

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060181.D
 Acq On : 24 Oct 2018 14:54
 Operator : JC/SY
 Sample : J5200-13
 Misc : 6.37g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-102318-A

Quant Time: Oct 25 04:37:35 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	6.40	168	1685073	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2485269	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1795028	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	696214	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	725605	56.81	ug/l	0.02
Spiked Amount			Recovery	=	113.62%	
35) Dibromofluoromethane	6.31	113	911694	48.31	ug/l	0.02
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	9.45	98	2344318	43.56	ug/l	0.02
Spiked Amount			Recovery	=	87.12%	
62) 4-Bromofluorobenzene	12.43	95	778280	38.62	ug/l	0.00
Spiked Amount			Recovery	=	77.24%	

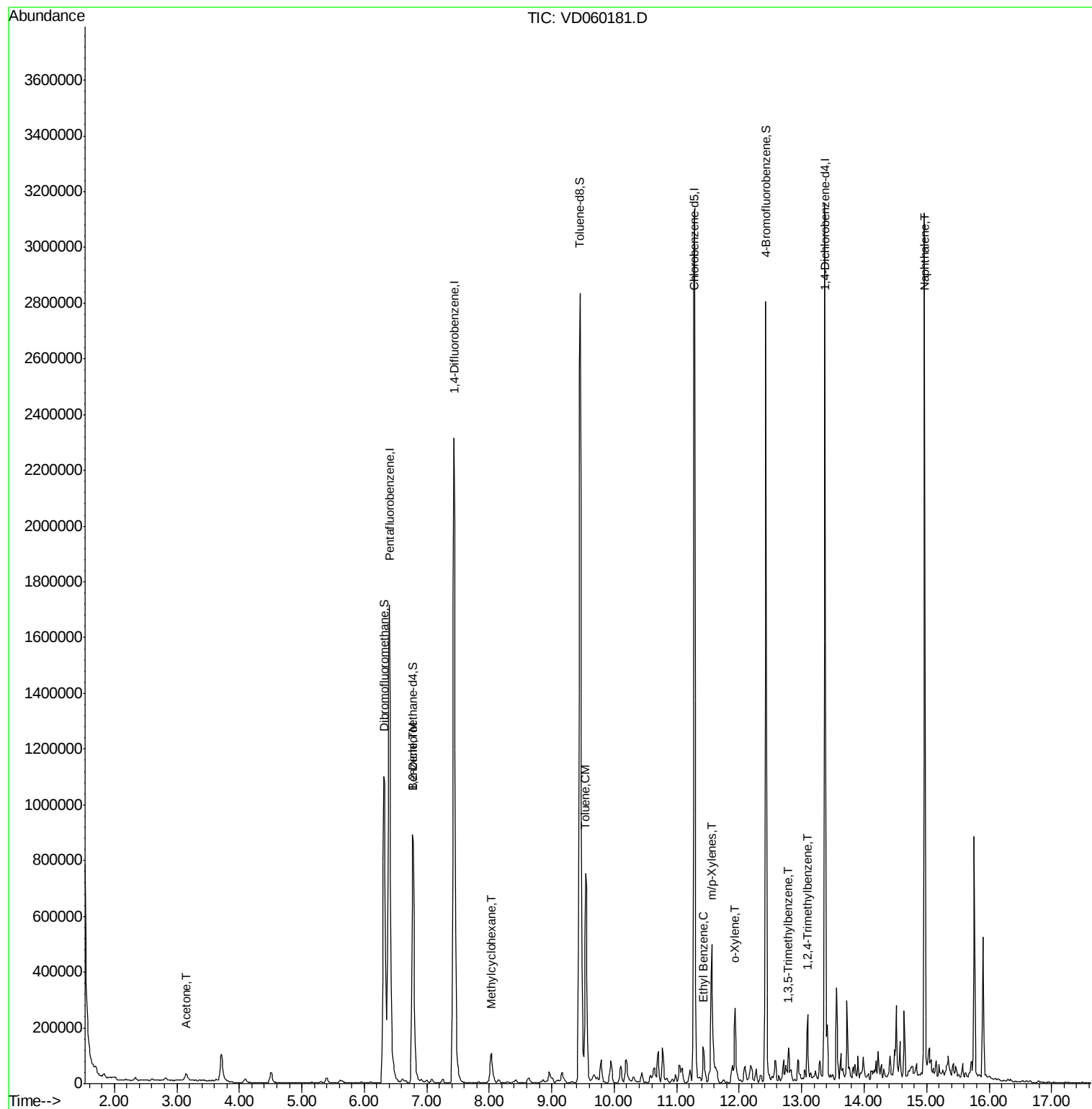
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.15	43	58066	25.053	ug/l	98
39) Methylcyclohexane	8.04	83	51630	1.913	ug/l	97
40) Benzene	6.79	78	79408	1.278	ug/l	97
52) Toluene	9.54	92	394273	9.853	ug/l	97
67) Ethyl Benzene	11.42	91	85717	1.362	ug/l	98
68) m/p-Xylenes	11.56	106	137612	5.854	ug/l	96
69) o-Xylene	11.93	106	57415	2.469	ug/l	90
80) 1,3,5-Trimethylbenzene	12.79	105	43897	1.235	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	107077	2.858	ug/l	95
95) Naphthalene	14.96	128	1766648	71.813	ug/l	100

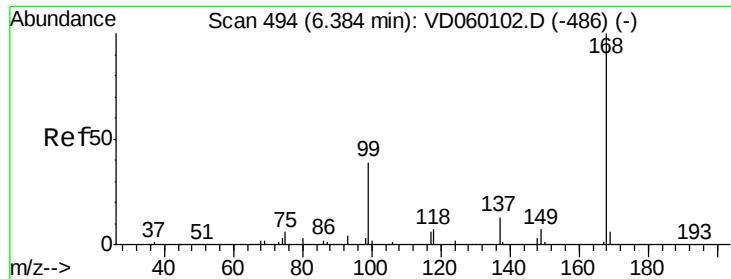
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
Data File : VD060181.D
Acq On : 24 Oct 2018 14:54
Operator : JC/SY
Sample : J5200-13
Misc : 6.37g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102318-A

Quant Time: Oct 25 04:37:35 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



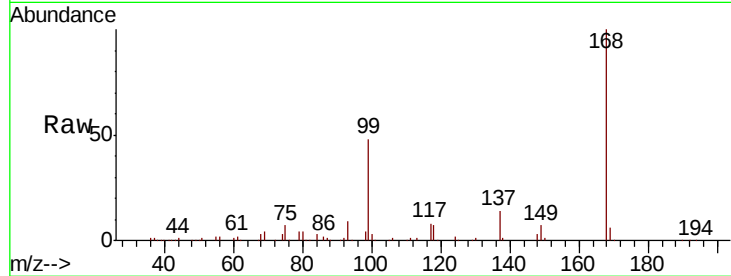


#1

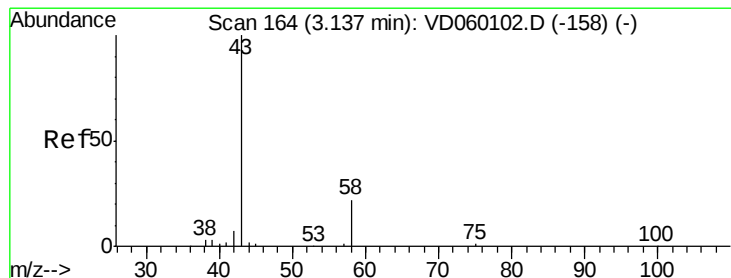
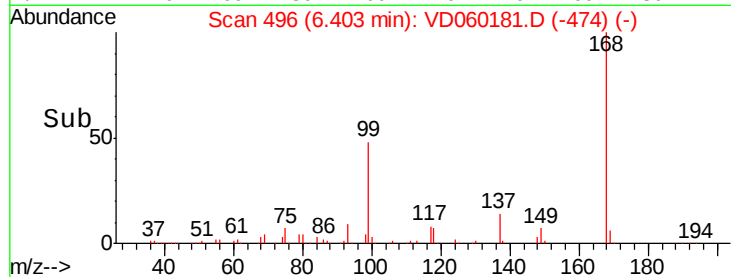
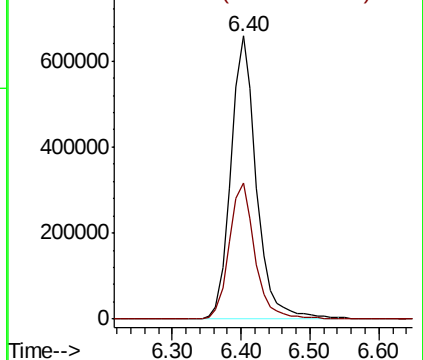
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. 0.02 min
 Lab File: VD060181.D
 Acq: 24 Oct 2018 14:54

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-102318-A

Tot Ion:168 Resp: 1685073
 Ion Ratio Lower Upper
 168 100
 99 48.1 35.4 53.0



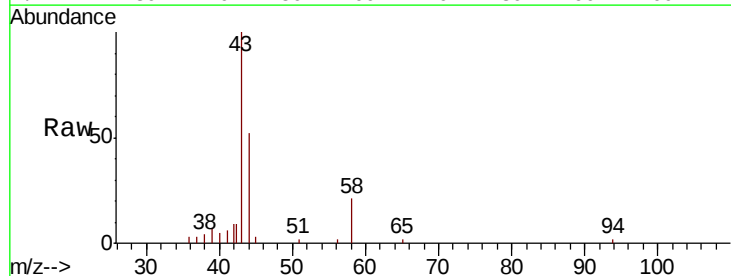
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



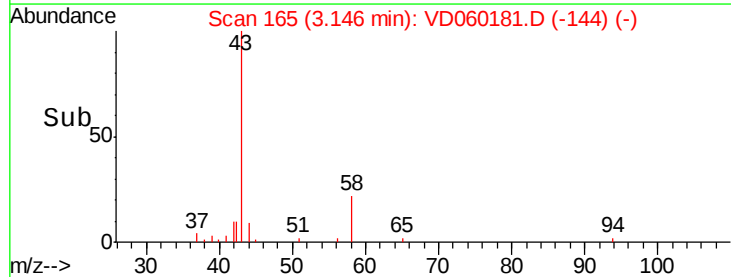
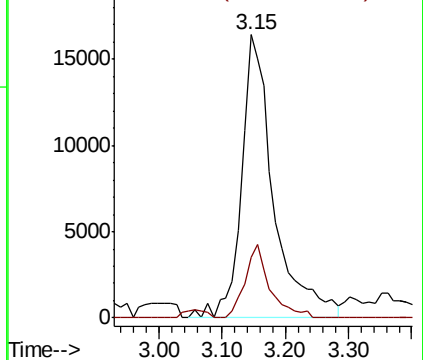
#16

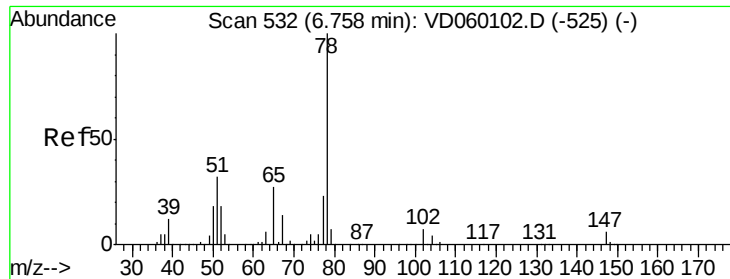
Acetone
 Concen: 25.053 ug/l
 RT: 3.15 min Scan# 165
 Delta R.T. 0.01 min
 Lab File: VD060181.D
 Acq: 24 Oct 2018 14:54

Tgt Ion: 43 Resp: 58066
 Ion Ratio Lower Upper
 43 100
 58 21.2 17.7 26.5



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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060181.D

Acq: 24 Oct 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

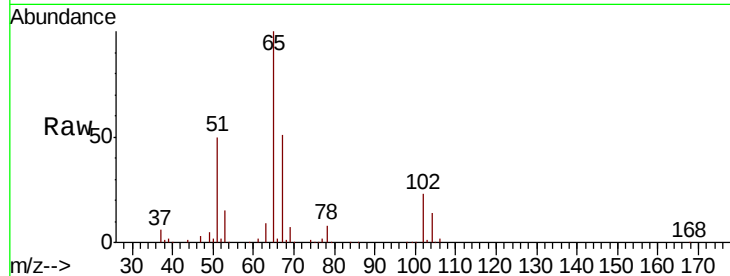
OR-02-102318-A

Tot Ion: 65 Resp: 725605

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

300000

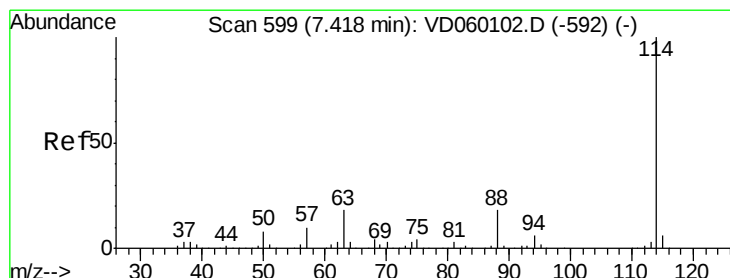
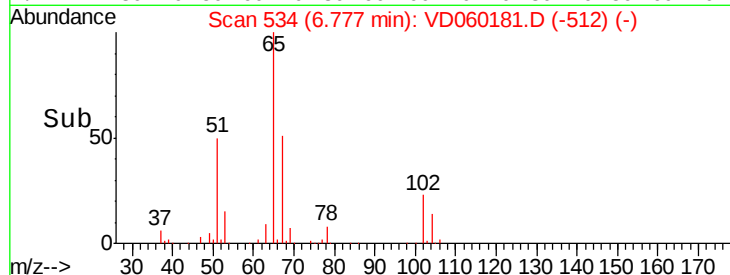
200000

100000

0

Time-->

6.70 6.80 6.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060181.D

Acq: 24 Oct 2018 14:54

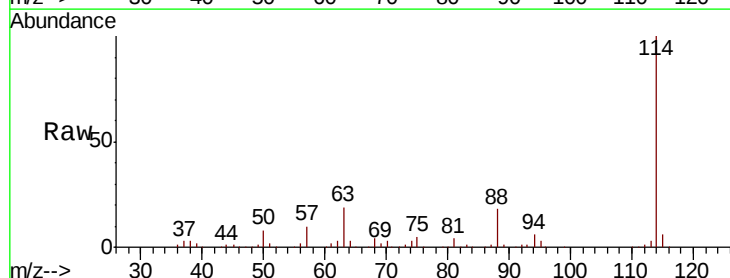
Tgt Ion: 114 Resp: 2485269

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.0

88 17.9 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.44

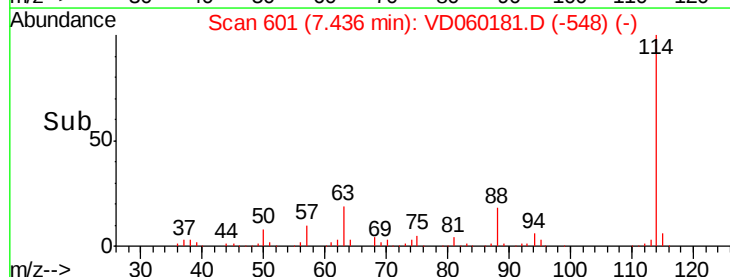
1000000

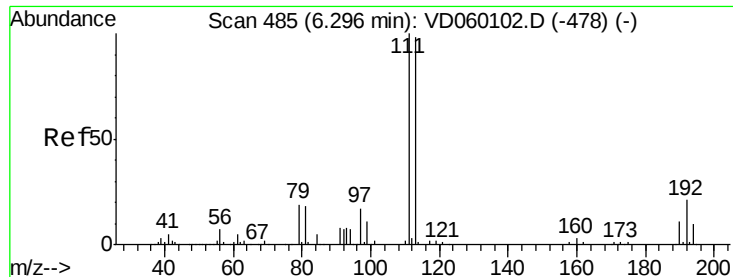
500000

0

Time-->

7.40 7.60

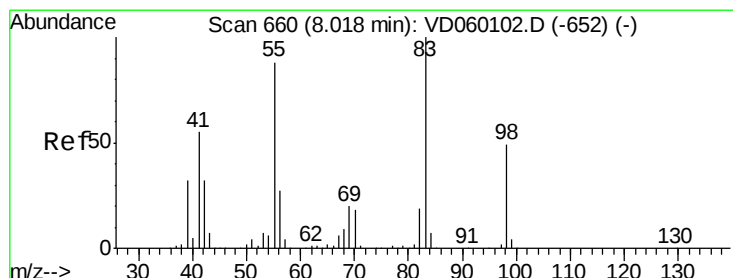
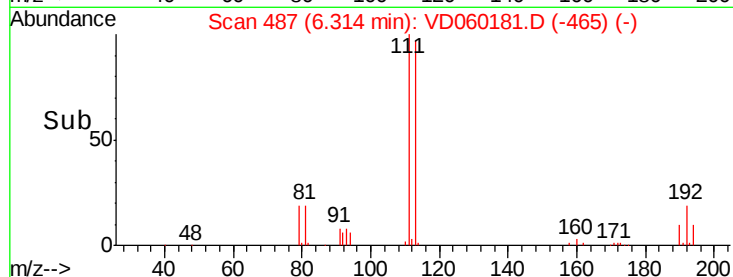
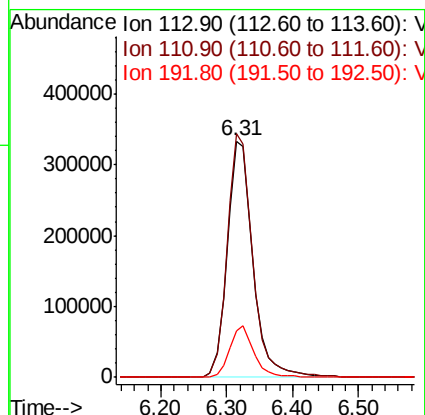
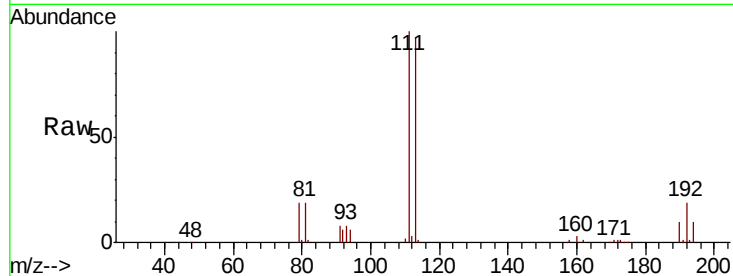




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.31 min Scan# 487
Delta R.T. 0.02 min
Lab File: VD060181.D
Acq: 24 Oct 2018 14:54

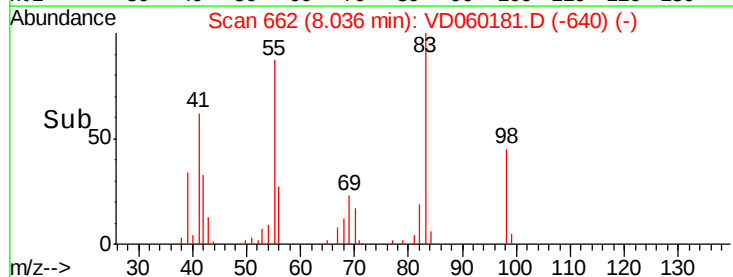
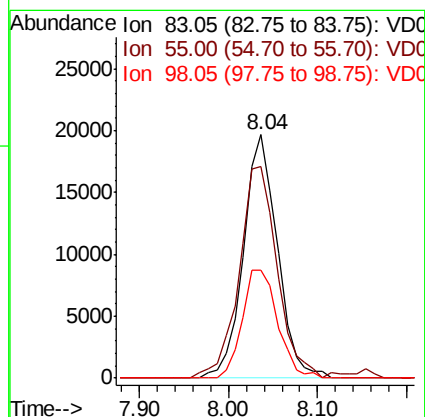
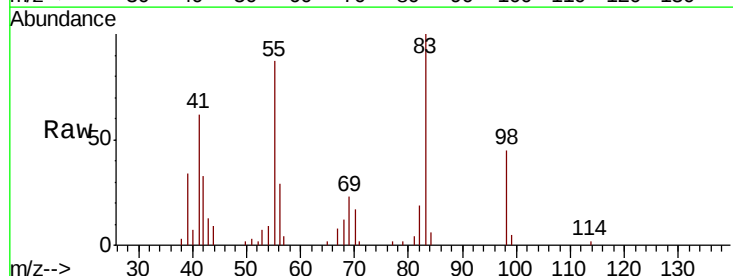
Instrument :
MSVOA_D
ClientSampleId :
OR-02-102318-A

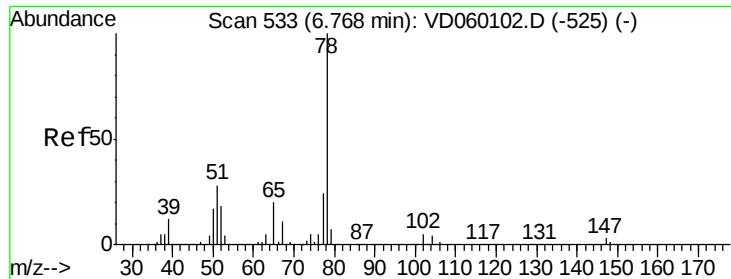
Tot Ion:113 Resp: 911694
Ion Ratio Lower Upper
113 100
111 103.0 81.5 122.3
192 19.7 17.4 26.0



#39
Methylcyclohexane
Concen: 1.913 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060181.D
Acq: 24 Oct 2018 14:54

Tgt Ion: 83 Resp: 51630
Ion Ratio Lower Upper
83 100
55 86.8 70.5 105.7
98 44.6 39.4 59.2





#40

Benzene

Concen: 1.278 ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD060181.D

Acq: 24 Oct 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

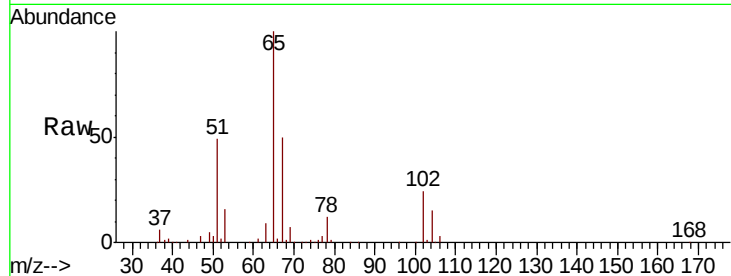
OR-02-102318-A

Tot Ion: 78 Resp: 79408

Ion Ratio Lower Upper

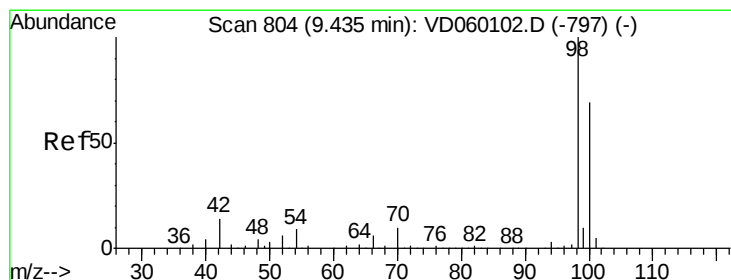
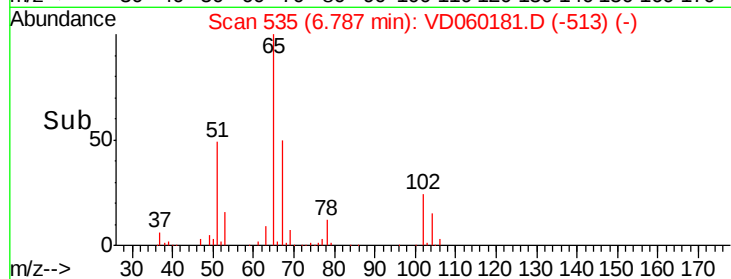
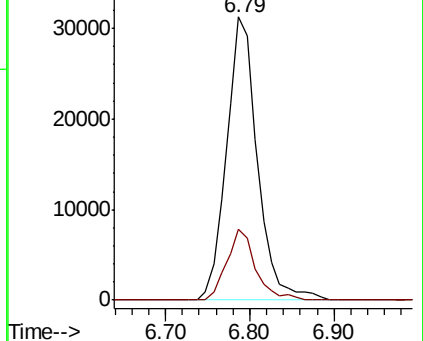
78 100

77 25.3 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060181.D

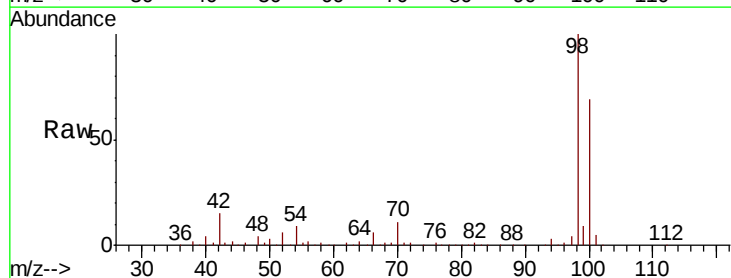
Acq: 24 Oct 2018 14:54

Tgt Ion: 98 Resp: 2344318

Ion Ratio Lower Upper

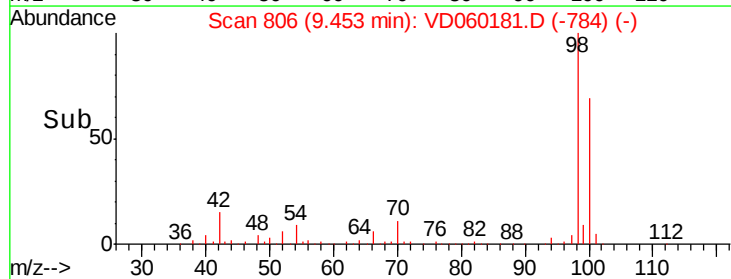
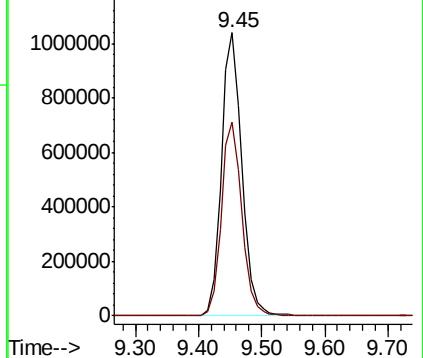
98 100

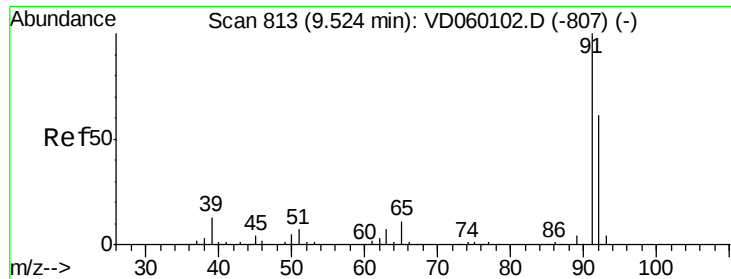
100 68.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 9.853 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060181.D

Acq: 24 Oct 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

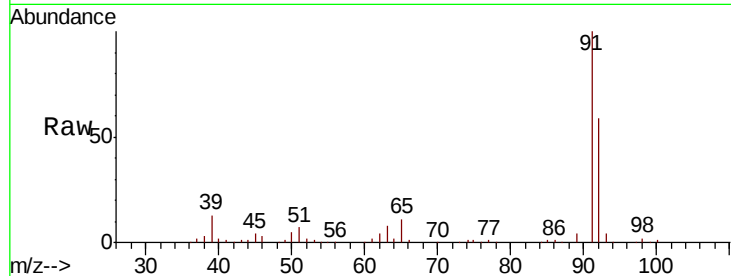
OR-02-102318-A

Tot Ion: 92 Resp: 394273

Ion Ratio Lower Upper

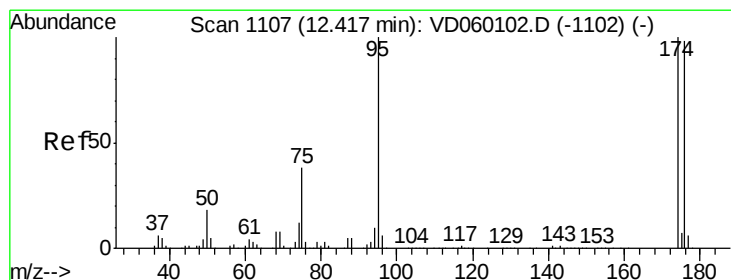
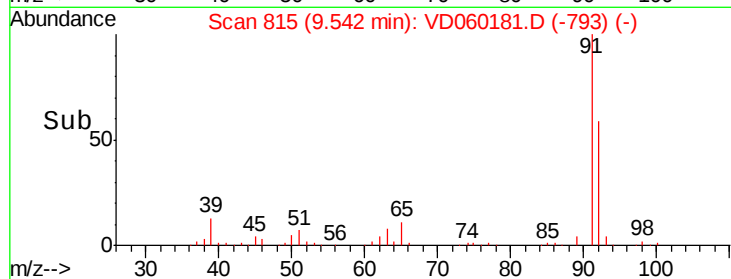
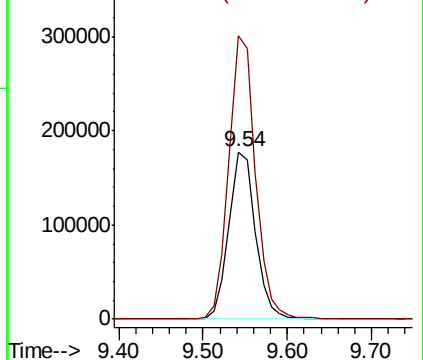
92 100

91 169.4 131.9 197.9



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: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060181.D

Acq: 24 Oct 2018 14:54

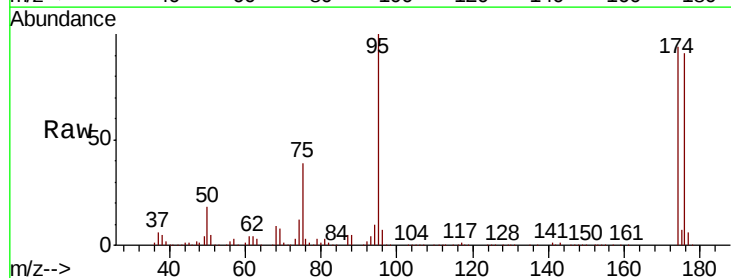
Tgt Ion: 95 Resp: 778280

Ion Ratio Lower Upper

95 100

174 94.3 0.0 200.2

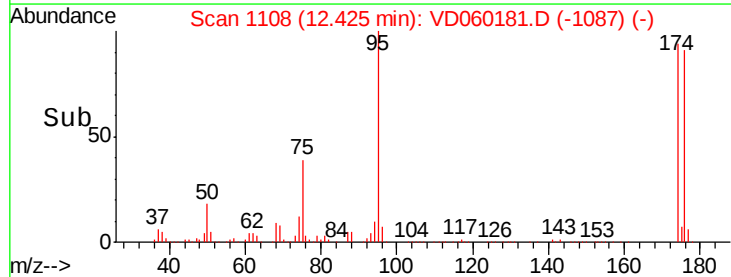
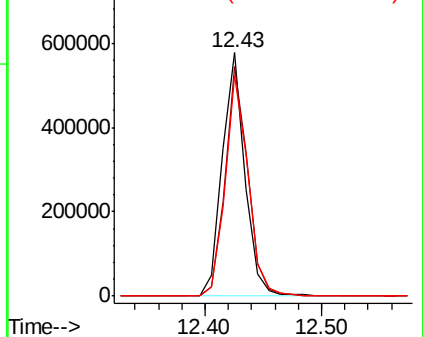
176 90.5 0.0 195.6

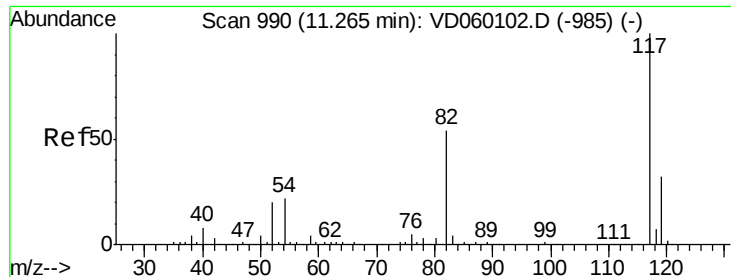


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

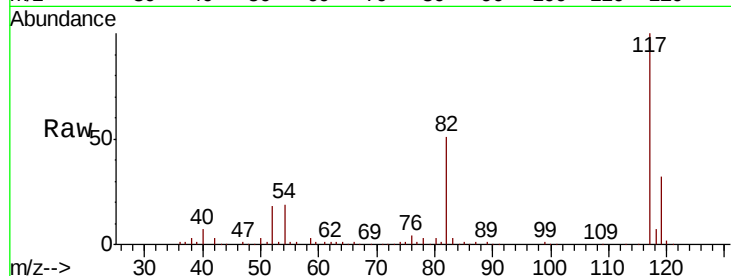




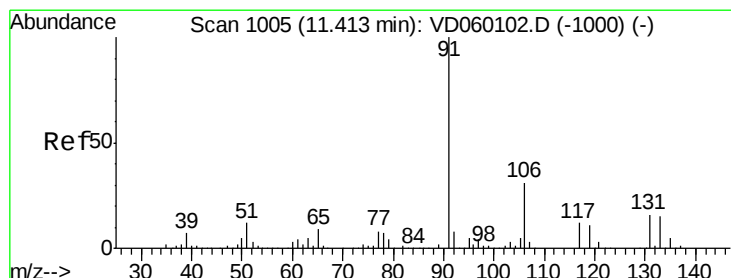
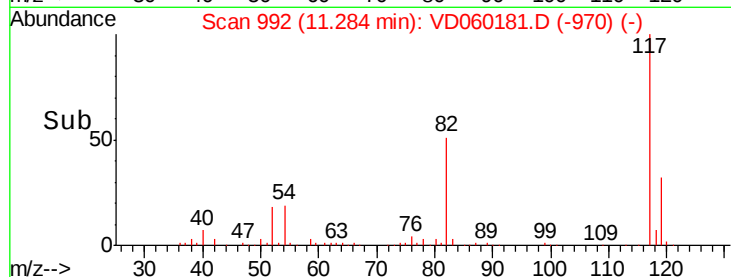
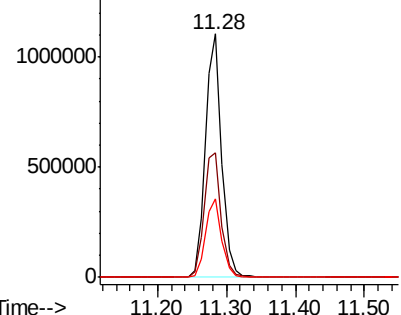
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060181.D
Acq: 24 Oct 2018 14:54

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102318-A

Tot Ion:117 Resp: 1795028
Ion Ratio Lower Upper
117 100
82 51.0 43.4 65.2
119 32.3 26.0 39.0

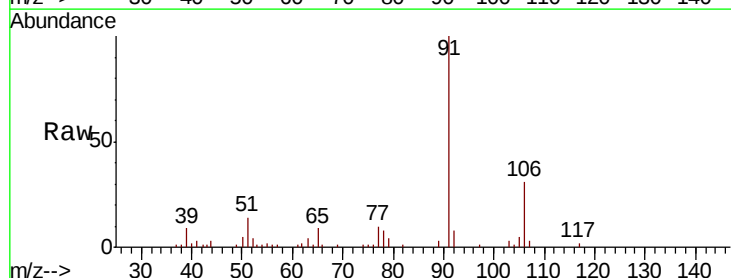


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

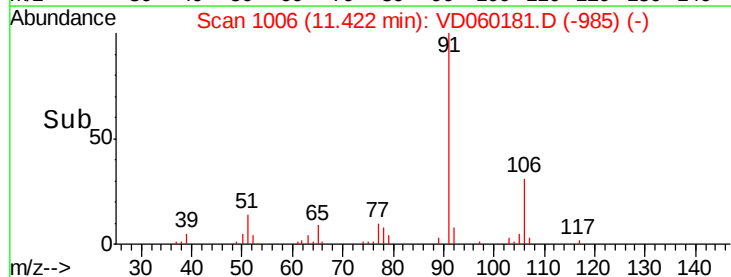
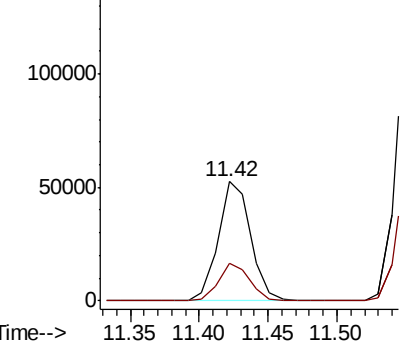


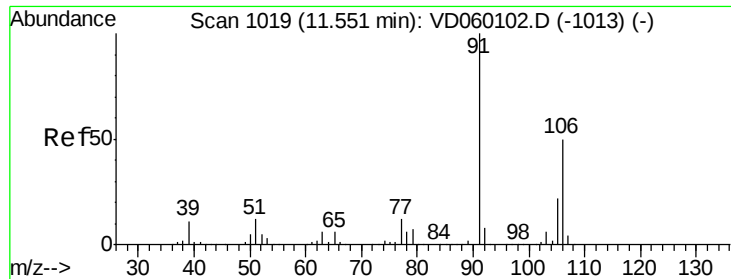
#67
Ethyl Benzene
Concen: 1.362 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060181.D
Acq: 24 Oct 2018 14:54

Tgt Ion: 91 Resp: 85717
Ion Ratio Lower Upper
91 100
106 31.4 24.4 36.6



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

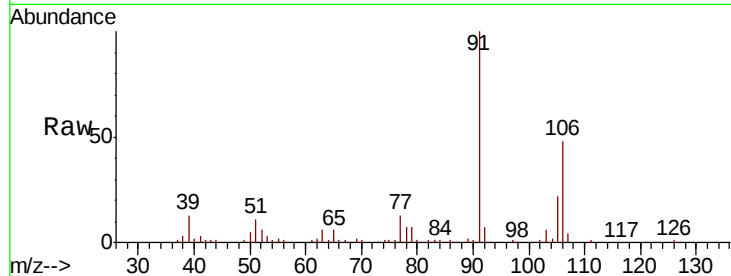




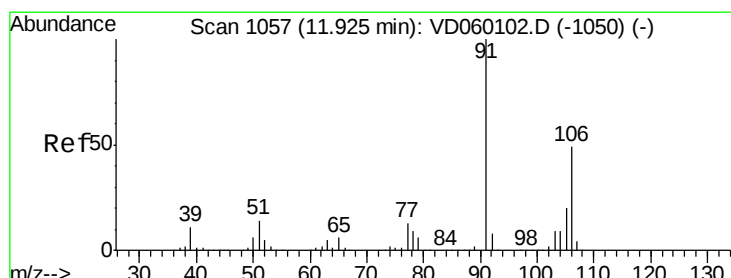
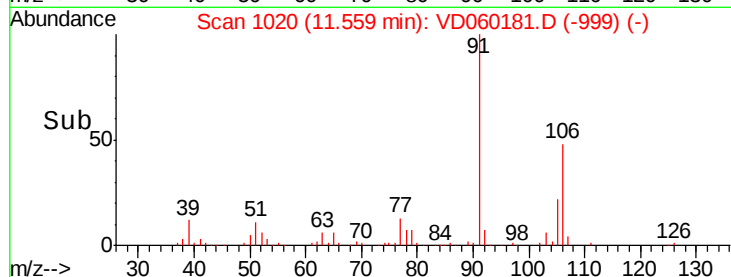
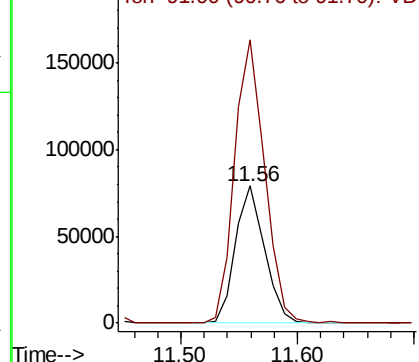
#68
m/p-Xylenes
Concen: 5.854 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060181.D
Acq: 24 Oct 2018 14:54

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102318-A

Tot Ion:106 Resp: 137612
Ion Ratio Lower Upper
106 100
91 206.2 160.0 240.0

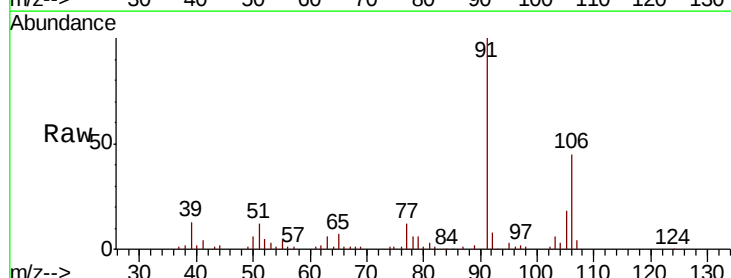


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

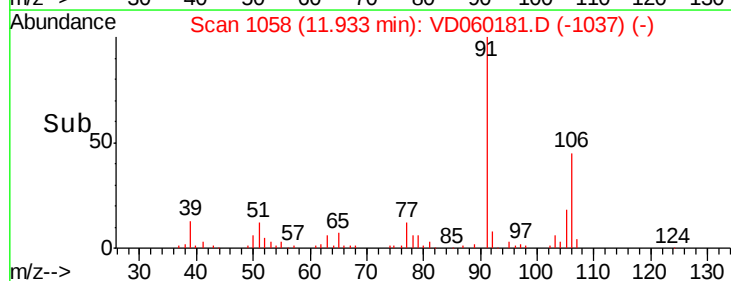
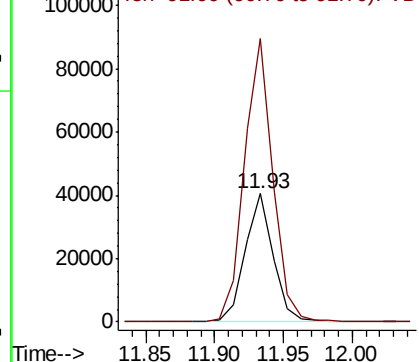


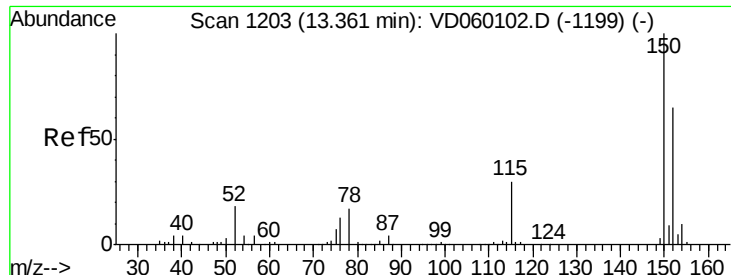
#69
o-Xylene
Concen: 2.469 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060181.D
Acq: 24 Oct 2018 14:54

Tgt Ion:106 Resp: 57415
Ion Ratio Lower Upper
106 100
91 220.9 102.5 307.5



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060181.D

Acq: 24 Oct 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

OR-02-102318-A

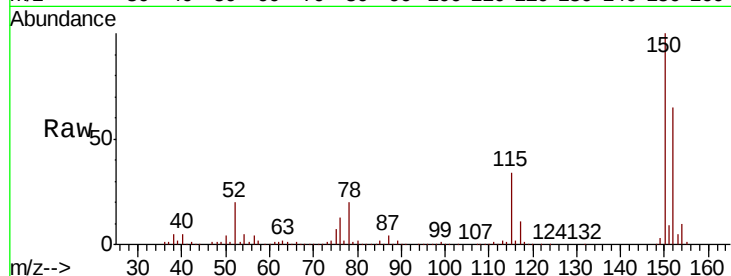
Tot Ion:152 Resp: 696214

Ion Ratio Lower Upper

152 100

115 53.1 27.1 81.2

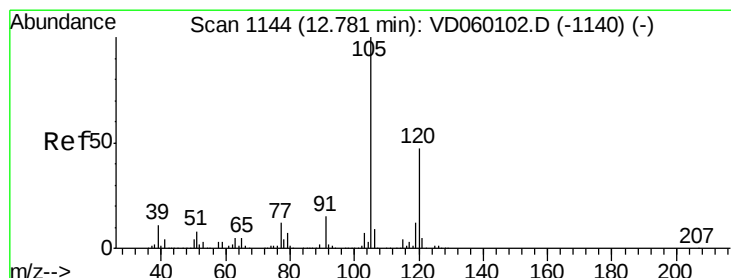
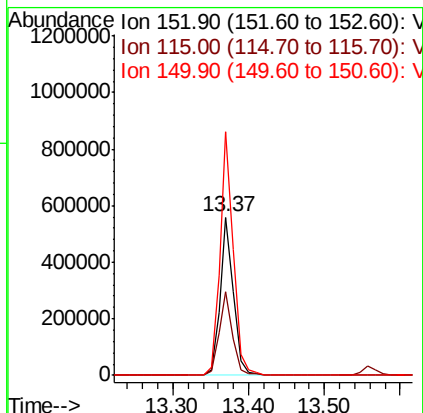
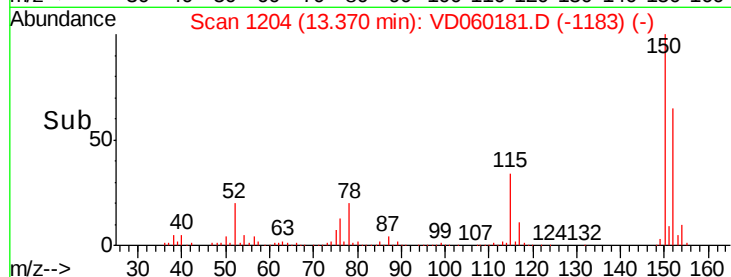
150 154.1 0.0 311.8



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



#80

1,3,5-Trimethylbenzene

Concen: 1.235 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060181.D

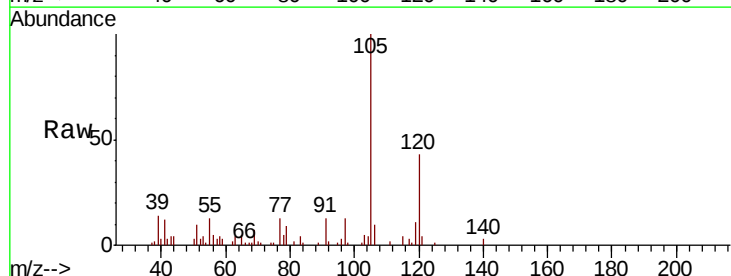
Acq: 24 Oct 2018 14:54

Tgt Ion:105 Resp: 43897

Ion Ratio Lower Upper

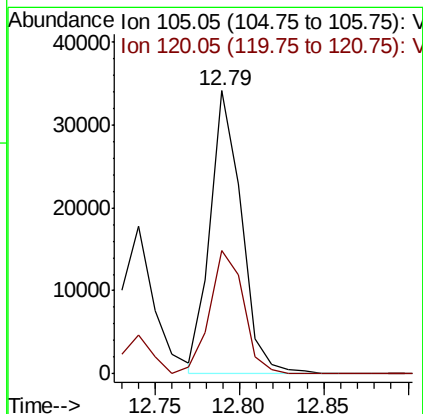
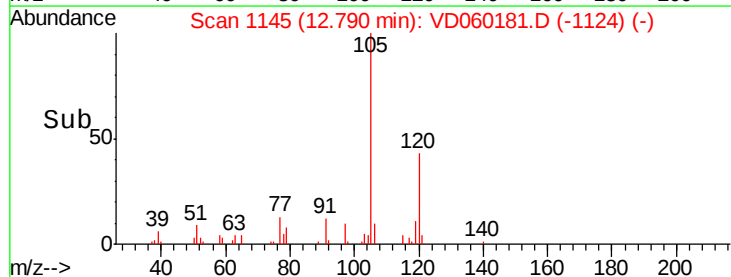
105 100

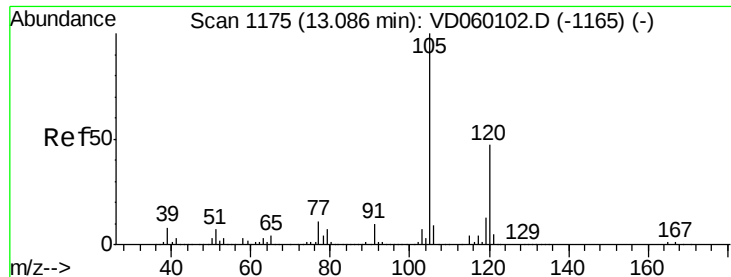
120 43.4 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#84

1,2,4-Trimethylbenzene

Concen: 2.858 ug/l

RT: 13.09 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VD060181.D

Acq: 24 Oct 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

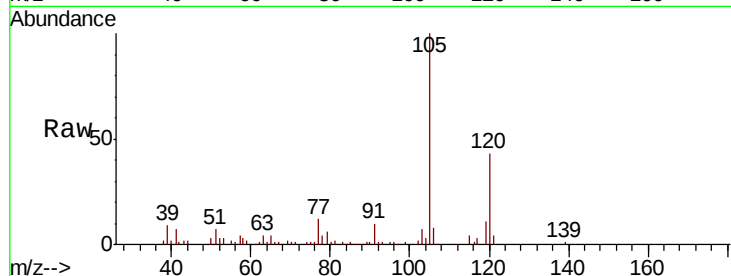
OR-02-102318-A

Tot Ion:105 Resp: 107077

Ion Ratio Lower Upper

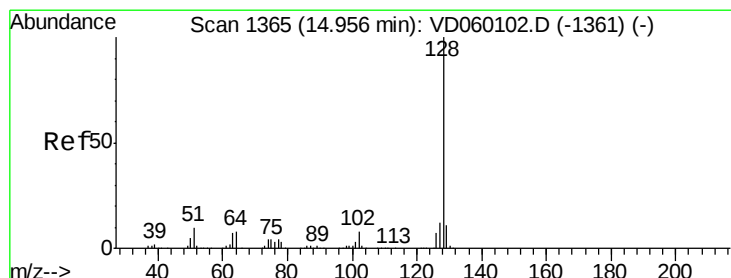
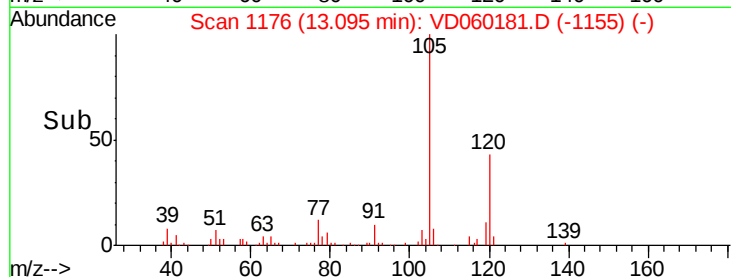
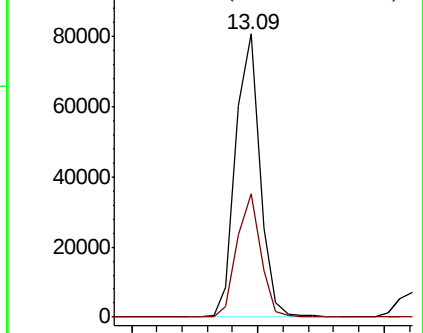
105 100

120 43.5 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#95

Naphthalene

Concen: 71.813 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060181.D

Acq: 24 Oct 2018 14:54

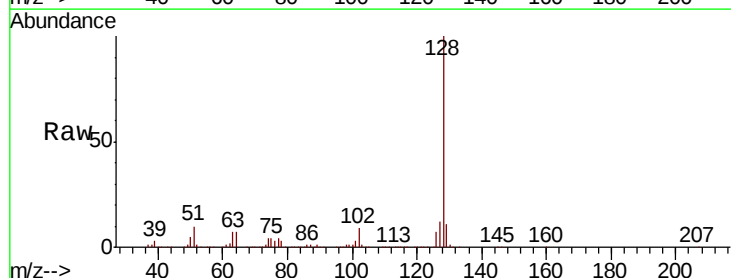
Tgt Ion:128 Resp: 1766648

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

129 11.2 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

