

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061060.D
 Acq On : 18 Dec 2018 14:00
 Operator : VA/AP
 Sample : J6195-09RE
 Misc : 6.72g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-121718RE

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 2:15:05 PM

Quant Time: Dec 19 01:24:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	196745	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	354419	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	305595	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	130739	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	128093	55.27	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	110.54%	
35) Dibromofluoromethane	4.12	113	138983	49.43	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	98.86%	
50) Toluene-d8	7.56	98	331104	39.98	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	79.96%	
62) 4-Bromofluorobenzene	11.41	95	134856	35.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	71.66%	
Target Compounds						
					Qvalue	
16) Acetone	2.24	43	20364	47.646	ug/l	99
20) Methylene Chloride	2.26	84	19651m	12.533	ug/l	
39) Methylcyclohexane	5.46	83	4483	1.088	ug/l	92
40) Benzene	4.64	78	29277	3.371	ug/l	98
52) Toluene	7.63	92	61285	10.046	ug/l	89
67) Ethyl Benzene	9.91	91	75379	6.811	ug/l	99
68) m/p-Xylenes	10.13	106	16785	4.217	ug/l	94
69) o-Xylene	10.71	106	10710	2.440	ug/l	80
73) Isopropylbenzene	11.13	105	83097	8.043	ug/l	96
78) n-propylbenzene	11.59	91	96245	7.955	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	15413	1.838	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	102810	12.282	ug/l	99
89) n-Butylbenzene	12.84	91	10198	1.029	ug/l	93
95) Naphthalene	14.45	128	905495	172.190	ug/l	99

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

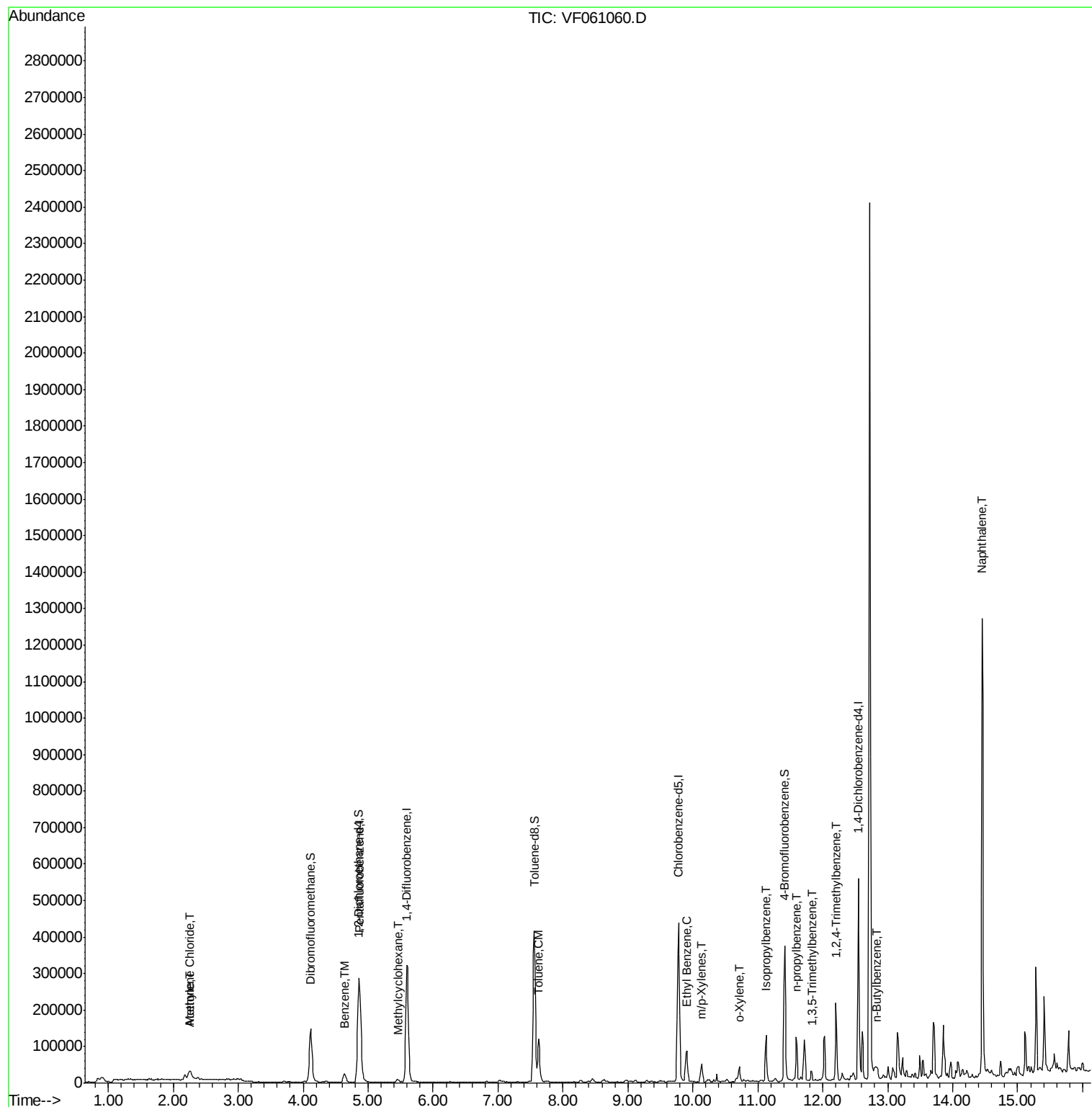
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121818\
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Quant Time: Dec 19 01:24:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.04 min

Lab File: VF061060.D

Acq: 18 Dec 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

OR-03-121718RE

Tot Ion:168 Resp: 196745

Ion Ratio Lower Upper

168 100

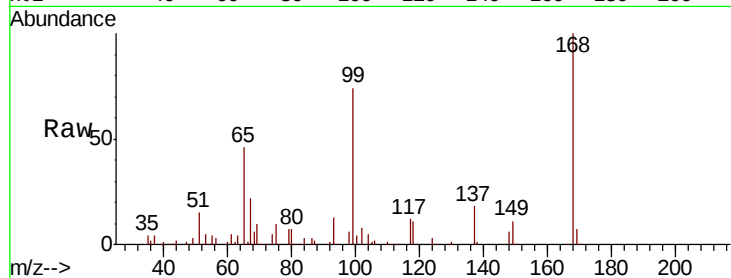
99 74.1 52.6 79.0

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

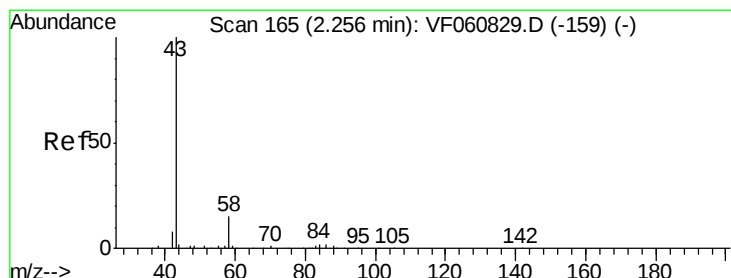
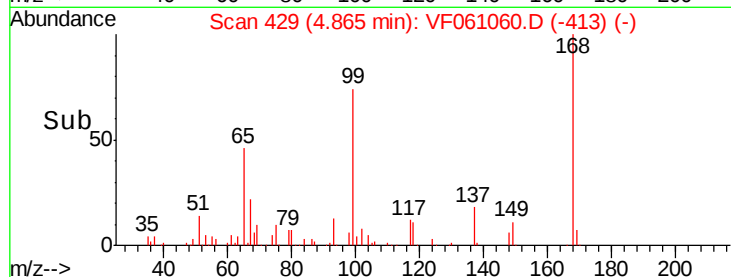
40000

20000

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Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 47.646 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061060.D

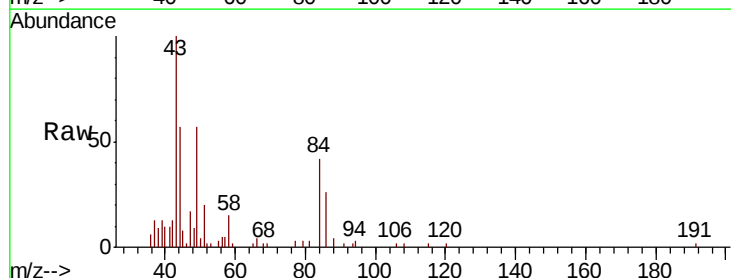
Acq: 18 Dec 2018 14:00

Tgt Ion: 43 Resp: 20364

Ion Ratio Lower Upper

43 100

58 14.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

6000

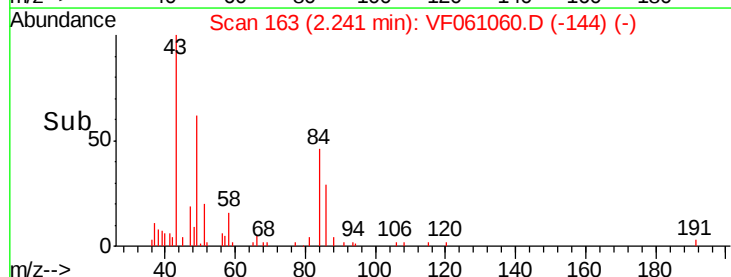
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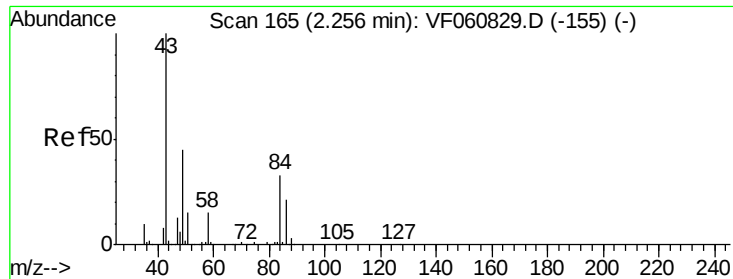
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0

Time-->

2.10 2.20 2.30 2.40





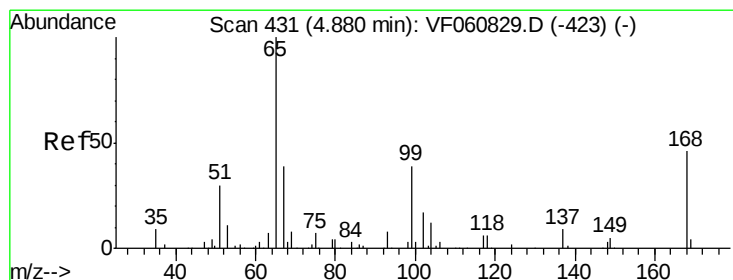
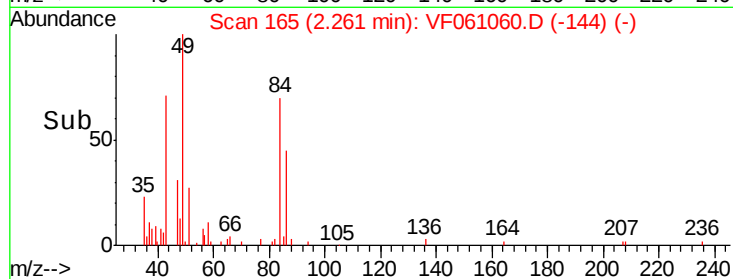
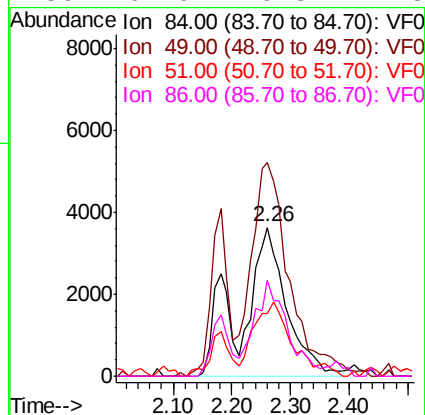
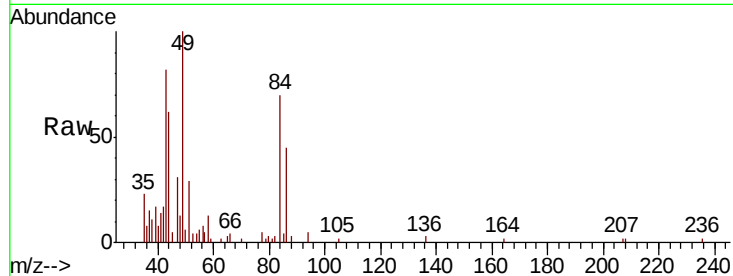
#20
Methvlene Chloride
Concen: 12.533 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
OR-03-121718RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100		19651		
49	143.3	111.3	166.9		
51	42.1	38.0	57.0		
86	64.9	49.8	74.8		

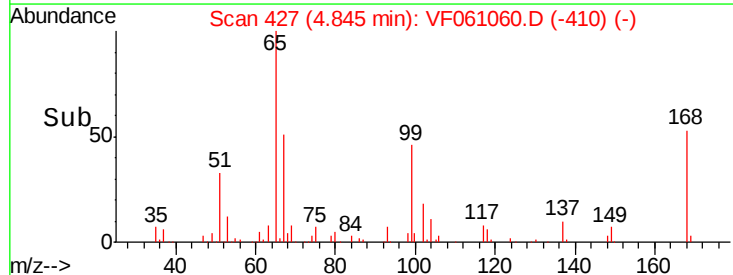
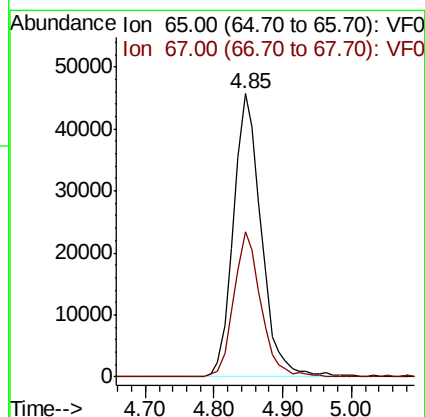
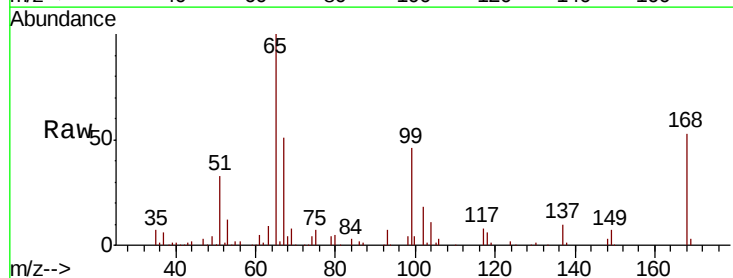
Manual Integrations
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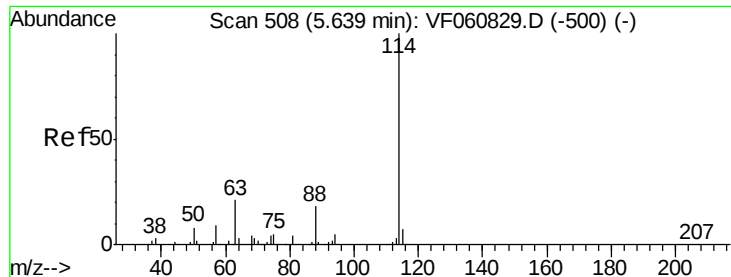
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#33
1,2-Dichloroethane-d4
Concen: 55.267 ug/l
RT: 4.85 min Scan# 427
Delta R.T. -0.03 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		128093		
67	51.3	0.0	96.4		





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF061060.D

Acq: 18 Dec 2018 14:00

Instrument :

MSVOA_F

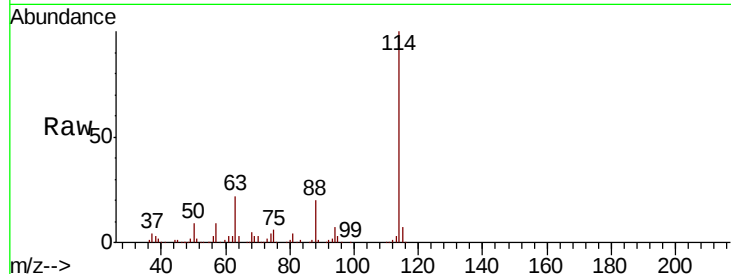
ClientSampleId :

OR-03-121718RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
114	100		354419		
63	21.7		0.0	41.6	
88	19.5		0.0	36.6	

Manual Integrations
APPROVED

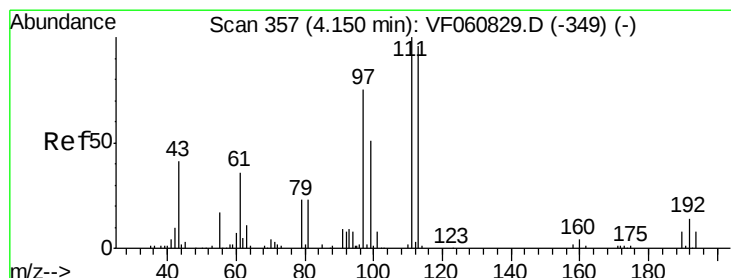
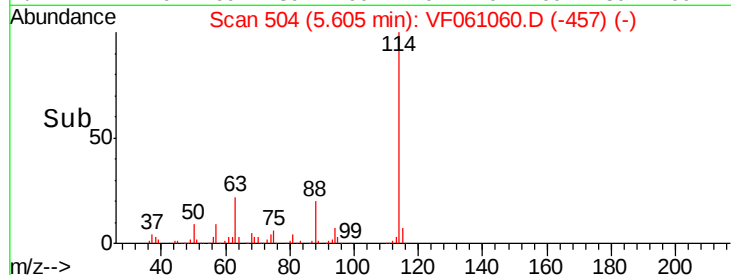
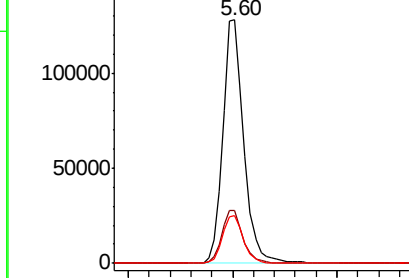
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 49.430 ug/l

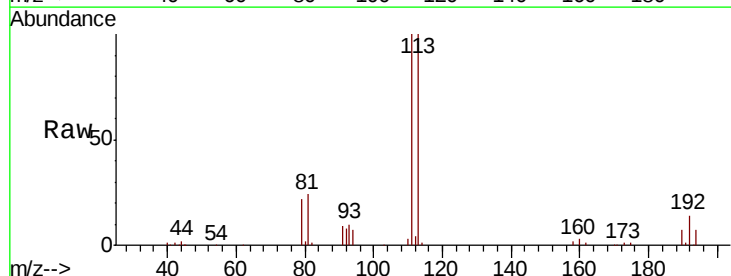
RT: 4.12 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF061060.D

Acq: 18 Dec 2018 14:00

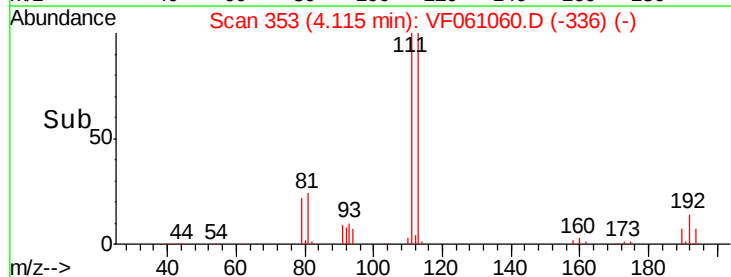
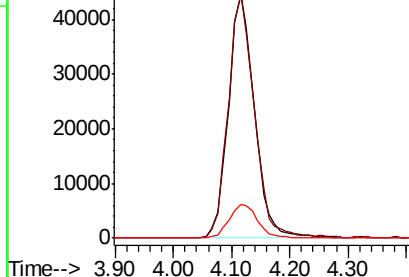
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
113	100		138983		
111	99.8		83.0	124.6	
192	14.0		12.3	18.5	

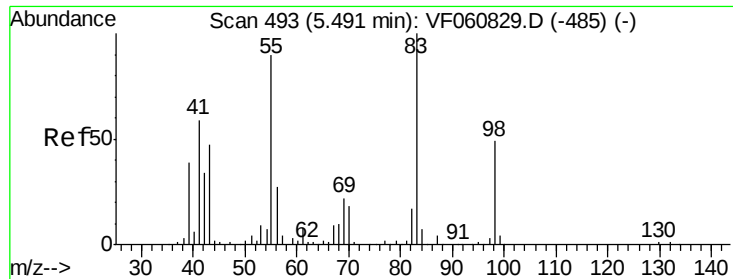


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





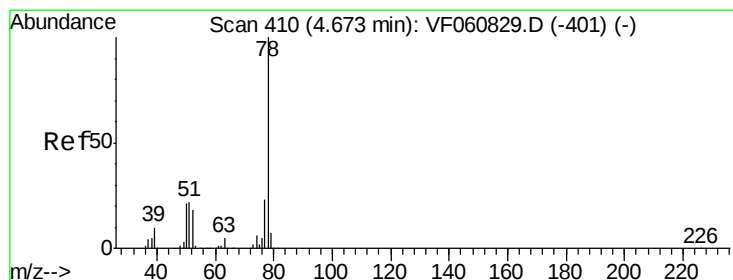
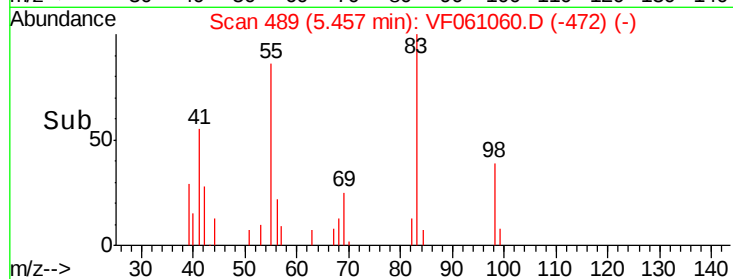
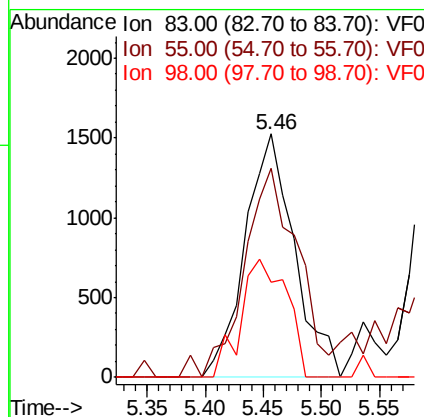
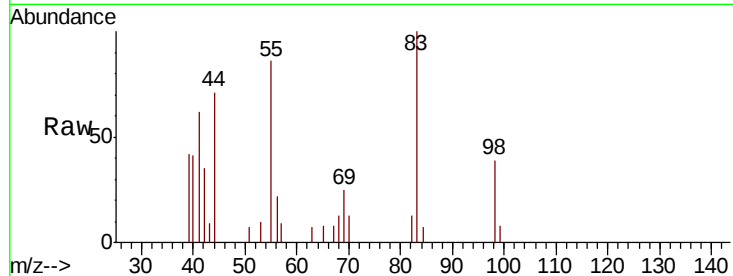
#39
Methvlcvclohexane
Concen: 1.088 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.03 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
OR-03-121718RE

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	72.1	108.1
98	39.3	39.1	58.7

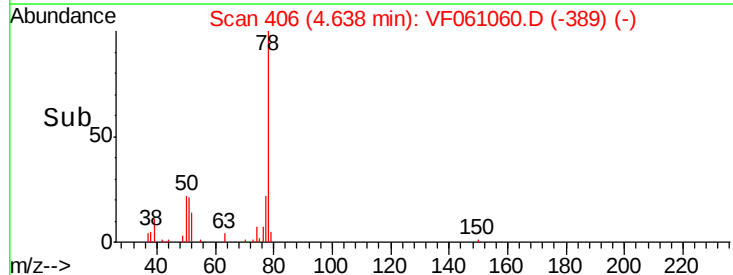
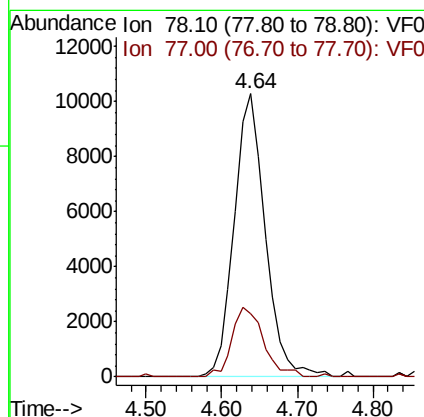
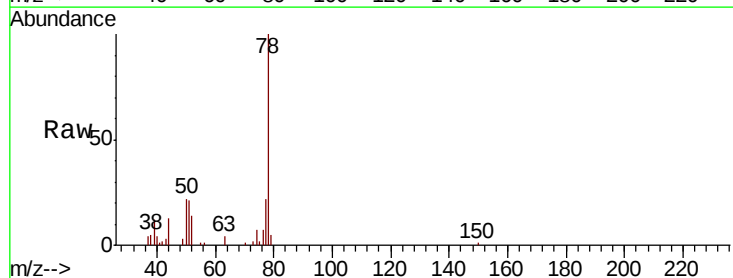
Manual Integrations
APPROVED

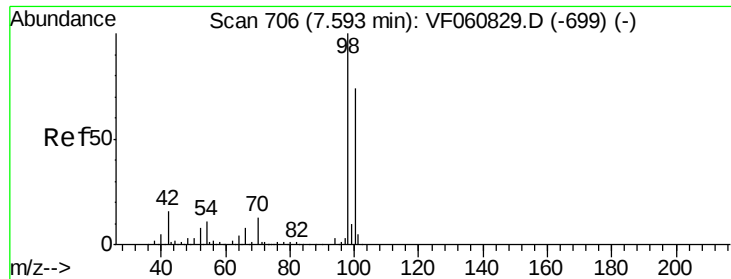
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#40
Benzene
Concen: 3.371 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.03 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.7	28.1





#50

Toluene-d8

Concen: 39.977 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.03 min

Lab File: VF061060.D

Acq: 18 Dec 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

OR-03-121718RE

Tot Ion: 98 Resp: 331104

Ion Ratio Lower Upper

98 100

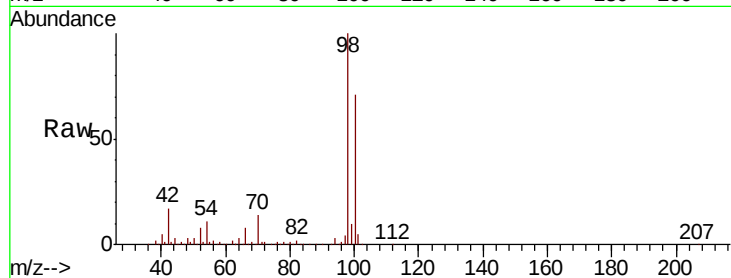
100 71.4 59.3 88.9

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

150000

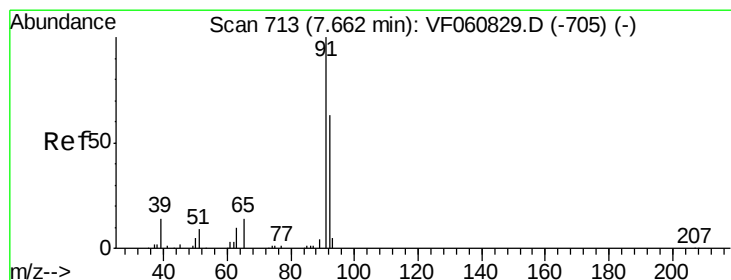
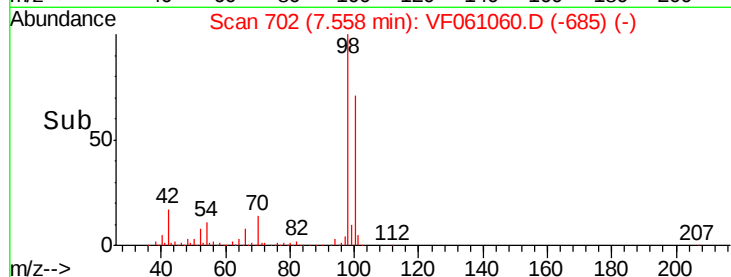
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#52

Toluene

Concen: 10.046 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.03 min

Lab File: VF061060.D

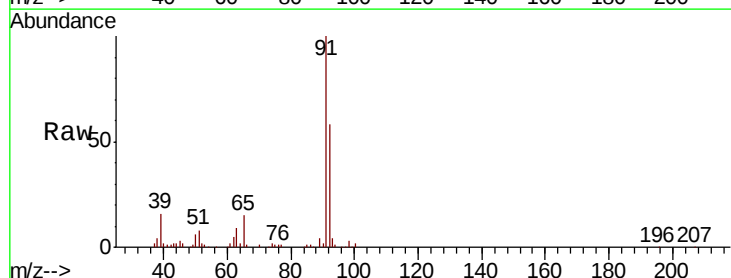
Acq: 18 Dec 2018 14:00

Tgt Ion: 92 Resp: 61285

Ion Ratio Lower Upper

92 100

91 172.2 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

50000

40000

30000

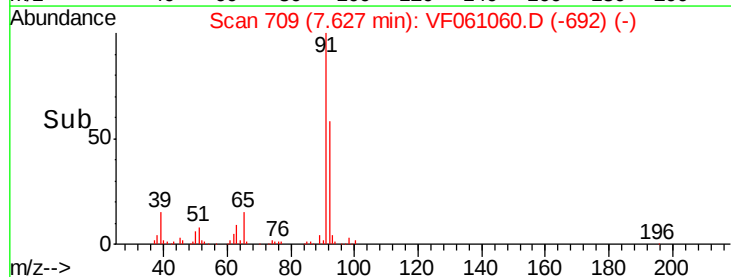
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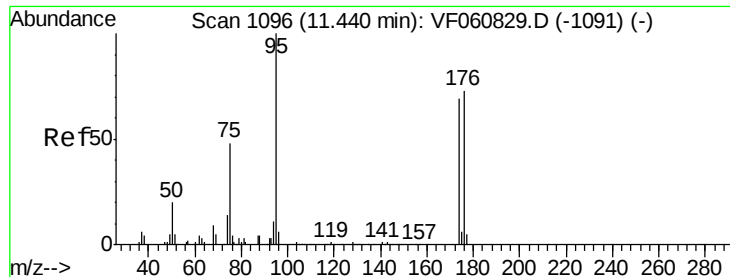
10000

0

7.50 7.60 7.70 7.80

Time-->





#62

4-Bromofluorobenzene

Concen: 35.826 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.02 min

Lab File: VF061060.D

Acq: 18 Dec 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

OR-03-121718RE

Tot Ion: 95 Resp: 134856

Ion Ratio Lower Upper

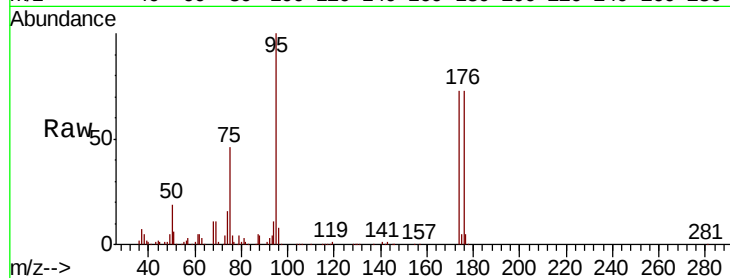
95 100

174 73.5 0.0 138.2

176 73.2 0.0 146.2

Manual Integrations
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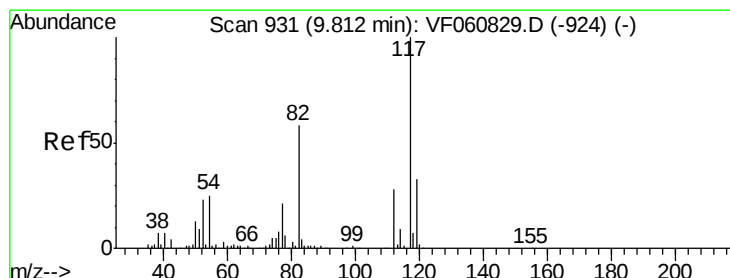
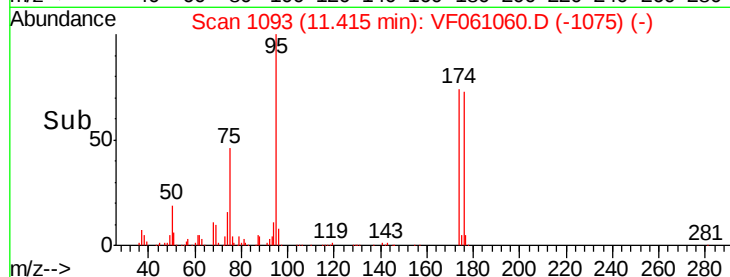
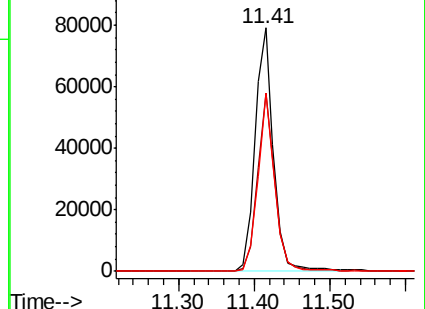
MMDadoda
12/19/2018 2:15:05 PM



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: 9.78 min Scan# 927

Delta R.T. -0.03 min

Lab File: VF061060.D

Acq: 18 Dec 2018 14:00

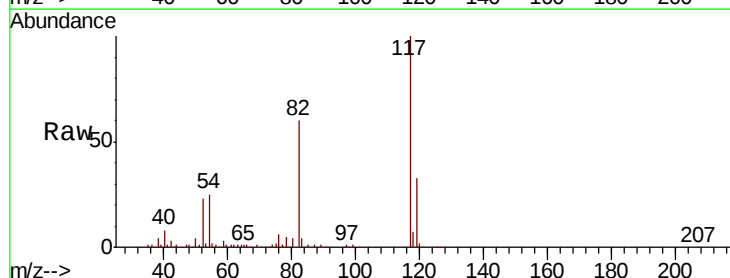
Tgt Ion: 117 Resp: 305595

Ion Ratio Lower Upper

117 100

82 60.4 46.6 69.8

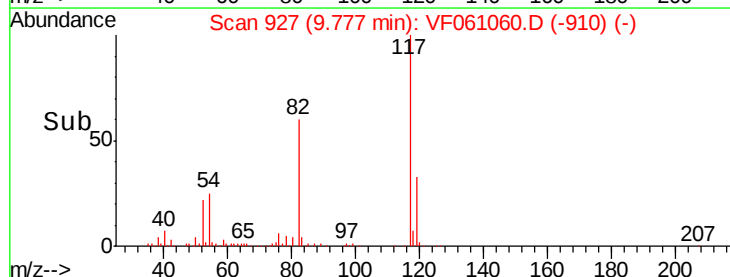
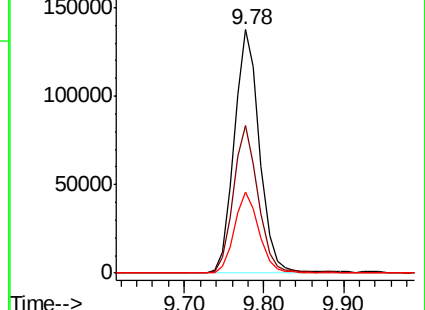
119 33.2 26.4 39.6

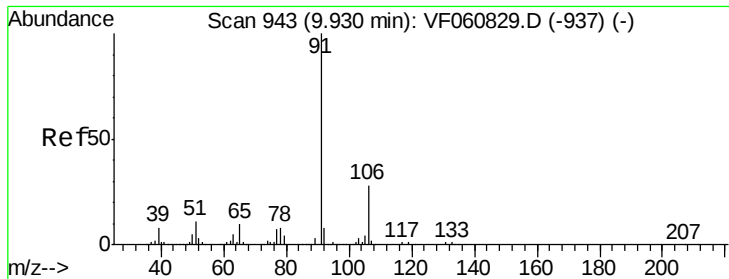


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





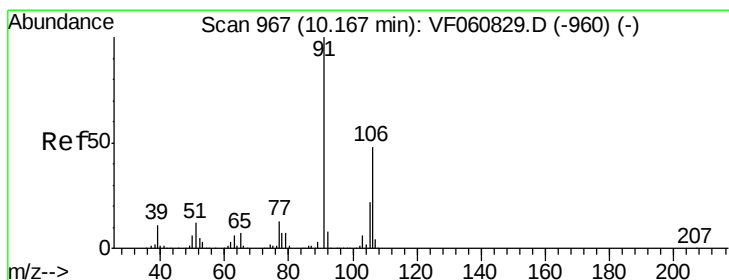
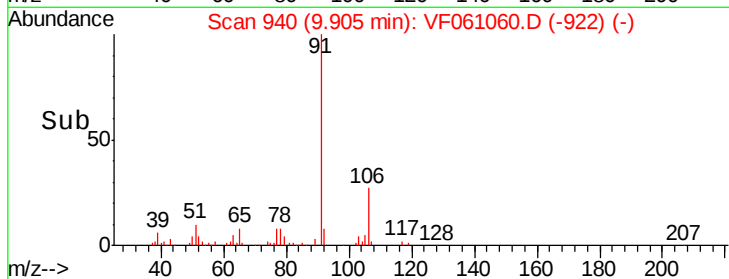
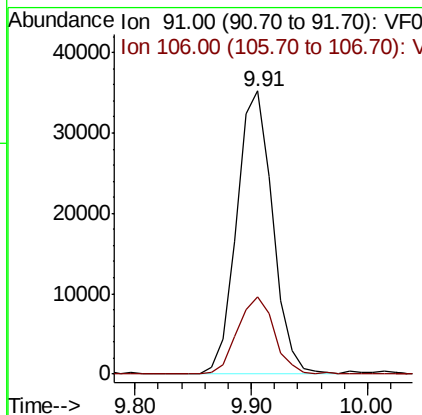
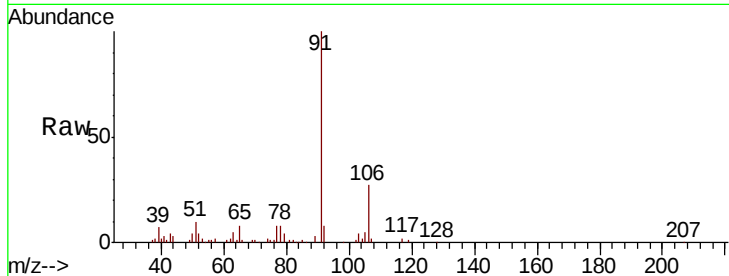
#67
Ethyl Benzene
Concen: 6.811 ug/l
RT: 9.91 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
OR-03-121718RE

Tot Ion: 91 Resp: 75379
Ion Ratio Lower Upper
91 100
106 27.4 22.2 33.2

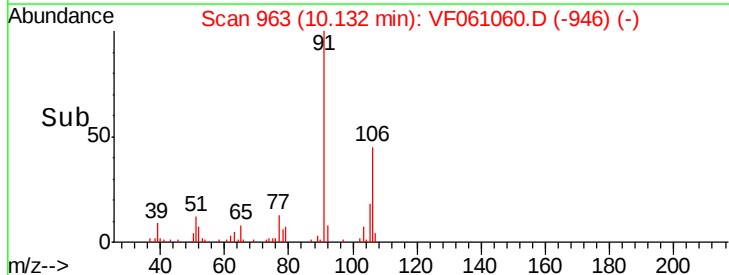
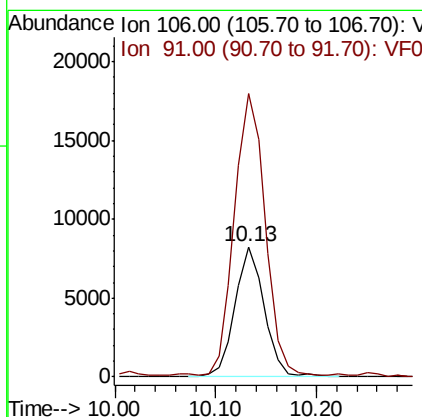
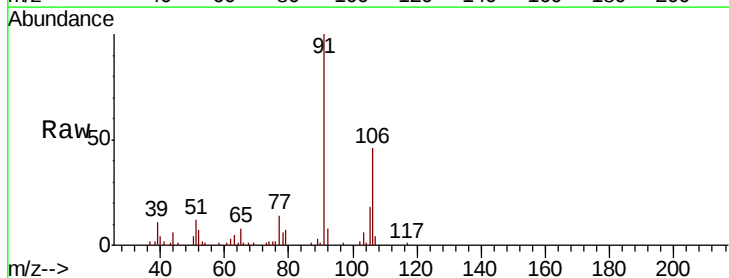
Manual Integrations
APPROVED

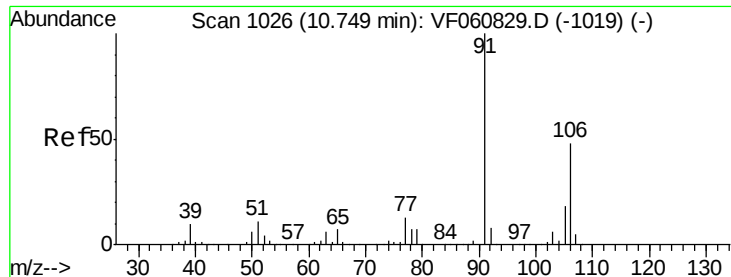
MMDadoda
12/19/2018 2:15:05 PM



#68
m/p-Xylenes
Concen: 4.217 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Tgt Ion: 106 Resp: 16785
Ion Ratio Lower Upper
106 100
91 217.8 166.7 250.1





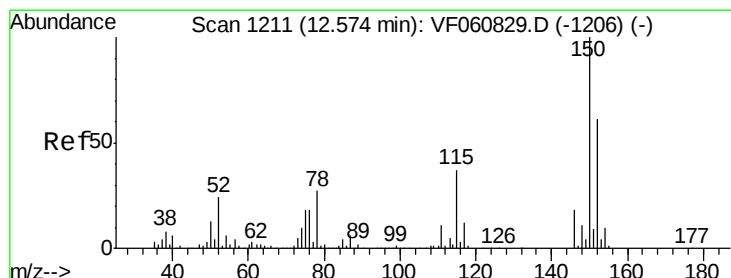
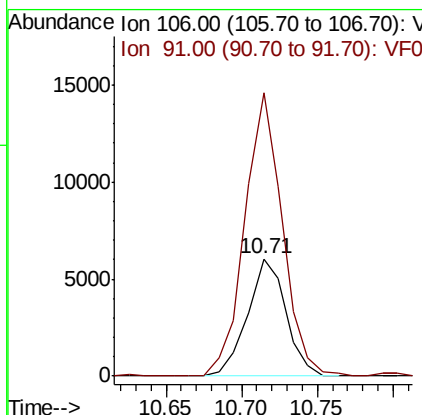
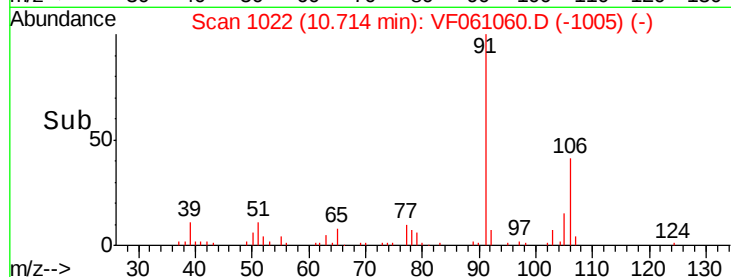
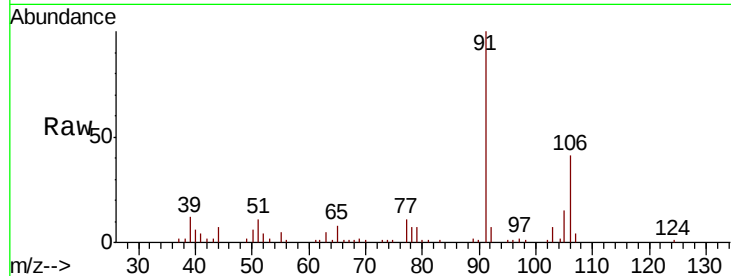
#69
o-Xylene
Concen: 2.440 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
OR-03-121718RE

Tot Ion:106 Resp: 10710
Ion Ratio Lower Upper
106 100
91 241.4 104.8 314.6

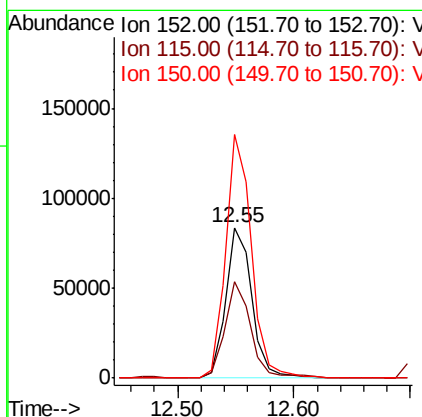
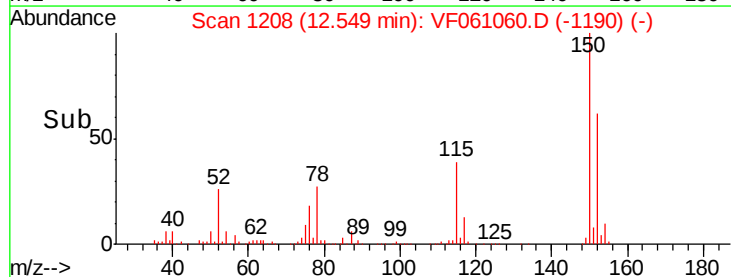
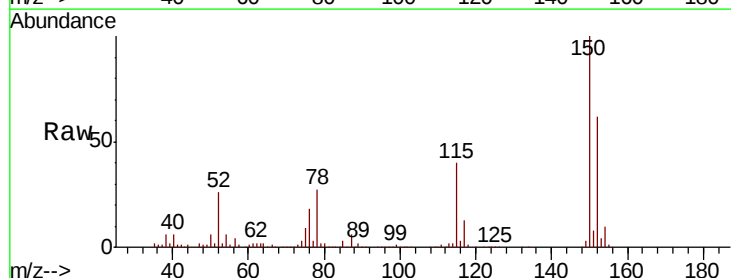
Manual Integrations
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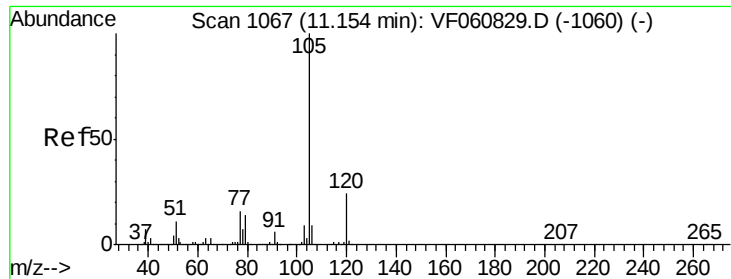
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12/19/2018 2:15:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Tgt Ion:152 Resp: 130739
Ion Ratio Lower Upper
152 100
115 64.1 30.1 90.5
150 162.0 0.0 327.6





#73

Isopropylbenzene

Concen: 8.043 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.02 min

Lab File: VF061060.D

Acq: 18 Dec 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

OR-03-121718RE

Tot Ion: 105 Resp: 83097

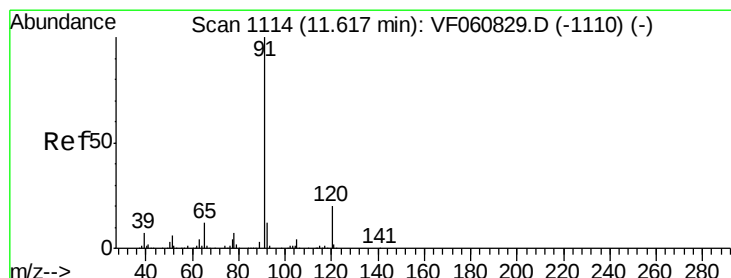
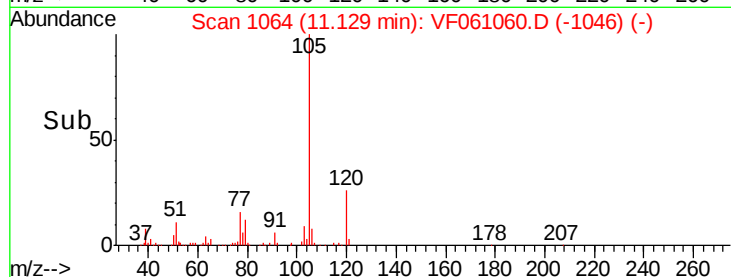
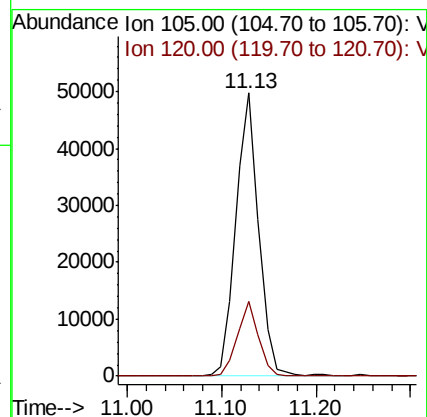
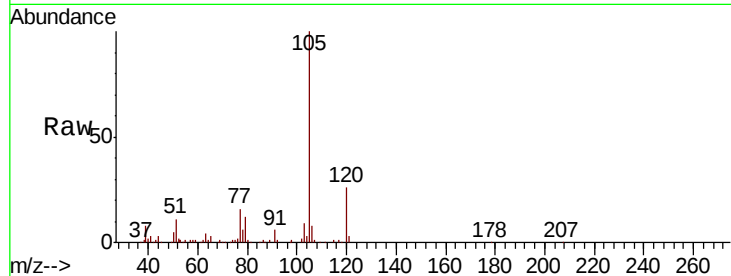
Ion Ratio Lower Upper

105 100

120 26.3 12.2 36.4

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#78

n-propylbenzene

Concen: 7.955 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061060.D

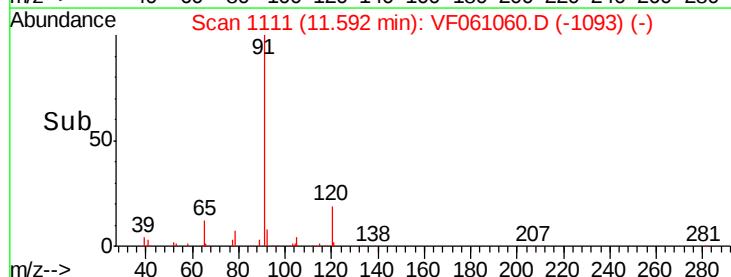
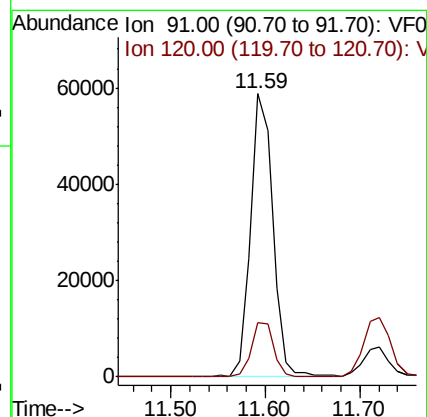
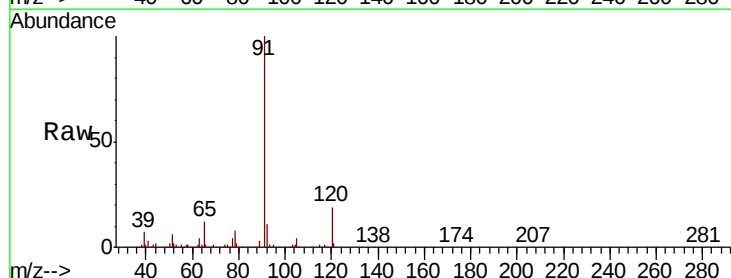
Acq: 18 Dec 2018 14:00

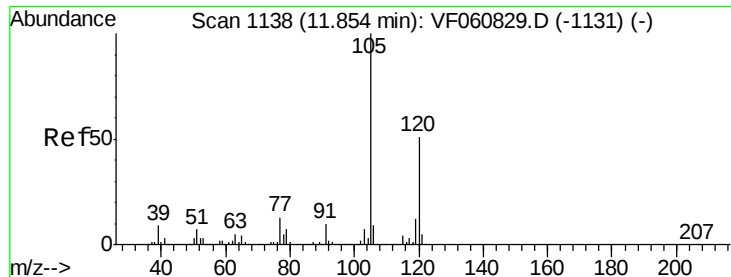
Tgt Ion: 91 Resp: 96245

Ion Ratio Lower Upper

91 100

120 19.0 10.3 30.8





#80

1,3,5-Trimethylbenzene

Concen: 1.838 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VF061060.D

Acq: 18 Dec 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

OR-03-121718RE

Tot Ion:105 Resp: 15413

Ion Ratio Lower Upper

105 100

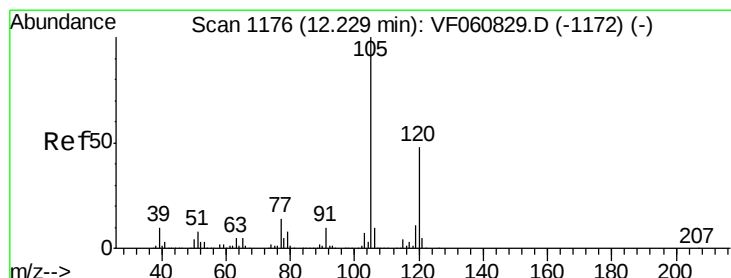
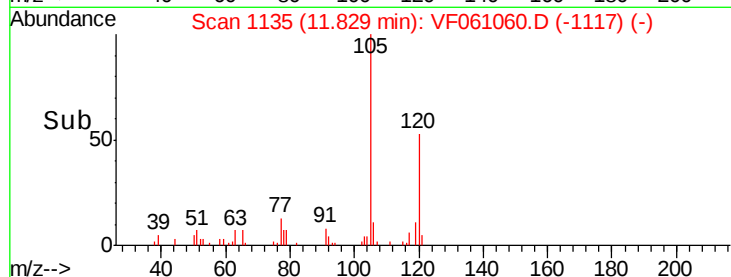
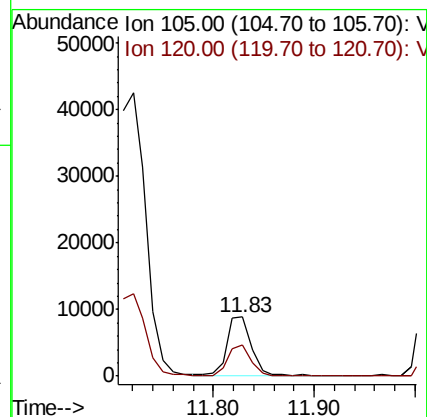
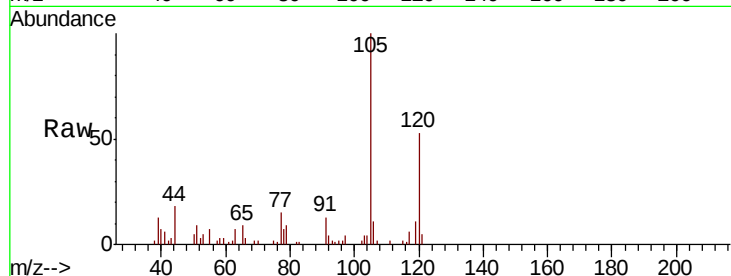
120 53.2 25.8 77.3

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#84

1,2,4-Trimethylbenzene

Concen: 12.282 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.02 min

Lab File: VF061060.D

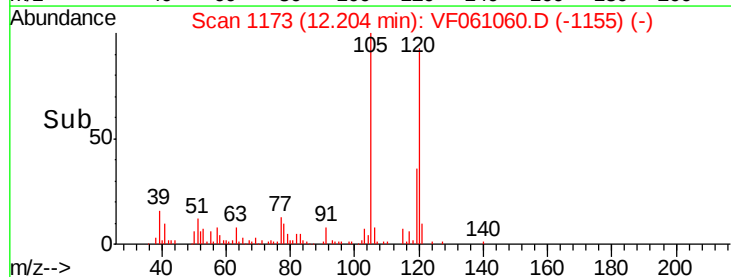
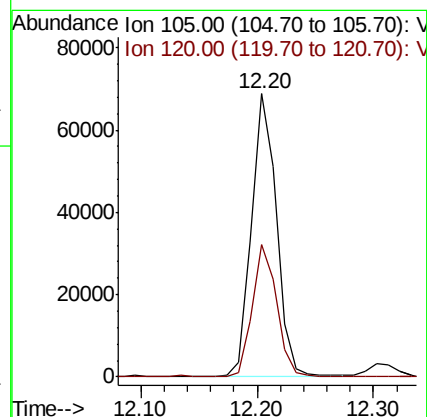
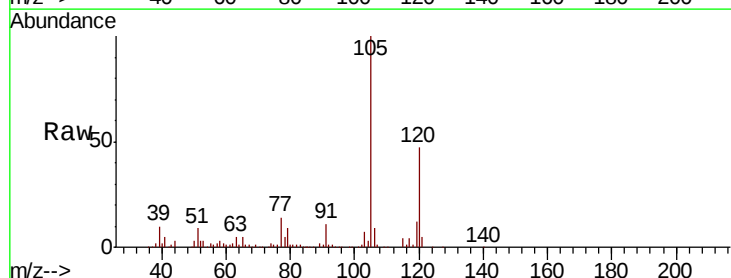
Acq: 18 Dec 2018 14:00

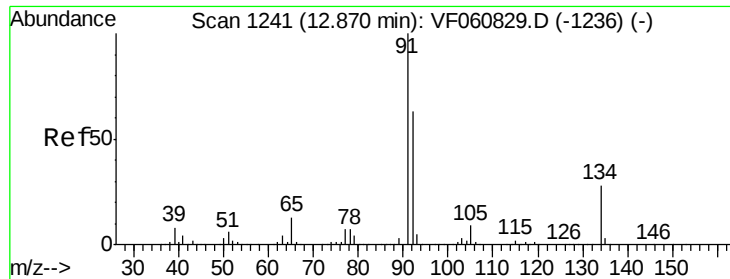
Tgt Ion:105 Resp: 102810

Ion Ratio Lower Upper

105 100

120 46.8 23.8 71.5





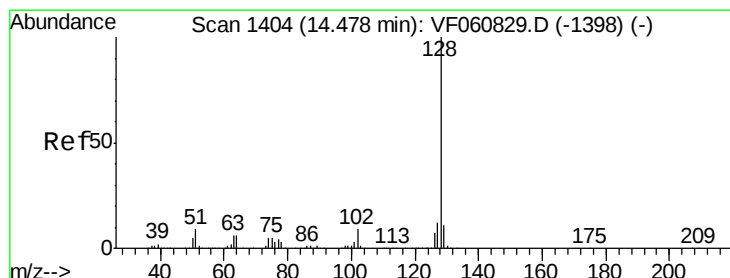
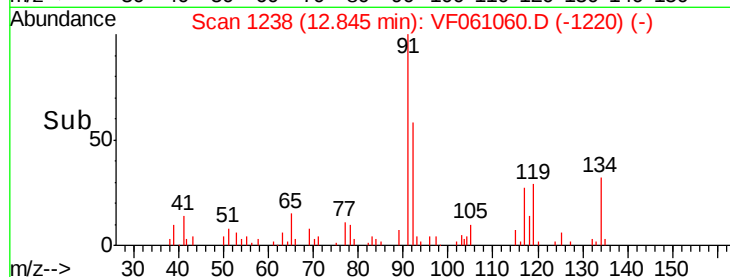
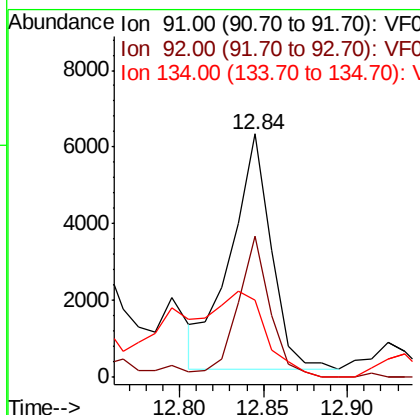
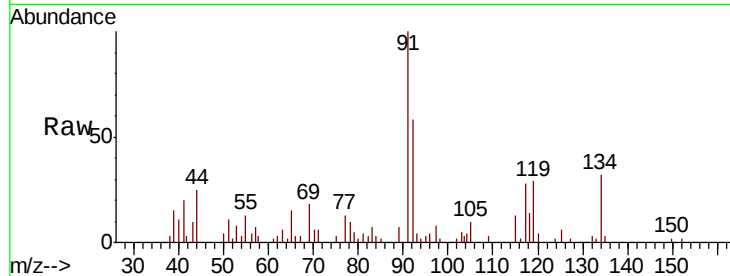
#89
n-Butylbenzene
Concen: 1.029 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
OR-03-121718RE

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	31.6	94.7
134	31.8	13.8	41.4

Manual Integrations
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#95
Naphthalene
Concen: 172.190 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061060.D
Acq: 18 Dec 2018 14:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	11.7	9.1	13.7

