

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060407.D
 Acq On : 16 Nov 2018 19:28
 Operator : JC/SY
 Sample : J5970-04
 Misc : 6.89g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-B

Quant Time: Nov 17 03:53:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1261604	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1844003	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1306547	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	504731	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	322622	35.71	ug/l	0.00
Spiked Amount						
			Recovery	=	71.42%	
35) Dibromofluoromethane	6.34	113	423475	30.80	ug/l	0.00
Spiked Amount						
			Recovery	=	61.60%	
50) Toluene-d8	9.46	98	1281639	31.85	ug/l	0.00
Spiked Amount						
			Recovery	=	63.70%	
62) 4-Bromofluorobenzene	12.43	95	408487	28.01	ug/l	-0.01
Spiked Amount						
			Recovery	=	56.02%	

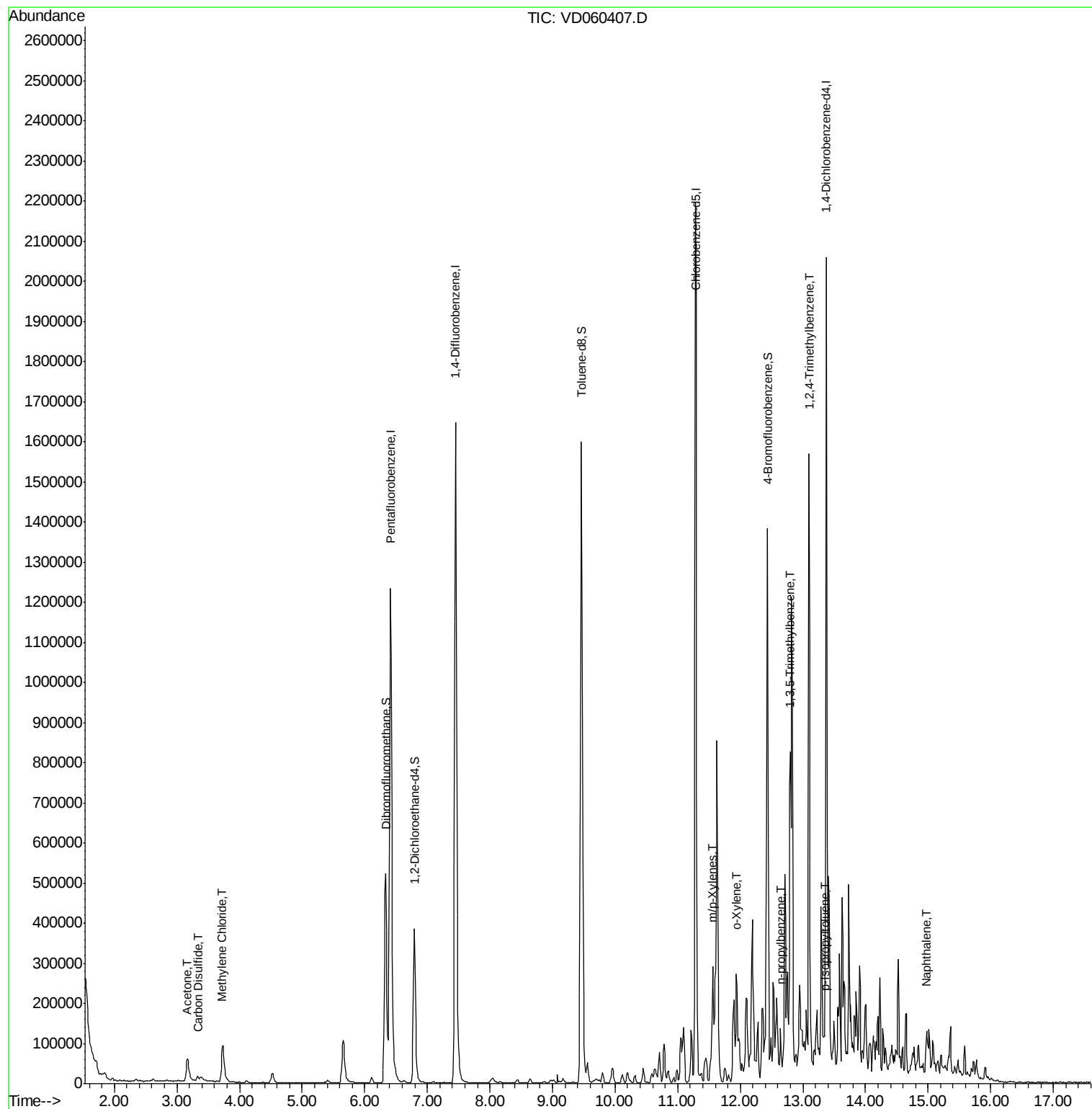
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.17	43	128265	81.858	ug/l	99
17) Carbon Disulfide	3.32	76	20530	1.033	ug/l #	93
20) Methylene Chloride	3.74	84	61380	4.416	ug/l	91
68) m/p-Xylenes	11.56	106	72958	4.084	ug/l	99
69) o-Xylene	11.93	106	45712	2.649	ug/l	99
78) n-propylbenzene	12.64	91	77141	1.681	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	321543	11.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	711523	24.930	ug/l	100
86) p-Isopropyltoluene	13.34	119	31666	1.010	ug/l	93
95) Naphthalene	14.98	128	53657	3.883	ug/l	98

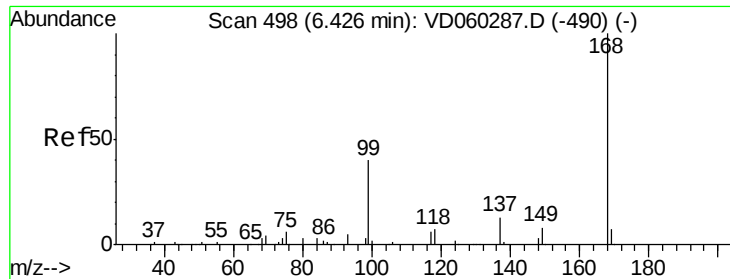
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060407.D
Acq On : 16 Nov 2018 19:28
Operator : JC/SY
Sample : J5970-04
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Quant Time: Nov 17 03:53:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

Instrument :

MSVOA_D

ClientSampleId :

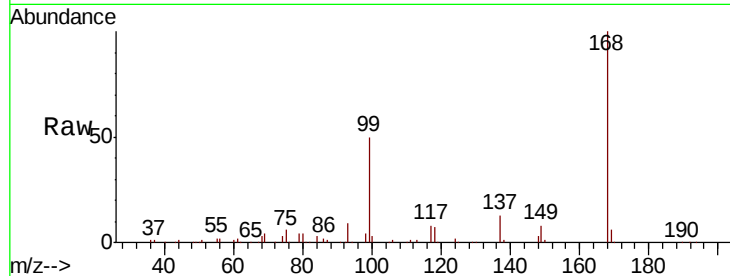
FK-GF-02-028-B

Tot Ion:168 Resp: 1261604

Ion Ratio Lower Upper

168 100

99 50.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

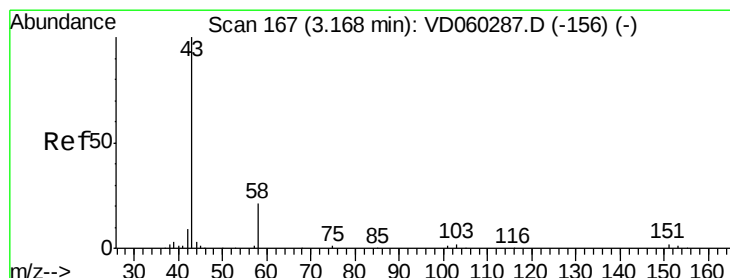
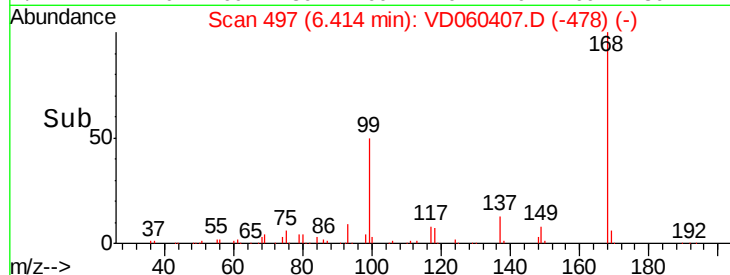
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 81.858 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060407.D

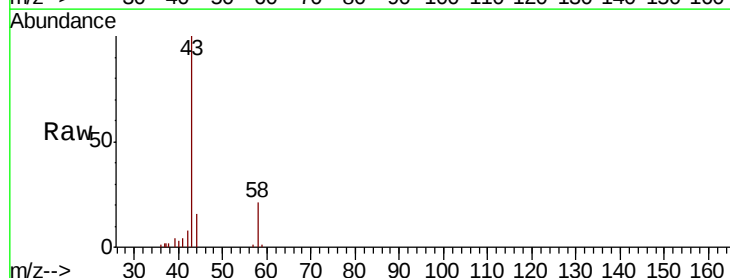
Acq: 16 Nov 2018 19:28

Tgt Ion: 43 Resp: 128265

Ion Ratio Lower Upper

43 100

58 20.8 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.17

40000

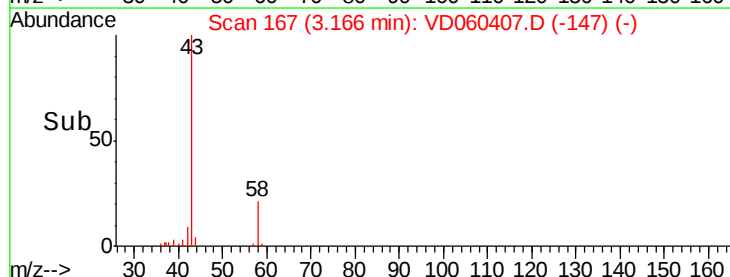
30000

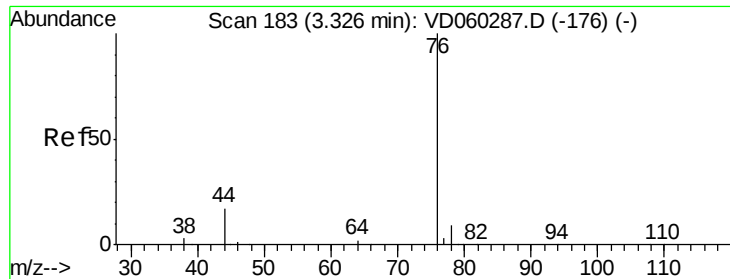
20000

10000

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Time-->





#17

Carbon Disulfide

Concen: 1.033 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

Instrument :

MSVOA_D

ClientSampleId :

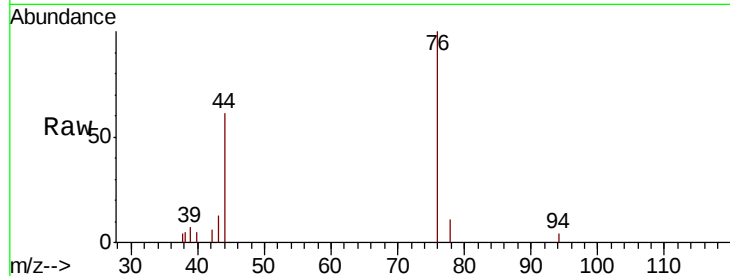
FK-GF-02-028-B

Tot Ion: 76 Resp: 20530

Ion Ratio Lower Upper

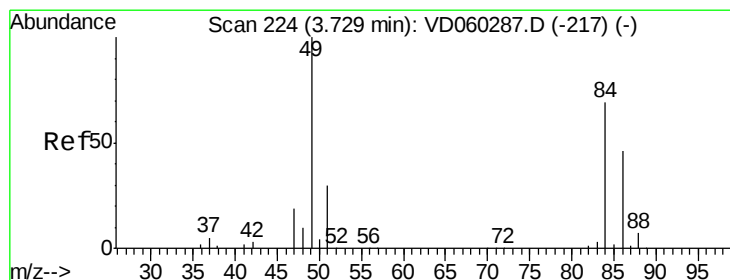
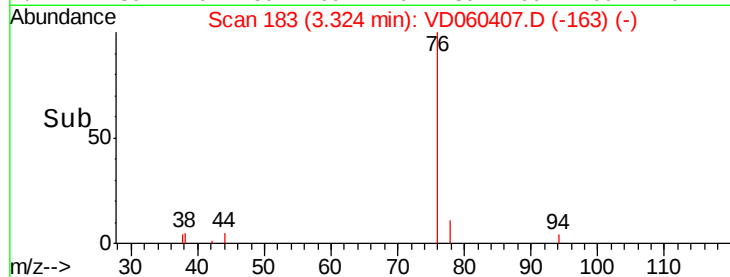
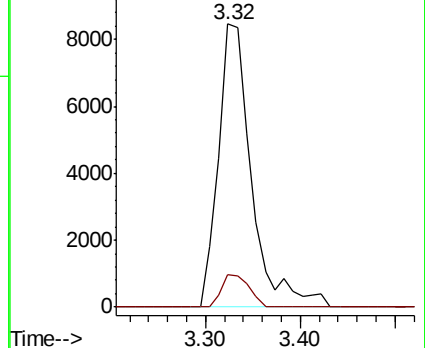
76 100

78 11.3 7.0 10.4#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 4.416 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

Tgt Ion: 84 Resp: 61380

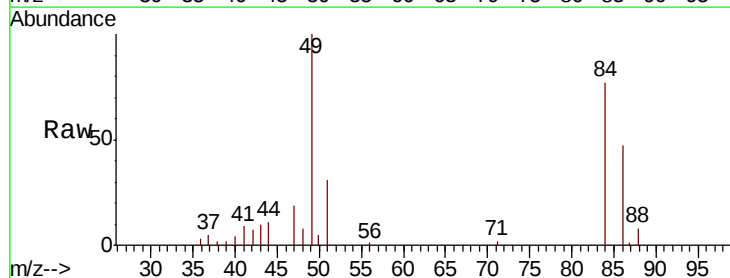
Ion Ratio Lower Upper

84 100

49 130.7 115.6 173.4

51 40.2 35.6 53.4

86 61.2 52.3 78.5

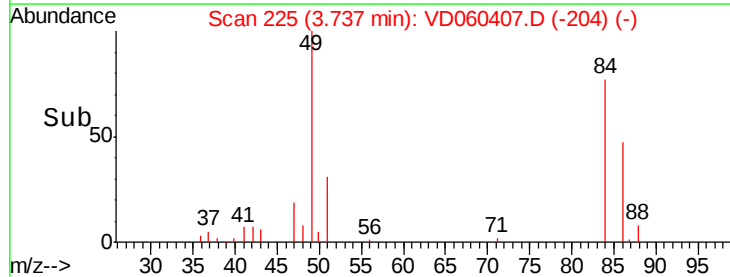
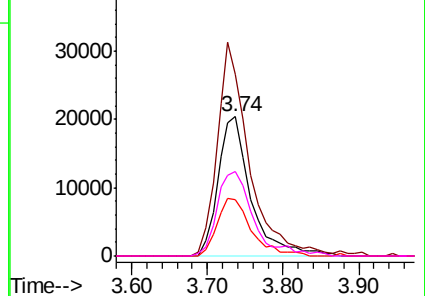


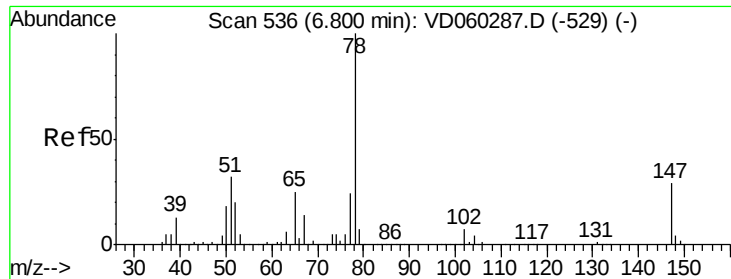
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

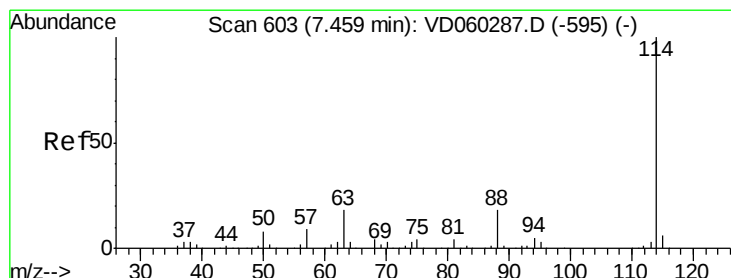
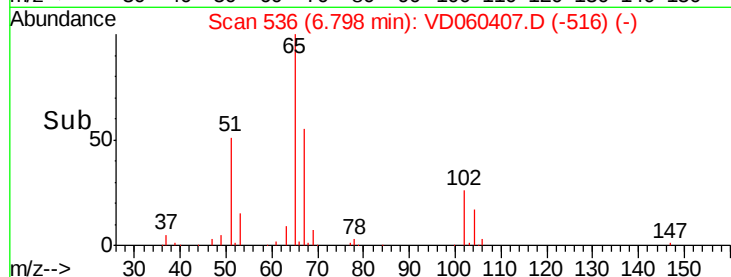
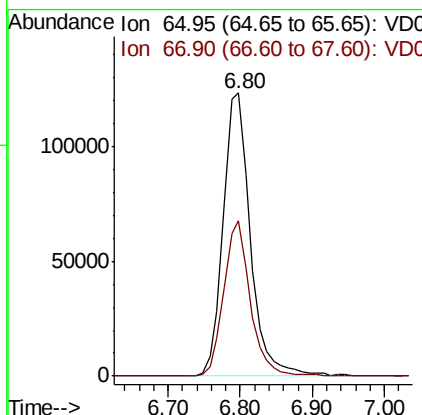
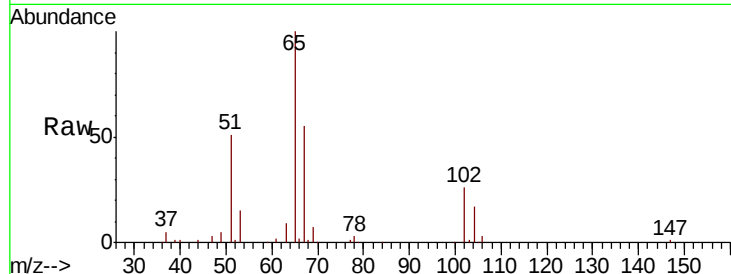




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD060407.D
 Acq: 16 Nov 2018 19:28

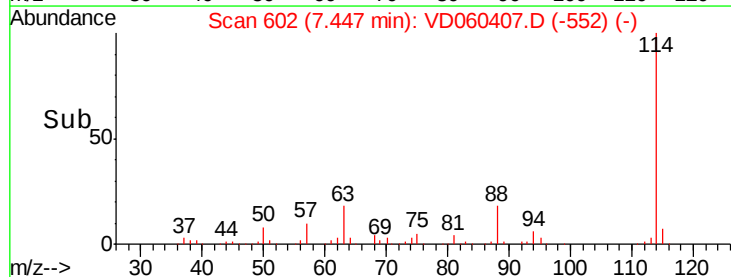
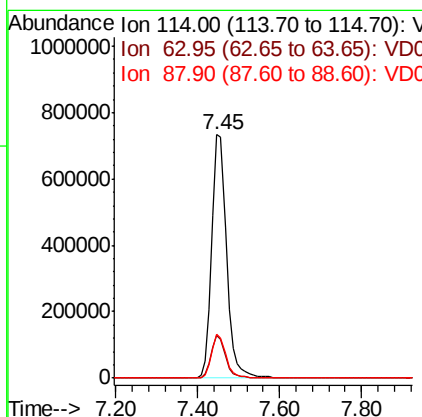
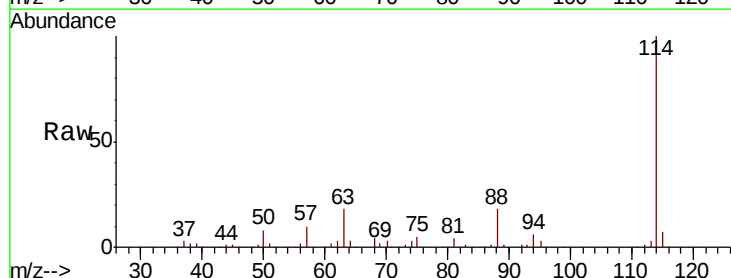
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-B

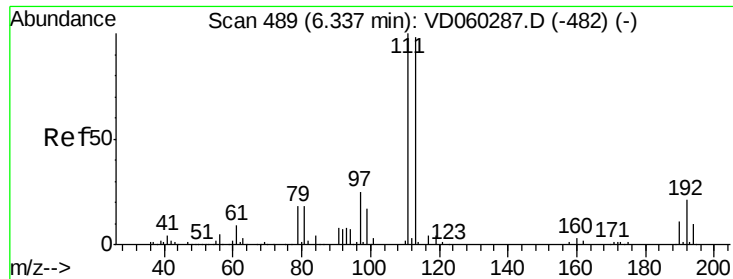
Tot Ion: 65 Resp: 322622
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060407.D
 Acq: 16 Nov 2018 19:28

Tgt Ion: 114 Resp: 1844003
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.0
 88 18.3 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 489

Delta R.T. -0.00 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-028-B

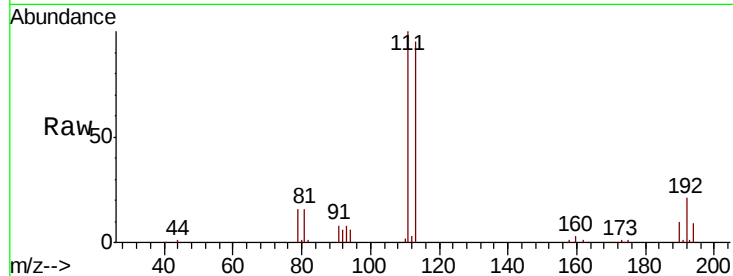
Tot Ion:113 Resp: 423475

Ion Ratio Lower Upper

113 100

111 105.0 81.6 122.4

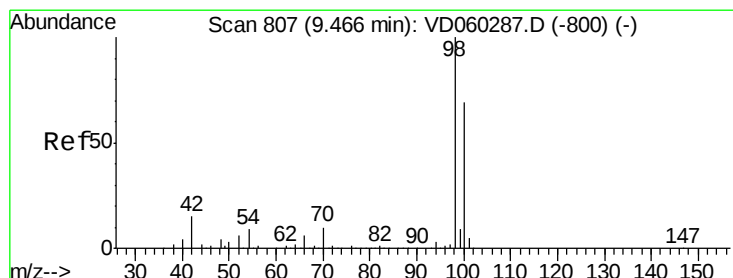
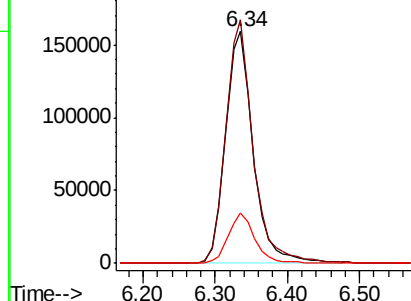
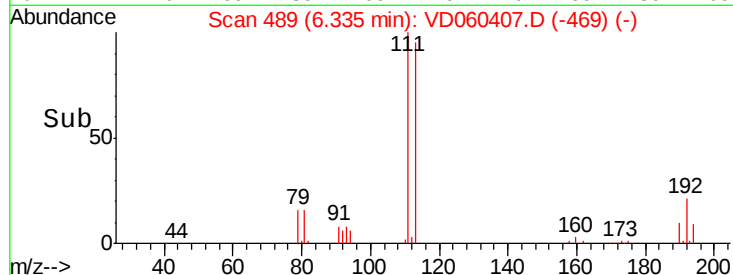
192 21.8 16.5 24.7



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: 9.46 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060407.D

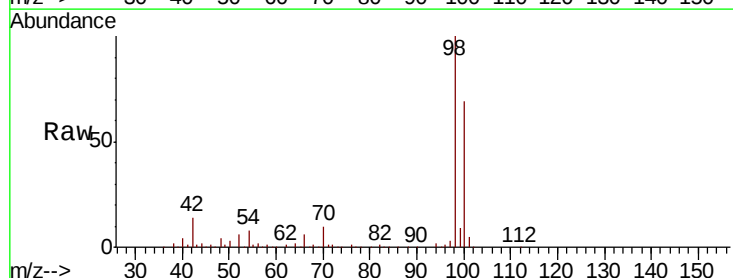
Acq: 16 Nov 2018 19:28

Tgt Ion: 98 Resp: 1281639

Ion Ratio Lower Upper

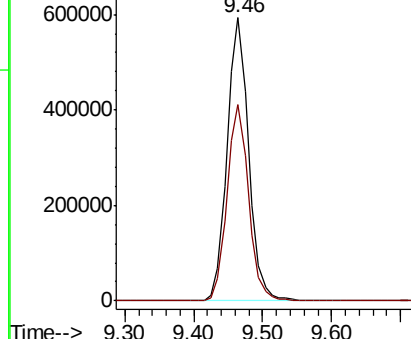
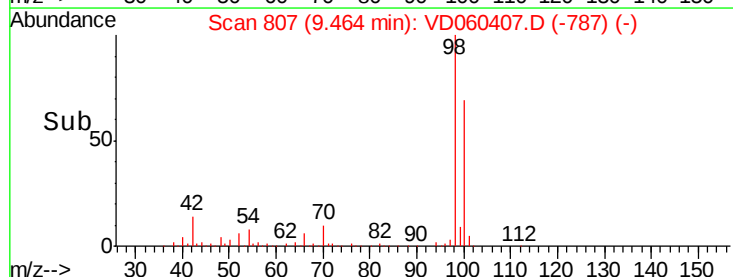
98 100

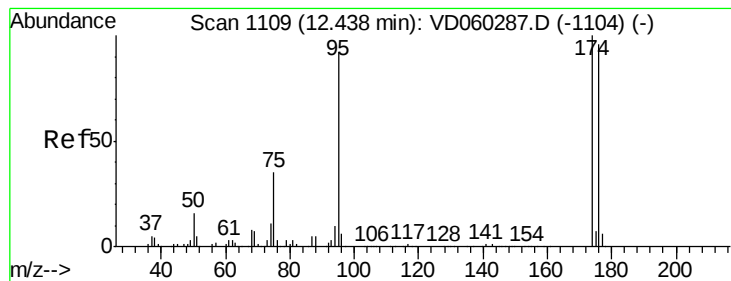
100 69.5 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-028-B

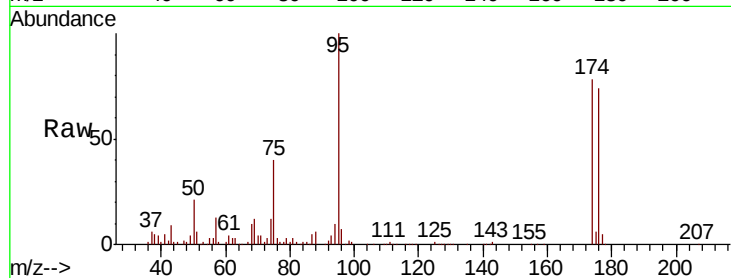
Tot Ion: 95 Resp: 408487

Ion Ratio Lower Upper

95 100

174 77.7 0.0 160.8

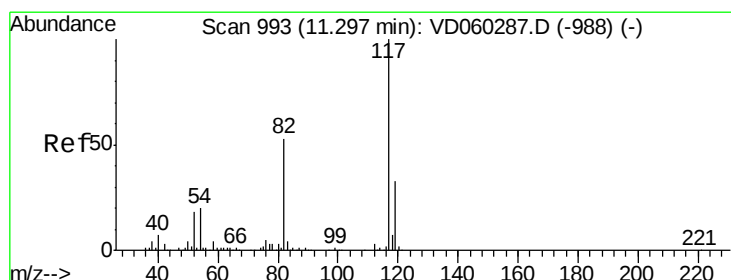
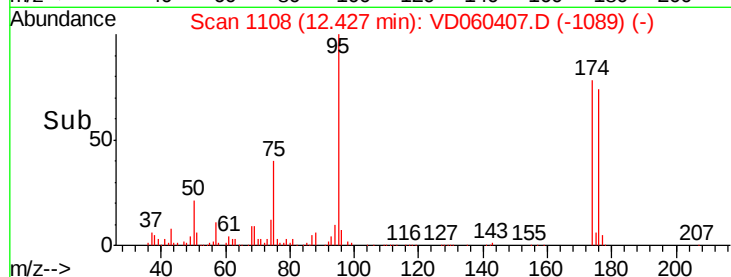
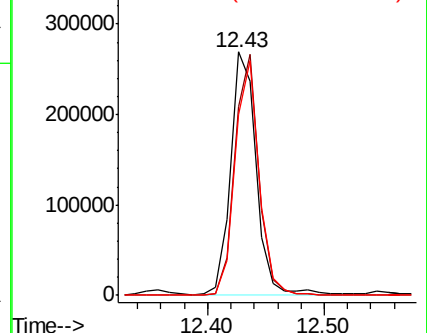
176 74.1 0.0 154.6



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: 11.29 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

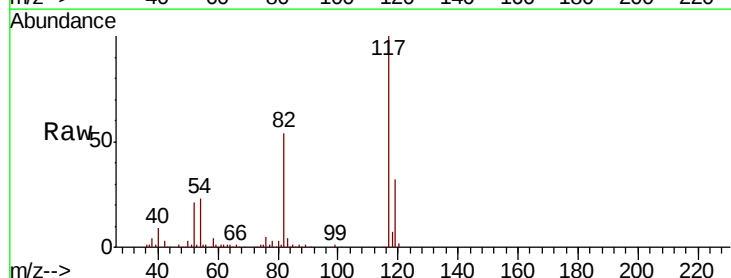
Tgt Ion: 117 Resp: 1306547

Ion Ratio Lower Upper

117 100

82 53.6 43.7 65.5

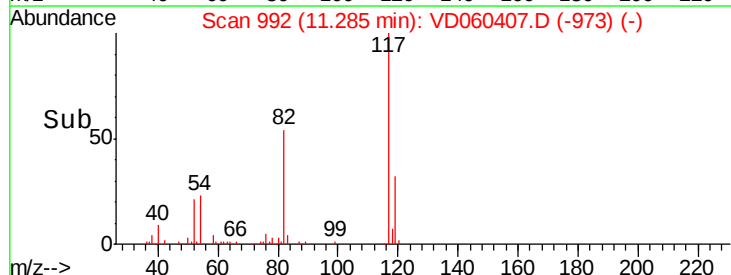
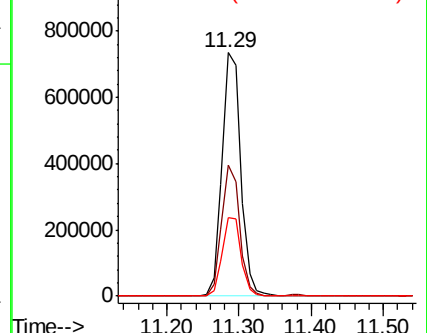
119 32.3 26.1 39.1

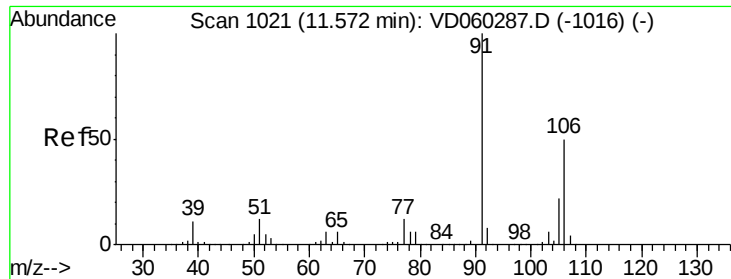


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

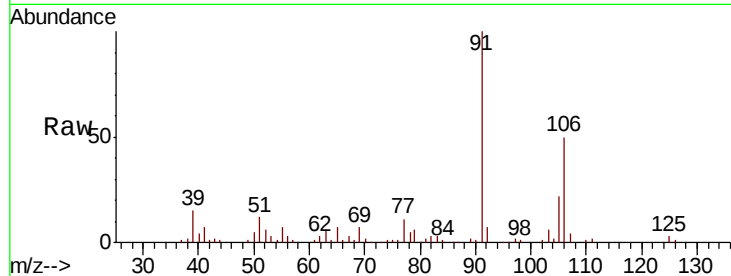




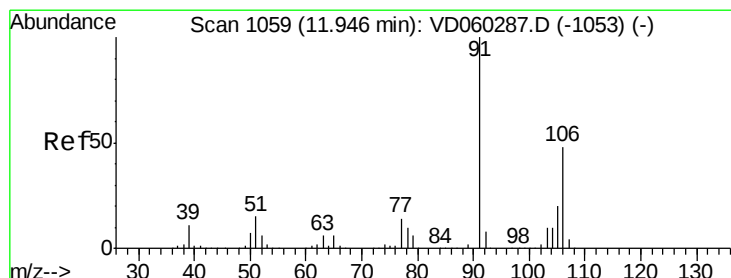
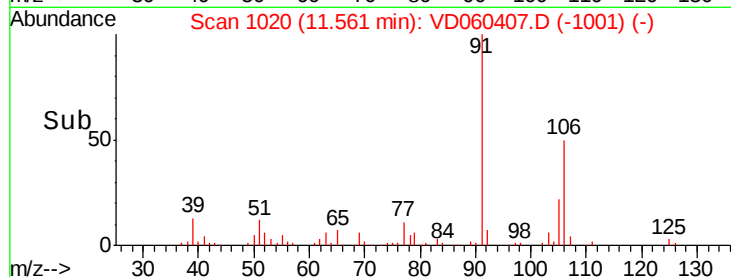
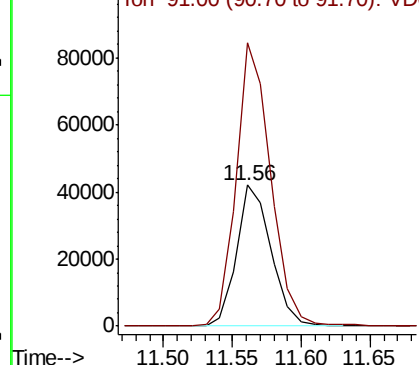
#68
m/p-Xylenes
Concen: 4.084 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060407.D
Acq: 16 Nov 2018 19:28

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-028-B

Tot Ion:106 Resp: 72958
Ion Ratio Lower Upper
106 100
91 200.8 159.4 239.2

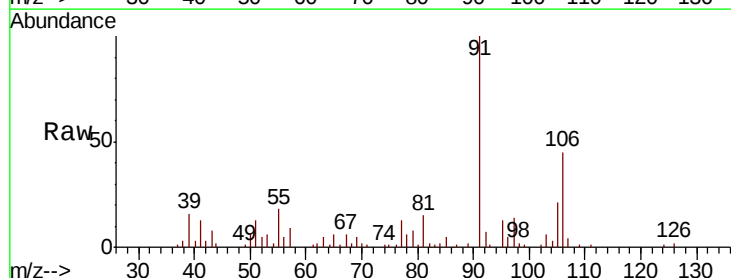


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

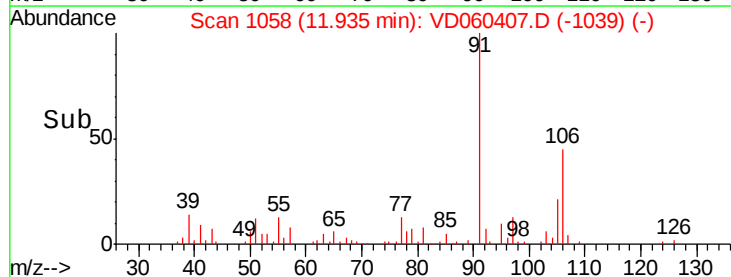
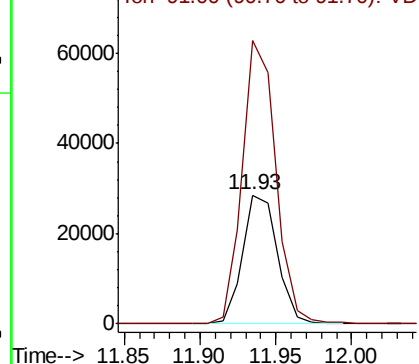


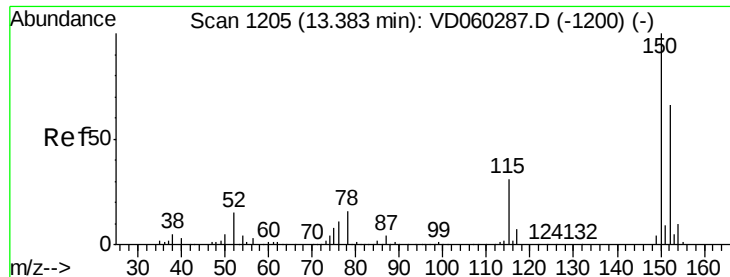
#69
o-Xylene
Concen: 2.649 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060407.D
Acq: 16 Nov 2018 19:28

Tgt Ion:106 Resp: 45712
Ion Ratio Lower Upper
106 100
91 219.9 109.2 327.6



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: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-028-B

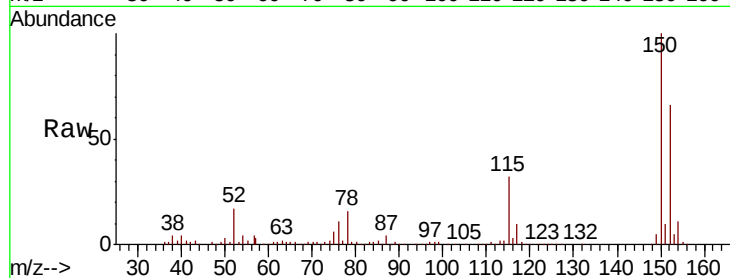
Tot Ion:152 Resp: 504731

Ion Ratio Lower Upper

152 100

115 48.9 24.1 72.3

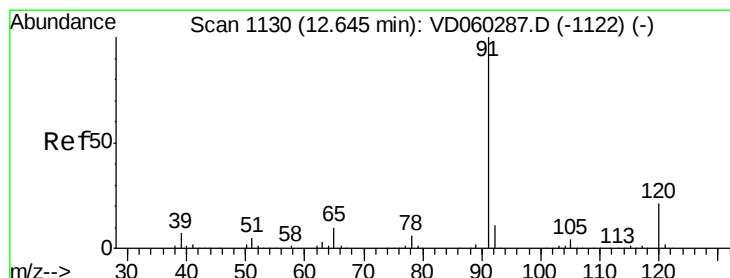
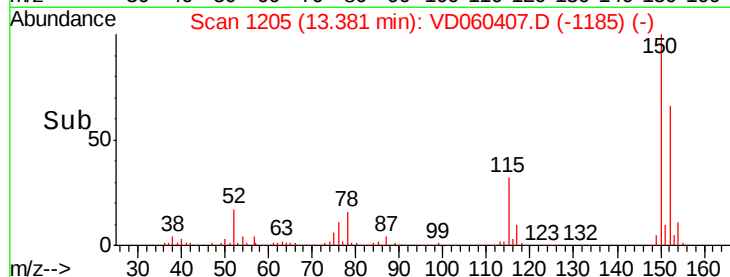
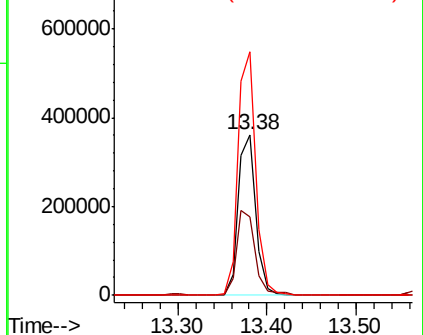
150 151.3 0.0 310.6



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



#78

n-propylbenzene

Concen: 1.681 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060407.D

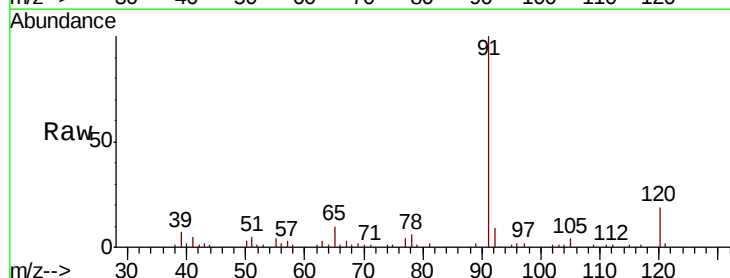
Acq: 16 Nov 2018 19:28

Tgt Ion: 91 Resp: 77141

Ion Ratio Lower Upper

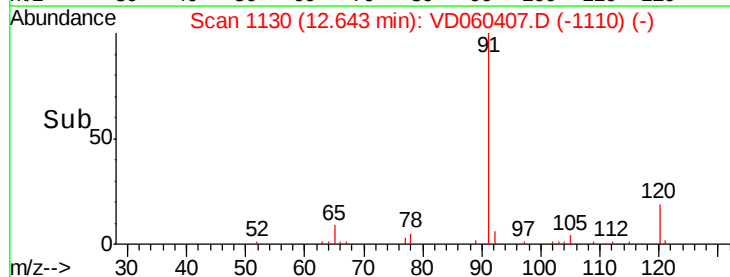
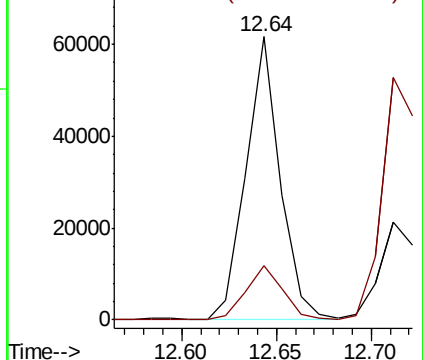
91 100

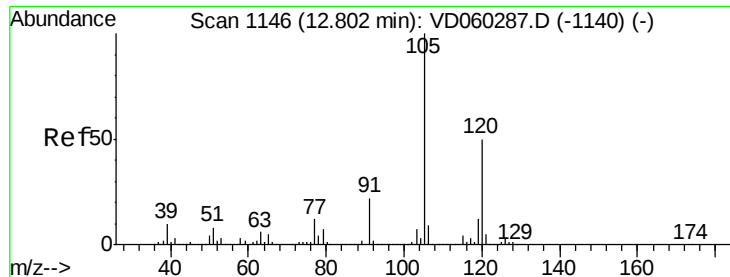
120 19.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#80

1,3,5-Trimethylbenzene

Concen: 11.251 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

Instrument :

MSVOA_D

ClientSampleId :

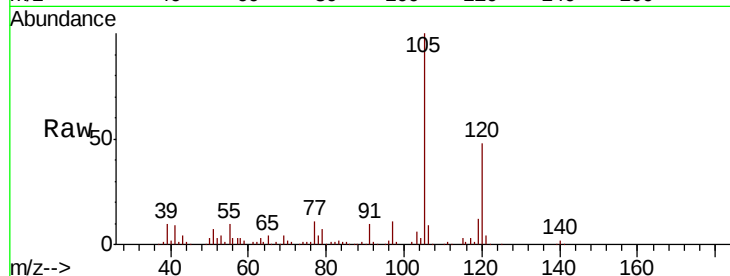
FK-GF-02-028-B

Tot Ion:105 Resp: 321543

Ion Ratio Lower Upper

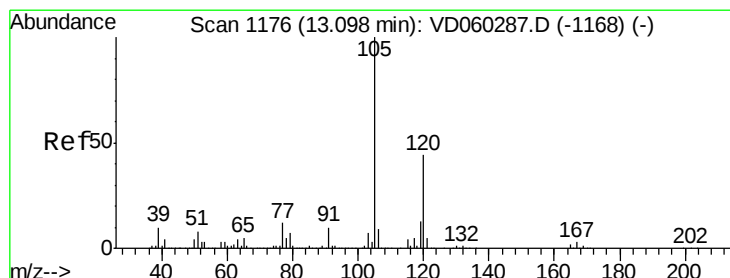
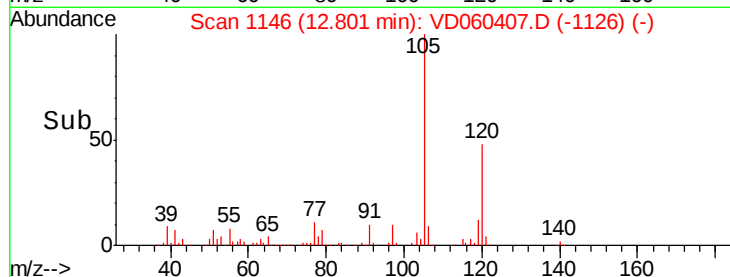
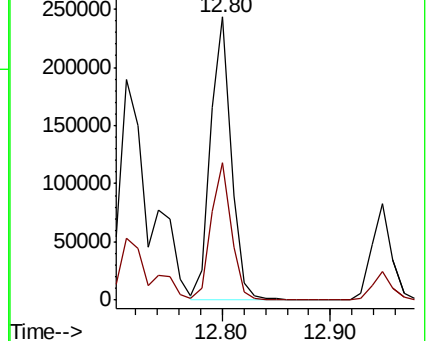
105 100

120 48.5 24.4 73.4



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: 24.930 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VD060407.D

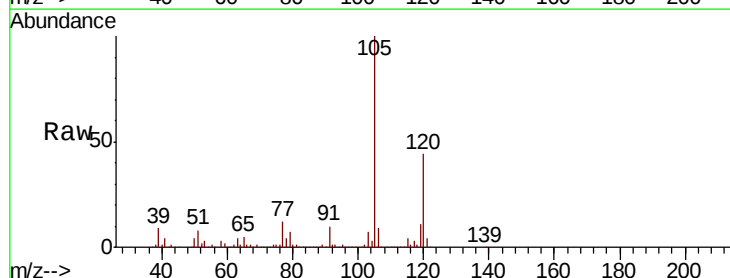
Acq: 16 Nov 2018 19:28

Tgt Ion:105 Resp: 711523

Ion Ratio Lower Upper

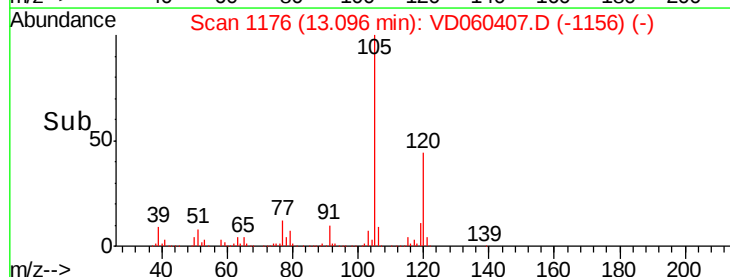
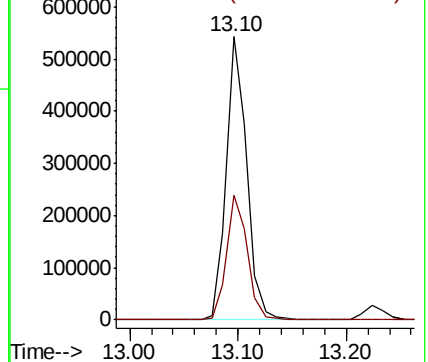
105 100

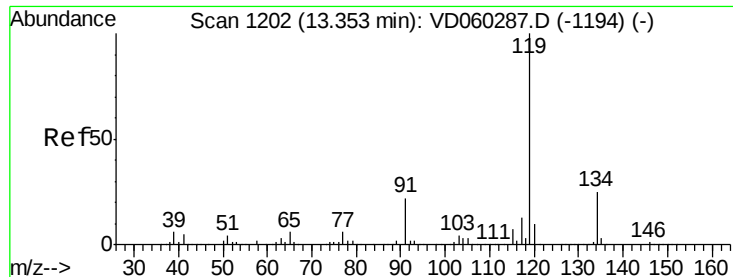
120 43.9 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#86

p-Isopropyltoluene

Concen: 1.010 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-028-B

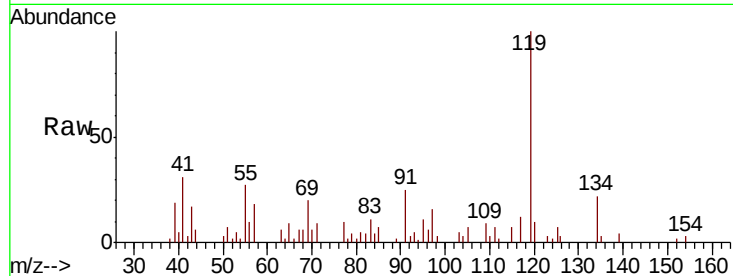
Tot Ion:119 Resp: 31666

Ion Ratio Lower Upper

119 100

134 21.6 12.9 38.6

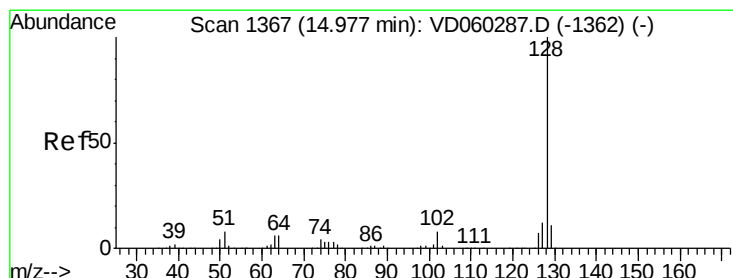
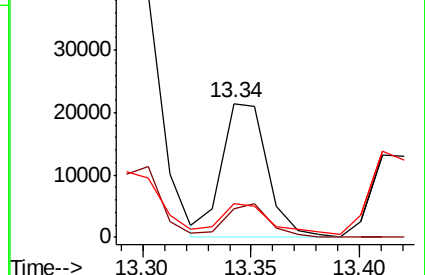
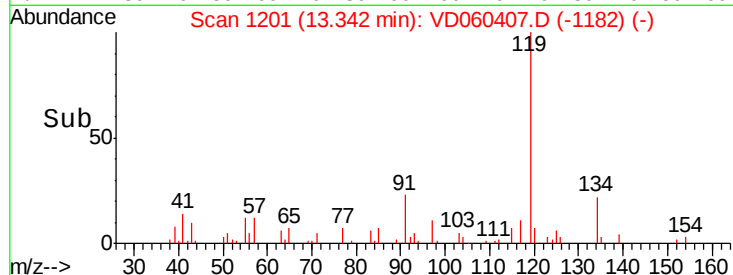
91 24.9 11.3 33.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 3.883 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060407.D

Acq: 16 Nov 2018 19:28

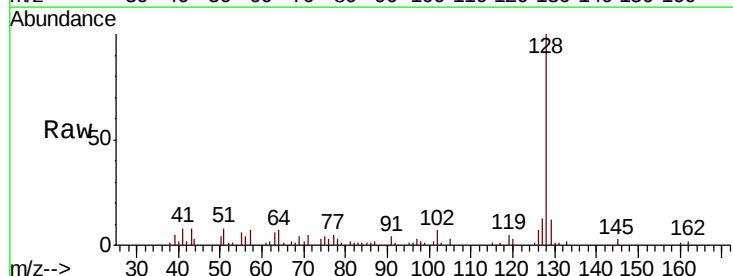
Tgt Ion:128 Resp: 53657

Ion Ratio Lower Upper

128 100

127 12.6 9.6 14.4

129 12.0 8.6 12.8



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

