

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060528.D
 Acq On : 26 Oct 2018 20:49
 Operator : VA/AP
 Sample : J5204-13
 Misc : 7.04/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-102518-A

Manual Integrations
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Quant Time: Oct 27 04:05:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	301015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	520763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	355894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	135649	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	259860	43.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.86%	
35) Dibromofluoromethane	4.29	113	261157	41.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.68%	
50) Toluene-d8	7.71	98	505933	40.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.78%	
62) 4-Bromofluorobenzene	11.51	95	176851	25.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	50.70%	
Target Compounds						
20) Methylene Chloride	2.28	84	18890m	1.434	ug/l	
39) Methylcyclohexane	5.63	83	6550	1.041	ug/l #	77
52) Toluene	7.78	92	24685	2.960	ug/l	90
68) m/p-Xylenes	10.28	106	9268	1.932	ug/l	94
69) o-Xylene	10.83	106	9082	1.688	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	15018	1.587	ug/l	82
84) 1,2,4-Trimethylbenzene	12.29	105	63225	6.740	ug/l	94
95) Naphthalene	14.52	128	612066	108.823	ug/l	100

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

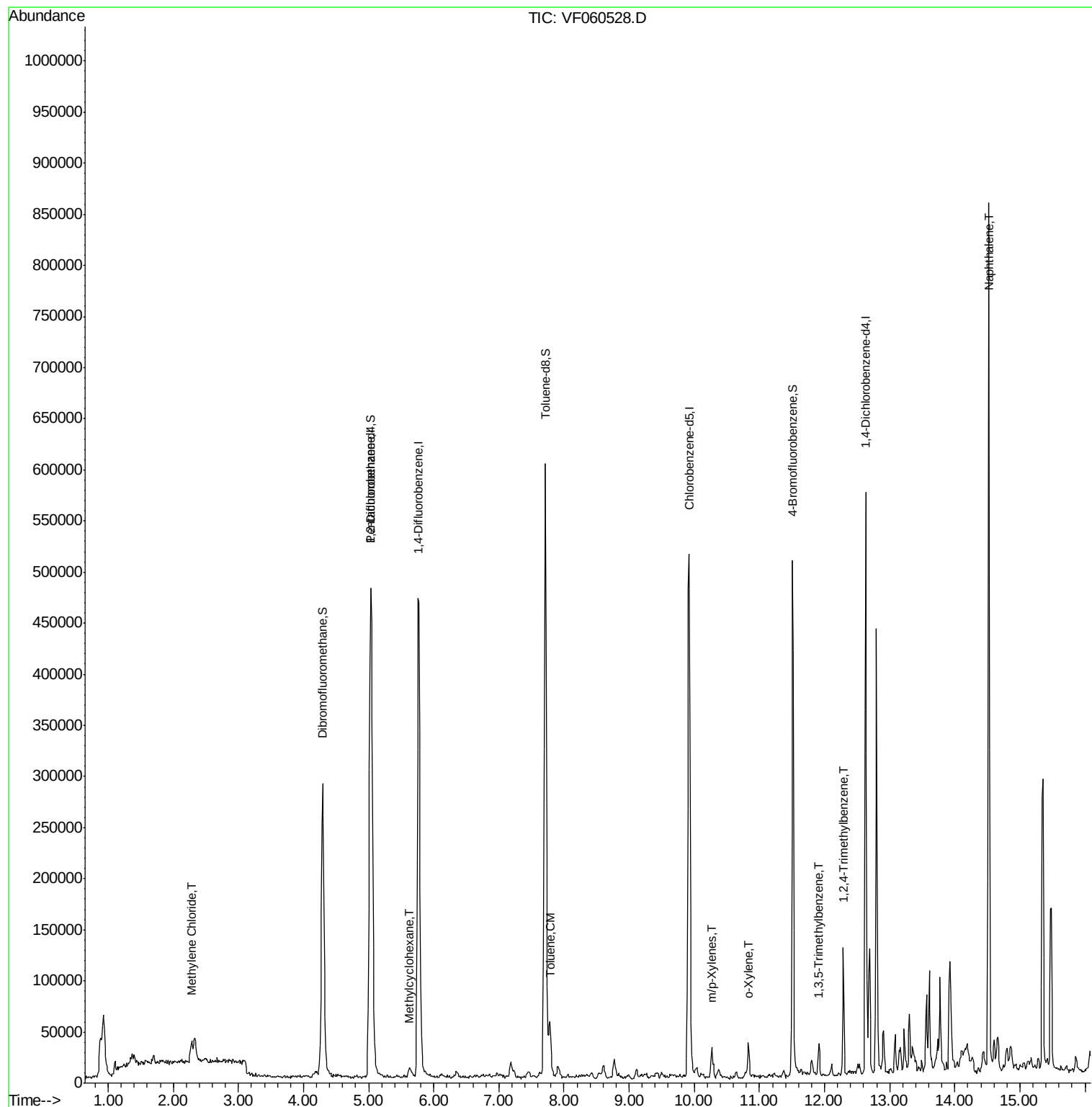
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102618\
Data File : VF060528.D
Acq On : 26 Oct 2018 20:49
Operator : VA/AP
Sample : J5204-13
Misc : 7.04/5mL/MSVOA F/SOIL
ALS Vial : 44 Sample Multiplier: 1

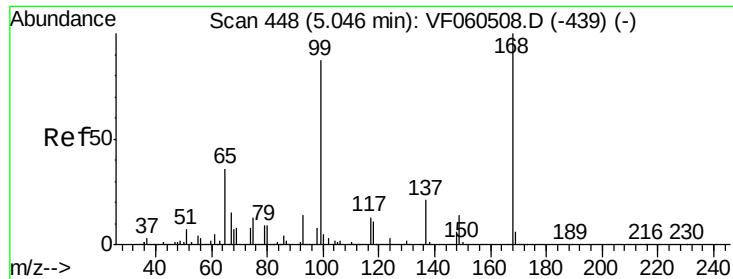
Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

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Quant Time: Oct 27 04:05:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

SU-01-102518-A

Tot Ion:168 Resp: 301015

Ion Ratio Lower Upper

168 100

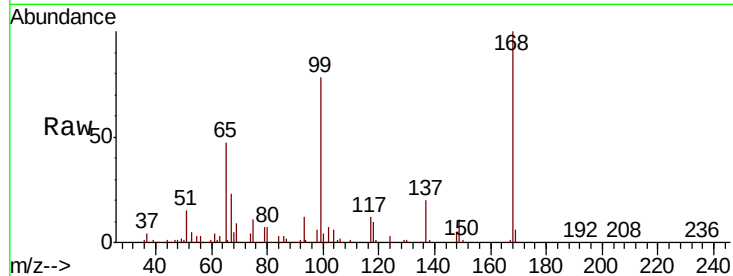
99 77.9 69.9 104.9

Manual Integrations

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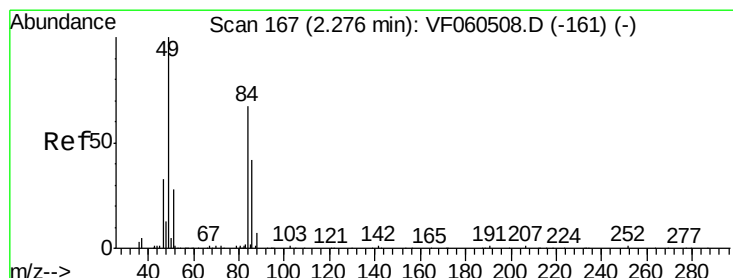
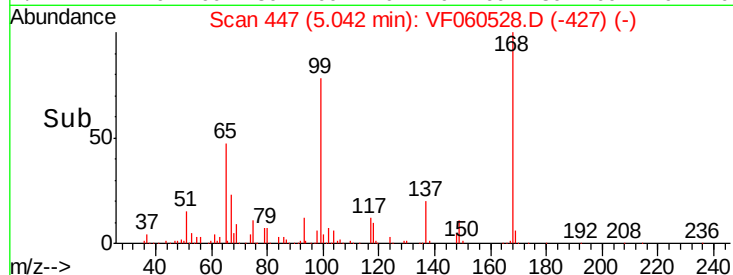
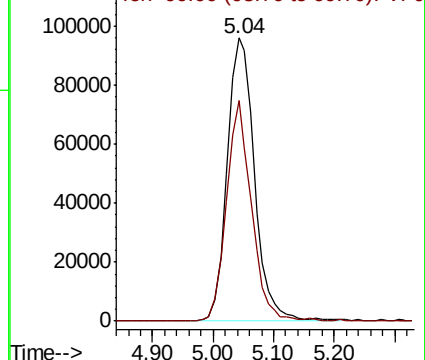
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#20

Methylene Chloride

Concen: 1.434 ug/l m

RT: 2.28 min Scan# 167

Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Tgt Ion: 84 Resp: 18890

Ion Ratio Lower Upper

84 100

49 115.0 123.1 184.7#

51 58.9 35.3 52.9#

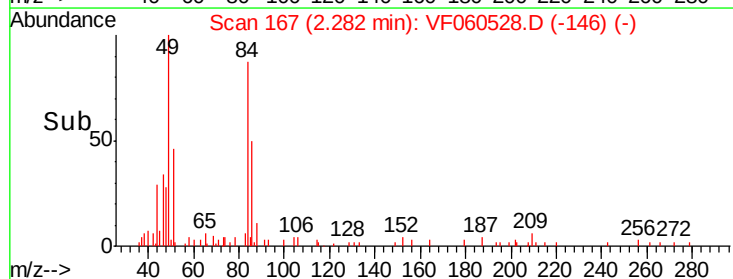
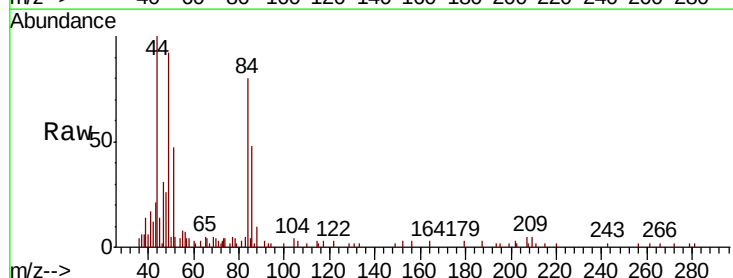
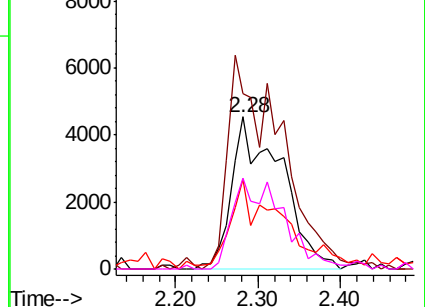
86 59.8 49.9 74.9

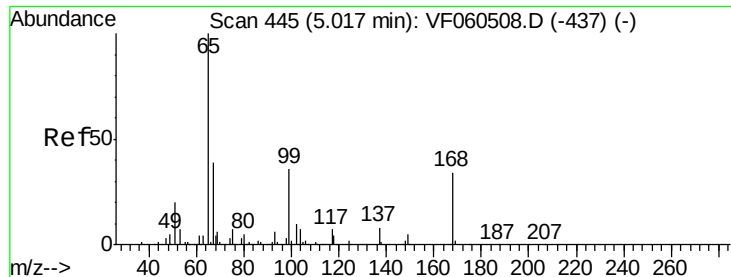
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 43.434 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060528.D

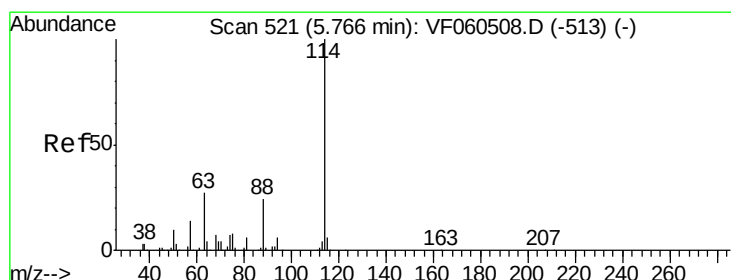
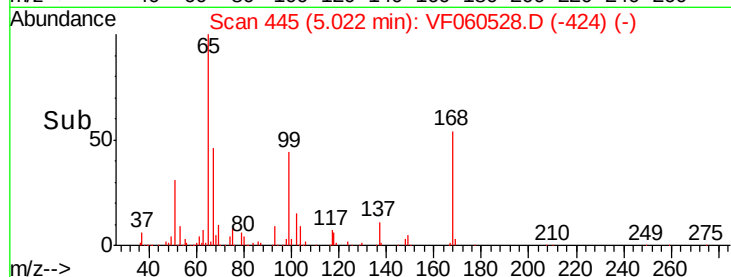
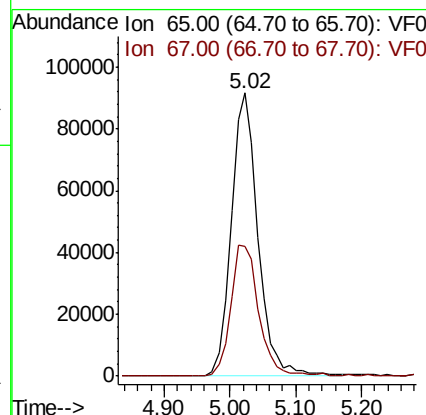
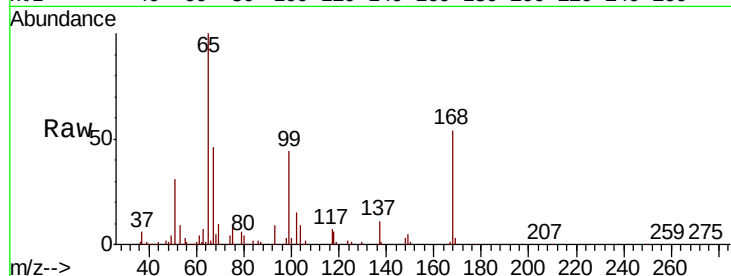
Acq: 26 Oct 2018 20:49

Tot Ion	Ratio	Resp	Lower	Upper
65	100	259860		
67	46.1	0.0	85.8	

Instrument :
MSVOA_F
ClientSampleId :
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

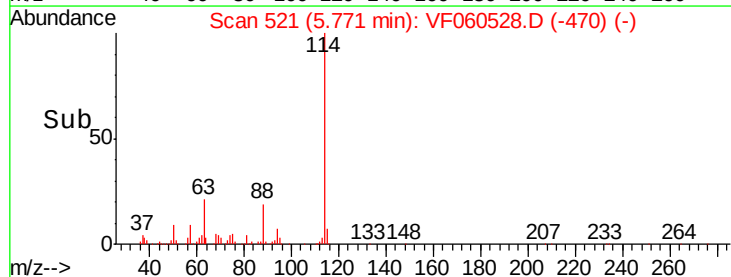
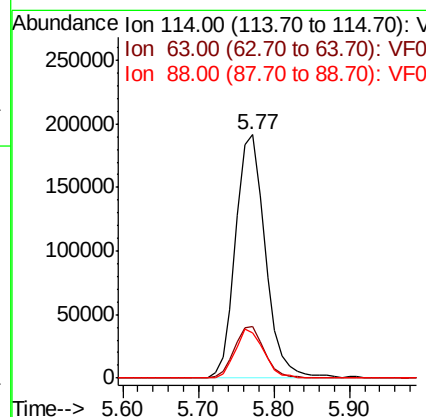
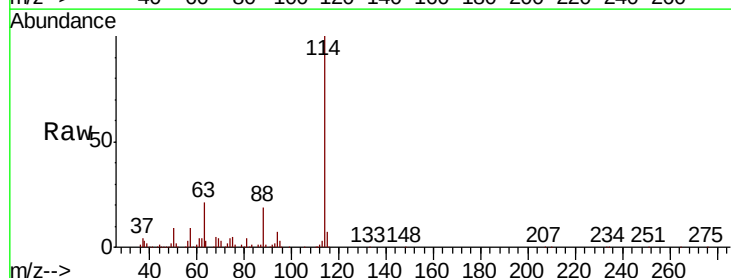
RT: 5.77 min Scan# 521

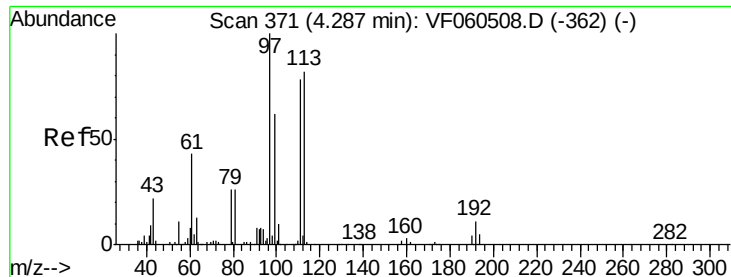
Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	520763		
63	21.2	0.0	54.4	
88	18.7	0.0	47.2	





#35

Dibromofluoromethane

Concen: 41.837 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Instrument :

MSVOA_F

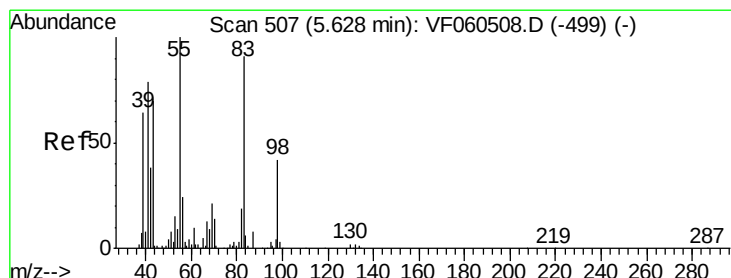
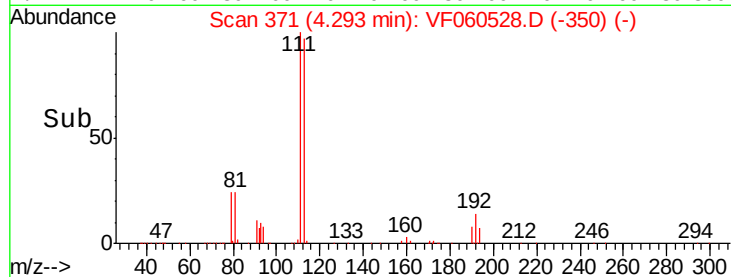
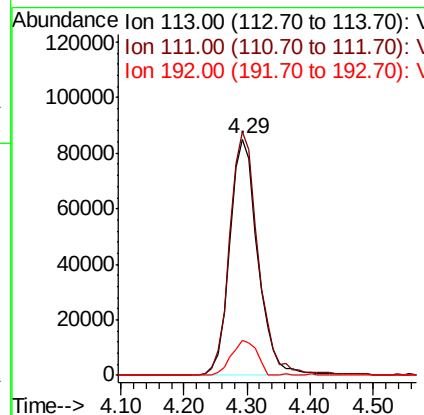
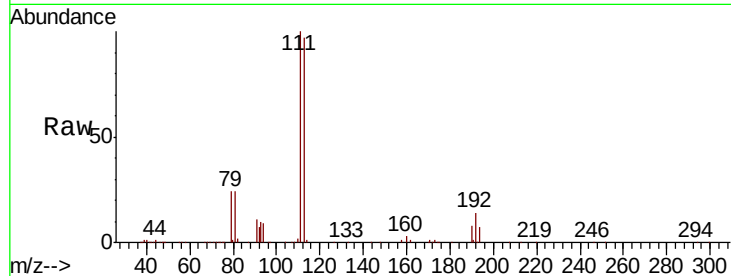
ClientSampleId :

SU-01-102518-A

Tot Ion:	113	Resp:	261157
Ion Ratio	Lower	Upper	
113	100		
111	103.1	75.9	113.9
192	14.8	10.6	15.8

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#39

Methylcyclohexane

Concen: 1.041 ug/l

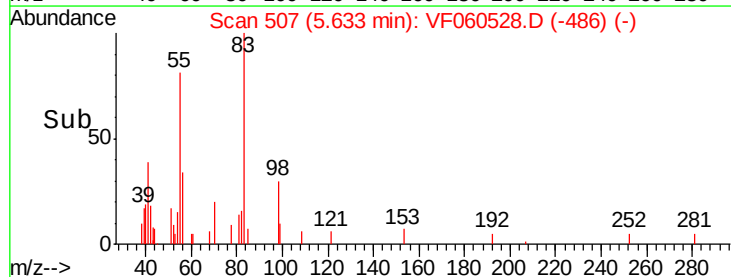
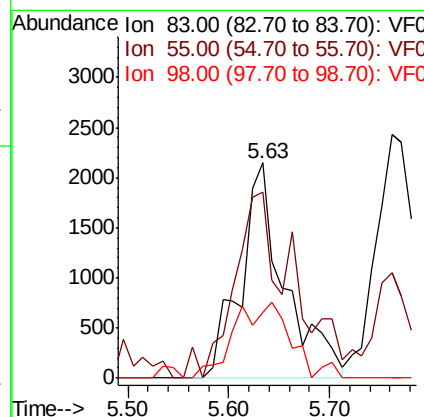
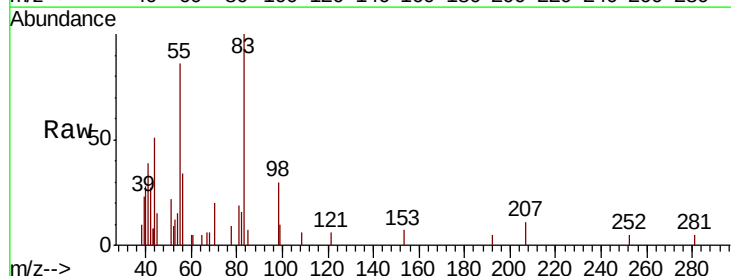
RT: 5.63 min Scan# 507

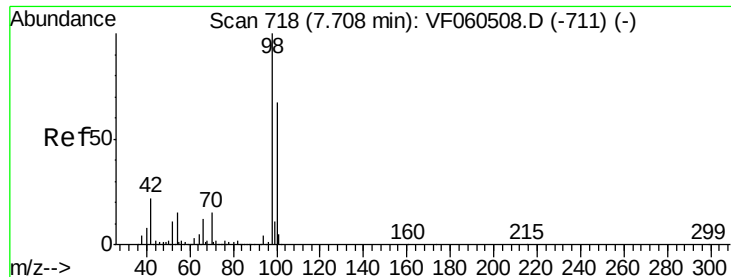
Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Tgt Ion:	83	Resp:	6550
Ion Ratio	Lower	Upper	
83	100		
55	86.2	87.9	131.9#
98	30.2	37.0	55.6#





#50

Toluene-d8

Concen: 40.387 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

SU-01-102518-A

Tot Ion: 98 Resp: 505933

Ion Ratio Lower Upper

98 100

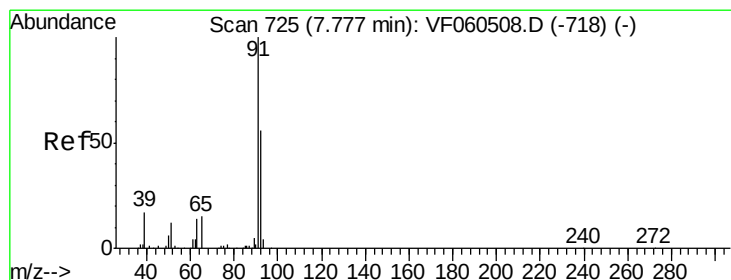
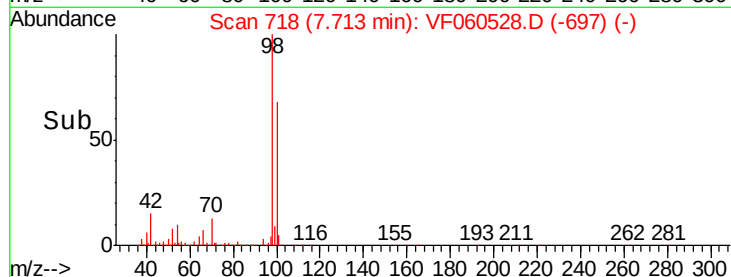
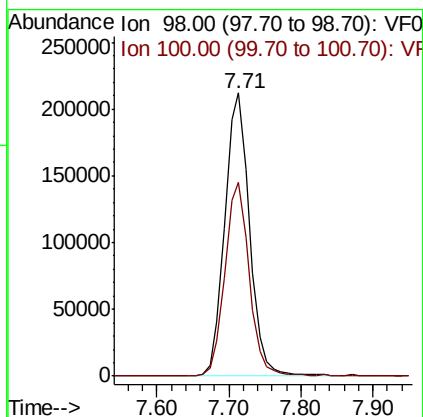
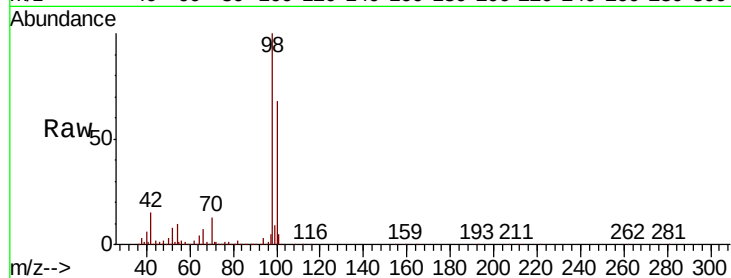
100 68.3 53.4 80.0

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#52

Toluene

Concen: 2.960 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.01 min

Lab File: VF060528.D

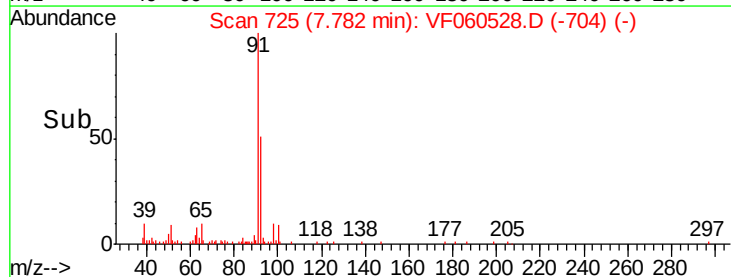
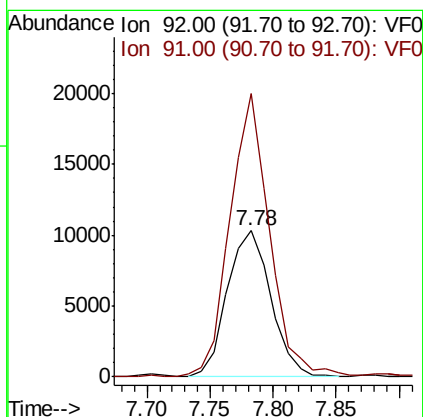
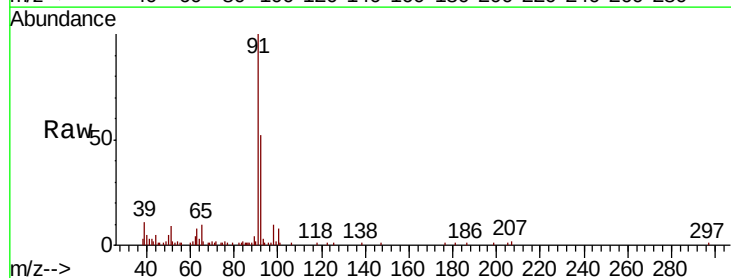
Acq: 26 Oct 2018 20:49

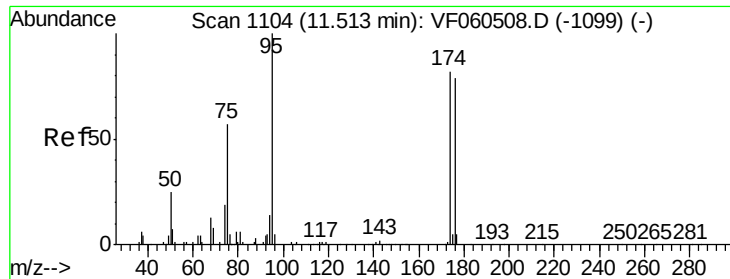
Tgt Ion: 92 Resp: 24685

Ion Ratio Lower Upper

92 100

91 193.9 143.8 215.8





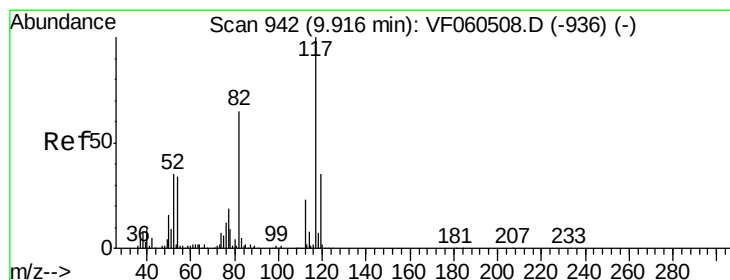
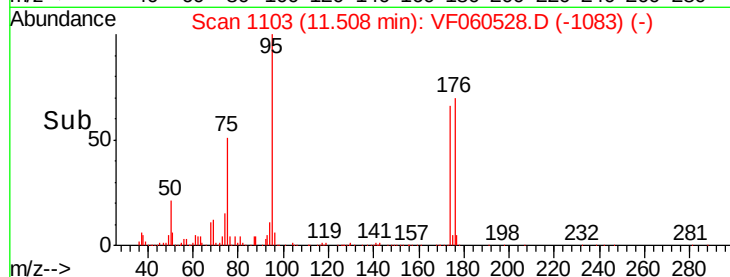
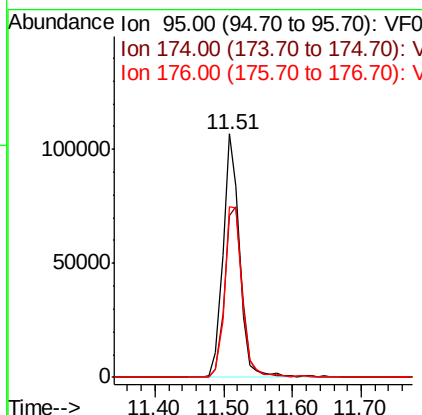
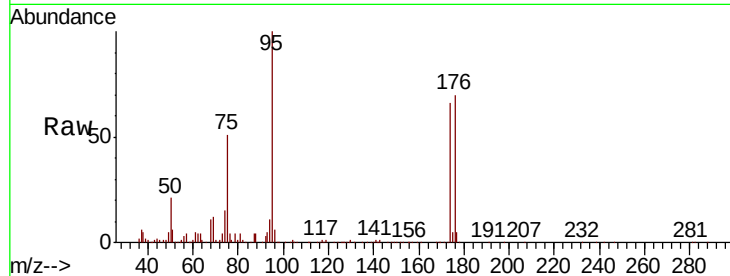
#62
4-Bromofluorobenzene
Concen: 25.347 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tot Ion	Ratio	Resp	Lower	Upper
95	100	176851		
174	66.4	0.0	164.2	
176	70.1	0.0	158.4	

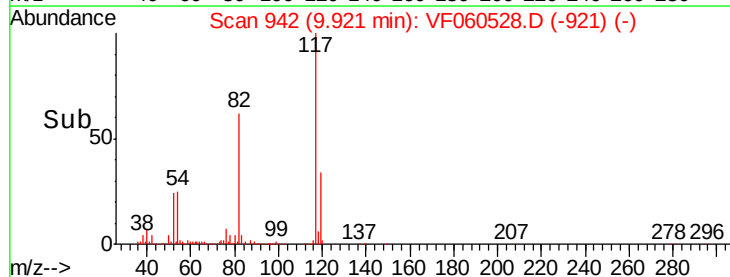
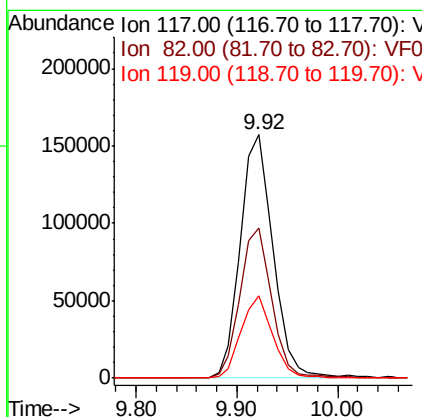
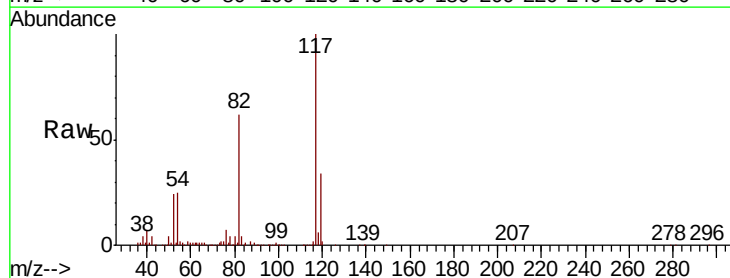
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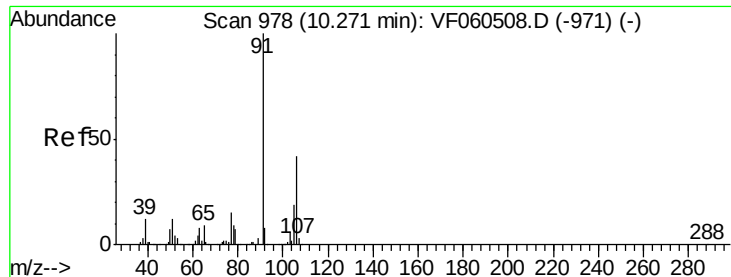
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	355894		
82	61.8	51.7	77.5	
119	33.9	28.3	42.5	





#68

m/p-Xylenes

Concen: 1.932 ug/l

RT: 10.28 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

SU-01-102518-A

Tot Ion:106 Resp: 9268

Ion Ratio Lower Upper

106 100

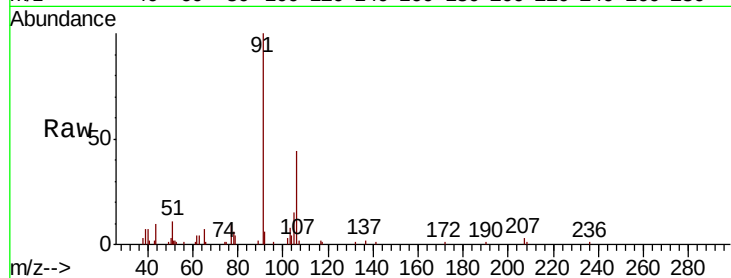
91 229.9 192.5 288.7

Manual Integrations

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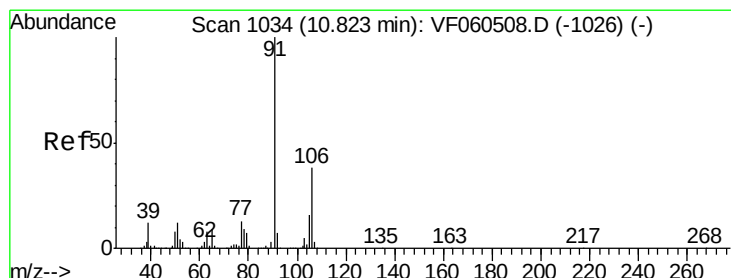
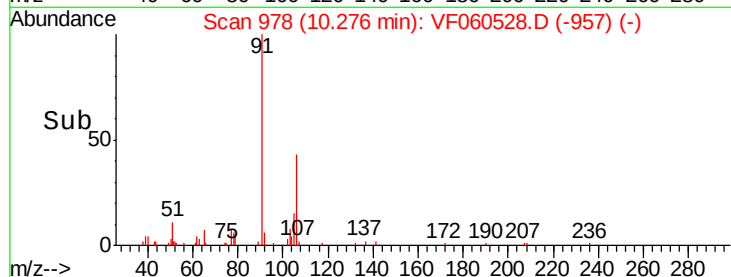
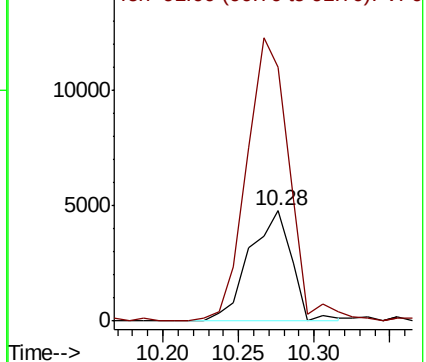
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 1.688 ug/l

RT: 10.83 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VF060528.D

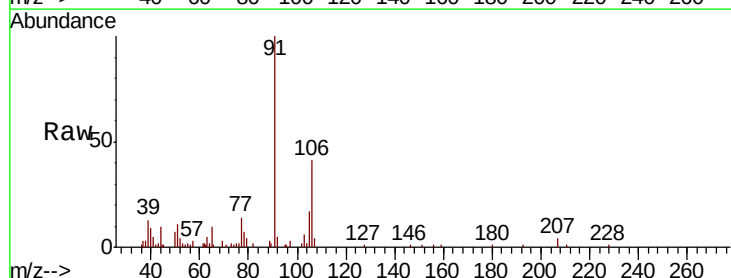
Acq: 26 Oct 2018 20:49

Tgt Ion:106 Resp: 9082

Ion Ratio Lower Upper

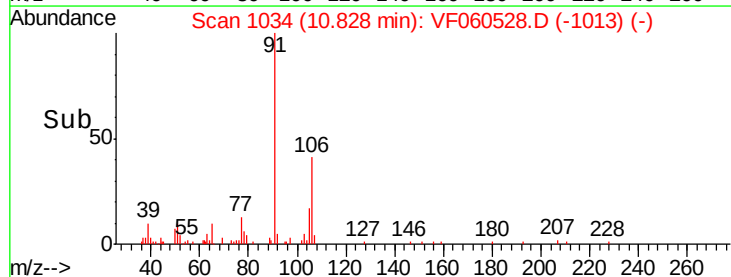
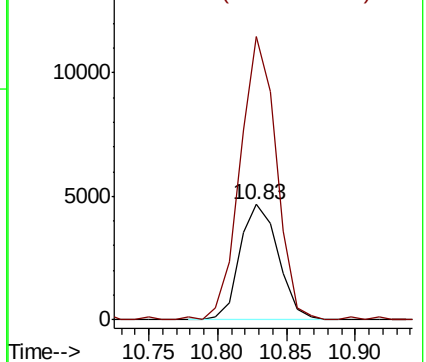
106 100

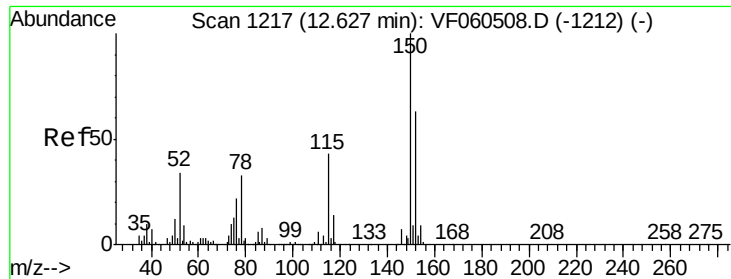
91 245.0 130.9 392.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Instrument :

MSVOA_F

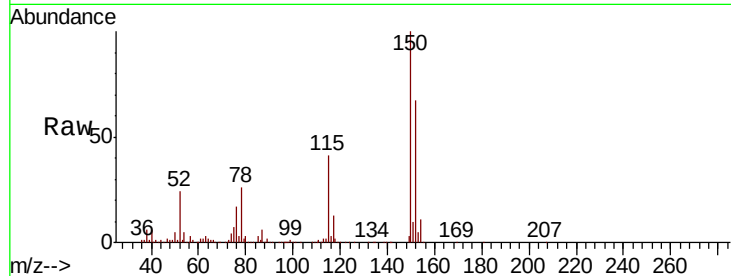
ClientSampleId :

SU-01-102518-A

Tot Ion:	152	Resp:	135649
Ion	Ratio	Lower	Upper
152	100		
115	61.3	34.6	103.9
150	148.9	0.0	319.8

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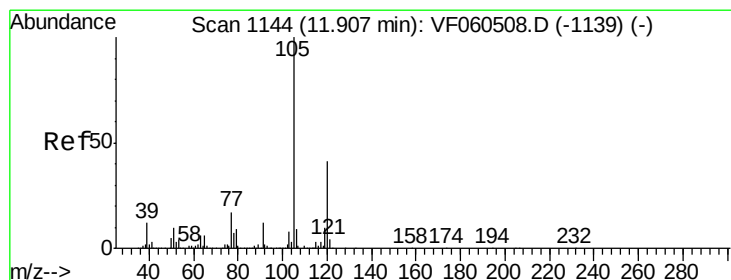
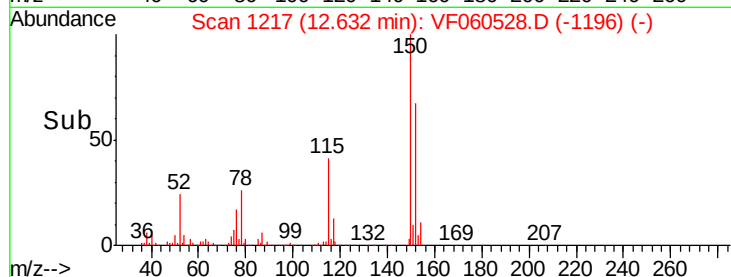
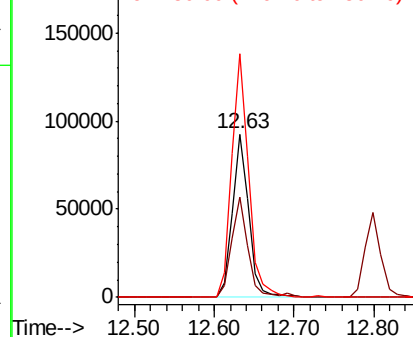


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.587 ug/l

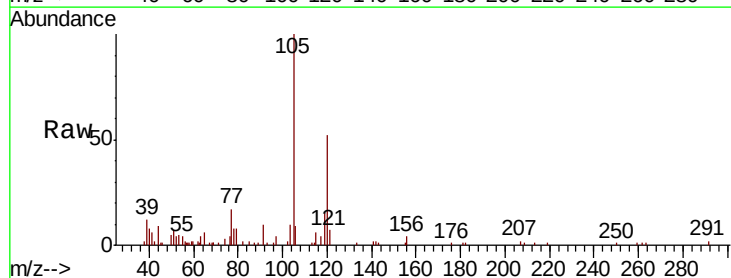
RT: 11.91 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

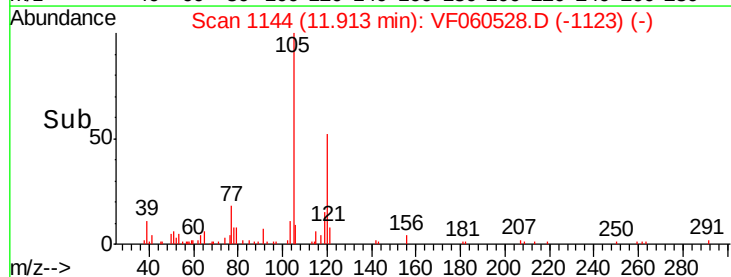
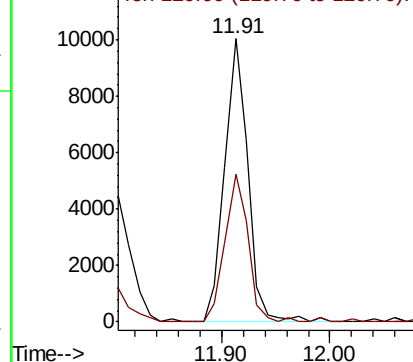
Tgt Ion:	105	Resp:	15018
Ion	Ratio	Lower	Upper
105	100		
120	52.4	20.6	61.9

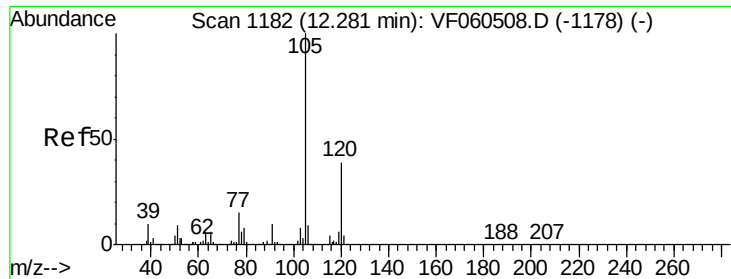


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 6.740 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

SU-01-102518-A

Tot Ion:105 Resp: 63225

Ion Ratio Lower Upper

105 100

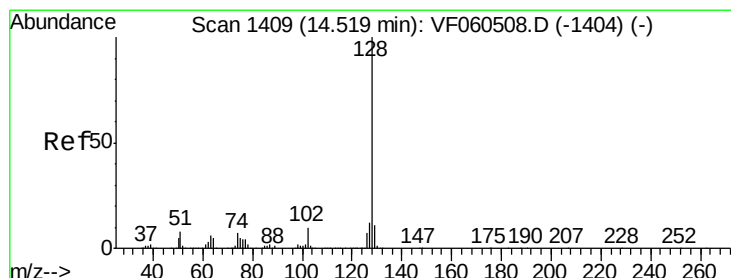
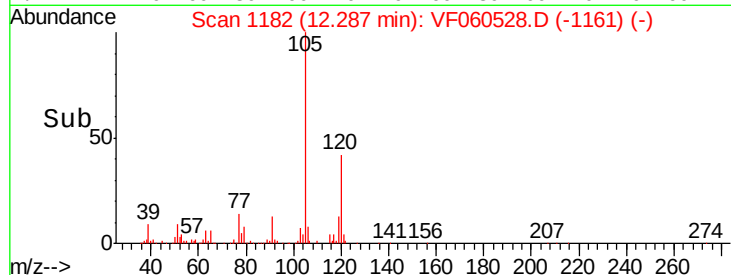
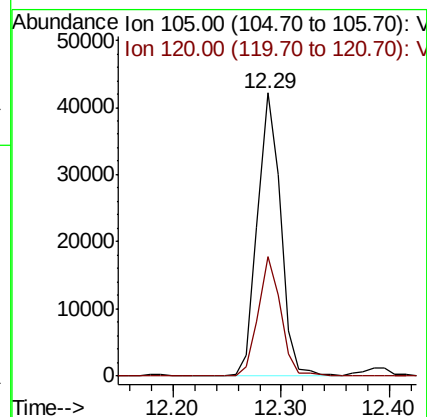
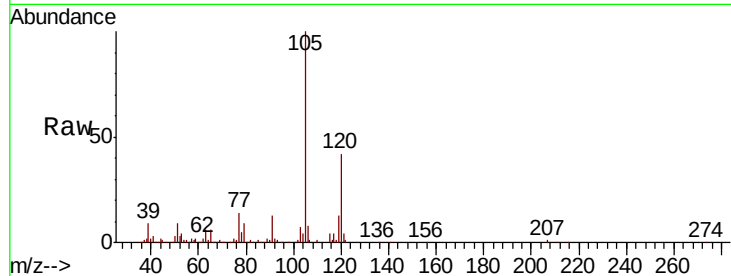
120 42.2 19.4 58.1

Manual Integrations

APPROVED

apatel

10/29/2018 12:12:23 PM



#95

Naphthalene

Concen: 108.823 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060528.D

Acq: 26 Oct 2018 20:49

Tgt Ion:128 Resp: 612066

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 11.0 8.9 13.3

