

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061421.D
 Acq On : 16 Jan 2019 19:41
 Operator : VA/AP
 Sample : K1167-01RE
 Misc : 5.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JDHS-SOUTH-1RE

Manual Integrations
 APPROVED

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 1/17/2019 1:23:56 PM

Quant Time: Jan 17 03:23:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	216607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	405110	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	354537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	181241	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	135342	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
35) Dibromofluoromethane	4.11	113	157745	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
50) Toluene-d8	7.54	98	403997	46.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	11.41	95	189113	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
Target Compounds						
16) Acetone	2.24	43	11052	20.600	ug/l #	84
20) Methylene Chloride	2.18	84	18871m	8.918	ug/l	

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

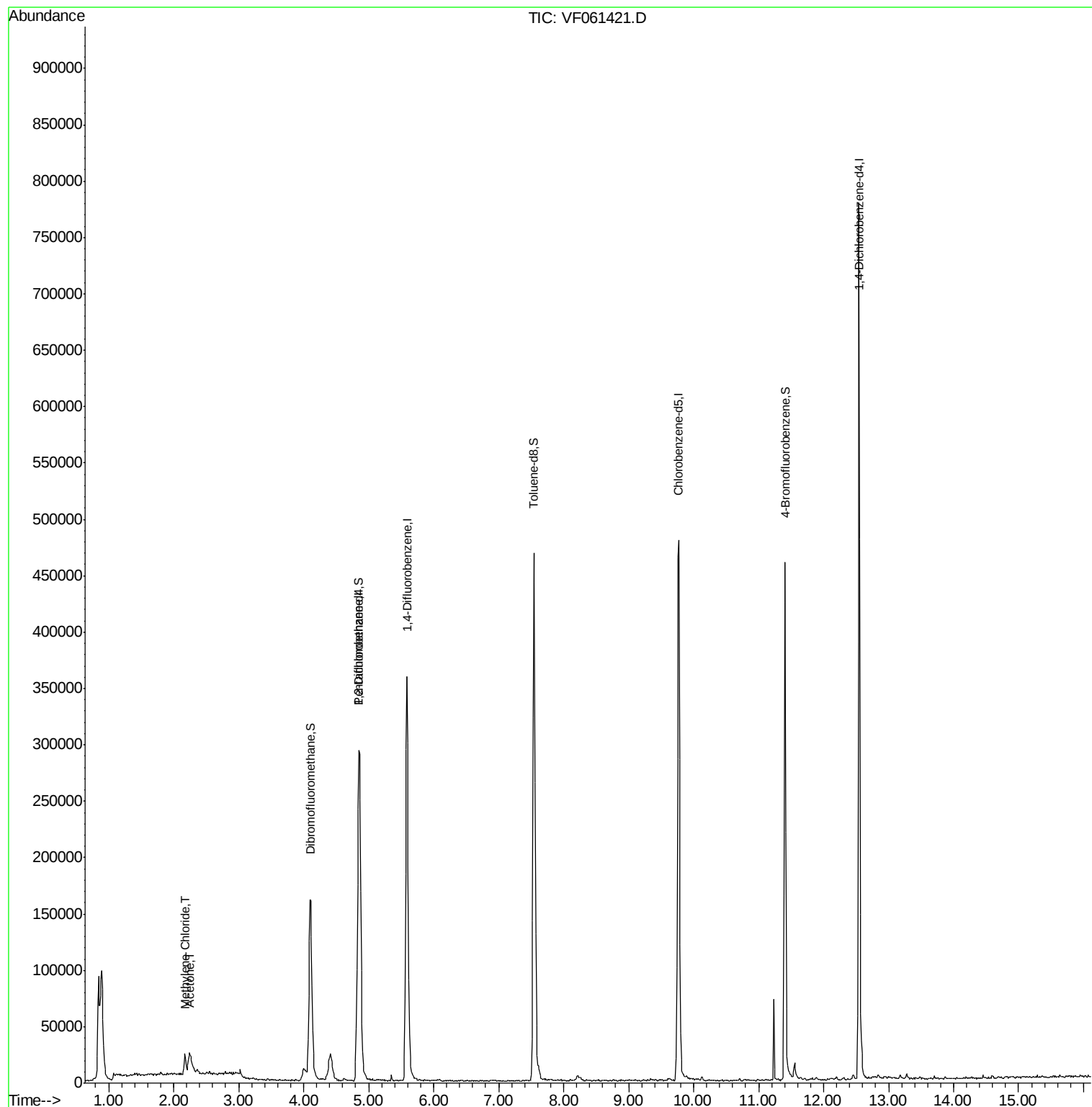
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
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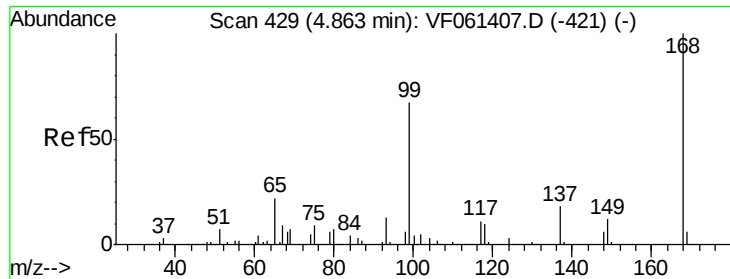
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061421.D

Acq: 16 Jan 2019 19:41

Instrument :

MSVOA_F

ClientSampleId :

JDHS-SOUTH-1RE

Tot Ion:168 Resp: 216607

Ion Ratio Lower Upper

168 100

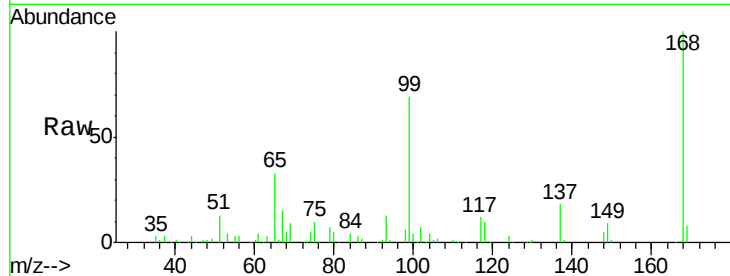
99 68.8 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

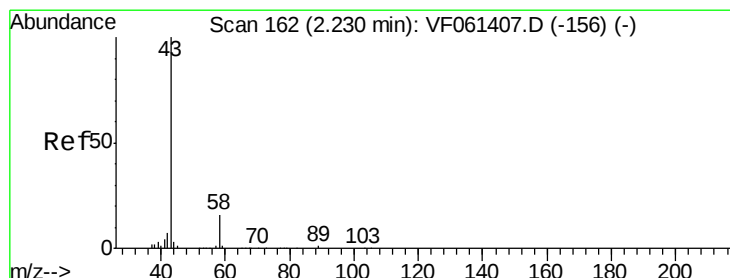
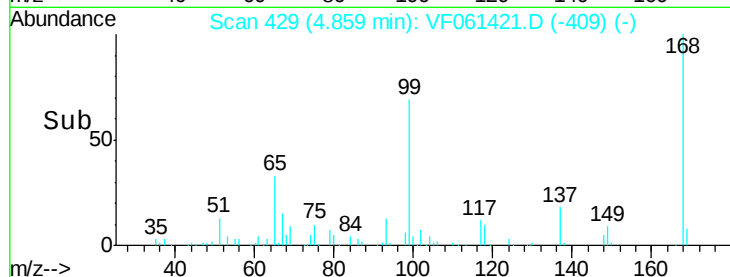
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 20.600 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061421.D

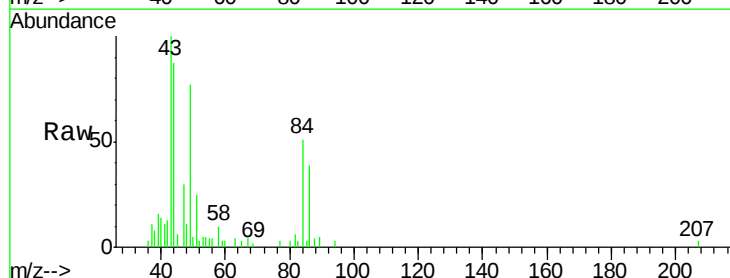
Acq: 16 Jan 2019 19:41

Tgt Ion: 43 Resp: 11052

Ion Ratio Lower Upper

43 100

58 9.8 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

5000

4000

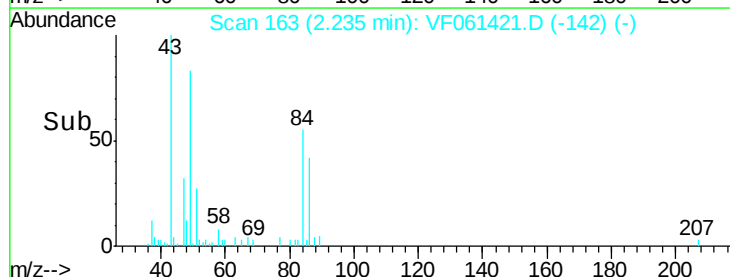
3000

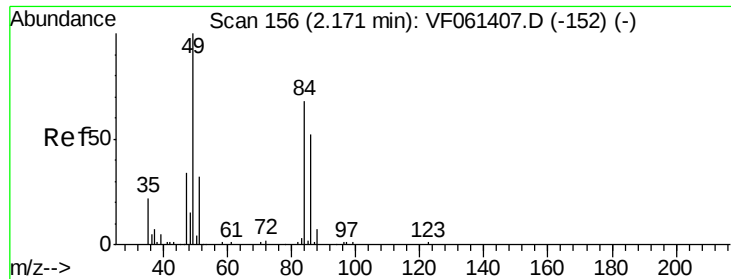
2000

1000

0

Time-->





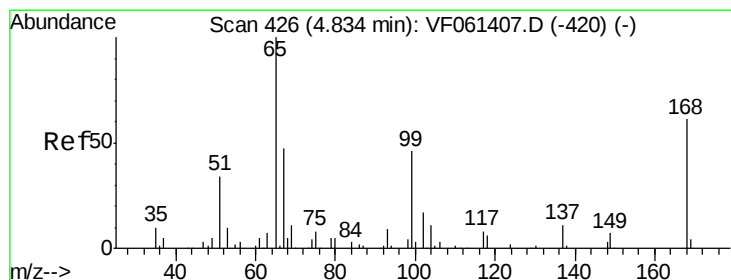
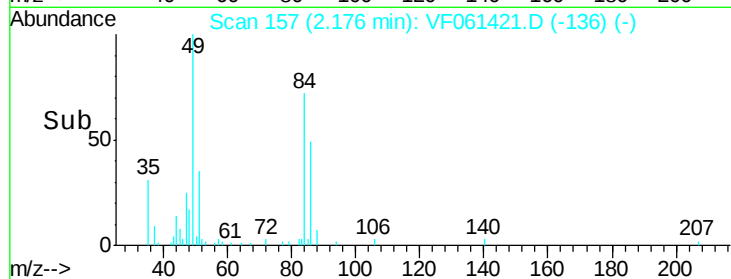
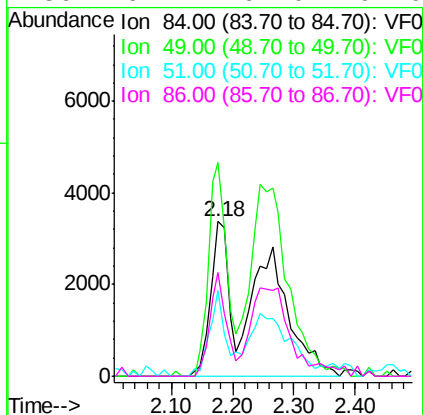
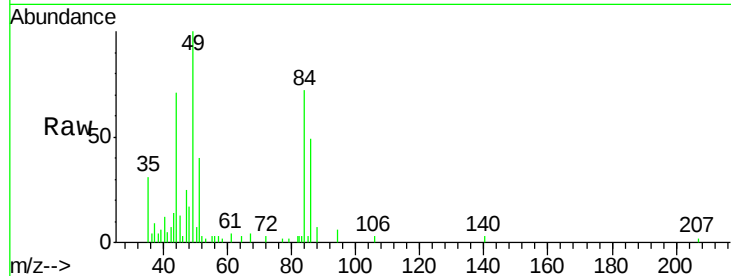
#20
Methvlene Chloride
Concen: 8.918 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061421.D
Acq: 16 Jan 2019 19:41

Instrument :
MSVOA_F
ClientSampleId :
JDHS-SOUTH-1RE

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	138.0	120.0	180.0	
51	55.1	38.6	58.0	
86	67.2	61.0	91.6	

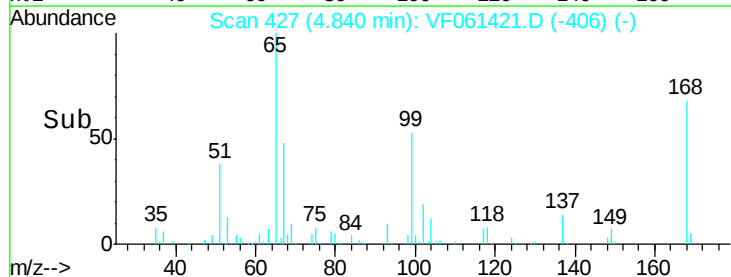
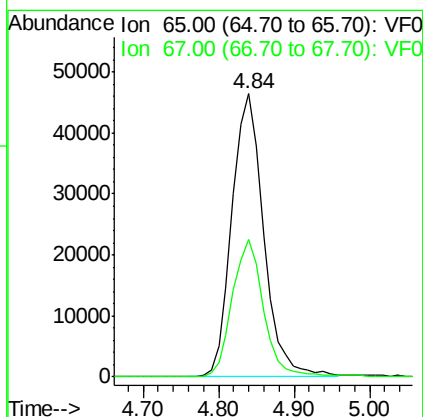
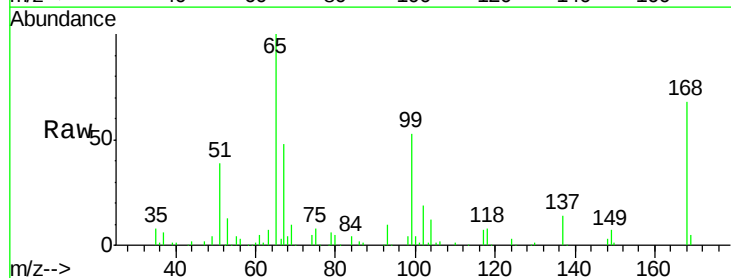
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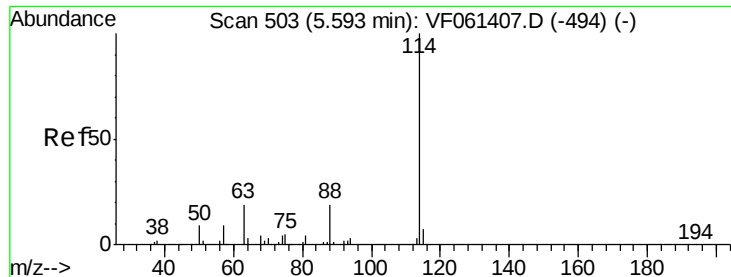
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#33
1,2-Dichloroethane-d4
Concen: 50.608 ug/l
RT: 4.84 min Scan# 427
Delta R.T. 0.01 min
Lab File: VF061421.D
Acq: 16 Jan 2019 19:41

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
67	48.5	0.0	99.8	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061421.D

Acq: 16 Jan 2019 19:41

Instrument :

MSVOA_F

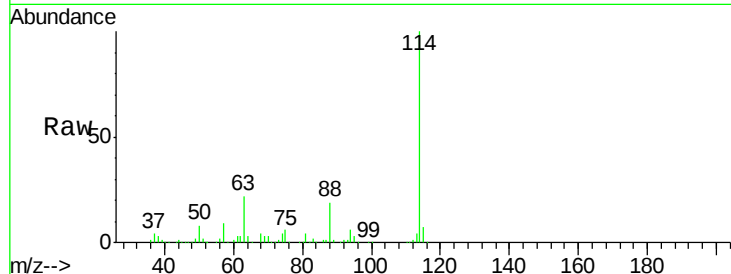
ClientSampleId :

JDHS-SOUTH-1RE

Tot Ion	Ratio	Resp	Lower	Upper
114	100	405110		
63	21.9		0.0	39.0
88	18.7		0.0	37.4

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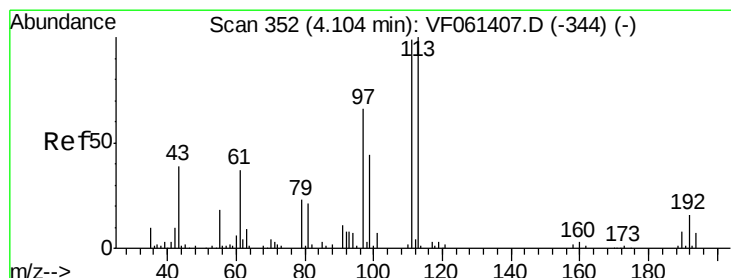
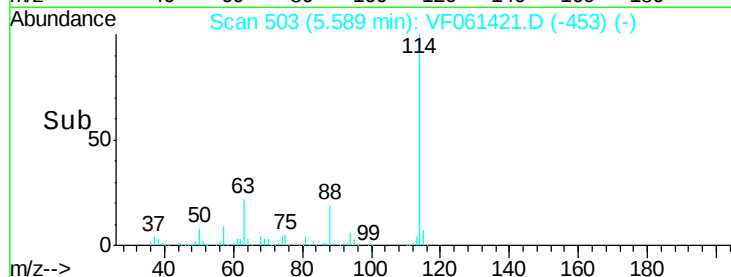
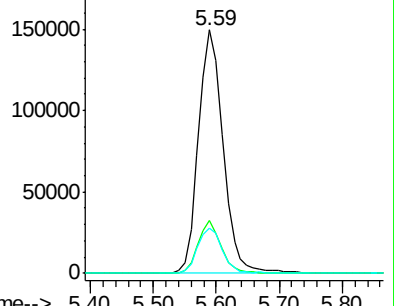
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 49.347 ug/l

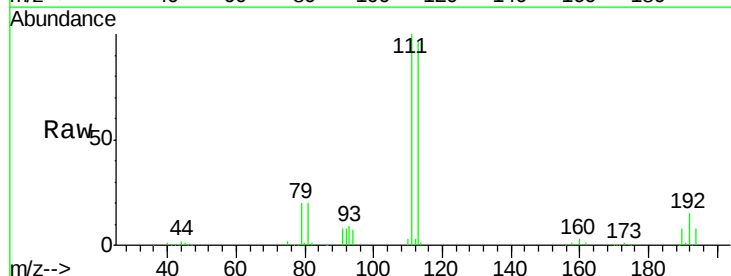
RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061421.D

Acq: 16 Jan 2019 19:41

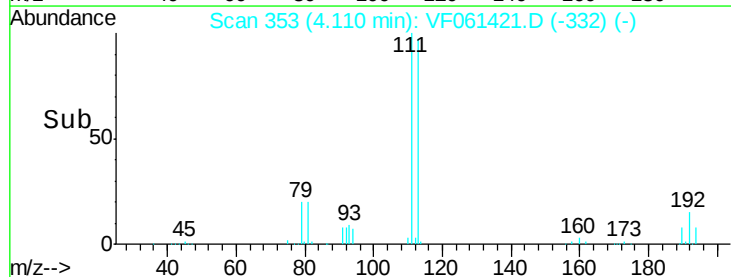
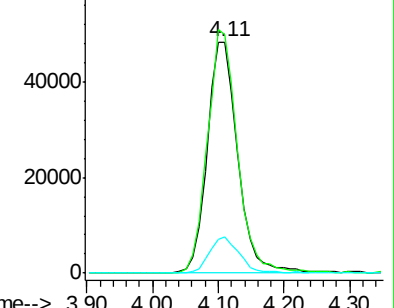
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	157745		
111	103.1		79.4	119.0
192	15.7		12.4	18.6

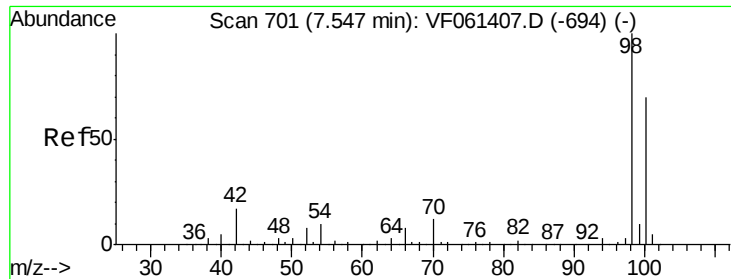


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 46.127 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061421.D

Acq: 16 Jan 2019 19:41

Instrument :

MSVOA_F

ClientSampleId :

JDHS-SOUTH-1RE

Tot Ion: 98 Resp: 403997

Ion Ratio Lower Upper

98 100

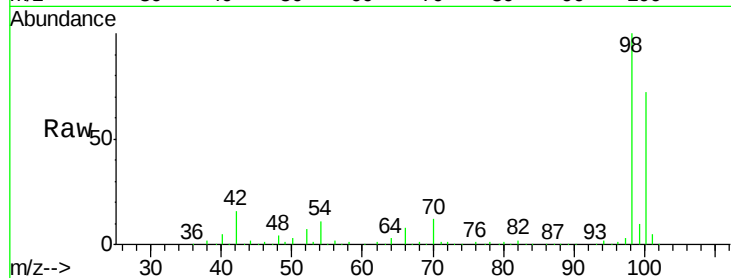
100 72.0 55.6 83.4

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.54

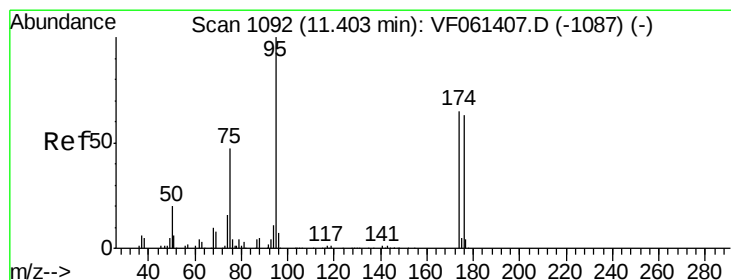
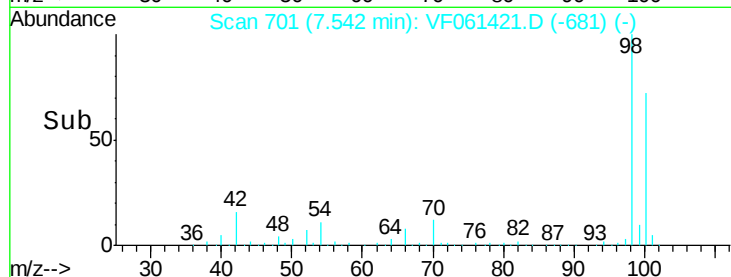
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.214 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061421.D

Acq: 16 Jan 2019 19:41

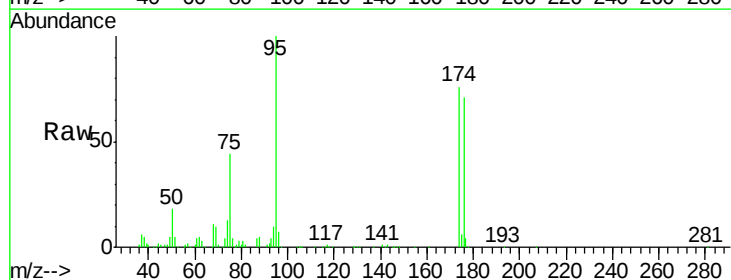
Tgt Ion: 95 Resp: 189113

Ion Ratio Lower Upper

95 100

174 76.3 0.0 130.4

176 71.3 0.0 126.2



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

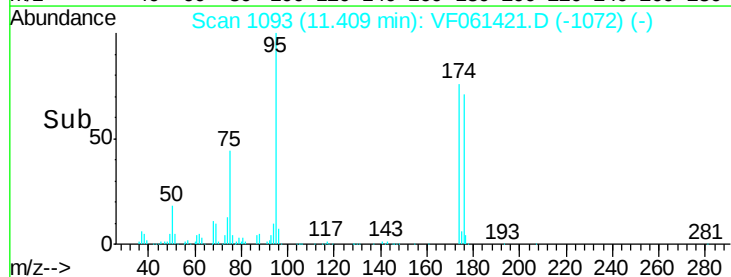
11.41

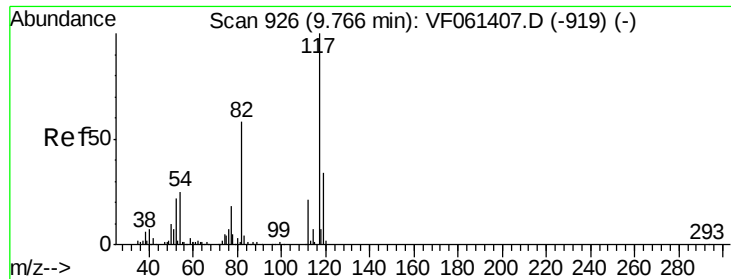
100000

50000

0

Time-->





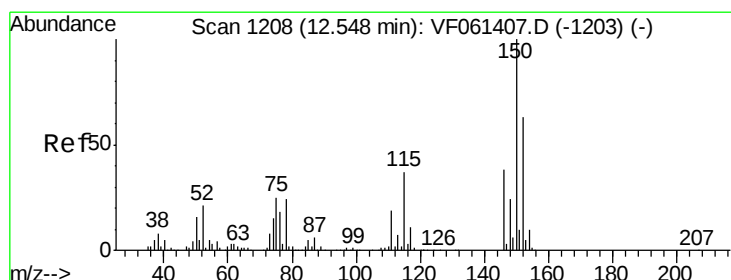
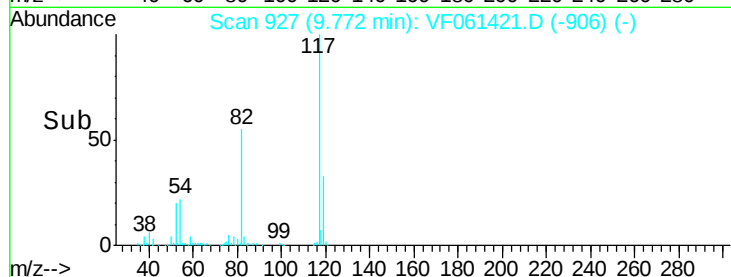
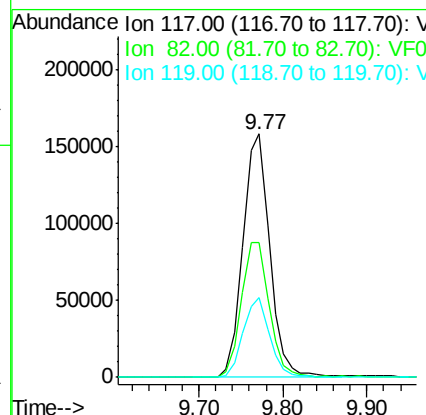
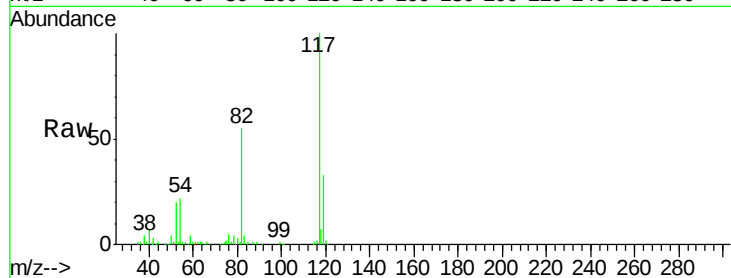
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061421.D
Acq: 16 Jan 2019 19:41

Instrument :
MSVOA_F
ClientSampleId :
JDHS-SOUTH-1RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.4	69.6
119	32.6	27.2	40.8

Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061421.D
Acq: 16 Jan 2019 19:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.0	90.0
150	151.4	0.0	321.4

