

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059654.D
 Acq On : 25 Jul 2018 2:18
 Operator : VA/AP
 Sample : J4110-01
 Misc : 5.36g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GS-RO-338-RO-147-RO-278

Manual Integrations
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Quant Time: Jul 25 07:50:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	190331	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	288654	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	112334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	39359	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	172808	65.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	130.32%	
35) Dibromofluoromethane	4.29	113	163347	62.88	ug/l	0.01
Spiked Amount 50.000			Recovery	=	125.76%	
50) Toluene-d8	7.71	98	173152	27.35	ug/l	0.01
Spiked Amount 50.000			Recovery	=	54.70%	
62) 4-Bromofluorobenzene	11.51	95	158786	48.80	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.60%	
Target Compounds						
					Qvalue	
31) Cyclohexane	3.87	56	9697	5.409	ug/l #	82
39) Methylcyclohexane	5.62	83	128655	53.638	ug/l	92
68) m/p-Xylenes	10.27	106	138312	103.507	ug/l	98
69) o-Xylene	10.83	106	352058	247.500	ug/l	98
73) Isopropylbenzene	11.23	105	38158	15.426	ug/l	95
80) 1,3,5-Trimethylbenzene	11.93	105	1496431	680.923	ug/l	94
83) tert-Butylbenzene	12.22	119	26665	12.035	ug/l #	59
84) 1,2,4-Trimethylbenzene	12.29	105	1776081	787.405	ug/l	99
85) sec-Butylbenzene	12.39	105	373300	126.373	ug/l	88
86) p-Isopropyltoluene	12.55	119	684726m	266.265	ug/l	

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

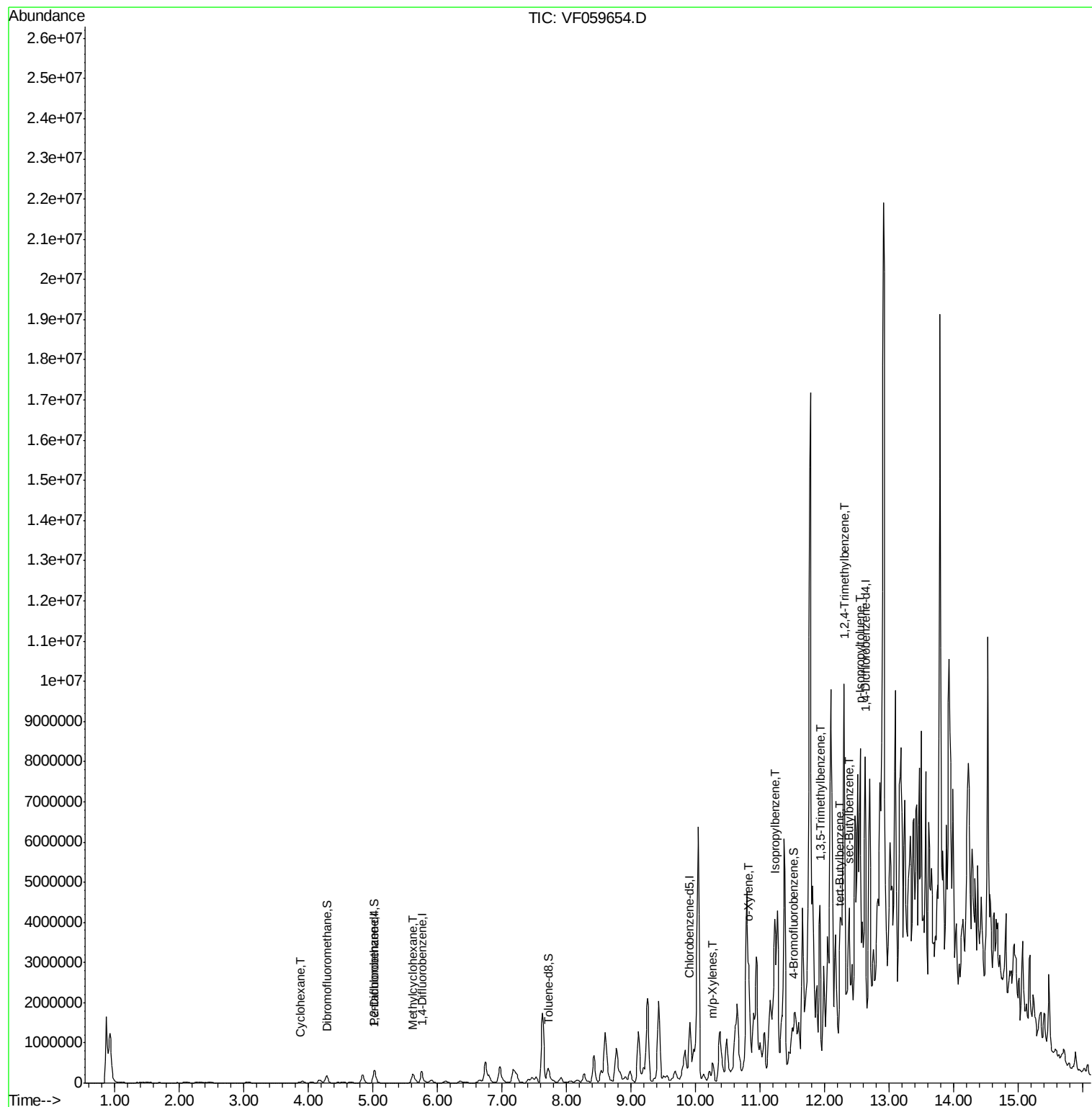
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072418\
Data File : VF059654.D
Acq On : 25 Jul 2018 2:18
Operator : VA/AP
Sample : J4110-01
Misc : 5.36g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

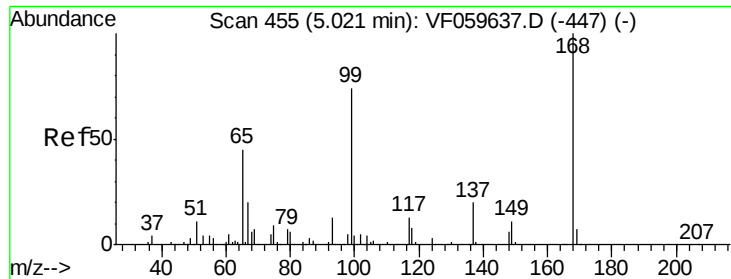
Instrument :
MSVOA_F
ClientSampleId :
GS-RO-338-RO-147-RO-278

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Quant Time: Jul 25 07:50:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 02:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

GS-RO-338-RO-147-RO-278

Tot Ion:168 Resp: 190331

Ion Ratio Lower Upper

168 100

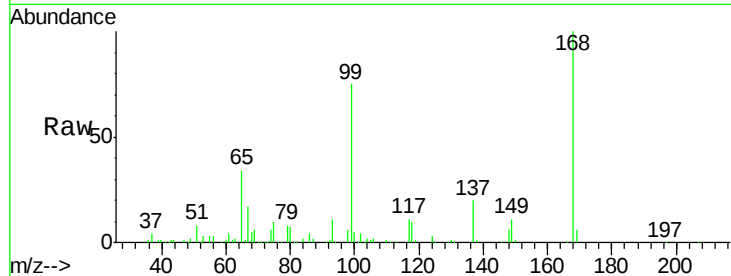
99 75.3 59.5 89.3

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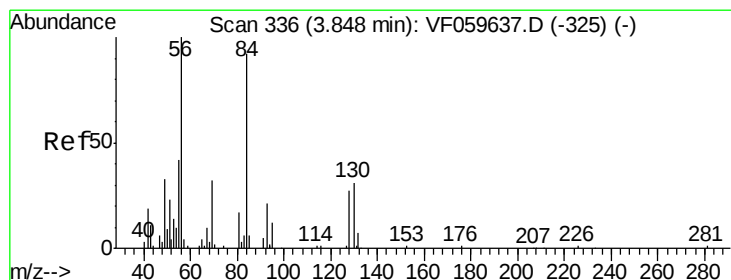
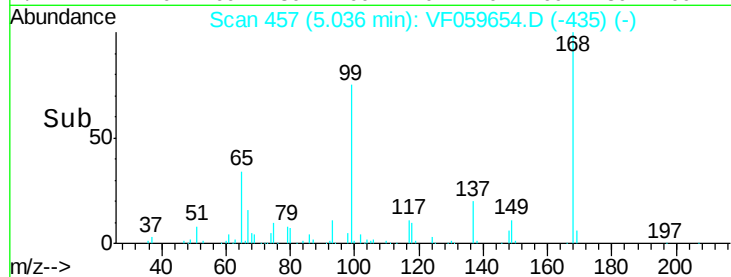
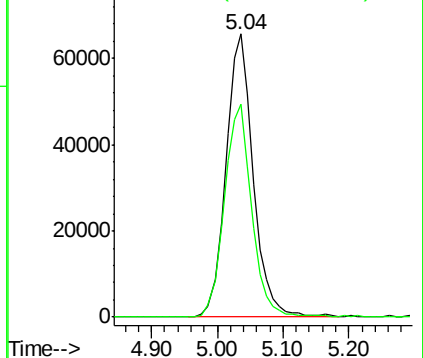
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#31

Cyclohexane

Concen: 5.409 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.02 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

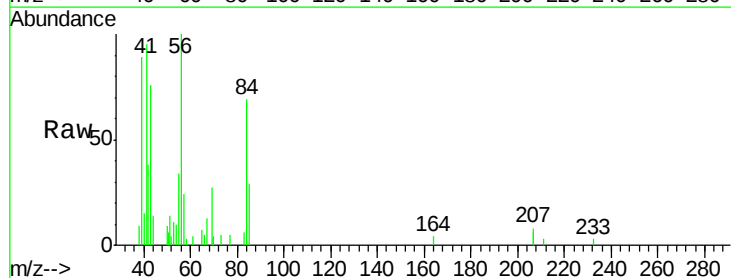
Tgt Ion: 56 Resp: 9697

Ion Ratio Lower Upper

56 100

69 31.2 26.0 39.0

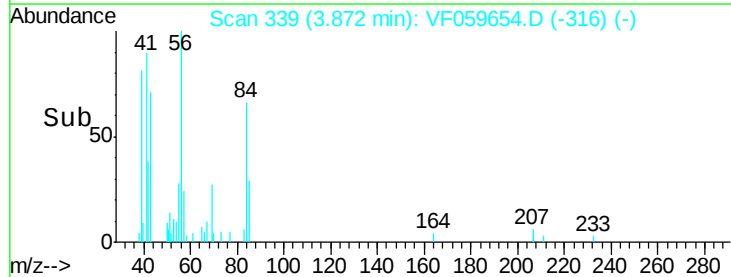
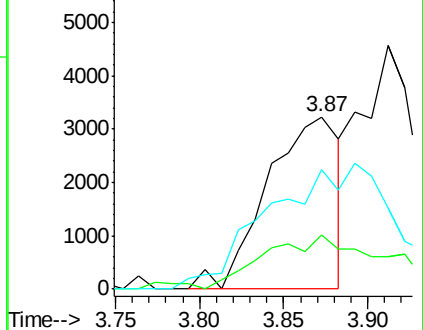
84 69.3 73.5 110.3#

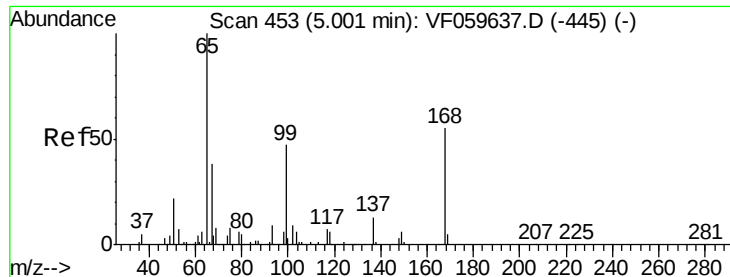


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 65.161 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

GS-RO-338-RO-147-RO-278

Tot Ion: 65 Resp: 172808

Ion Ratio Lower Upper

65 100

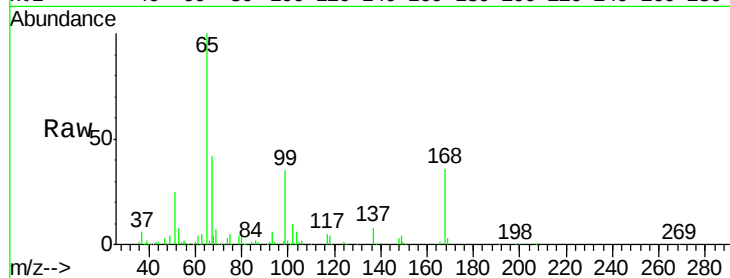
67 41.6 0.0 86.6

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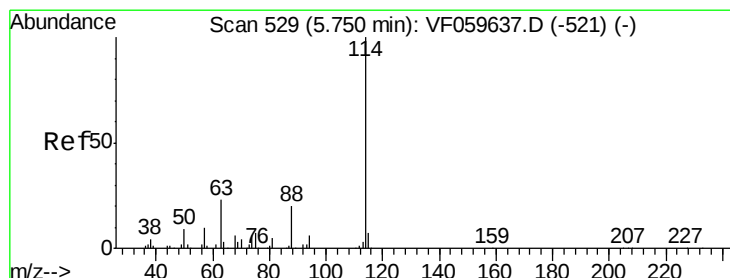
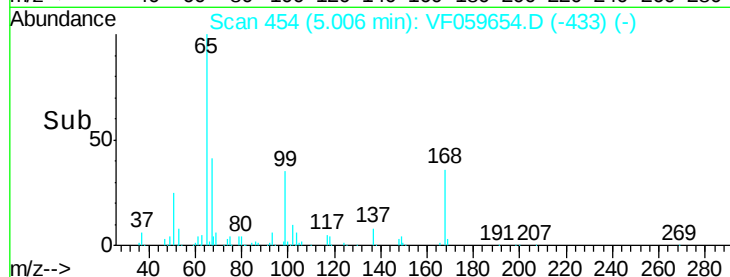
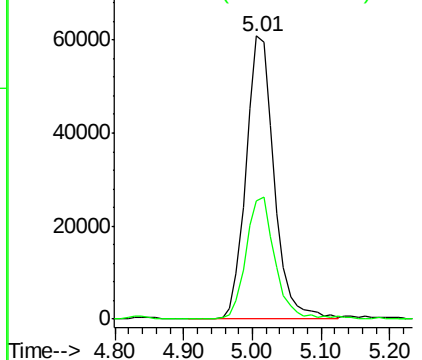
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

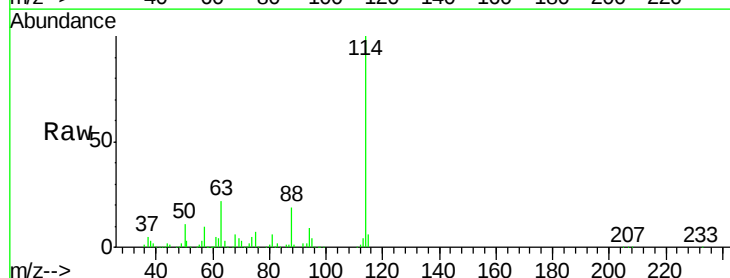
Tgt Ion: 114 Resp: 288654

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.6

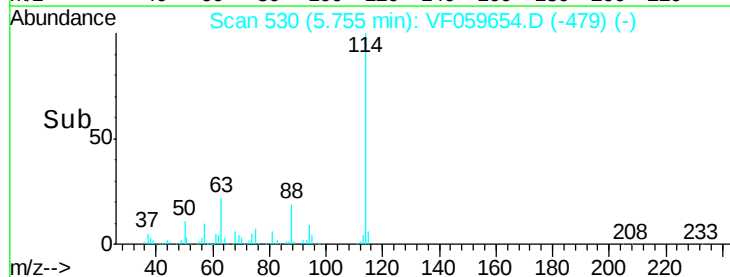
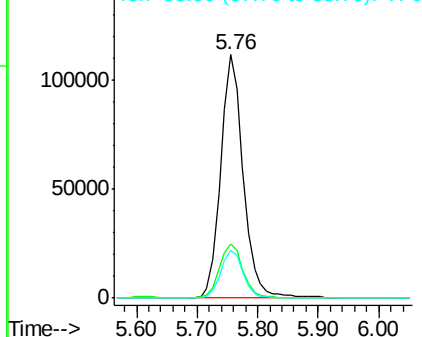
88 19.4 0.0 40.8

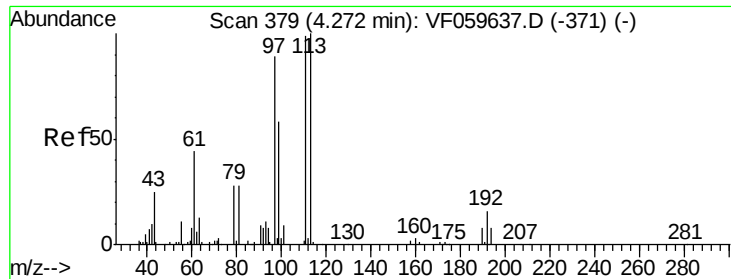


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 62.879 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

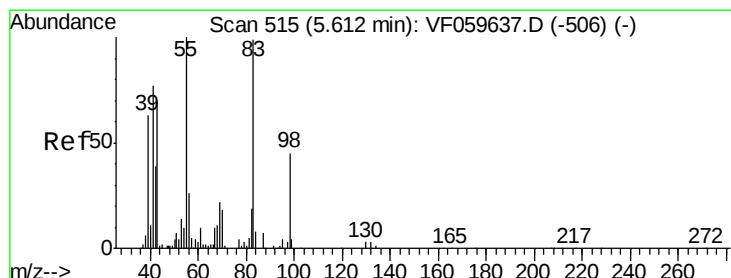
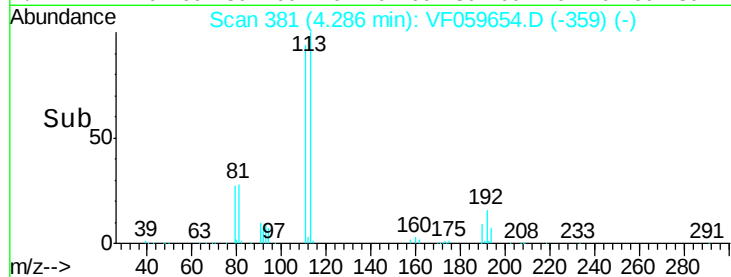
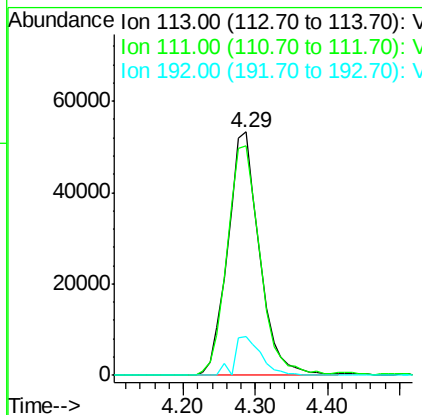
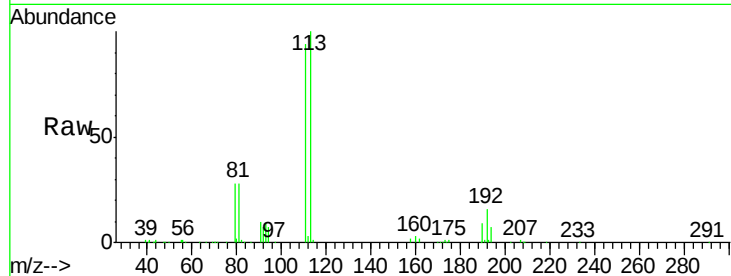
ClientSampleId :

GS-RO-338-RO-147-RO-278

Tot Ion:	113	Resp:	163347
Ion Ratio	Lower	Upper	
113	100		
111	94.1	79.3	118.9
192	16.1	13.4	20.2

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#39

Methylcyclohexane

Concen: 53.638 ug/l

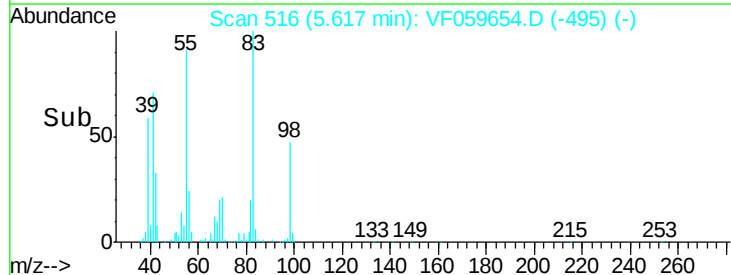
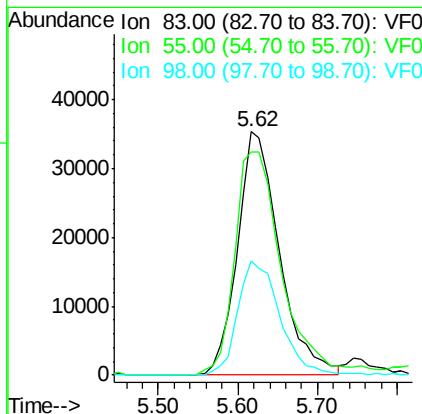
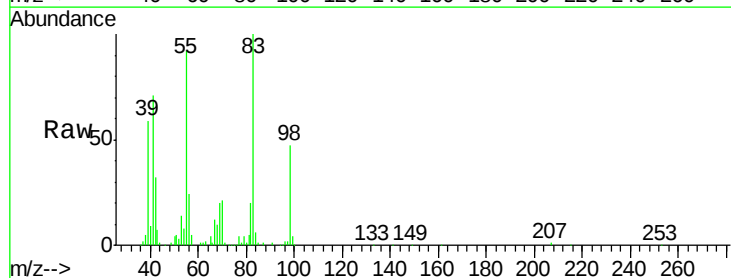
RT: 5.62 min Scan# 516

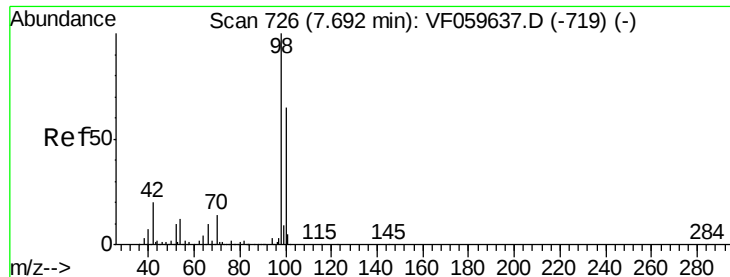
Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Tgt Ion:	83	Resp:	128655
Ion Ratio	Lower	Upper	
83	100		
55	91.7	81.5	122.3
98	47.2	36.7	55.1





#50

Toluene-d8

Concen: 27.347 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

GS-RO-338-RO-147-RO-278

Tot Ion: 98 Resp: 173152

Ion Ratio Lower Upper

98 100

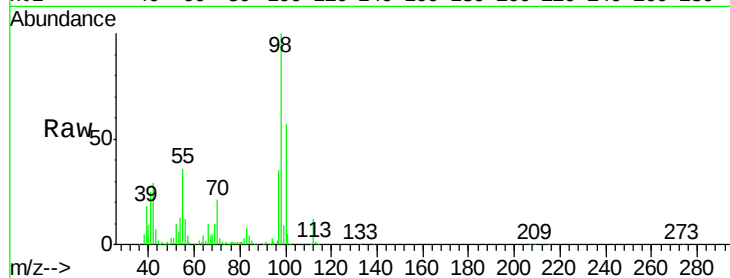
100 57.2 52.2 78.4

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

80000

60000

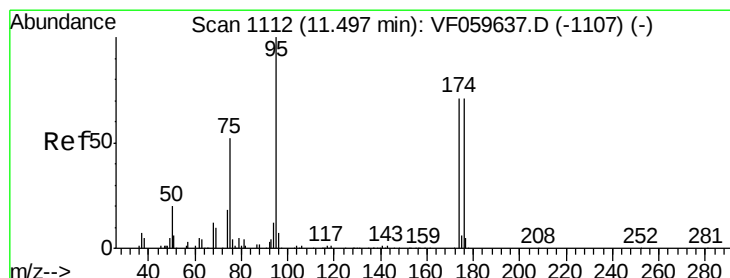
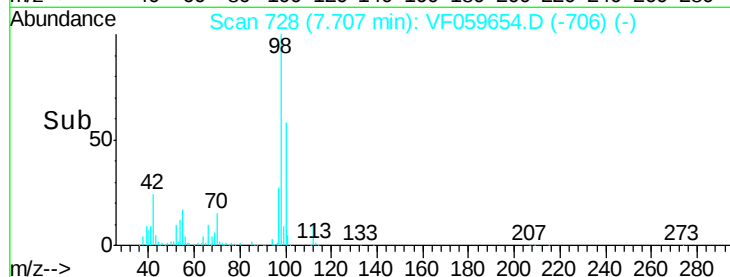
40000

20000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#62

4-Bromofluorobenzene

Concen: 48.805 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

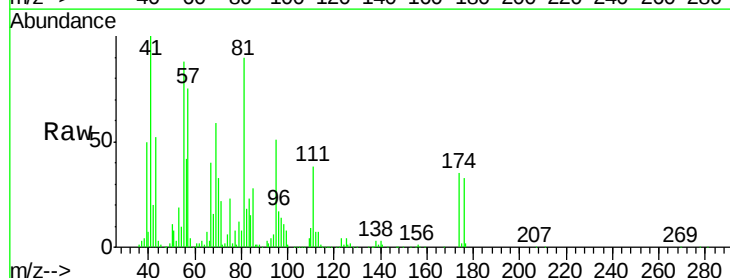
Tgt Ion: 95 Resp: 158786

Ion Ratio Lower Upper

95 100

174 67.0 0.0 141.8

176 63.4 0.0 142.0



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

100000

80000

60000

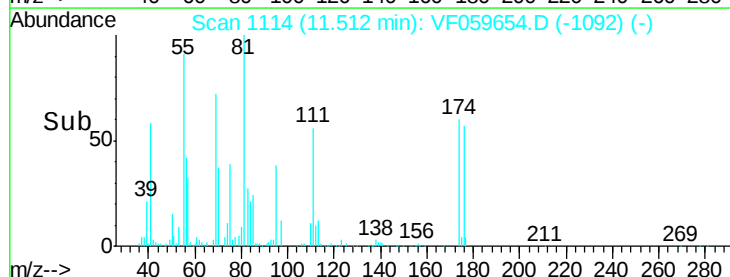
40000

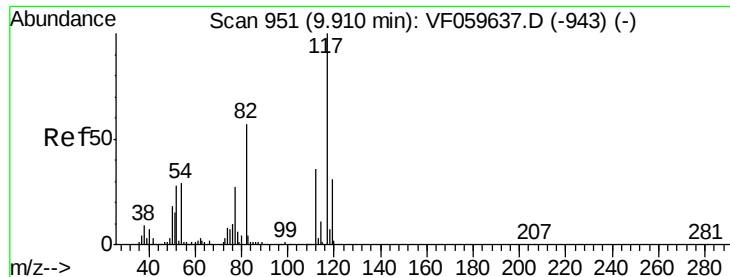
20000

0

11.40 11.50

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

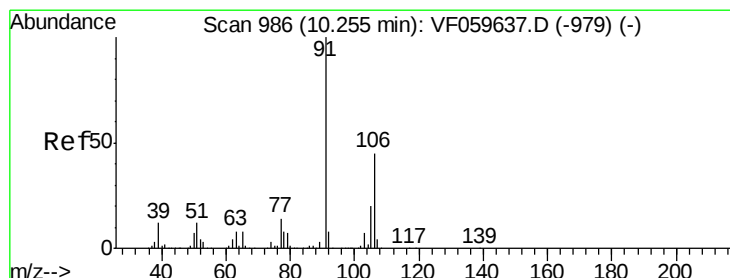
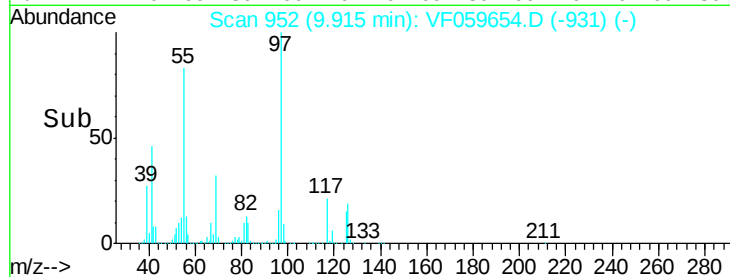
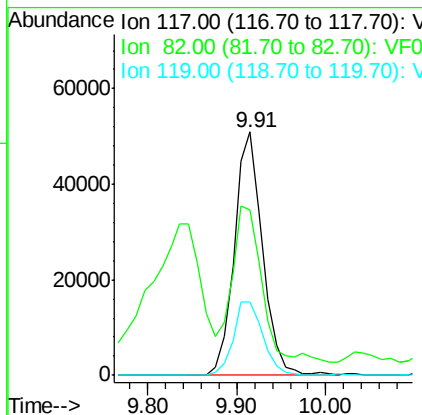
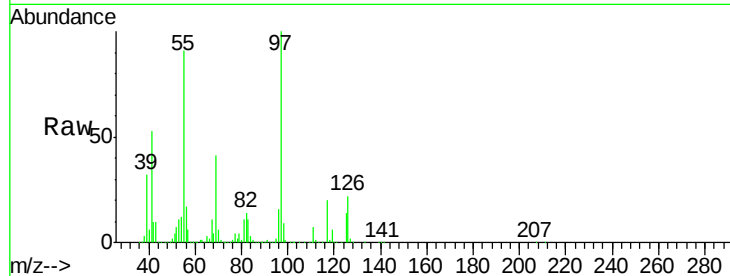
ClientSampleId :

GS-RO-338-RO-147-RO-278

Tot Ion:	117	Resp:	112334
Ion Ratio	Lower	Upper	
117	100		
82	67.8	45.9	68.9
119	30.1	25.1	37.7

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#68

m/p-Xylenes

Concen: 103.507 ug/l

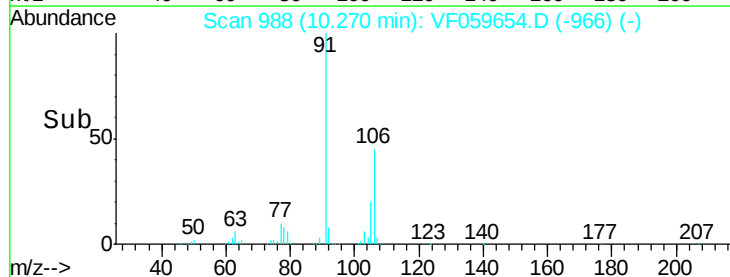
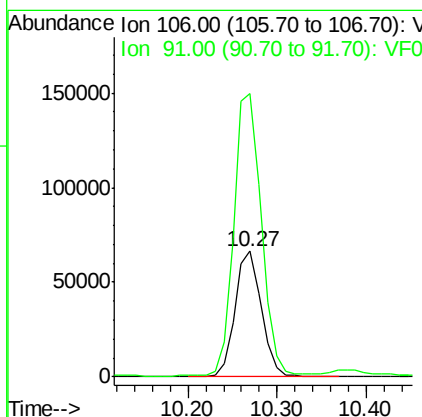
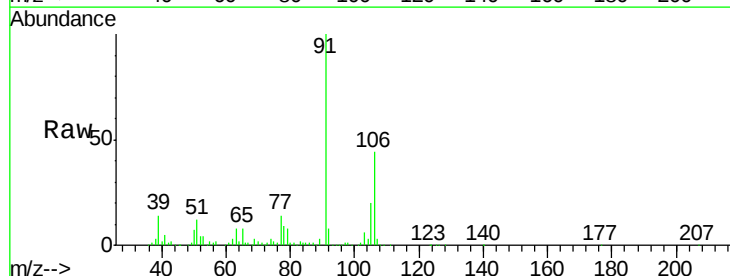
RT: 10.27 min Scan# 988

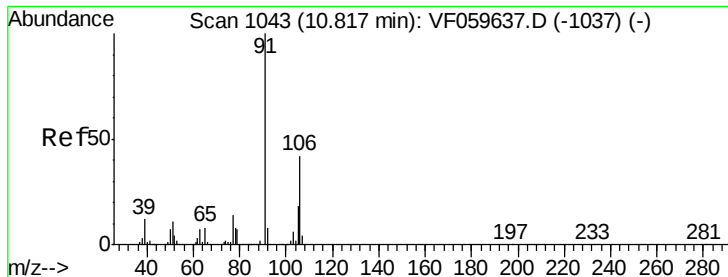
Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Tgt Ion:	106	Resp:	138312
Ion Ratio	Lower	Upper	
106	100		
91	225.0	177.8	266.8





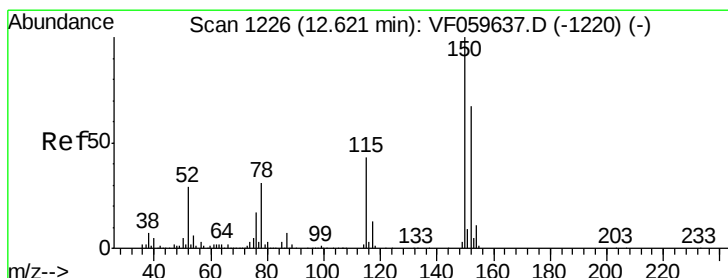
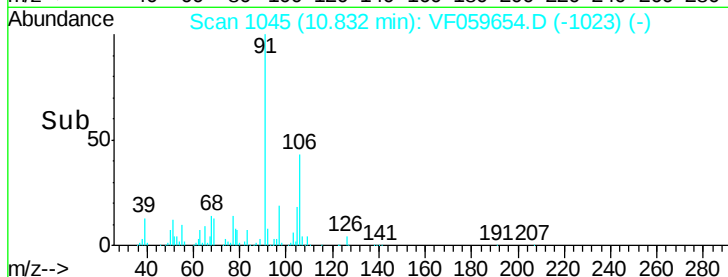
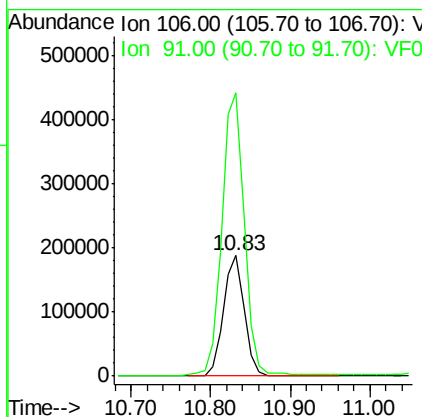
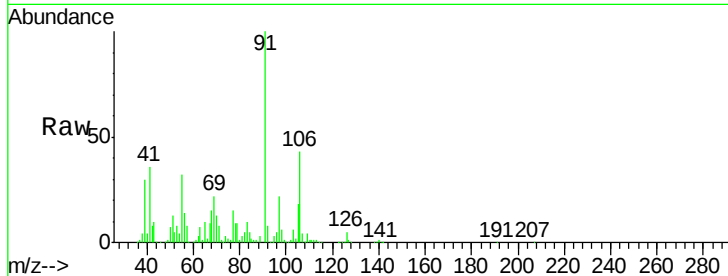
#69
o-Xylene
Concen: 247.500 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Instrument :
MSVOA_F
ClientSampleId :
GS-RO-338-RO-147-RO-278

Tot Ion:106 Resp: 352058
Ion Ratio Lower Upper
106 100
91 235.2 119.3 357.9

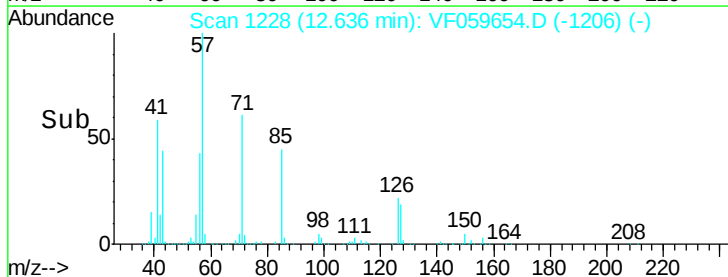
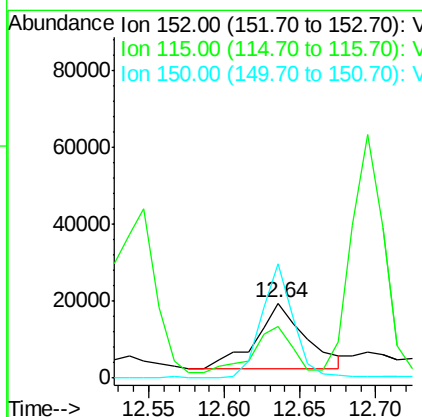
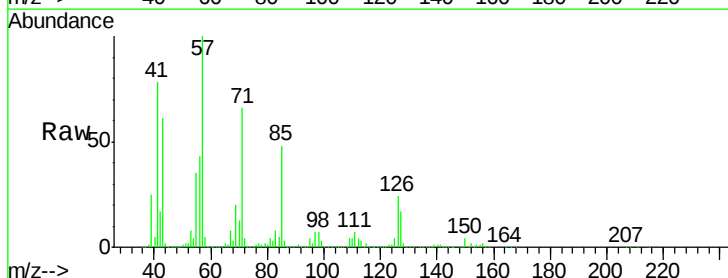
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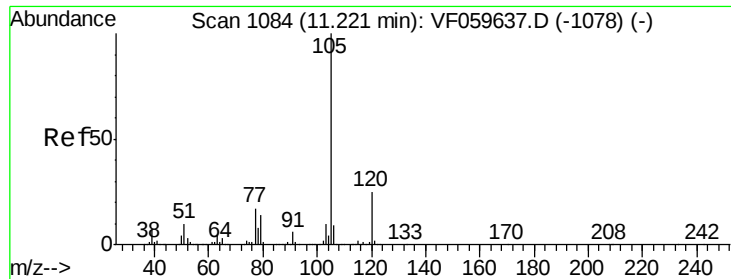
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion:152 Resp: 39359
Ion Ratio Lower Upper
152 100
115 69.7 32.0 96.2
150 152.8 0.0 313.2





#73

Isopropylbenzene

Concen: 15.426 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

GS-RO-338-RO-147-RO-278

Tot Ion:105 Resp: 38158

Ion Ratio Lower Upper

105 100

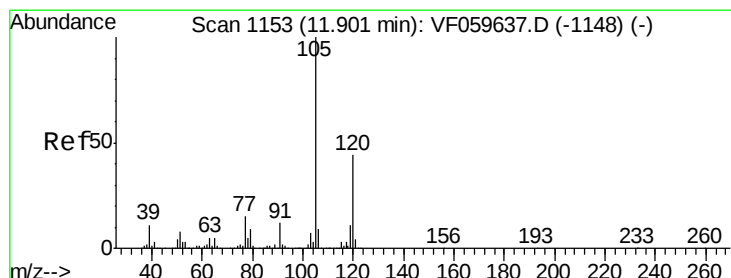
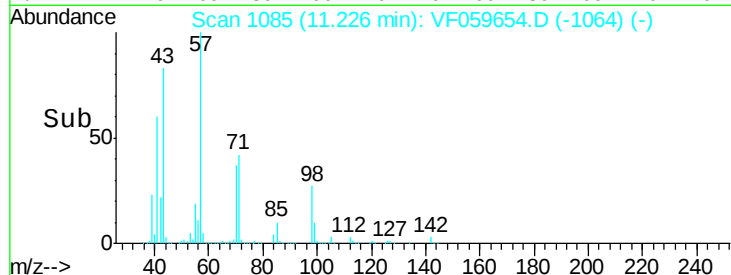
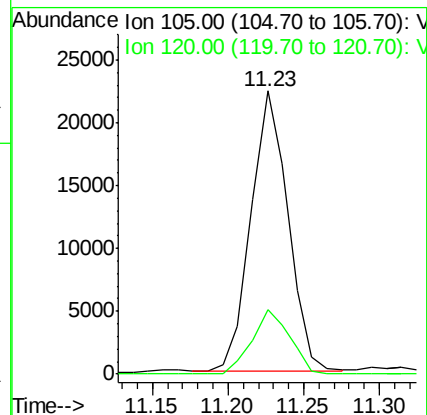
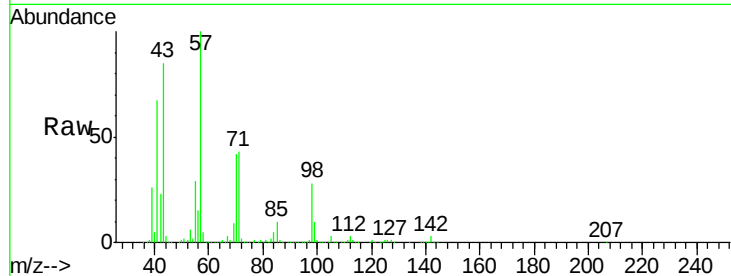
120 22.8 12.6 37.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 680.923 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.02 min

Lab File: VF059654.D

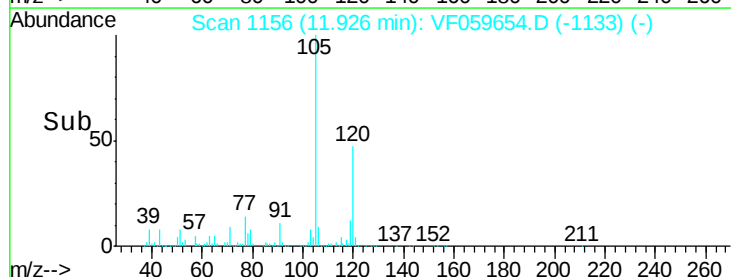
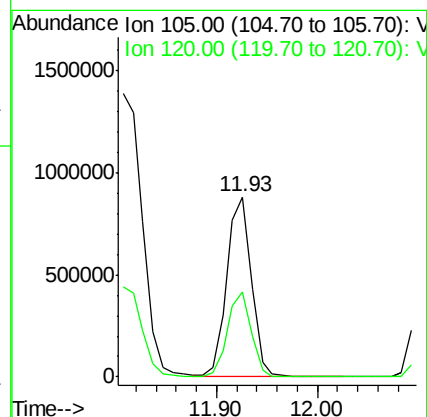
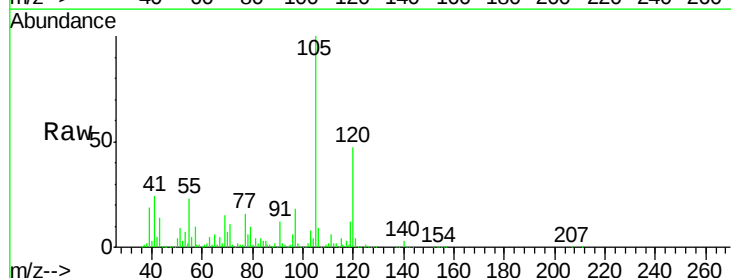
Acq: 25 Jul 2018 2:18

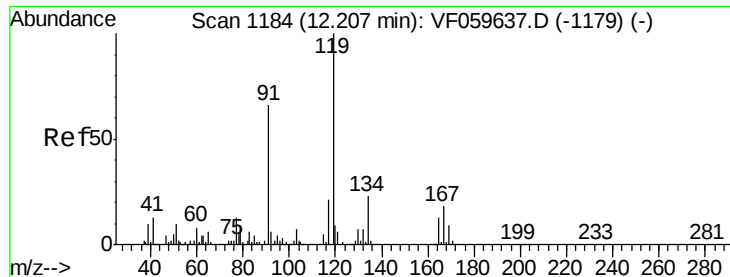
Tgt Ion:105 Resp: 1496431

Ion Ratio Lower Upper

105 100

120 47.3 21.8 65.4





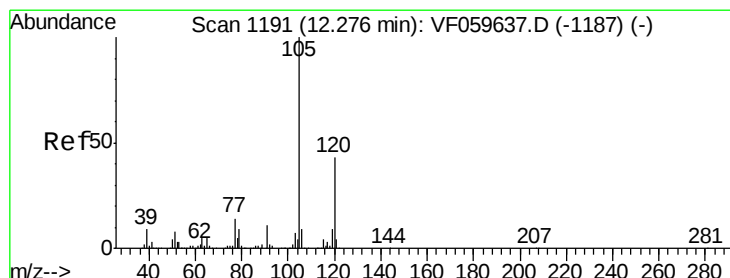
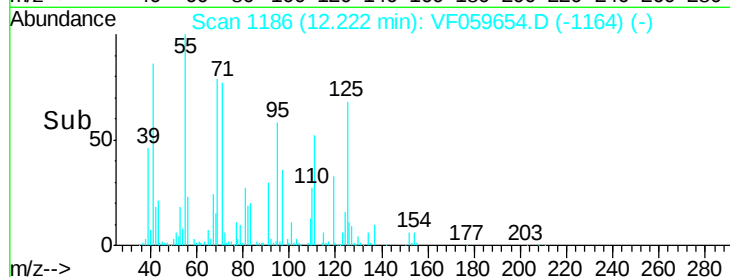
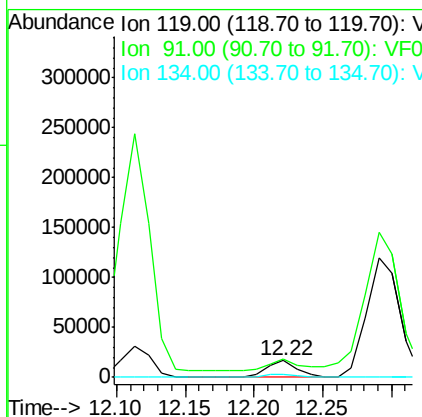
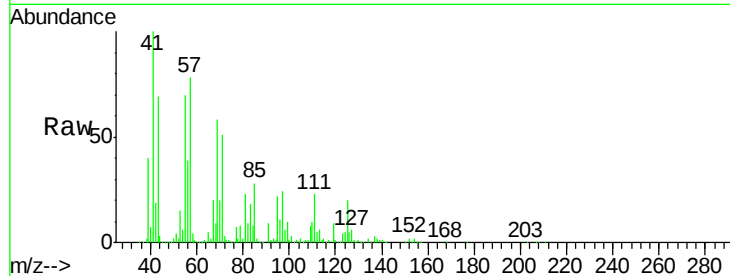
#83
 tert-Butylbenzene
 Concen: 12.035 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059654.D
 Acq: 25 Jul 2018 2:18

Instrument :
 MSVOA_F
 ClientSampleId :
 GS-RO-338-RO-147-RO-278

Tot Ion	Ratio	Lower	Upper
119	100		
91	107.9	33.2	99.6#
134	19.1	11.5	34.4

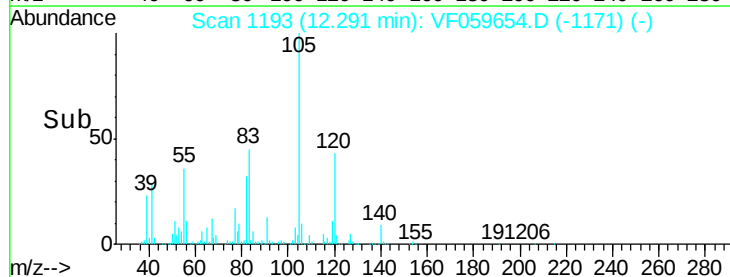
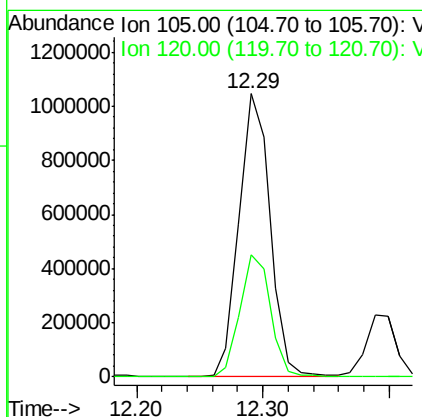
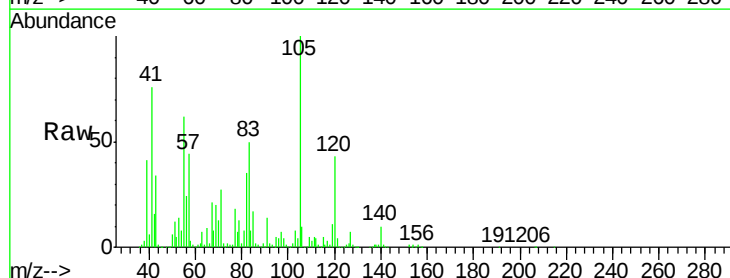
Manual Integrations
 APPROVED

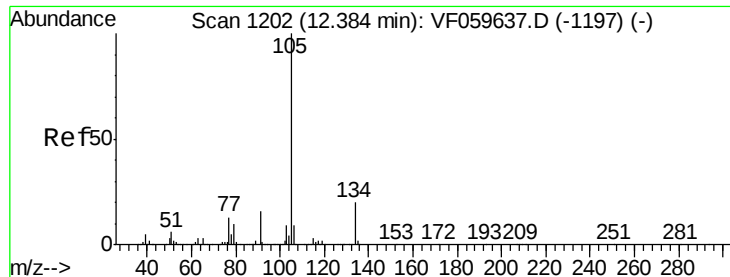
apatel
 7/25/2018 5:06:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 787.405 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059654.D
 Acq: 25 Jul 2018 2:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.4	64.2





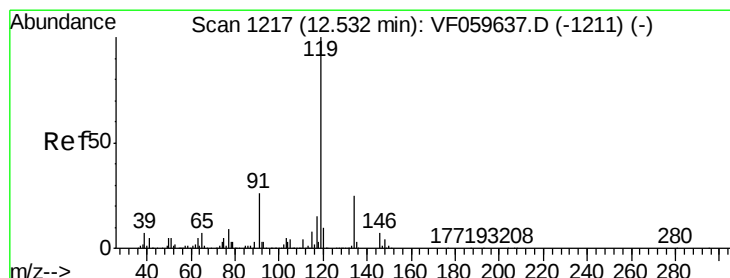
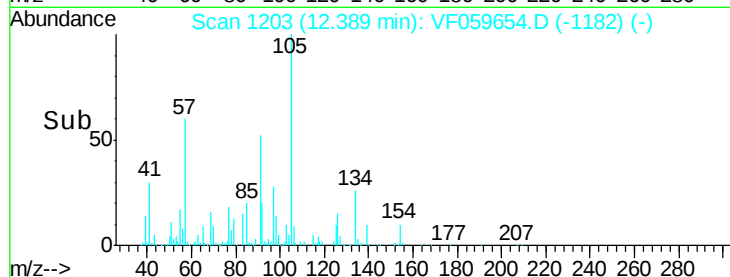
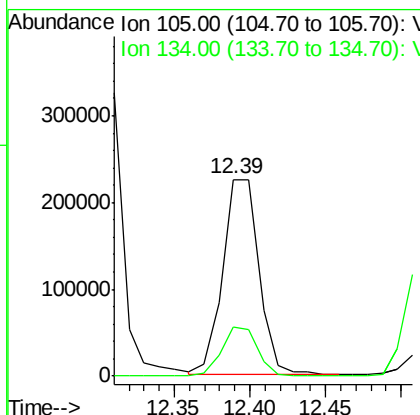
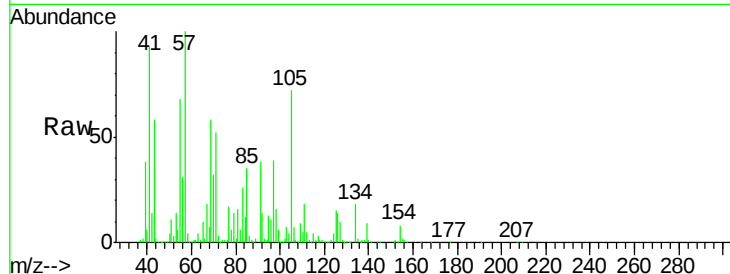
#85
 sec-Butylbenzene
 Concen: 126.373 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059654.D
 Acq: 25 Jul 2018 2:18

Instrument :
 MSVOA_F
 ClientSampleId :
 GS-RO-338-RO-147-RO-278

Tot Ion	Ratio	Lower	Upper
105	100		
134	25.3	9.9	29.7

Manual Integrations
 APPROVED

apatel
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#86
 p-Isopropyltoluene
 Concen: 266.265 ug/l m
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059654.D
 Acq: 25 Jul 2018 2:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.7	12.4	37.0
91	28.9	13.1	39.1

