

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060408.D
 Acq On : 16 Nov 2018 19:56
 Operator : JC/SY
 Sample : J5970-04RE
 Misc : 4.64u/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Nov 17 03:57:32 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	1152475	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1583402	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1137817	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	410908	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	321632	38.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.96%	
35) Dibromofluoromethane	6.33	113	421976	35.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.48%	
50) Toluene-d8	9.46	98	1192516	34.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.02%	
62) 4-Bromofluorobenzene	12.43	95	371357	29.66	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	59.32%	

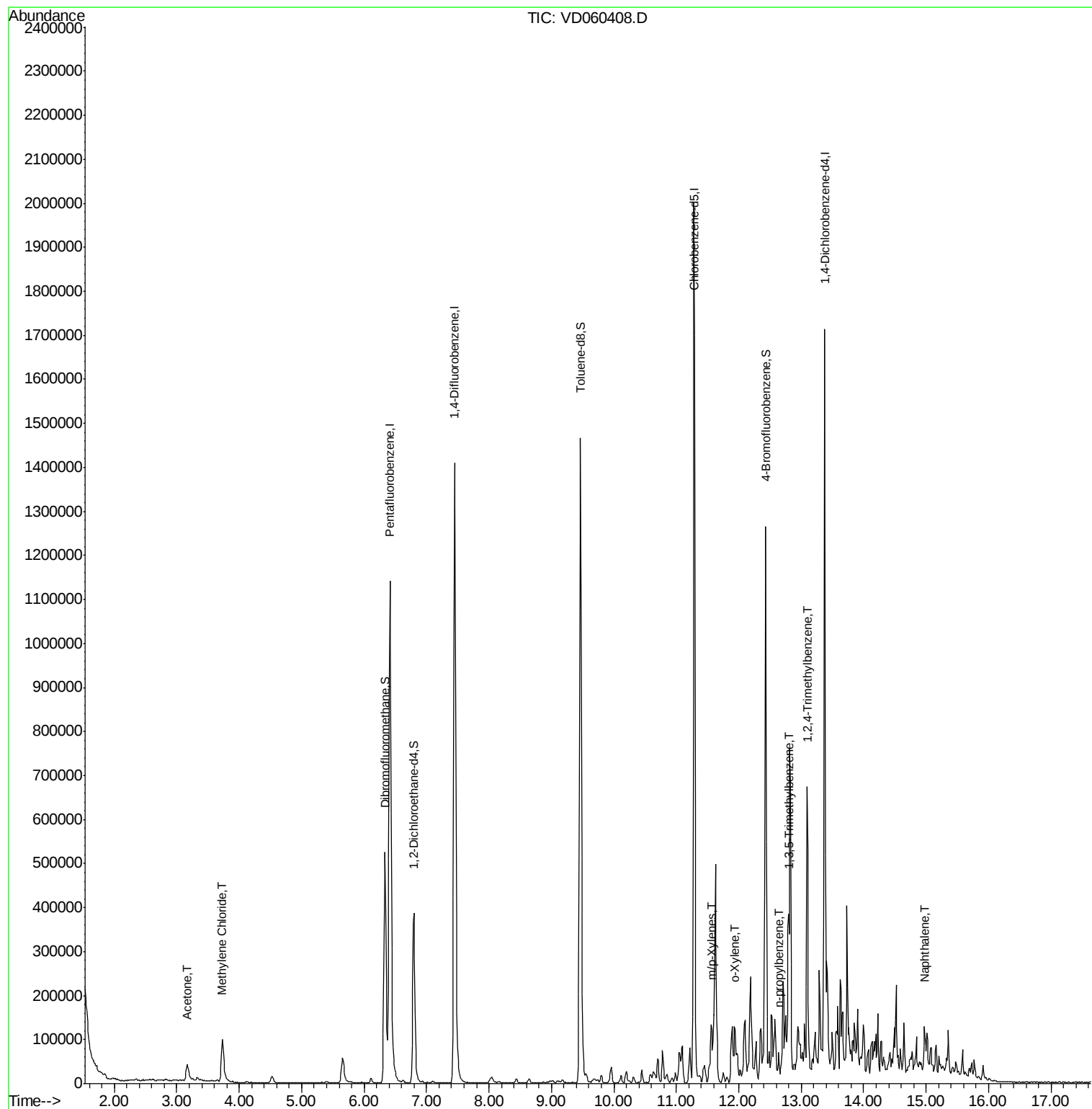
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.17	43	82060	57.329	ug/l	98
20) Methylene Chloride	3.74	84	65368	5.148	ug/l	96
68) m/p-Xylenes	11.56	106	32599	2.095	ug/l	95
69) o-Xylene	11.93	106	21744	1.447	ug/l	79
78) n-propylbenzene	12.64	91	39257	1.051	ug/l	94
80) 1,3,5-Trimethylbenzene	12.80	105	135718	5.833	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	303111	13.045	ug/l	99
95) Naphthalene	14.97	128	52405	4.658	ug/l	97

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

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Quant Time: Nov 17 03:57:32 2018
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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: VD060408.D
 Acq: 16 Nov 2018 19:56

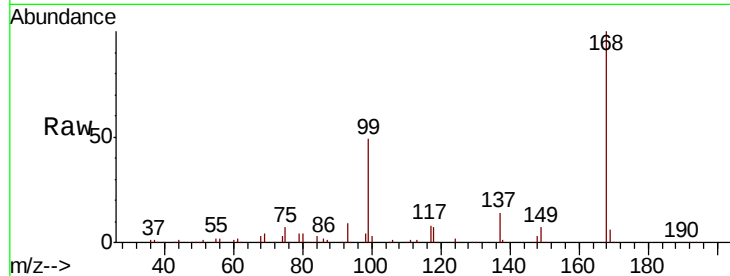
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-BRE

Tot Ion:168 Resp: 1152475

Ion Ratio Lower Upper

168 100

99 49.2 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

400000

300000

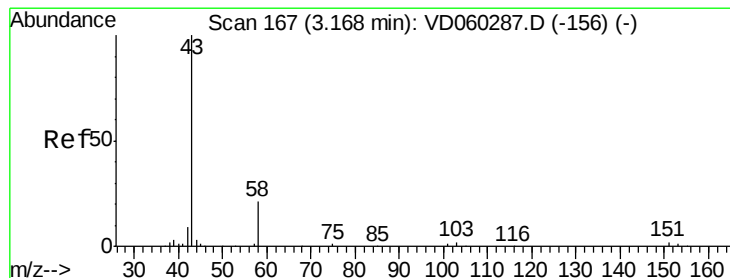
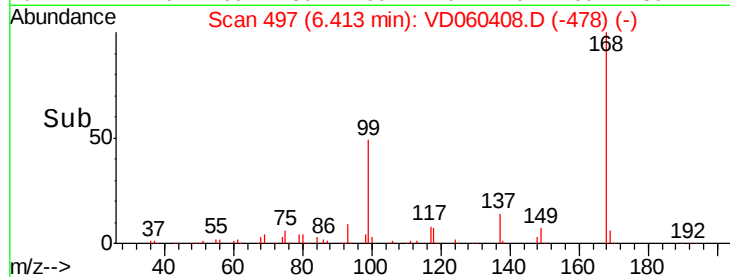
200000

100000

0

Time-->

6.30 6.40 6.50 6.60



#16

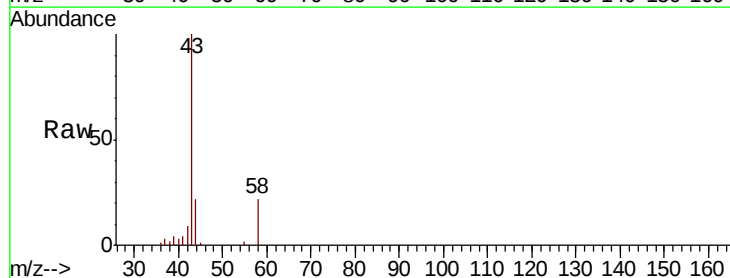
Acetone
 Concen: 57.329 ug/l
 RT: 3.17 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VD060408.D
 Acq: 16 Nov 2018 19:56

Tgt Ion: 43 Resp: 82060

Ion Ratio Lower Upper

43 100

58 22.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

30000

25000

20000

15000

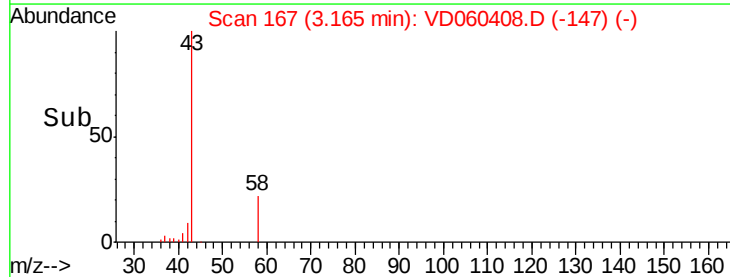
10000

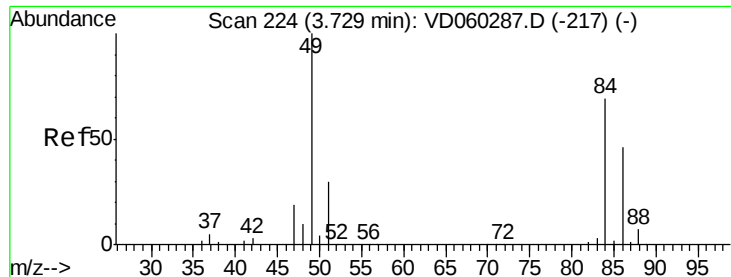
5000

0

Time-->

3.10 3.20 3.30

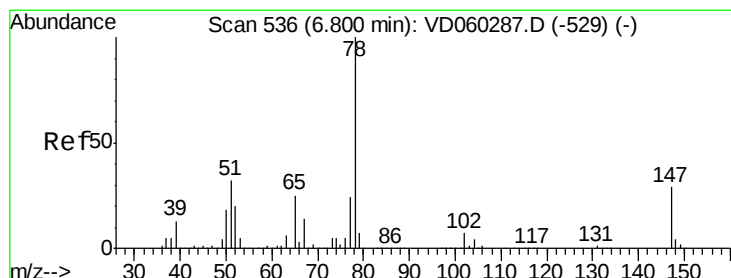
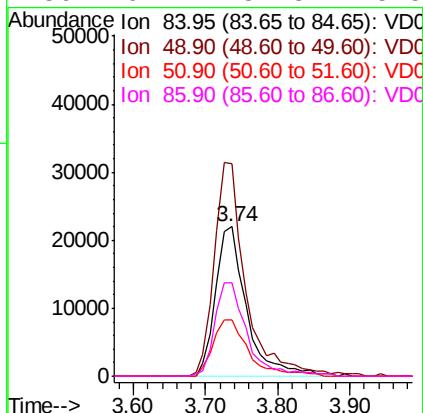
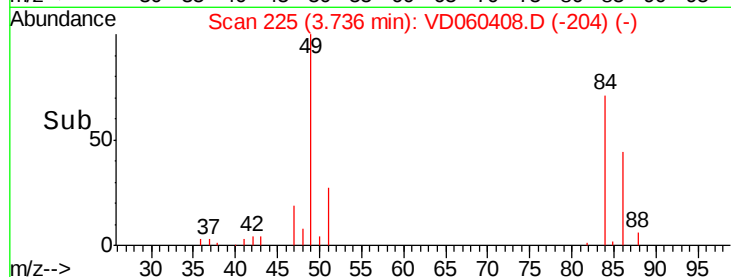
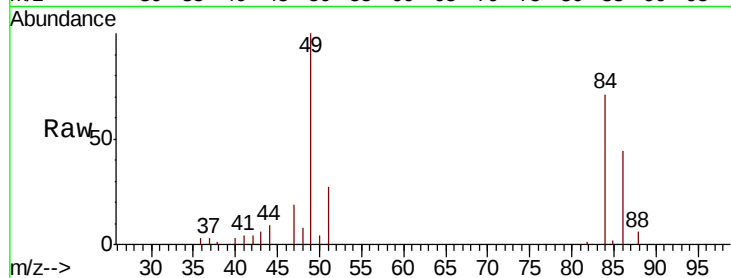




#20
Methvlene Chloride
Concen: 5.148 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060408.D
Acq: 16 Nov 2018 19:56

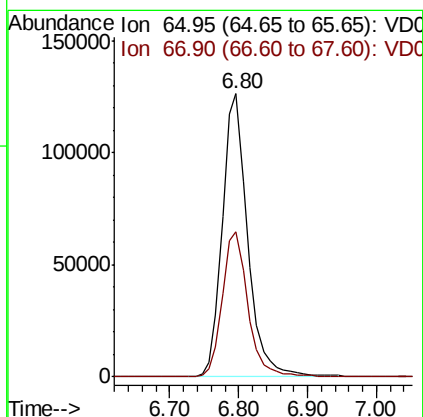
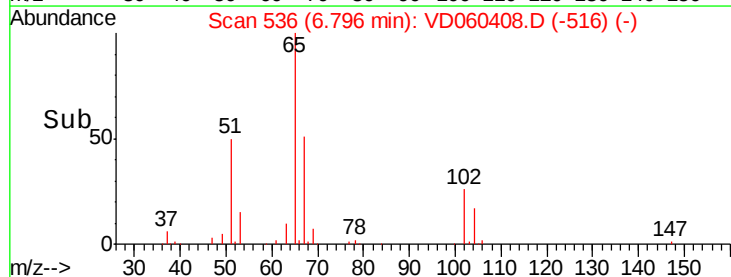
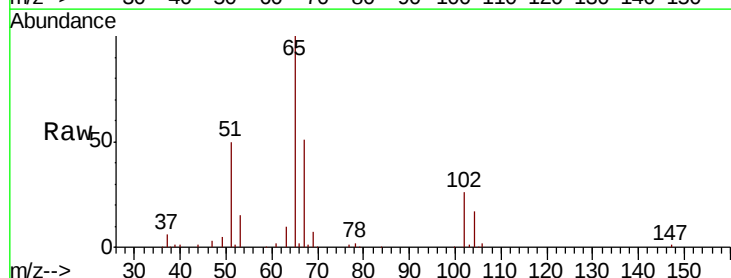
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-028-BRE

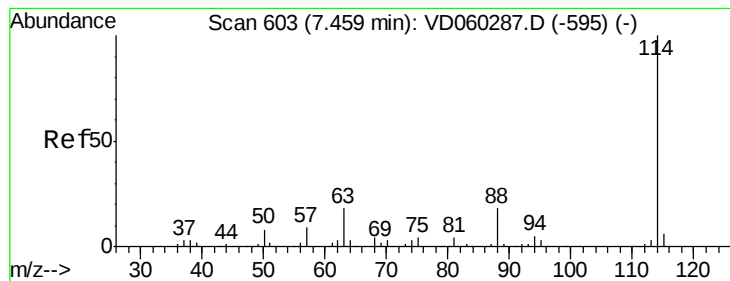
Tot Ion: 84 Resp: 65368
Ion Ratio Lower Upper
84 100
49 141.6 115.6 173.4
51 37.7 35.6 53.4
86 62.4 52.3 78.5



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060408.D
Acq: 16 Nov 2018 19:56

Tgt Ion: 65 Resp: 321632
Ion Ratio Lower Upper
65 100
67 51.3 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: VD060408.D

Acq: 16 Nov 2018 19:56

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-028-BRE

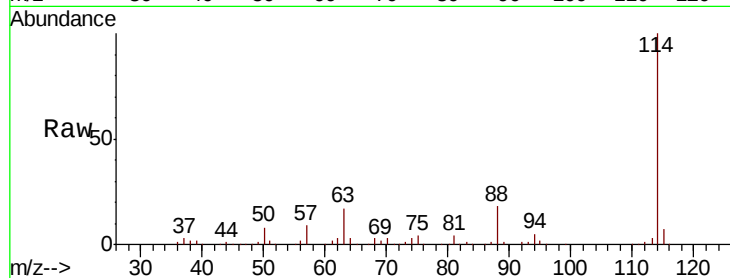
Tot Ion:114 Resp: 1583402

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.0

88 18.1 0.0 35.4



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

7.45

600000

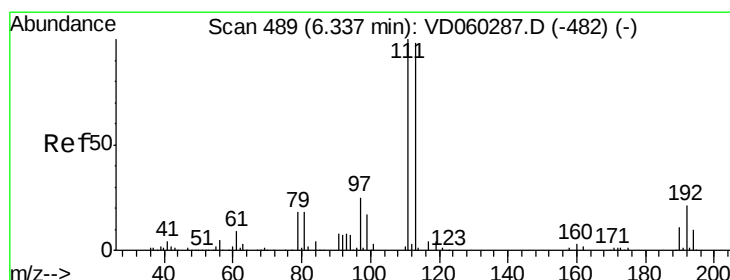
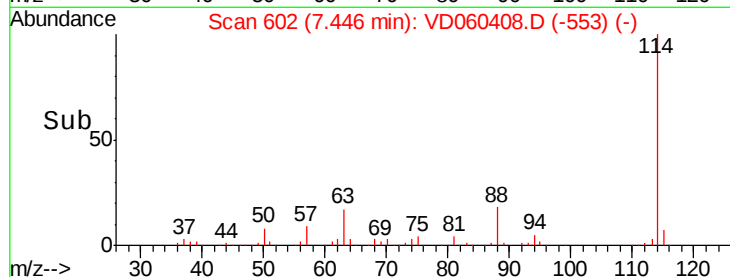
400000

200000

0

7.40 7.60

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 489

Delta R.T. -0.00 min

Lab File: VD060408.D

Acq: 16 Nov 2018 19:56

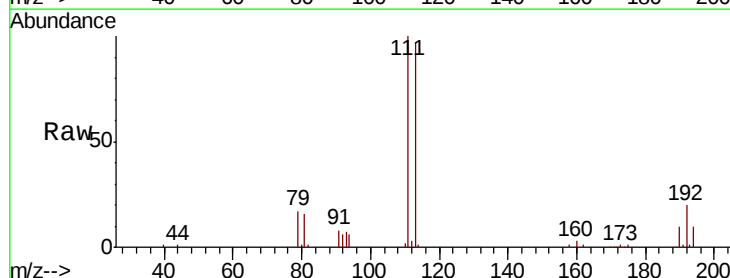
Tgt Ion:113 Resp: 421976

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

192 20.7 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

6.33

200000

150000

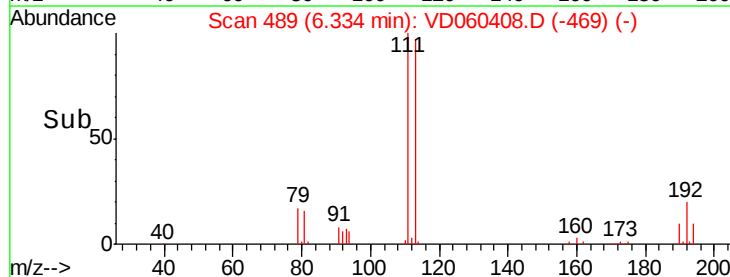
100000

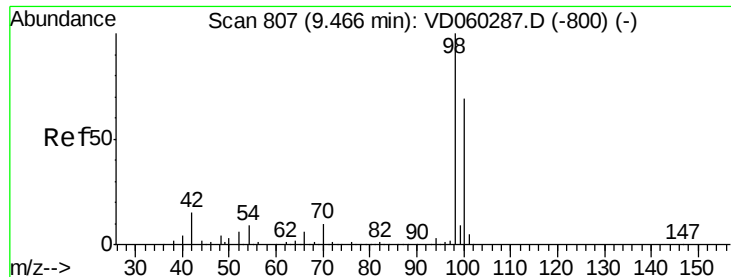
50000

0

6.20 6.30 6.40 6.50

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060408.D

Acq: 16 Nov 2018 19:56

Instrument :

MSVOA_D

ClientSampleId :

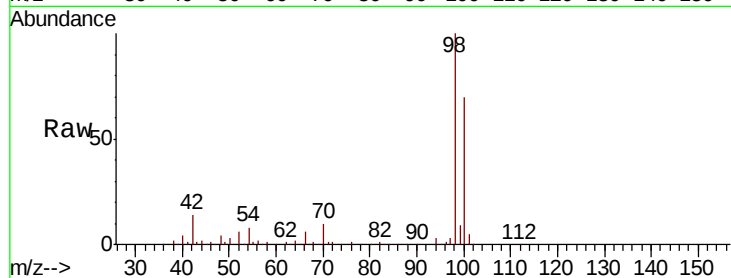
FK-GF-02-028-BRE

Tot Ion: 98 Resp: 1192516

Ion Ratio Lower Upper

98 100

100 69.7 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VD060408.D (-787) (-)

Ion 100.05 (99.75 to 100.75): VD060408.D (-787) (-)

9.46

600000

500000

400000

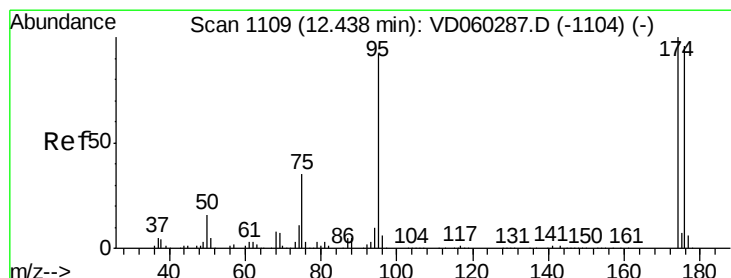
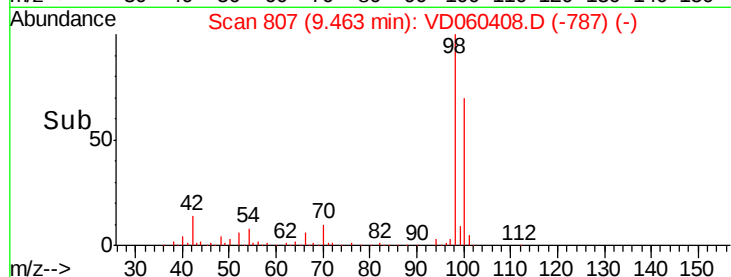
300000

200000

100000

0

Time--> 9.30 9.40 9.50 9.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060408.D

Acq: 16 Nov 2018 19:56

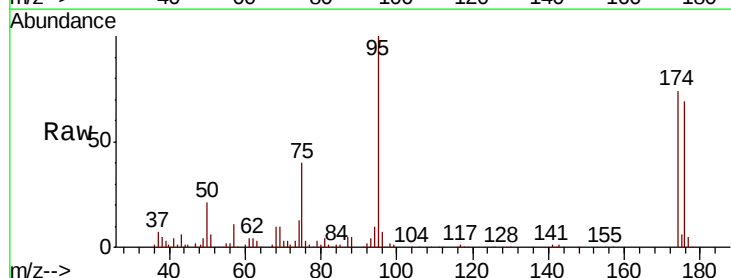
Tgt Ion: 95 Resp: 371357

Ion Ratio Lower Upper

95 100

174 74.2 0.0 160.8

176 68.7 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): VD060408.D (-1089) (-)

Ion 173.90 (173.60 to 174.60): VD060408.D (-1089) (-)

Ion 175.90 (175.60 to 176.60): VD060408.D (-1089) (-)

12.43

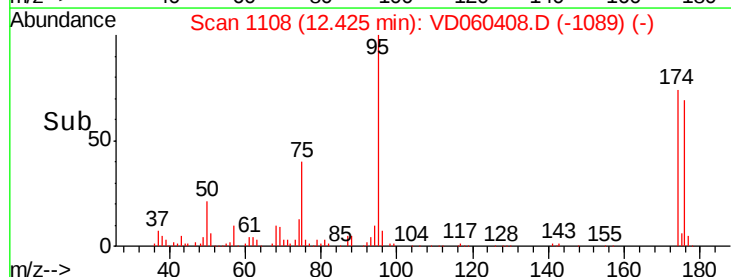
300000

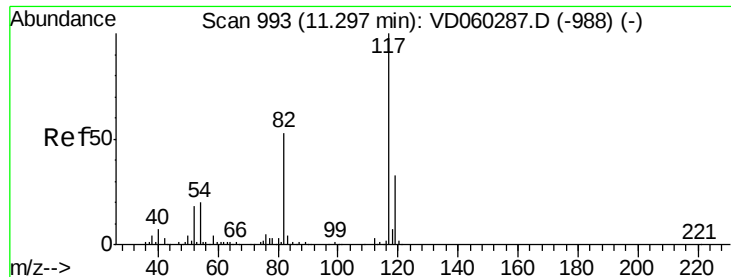
200000

100000

0

Time--> 12.40 12.50

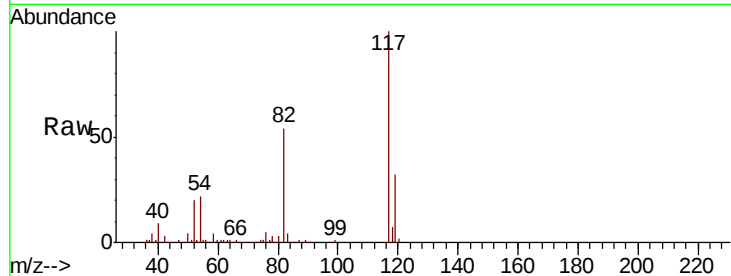




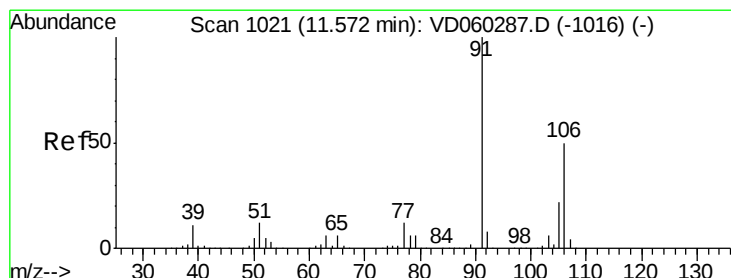
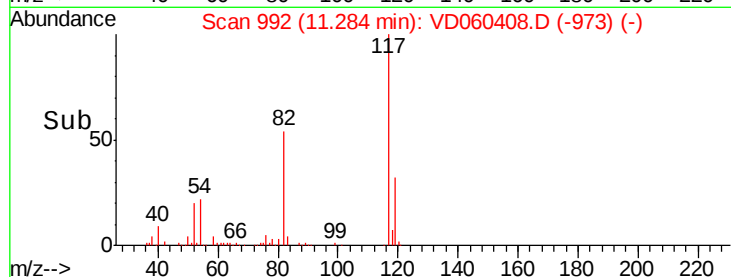
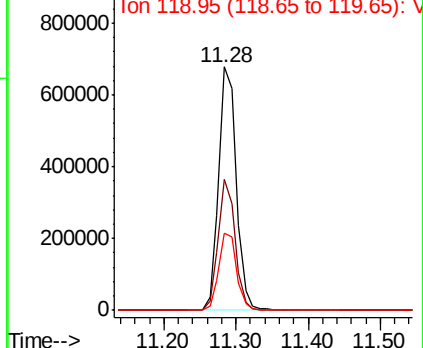
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060408.D
Acq: 16 Nov 2018 19:56

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

Tot Ion:117 Resp: 1137817
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 31.8 26.1 39.1

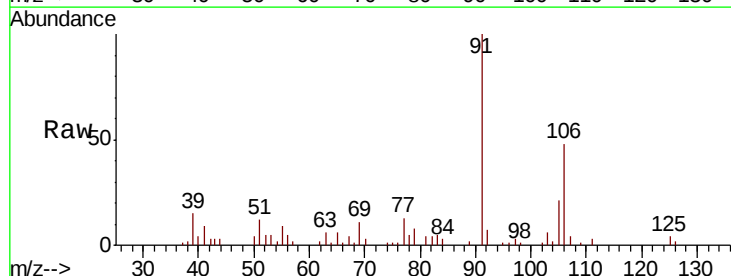


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

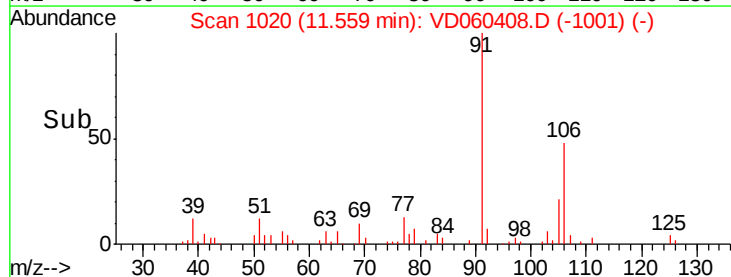
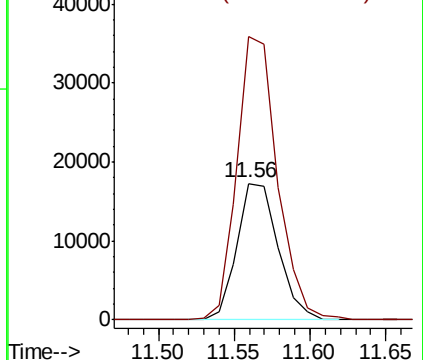


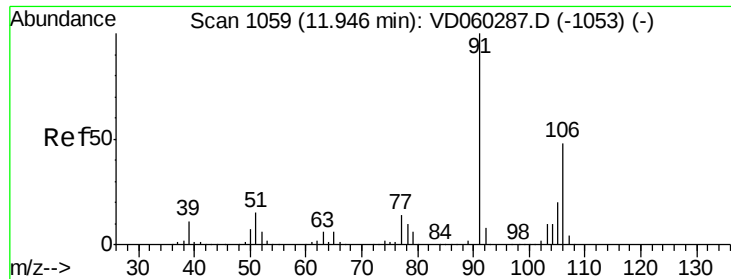
#68
m/p-Xylenes
Concen: 2.095 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060408.D
Acq: 16 Nov 2018 19:56

Tgt Ion:106 Resp: 32599
Ion Ratio Lower Upper
106 100
91 207.2 159.4 239.2



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

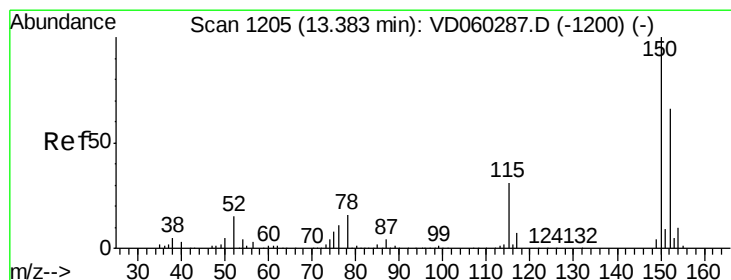
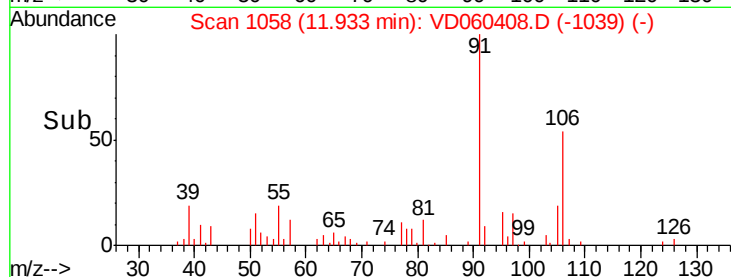
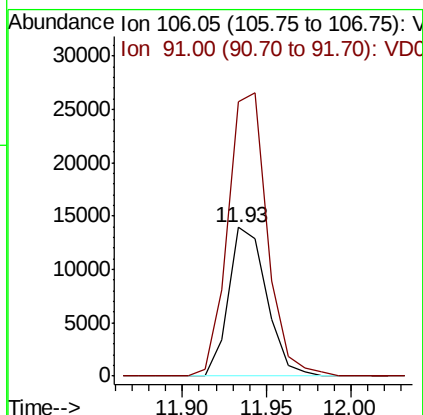
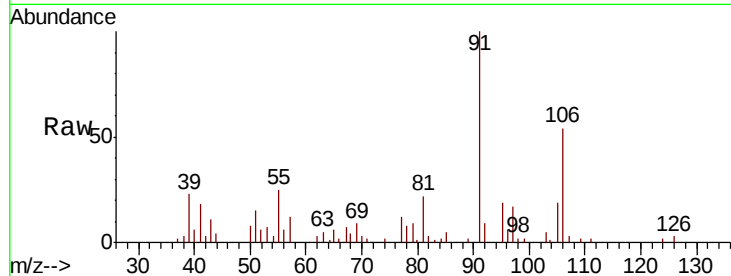




#69
o-Xylene
Concen: 1.447 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060408.D
Acq: 16 Nov 2018 19:56

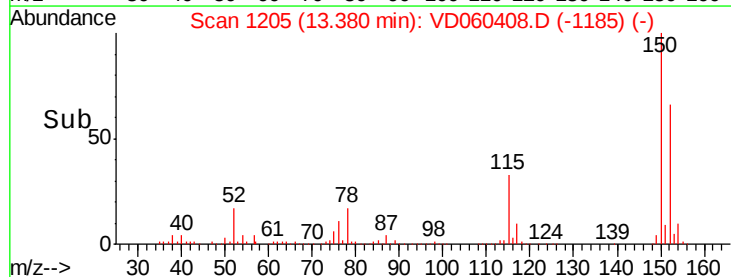
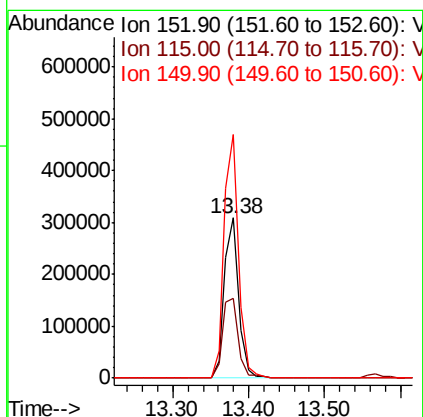
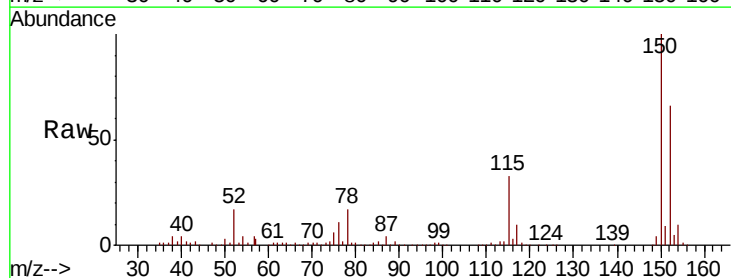
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-028-BRE

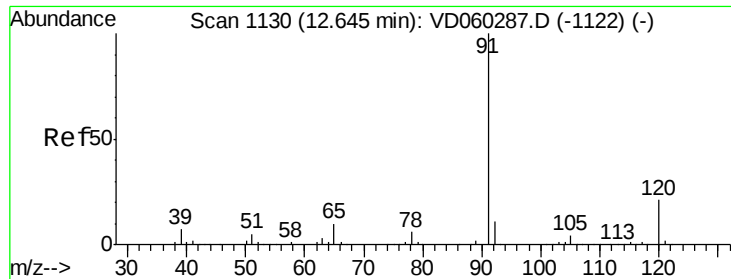
Tot Ion:106 Resp: 21744
Ion Ratio Lower Upper
106 100
91 184.6 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060408.D
Acq: 16 Nov 2018 19:56

Tgt Ion:152 Resp: 410908
Ion Ratio Lower Upper
152 100
115 49.7 24.1 72.3
150 152.3 0.0 310.6





#78

n-propylbenzene

Concen: 1.051 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060408.D

Acq: 16 Nov 2018 19:56

Instrument :

MSVOA_D

ClientSampleId :

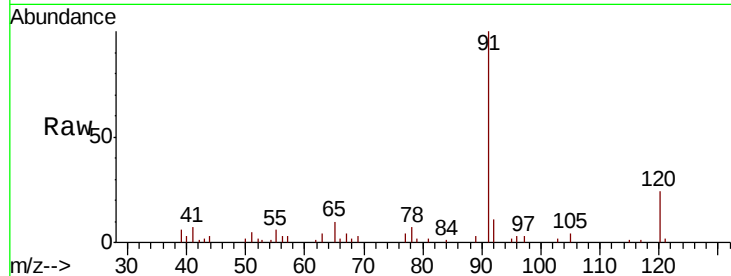
FK-GF-02-028-BRE

Tot Ion: 91 Resp: 39257

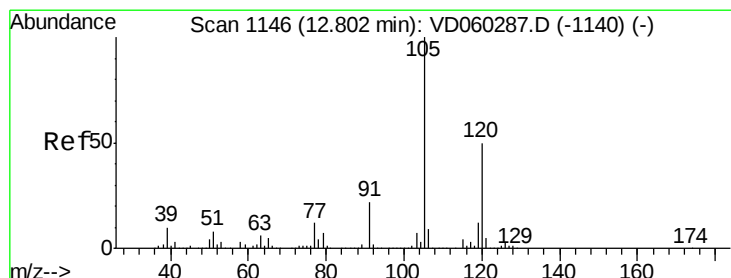
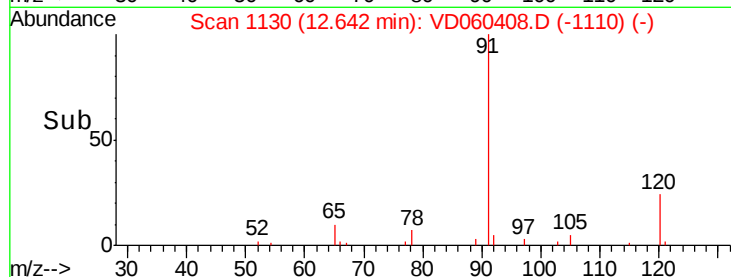
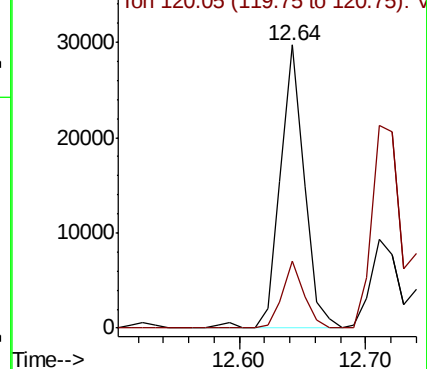
Ion Ratio Lower Upper

91 100

120 23.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 5.833 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060408.D

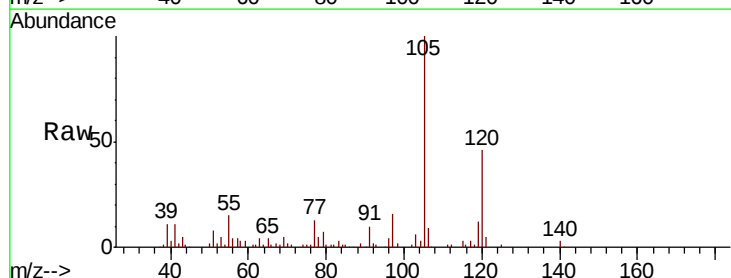
Acq: 16 Nov 2018 19:56

Tgt Ion:105 Resp: 135718

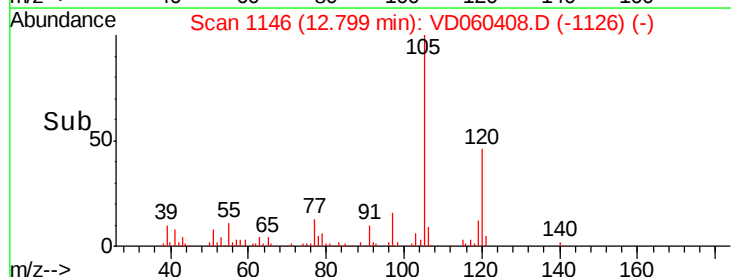
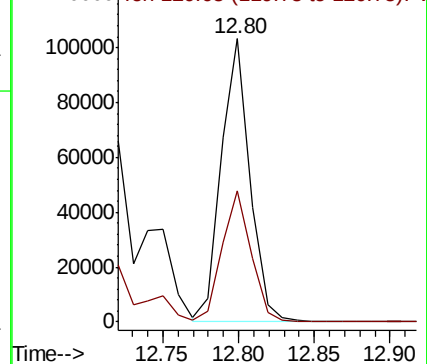
Ion Ratio Lower Upper

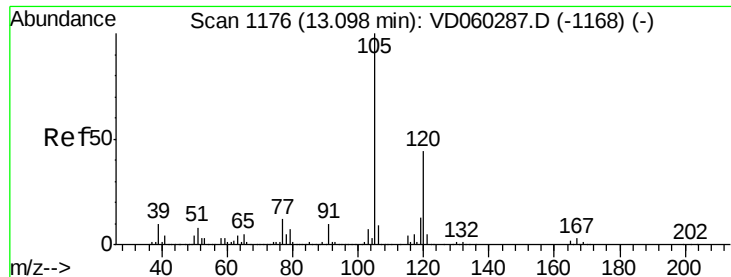
105 100

120 46.5 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V





#84

1,2,4-Trimethylbenzene

Concen: 13.045 ug/l

RT: 13.09 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VD060408.D

Acq: 16 Nov 2018 19:56

Instrument :

MSVOA_D

ClientSampleId :

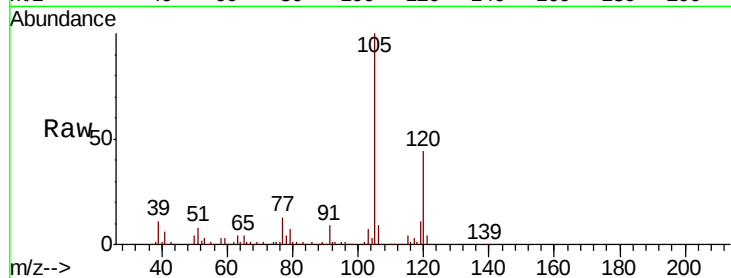
FK-GF-02-028-BRE

Tot Ion:105 Resp: 303111

Ion Ratio Lower Upper

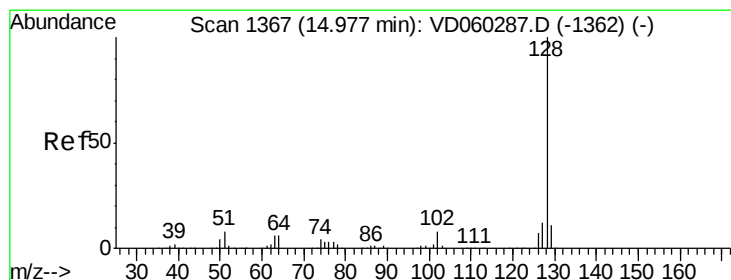
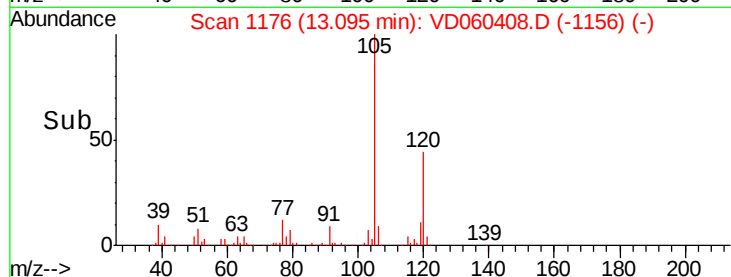
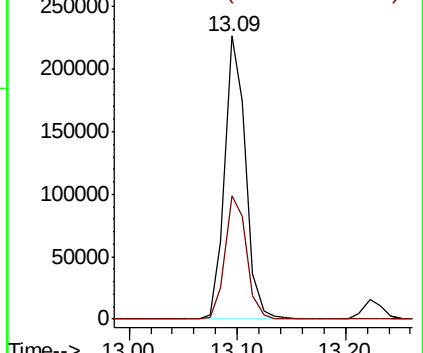
105 100

120 43.6 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#95

Naphthalene

Concen: 4.658 ug/l

RT: 14.97 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060408.D

Acq: 16 Nov 2018 19:56

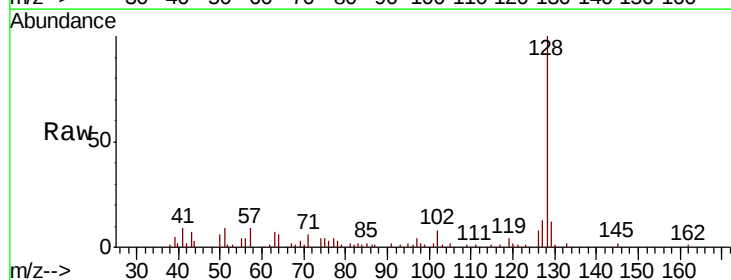
Tgt Ion:128 Resp: 52405

Ion Ratio Lower Upper

128 100

127 13.3 9.6 14.4

129 11.6 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

