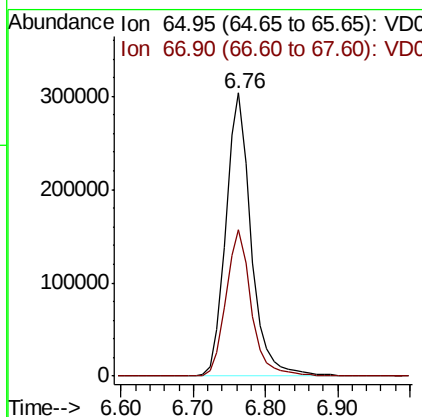
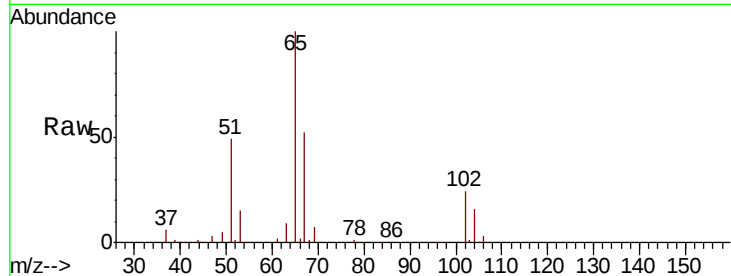




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VD060151.D
 Acq: 9 Oct 2018 15:16

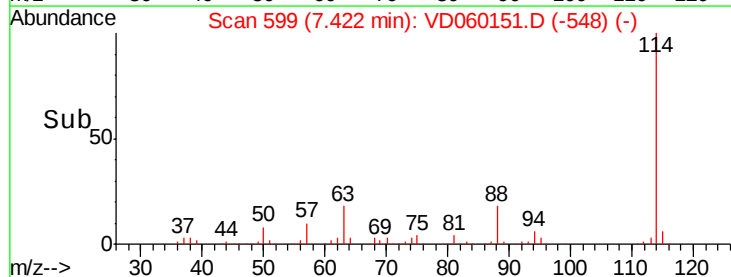
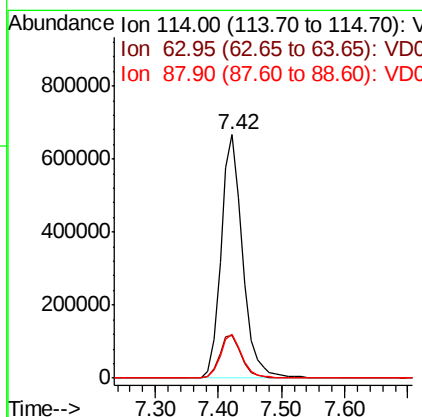
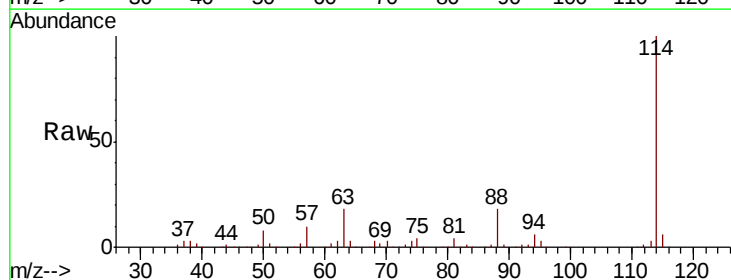
Instrument :
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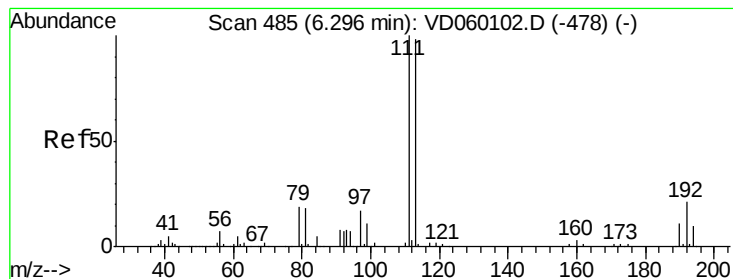
Tot Ion: 65 Resp: 736740
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VD060151.D
 Acq: 9 Oct 2018 15:16

Tgt Ion: 114 Resp: 1582427
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 18.1 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD060151.D

Acq: 9 Oct 2018 15:16

Instrument :

MSVOA_D

ClientSampleId :

OR-03-100818-B

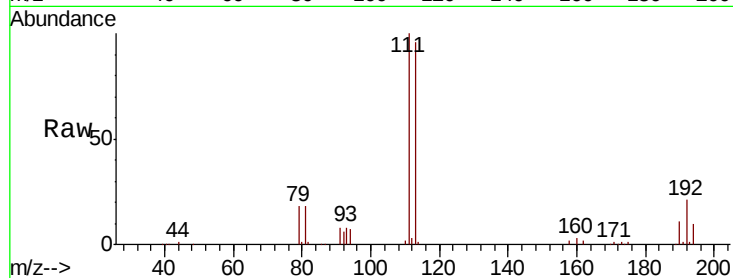
Tot Ion:113 Resp: 907488

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

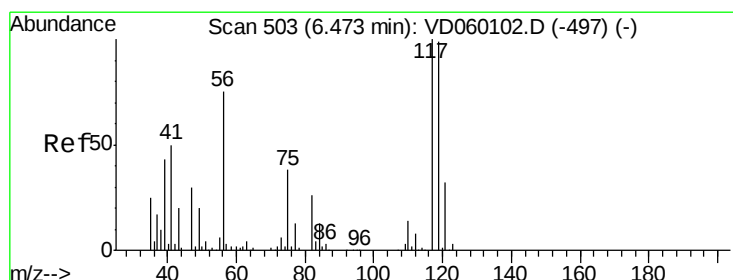
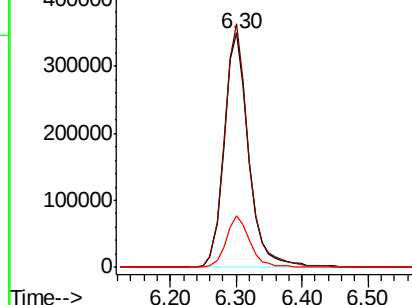
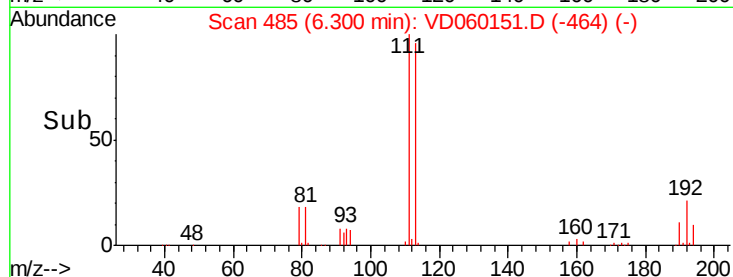
192 22.2 17.4 26.0



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



#38

Carbon Tetrachloride

Concen: 6.643 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.09 min

Lab File: VD060151.D

Acq: 9 Oct 2018 15:16

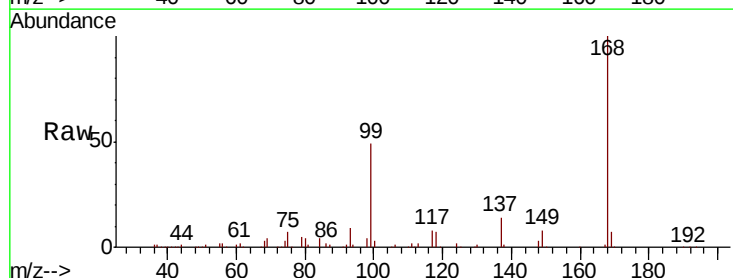
Tgt Ion:117 Resp: 91165

Ion Ratio Lower Upper

117 100

119 3.0 77.8 116.6#

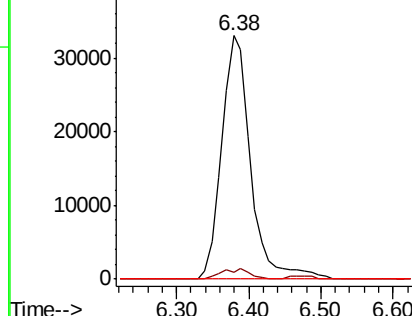
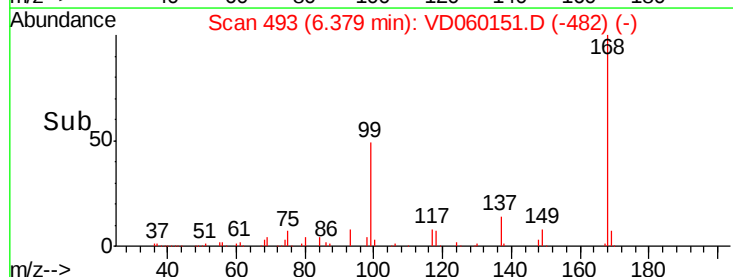
121 0.0 24.8 37.2#

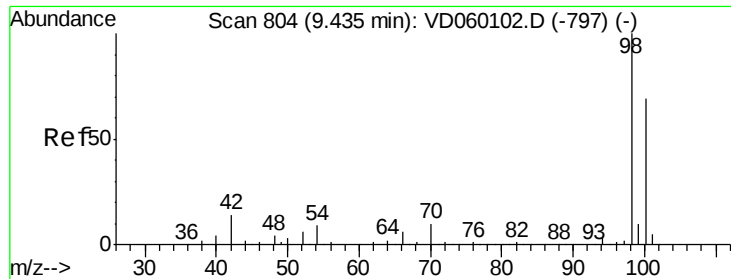


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

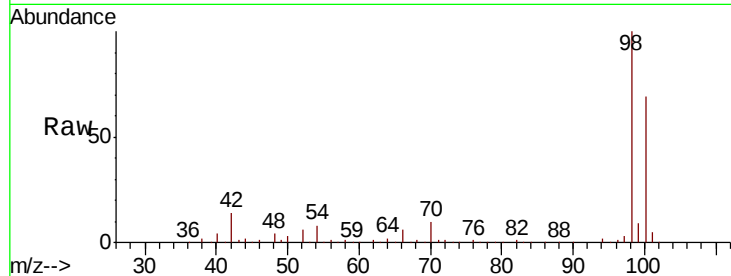




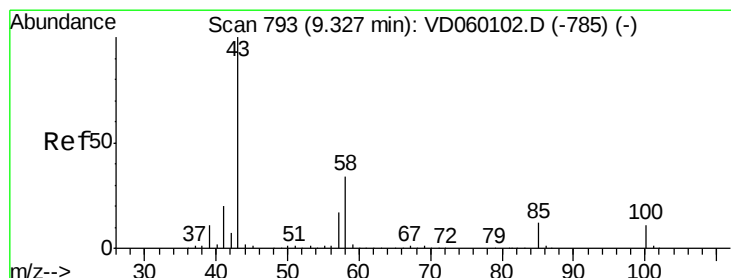
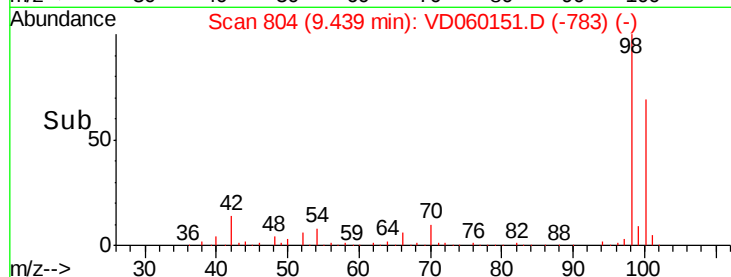
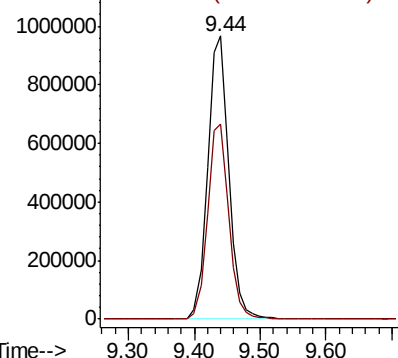
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD060151.D
Acq: 9 Oct 2018 15:16

Instrument :
MSVOA_D
ClientSampleId :
OR-03-100818-B

Tot Ion: 98 Resp: 2159139
Ion Ratio Lower Upper
98 100
100 68.8 55.4 83.0

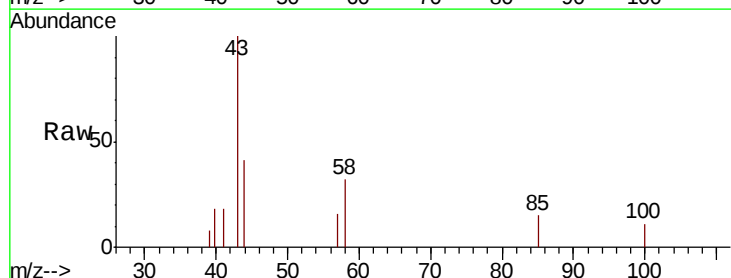


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

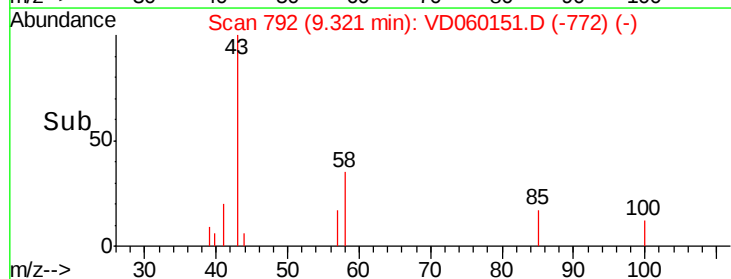
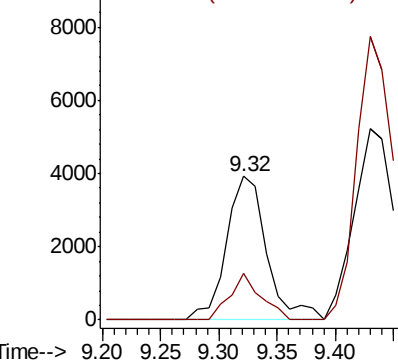


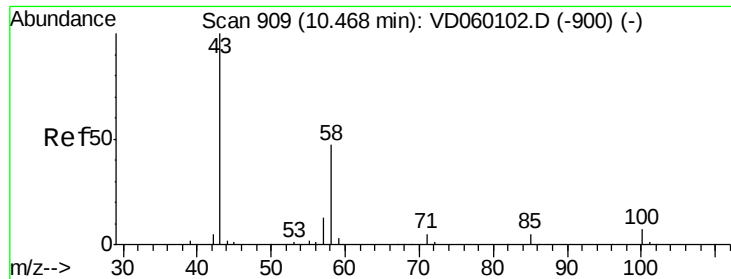
#51
4-Methyl-2-Pentanone
Concen: 1.128 ug/l
RT: 9.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VD060151.D
Acq: 9 Oct 2018 15:16

Tgt Ion: 43 Resp: 9391
Ion Ratio Lower Upper
43 100
58 32.4 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0

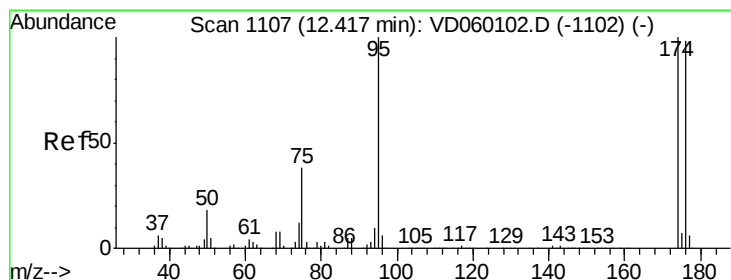
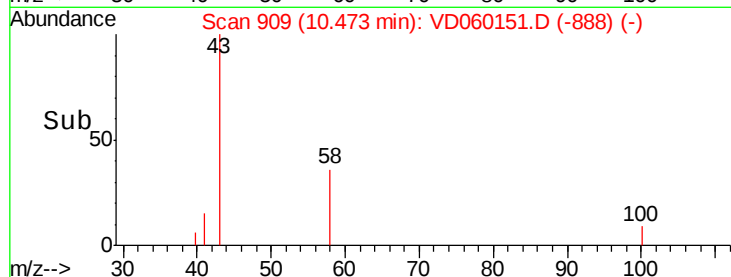
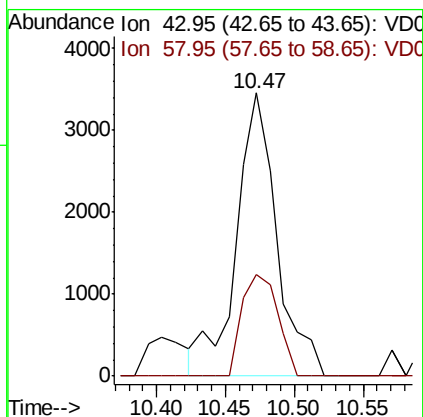
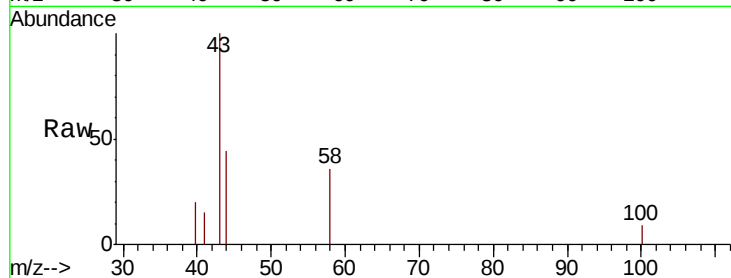




#59
2-Hexanone
Concen: 1.189 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060151.D
Acq: 9 Oct 2018 15:16

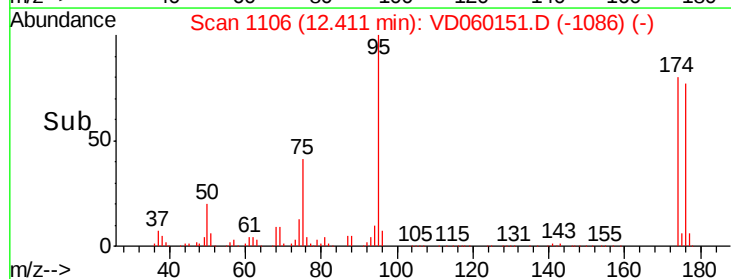
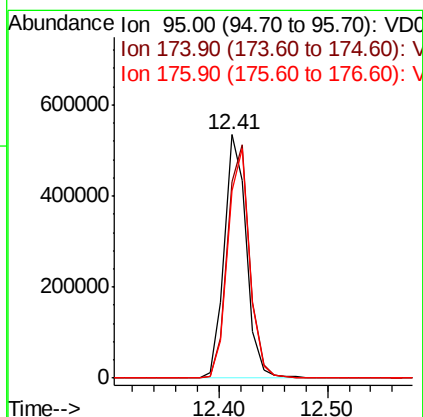
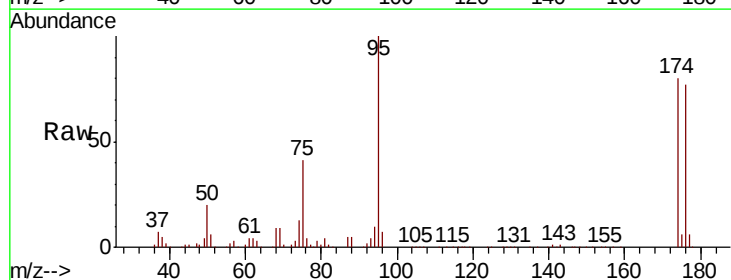
Instrument :
MSVOA_D
ClientSampleId :
OR-03-100818-B

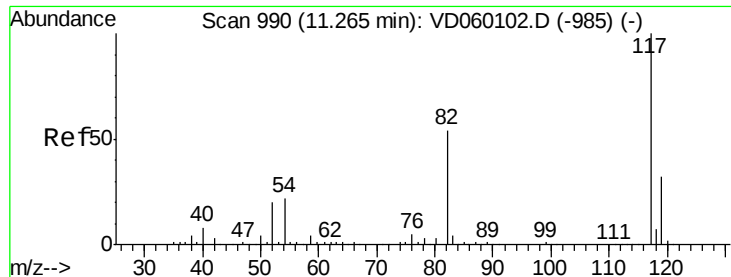
Tot Ion: 43 Resp: 7123
Ion Ratio Lower Upper
43 100
58 36.0 23.3 69.9



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.41 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD060151.D
Acq: 9 Oct 2018 15:16

Tgt Ion: 95 Resp: 757498
Ion Ratio Lower Upper
95 100
174 80.4 0.0 200.2
176 77.1 0.0 195.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VD060151.D

Acq: 9 Oct 2018 15:16

Instrument :

MSVOA_D

ClientSampleId :

OR-03-100818-B

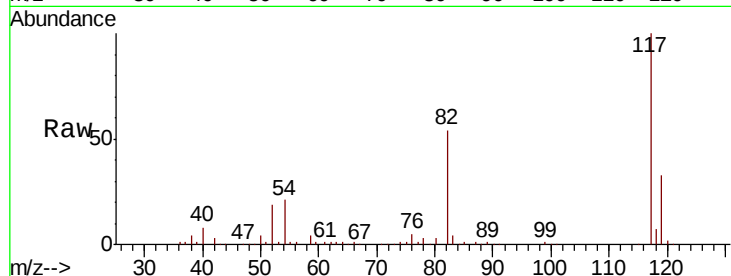
Tot Ion:117 Resp: 1169631

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.2

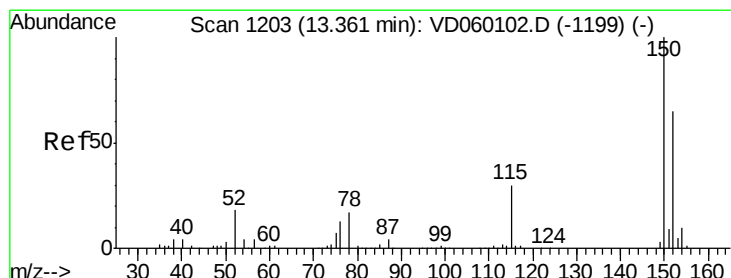
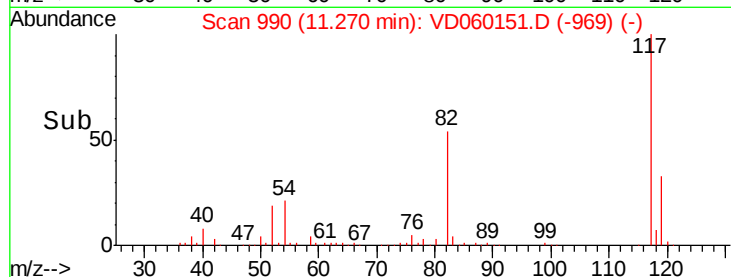
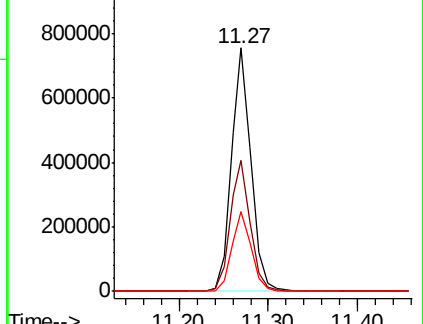
119 32.7 26.0 39.0



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: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060151.D

Acq: 9 Oct 2018 15:16

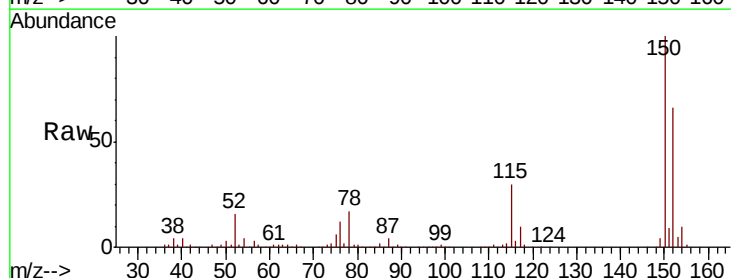
Tgt Ion:152 Resp: 483404

Ion Ratio Lower Upper

152 100

115 45.7 27.1 81.2

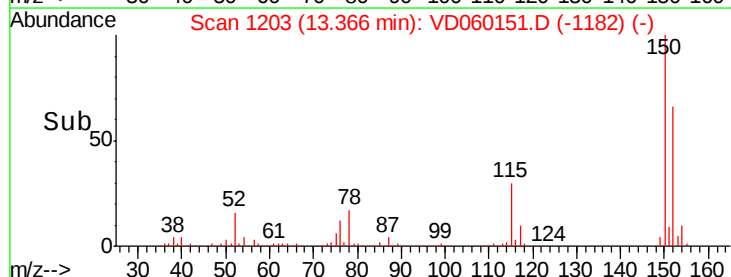
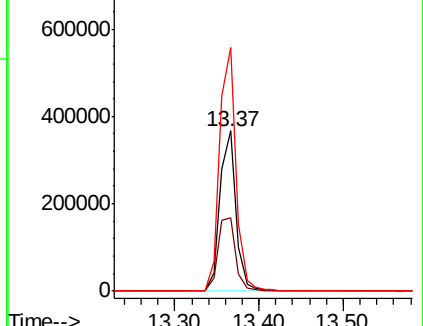
150 152.1 0.0 311.8

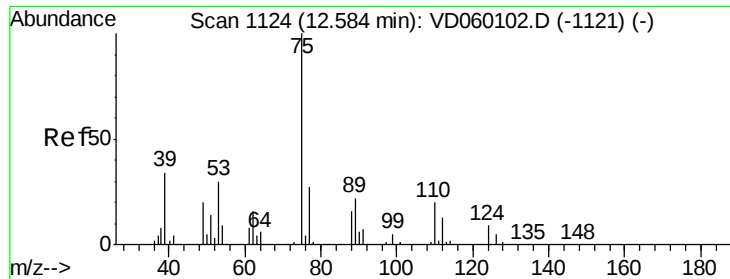


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

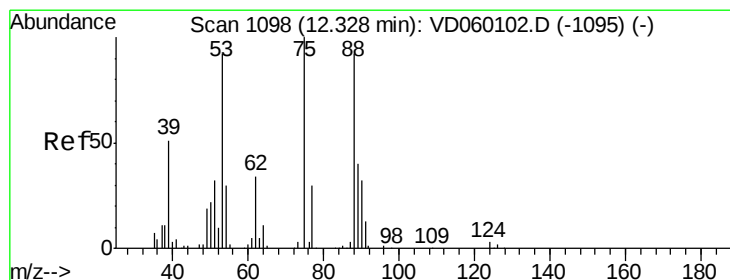
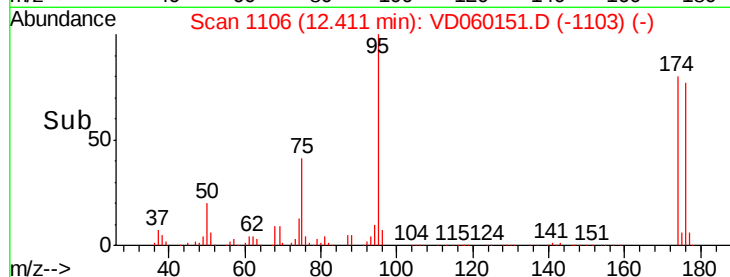
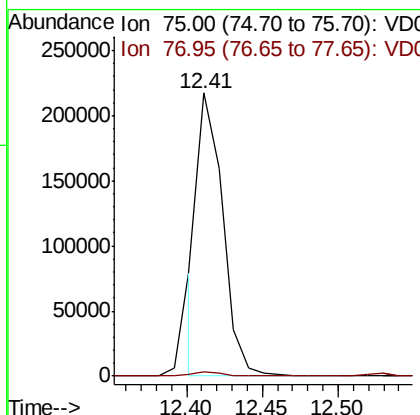
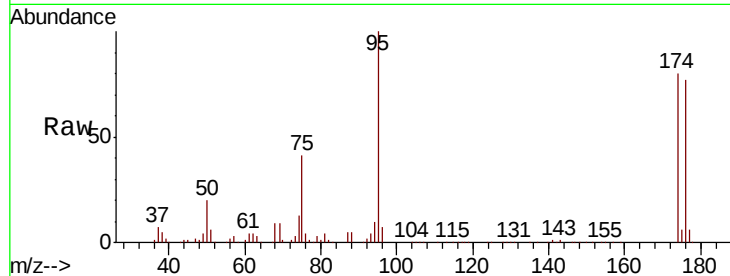




#76
 1,2,3-Trichloropropane
 Concen: 36.033 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. -0.17 min
 Lab File: VD060151.D
 Acq: 9 Oct 2018 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-100818-B

Tot Ion: 75 Resp: 250846
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.3 48.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.067 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. 0.08 min
 Lab File: VD060151.D
 Acq: 9 Oct 2018 15:16

Tgt Ion: 75 Resp: 301374
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#

