

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060618.D
 Acq On : 6 Nov 2018 17:55
 Operator : VA/AP
 Sample : J5767-05
 Misc : 6.67g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-110118-C

Manual Integrations
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 11/7/2018 11:21:38 AM

Quant Time: Nov 06 17:21:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	290235	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	498108	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	400057	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	168867	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	160004	54.56	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.12%	
35) Dibromofluoromethane	4.13	113	199824	51.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.84%	
50) Toluene-d8	7.58	98	442263	38.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	77.58%	
62) 4-Bromofluorobenzene	11.42	95	183325	36.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.52%	
Target Compounds						
16) Acetone	2.25	43	37257m	53.918	ug/l	Qvalue
20) Methylene Chloride	2.19	84	19640m	4.627	ug/l	
40) Benzene	4.66	78	17916	1.346	ug/l #	86
52) Toluene	7.64	92	24841	2.864	ug/l	77
68) m/p-Xylenes	10.15	106	12663	2.264	ug/l #	74
69) o-Xylene	10.73	106	6241	1.022	ug/l	95
95) Naphthalene	14.47	128	9961	1.384	ug/l #	94

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

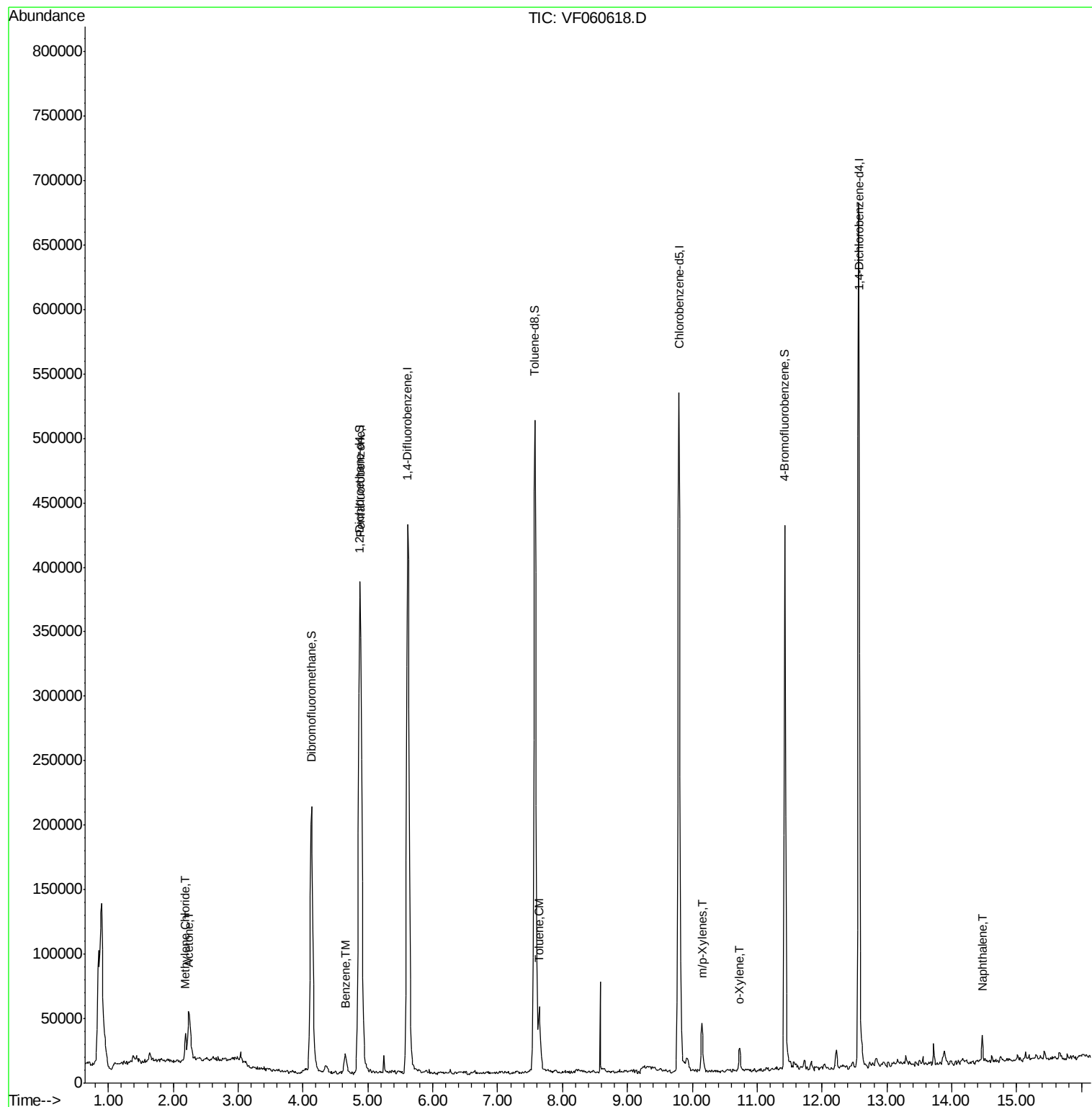
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110618\
Data File : VF060618.D
Acq On : 6 Nov 2018 17:55
Operator : VA/AP
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ALS Vial : 12 Sample Multiplier: 1

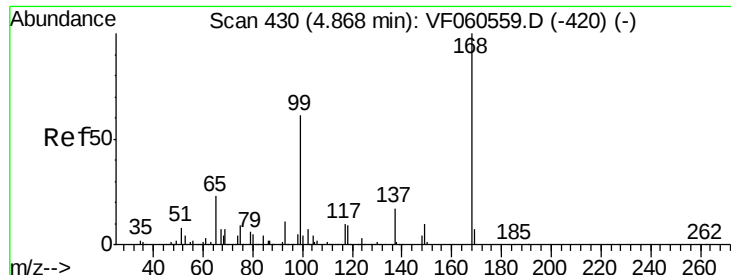
Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-C

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Quant Time: Nov 06 17:21:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF060618.D

Acq: 6 Nov 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

CL-02-110118-C

Tot Ion:168 Resp: 290235

Ion Ratio Lower Upper

168 100

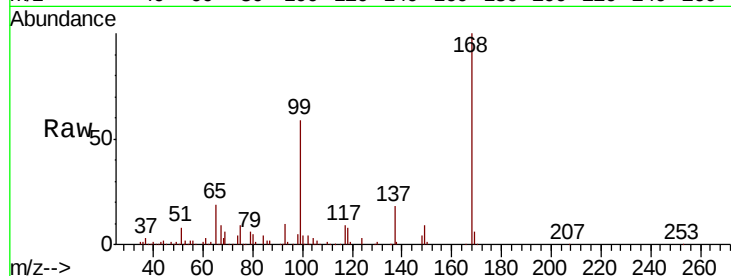
99 59.2 48.6 72.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

100000

80000

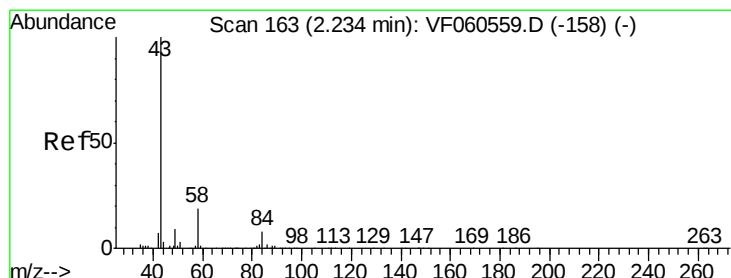
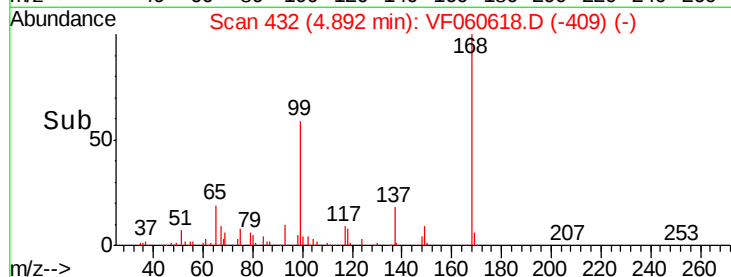
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#16

Acetone

Concen: 53.918 ug/l m

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF060618.D

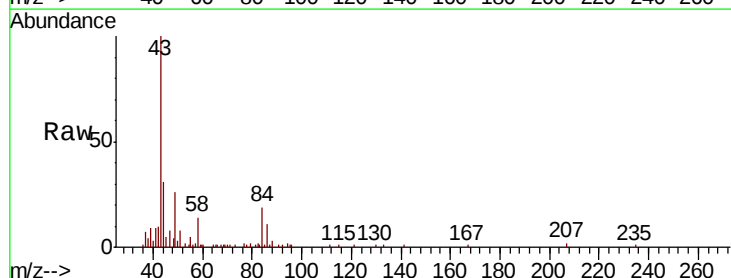
Acq: 6 Nov 2018 17:55

Tgt Ion: 43 Resp: 37257

Ion Ratio Lower Upper

43 100

58 14.4 14.6 22.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

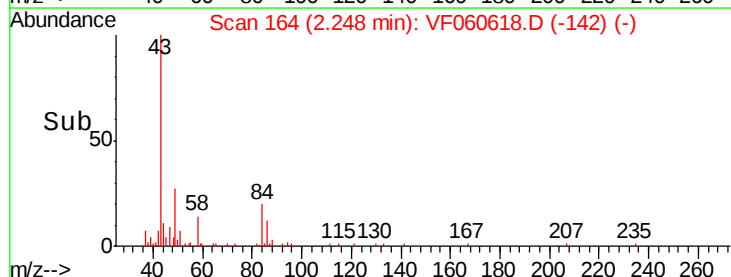
15000

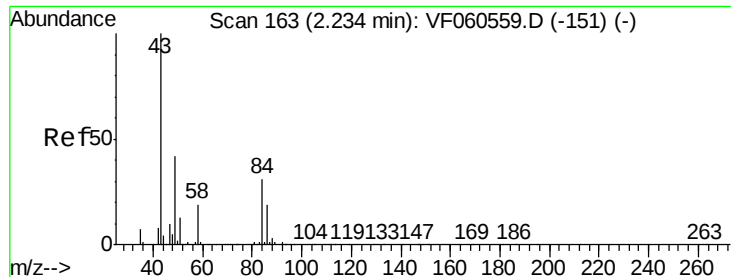
10000

5000

0

Time--> 2.20 2.25 2.30 2.35





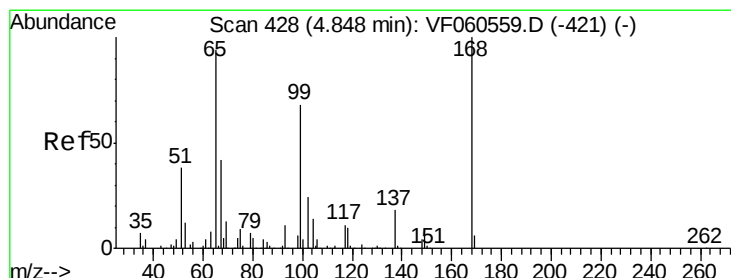
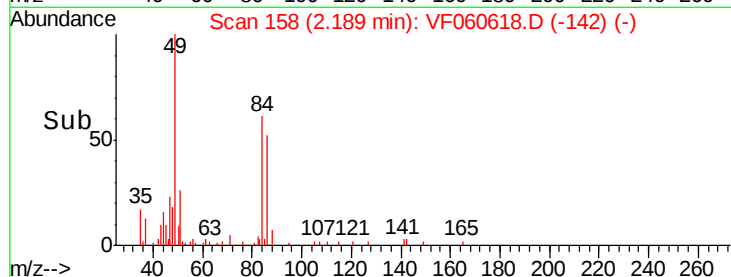
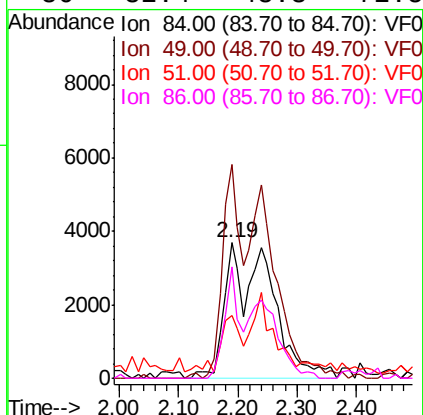
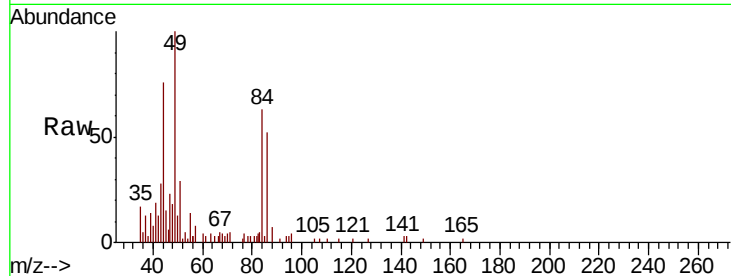
#20
Methvlene Chloride
Concen: 4.627 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.04 min
Lab File: VF060618.D
Acq: 6 Nov 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-C

Tot Ion	Ratio	Lower	Upper
84	100		
49	157.7	109.9	164.9
51	46.2	35.8	53.8
86	82.4	48.3	72.5

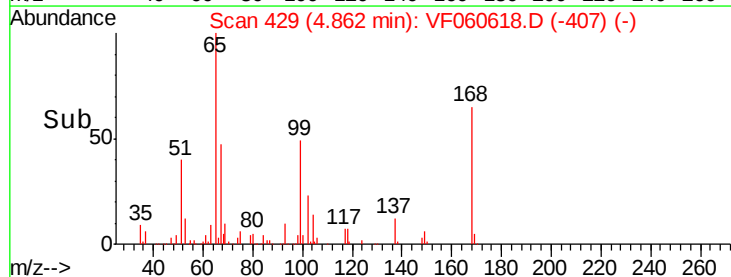
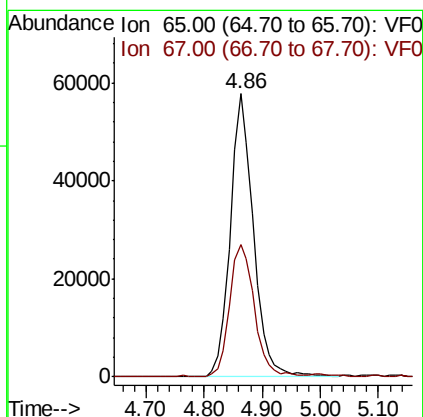
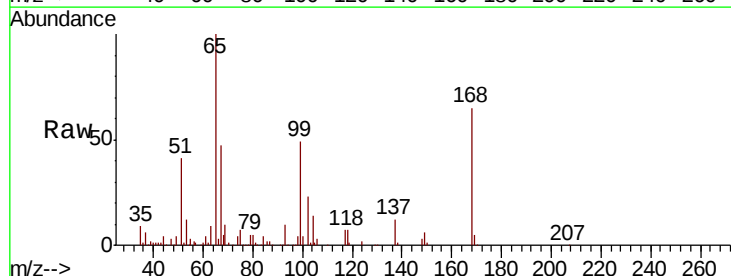
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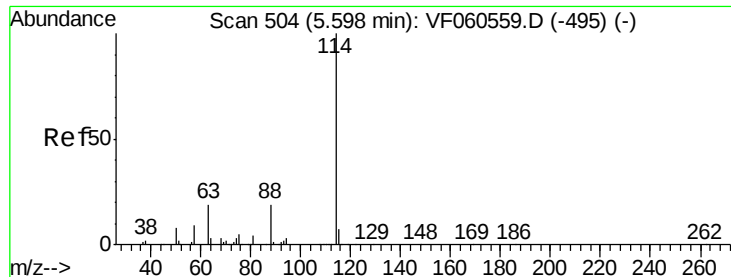
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#33
1,2-Dichloroethane-d4
Concen: 54.563 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF060618.D
Acq: 6 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
65	100		
67	46.6	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060618.D

Acq: 6 Nov 2018 17:55

Instrument :

MSVOA_F

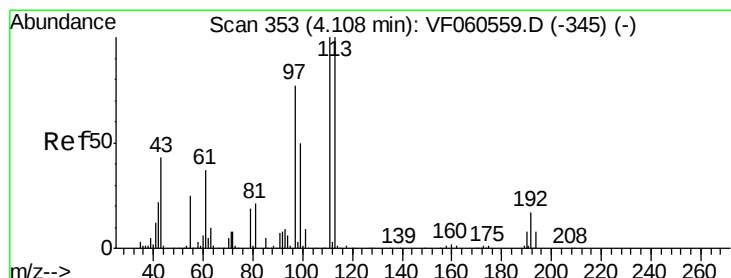
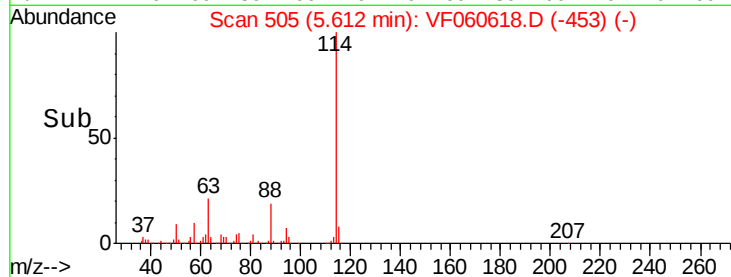
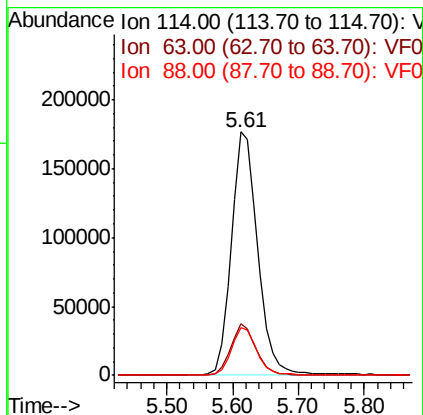
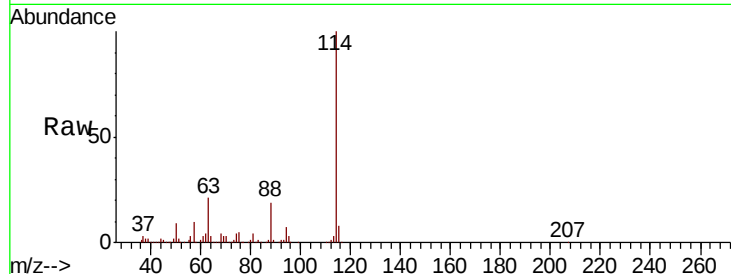
ClientSampleId :

CL-02-110118-C

Tot Ion:	114	Resp:	498108
Ion Ratio		Lower	Upper
114	100		
63	21.4	0.0	39.0
88	19.4	0.0	38.2

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#35

Dibromofluoromethane

Concen: 51.924 ug/l

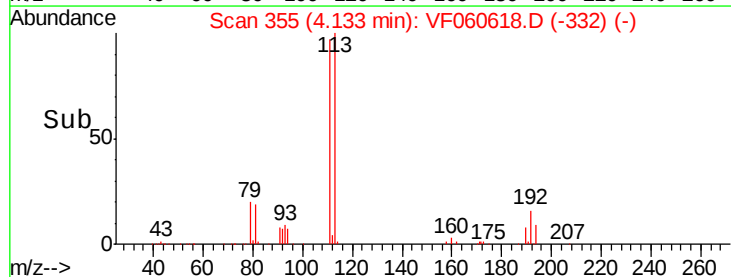
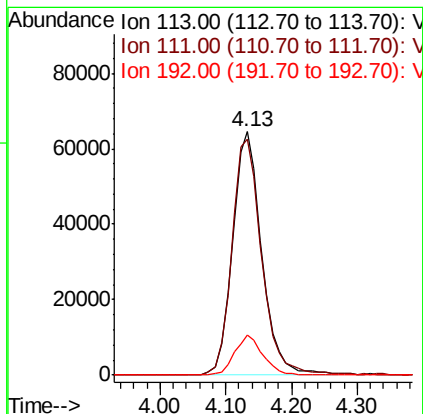
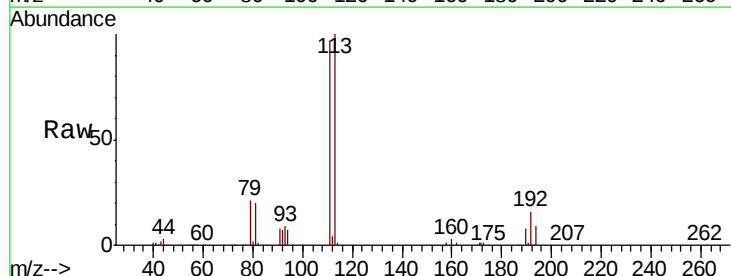
RT: 4.13 min Scan# 355

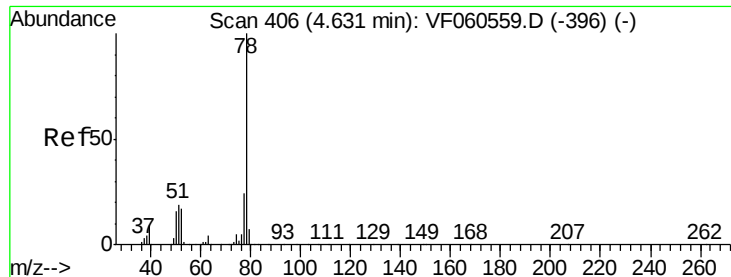
Delta R.T. 0.02 min

Lab File: VF060618.D

Acq: 6 Nov 2018 17:55

Tgt Ion:	113	Resp:	199824
Ion Ratio		Lower	Upper
113	100		
111	97.0	79.9	119.9
192	16.7	13.3	19.9





#40

Benzene

Concen: 1.346 ug/l

RT: 4.66 min Scan# 408

Delta R.T. 0.02 min

Lab File: VF060618.D

Acq: 6 Nov 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

CL-02-110118-C

Tot Ion: 78 Resp: 17916

Ion Ratio Lower Upper

78 100

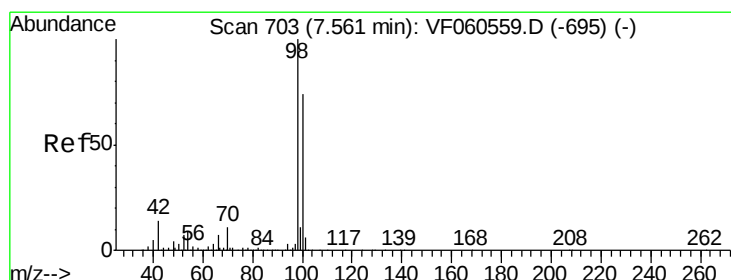
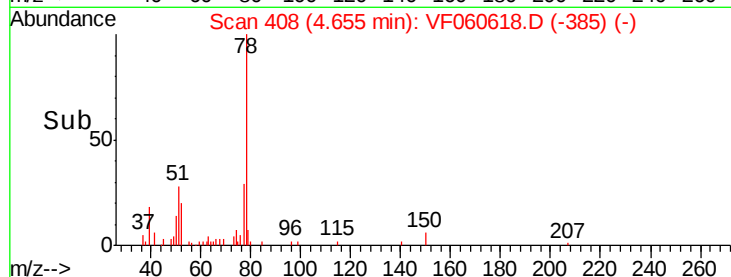
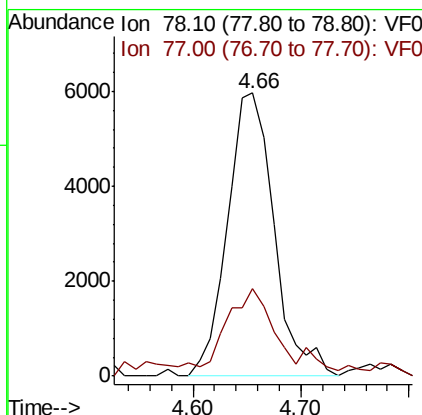
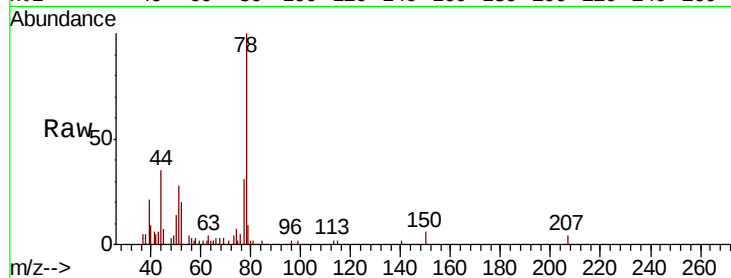
77 31.1 19.3 28.9#

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#50

Toluene-d8

Concen: 38.795 ug/l

RT: 7.58 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF060618.D

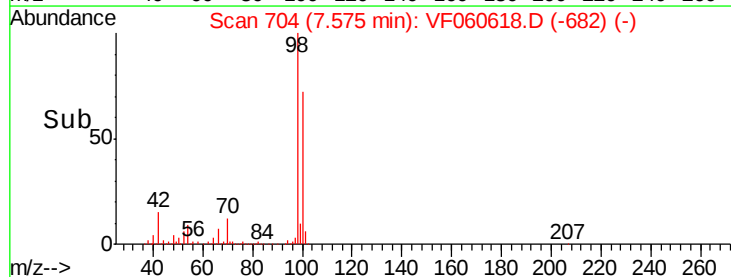
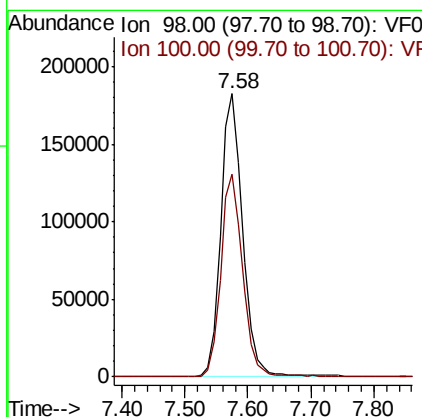
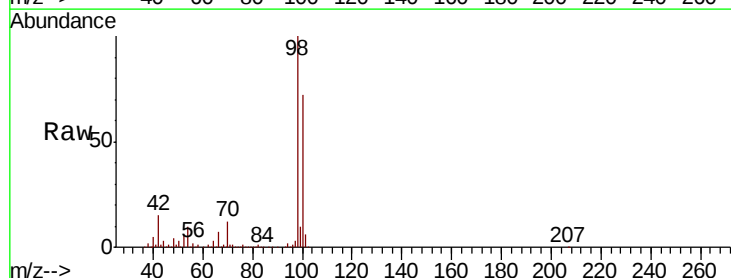
Acq: 6 Nov 2018 17:55

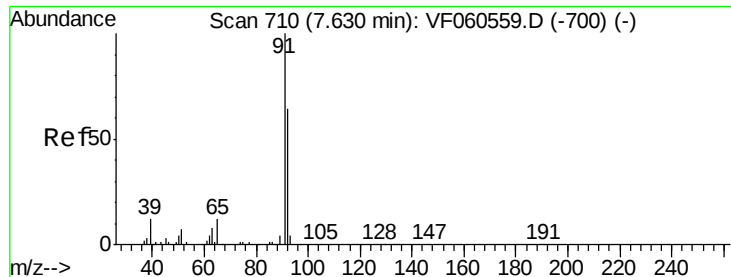
Tgt Ion: 98 Resp: 442263

Ion Ratio Lower Upper

98 100

100 71.6 59.4 89.2





#52

Toluene

Concen: 2.864 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF060618.D

Acq: 6 Nov 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

CL-02-110118-C

Tot Ion: 92 Resp: 24841

Ion Ratio Lower Upper

92 100

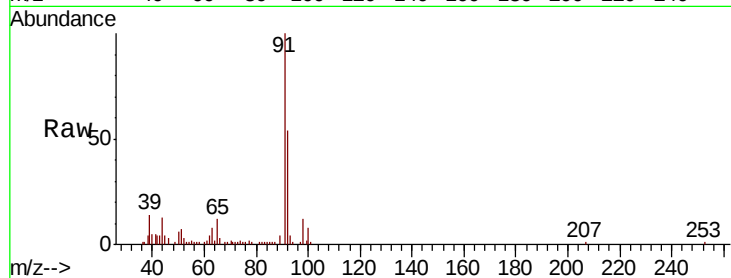
91 184.9 124.5 186.7

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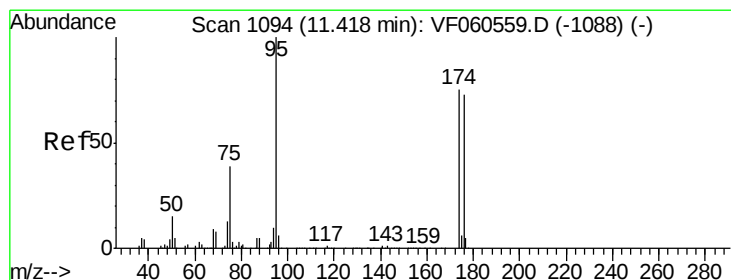
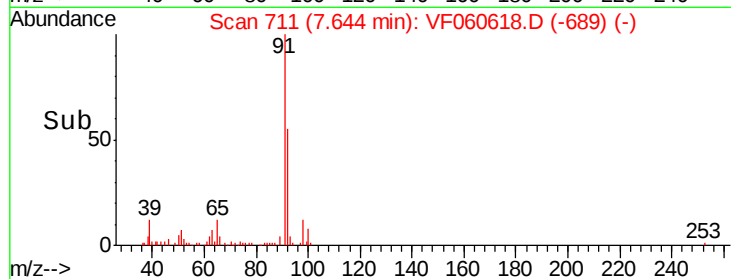
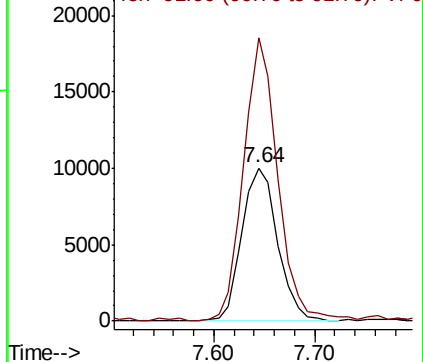
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 36.764 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060618.D

Acq: 6 Nov 2018 17:55

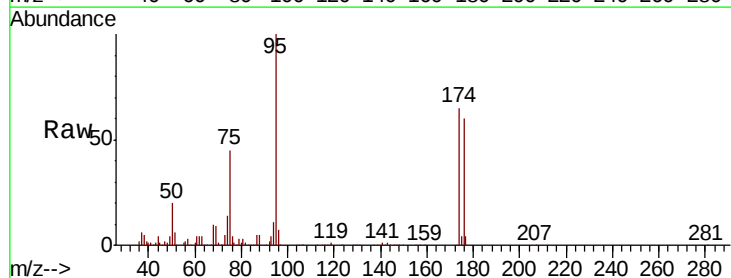
Tgt Ion: 95 Resp: 183325

Ion Ratio Lower Upper

95 100

174 64.9 0.0 149.0

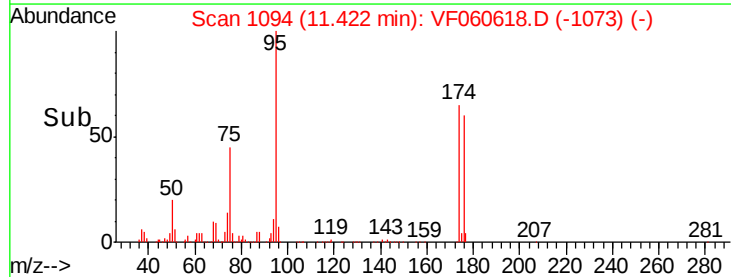
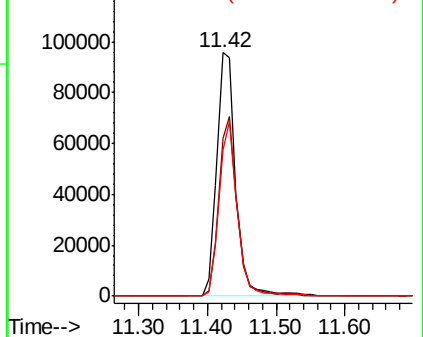
176 60.1 0.0 145.6

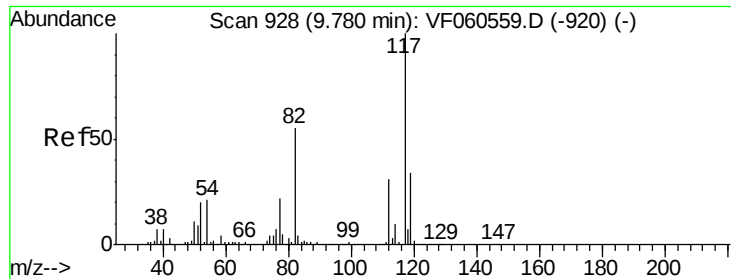


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





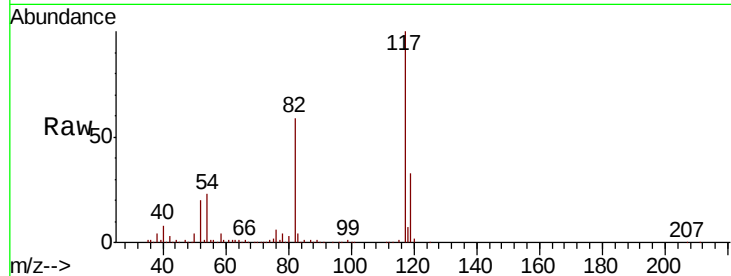
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF060618.D
Acq: 6 Nov 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-C

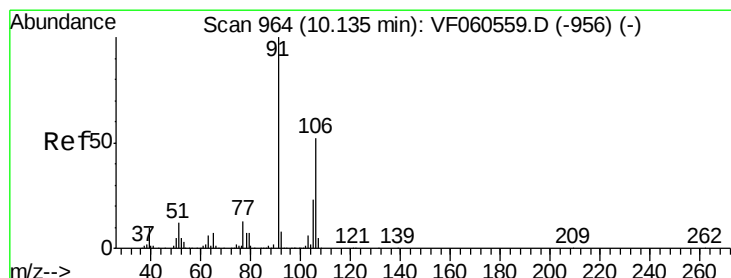
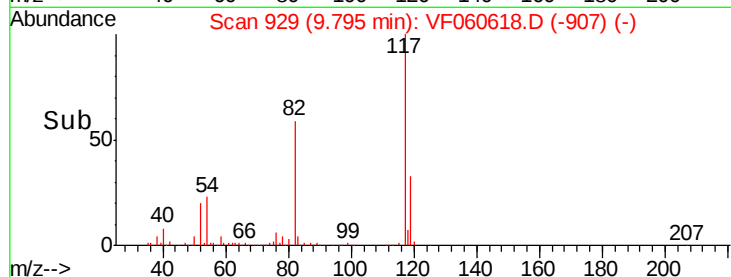
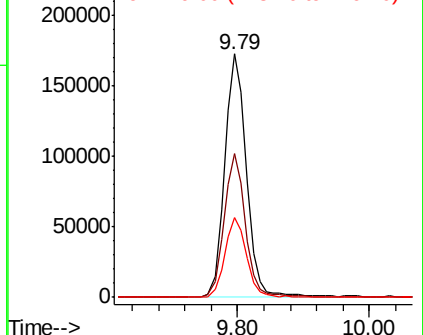
Tot Ion	Ratio	Resp	Lower	Upper
117	100	400057		
82	59.2		43.9	65.9
119	32.6		27.4	41.0

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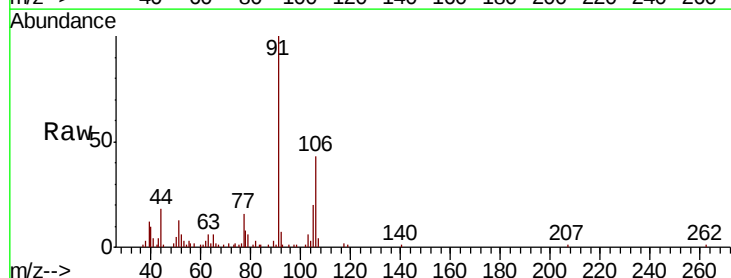


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

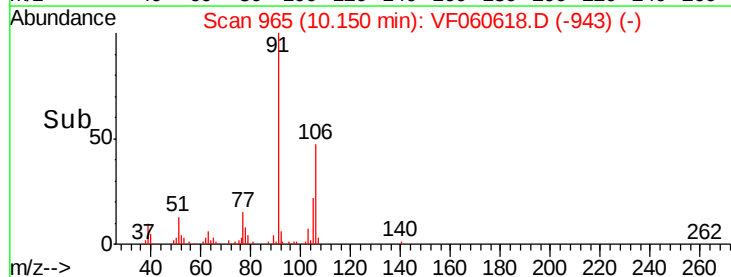
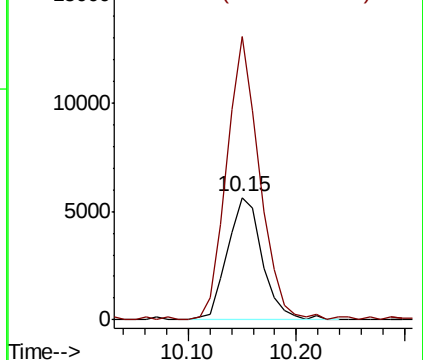


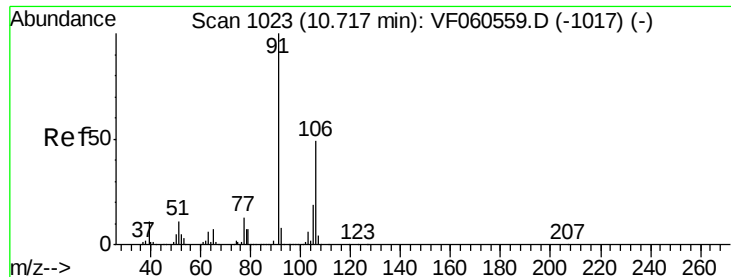
#68
m/p-Xylenes
Concen: 2.264 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF060618.D
Acq: 6 Nov 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	12663		
91	231.4		153.9	230.9#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





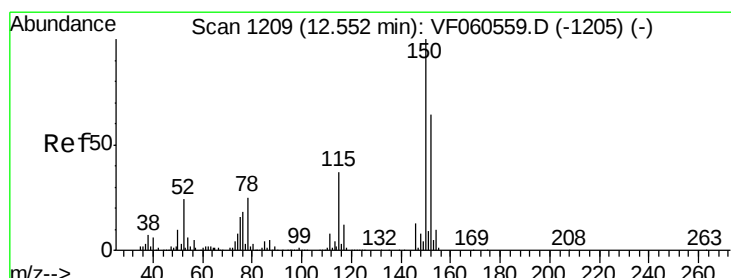
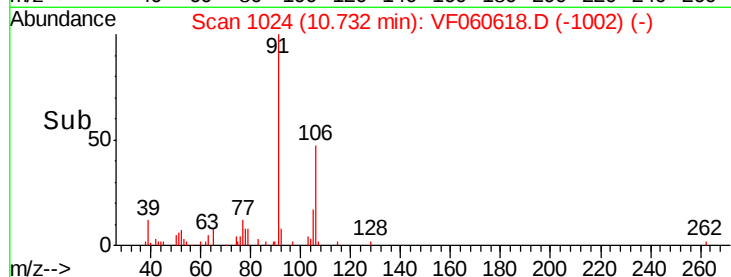
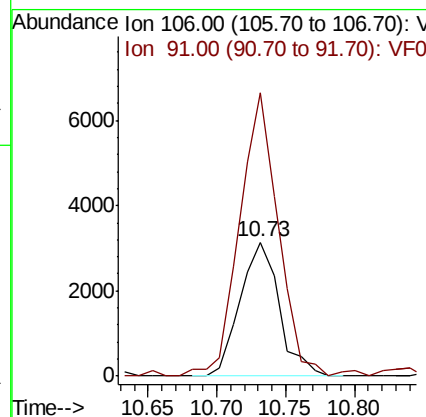
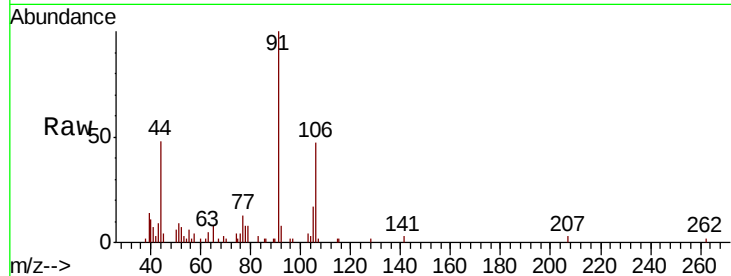
#69
o-Xylene
Concen: 1.022 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF060618.D
Acq: 6 Nov 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-C

Tot Ion:106 Resp: 6241
Ion Ratio Lower Upper
106 100
91 211.8 101.8 305.3

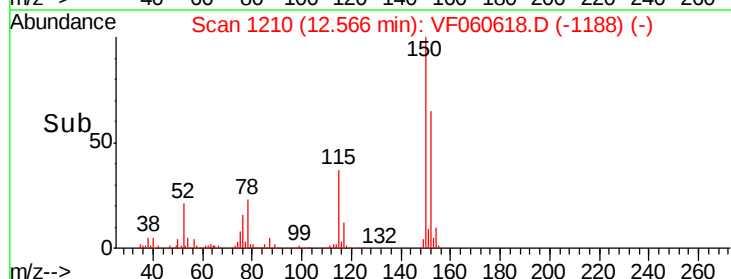
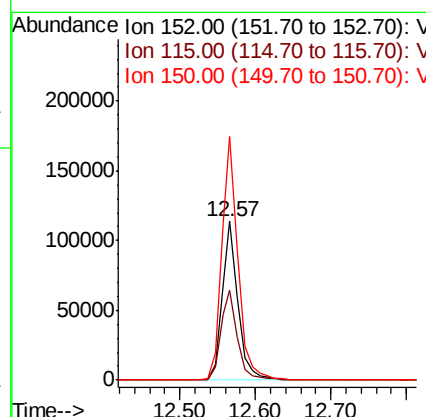
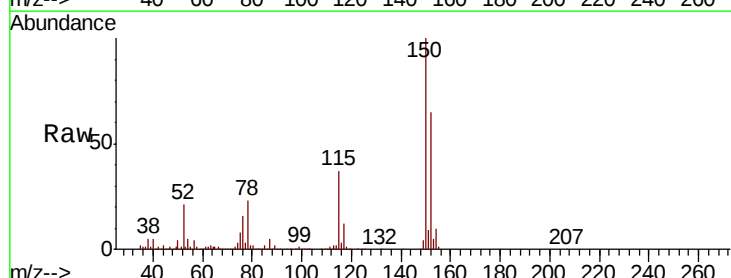
Manual Integrations
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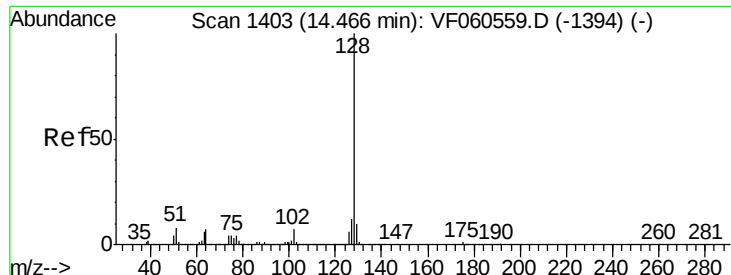
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060618.D
Acq: 6 Nov 2018 17:55

Tgt Ion:152 Resp: 168867
Ion Ratio Lower Upper
152 100
115 56.9 29.6 88.8
150 153.1 0.0 315.6





#95
Naphthalene
Concen: 1.384 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060618.D
Acq: 6 Nov 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-C

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.9	9.4	14.0#
129	9.3	8.4	12.6

Manual Integrations
APPROVED

apatel
11/7/2018 11:21:38 AM

