

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061097.D
 Acq On : 19 Dec 2018 21:00
 Operator : VA/AP
 Sample : J6452-01
 Misc : 8.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MIHPT-20(17-20)

Manual Integrations
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 12/20/2018 5:19:32 PM

Quant Time: Dec 20 07:13:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	137867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	262064	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	75515	50.00	ug/l	0.13
72) 1,4-Dichlorobenzene-d4	12.57	152	40978	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	99421	56.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.14%	
35) Dibromofluoromethane	4.12	113	93400	44.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.98%	
50) Toluene-d8	7.56	98	204750	34.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.84%	
62) 4-Bromofluorobenzene	11.43	95	124176m	45.28	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	11005	153.795	ug/l #	80
16) Acetone	2.24	43	117174	330.549	ug/l	94
25) 2-Butanone	4.34	43	48653	84.628	ug/l #	84
27) cis-1,2-Dichloroethene	3.48	96	4243	2.132	ug/l	65
31) Cyclohexane	3.76	56	237194	91.578	ug/l #	66
39) Methylcyclohexane	5.46	83	506529	178.488	ug/l	99
40) Benzene	4.64	78	5506235	809.420	ug/l	99
52) Toluene	7.63	92	101380	22.514	ug/l	97
65) Chlorobenzene	9.91	112	19708160	12633.146	ug/l #	54
68) m/p-Xylenes	10.16	106	74027	74.012	ug/l	82
69) o-Xylene	10.74	106	259803	234.206	ug/l	84
73) Isopropylbenzene	11.16	105	353197	100.019	ug/l	94
80) 1,3,5-Trimethylbenzene	11.85	105	27652	9.510	ug/l	85
83) tert-Butylbenzene	12.15	119	76459	25.553	ug/l #	51
84) 1,2,4-Trimethylbenzene	12.23	105	1313236	452.895	ug/l	94
85) sec-Butylbenzene	12.34	105	588563	150.729	ug/l #	72
86) p-Isopropyltoluene	12.49	119	231529m	71.434	ug/l	
87) 1,3-Dichlorobenzene	12.50	146	448813	399.367	ug/l #	74
88) 1,4-Dichlorobenzene	12.59	146	680755	487.698	ug/l #	78
95) Naphthalene	14.46	128	584874	332.334	ug/l #	93

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

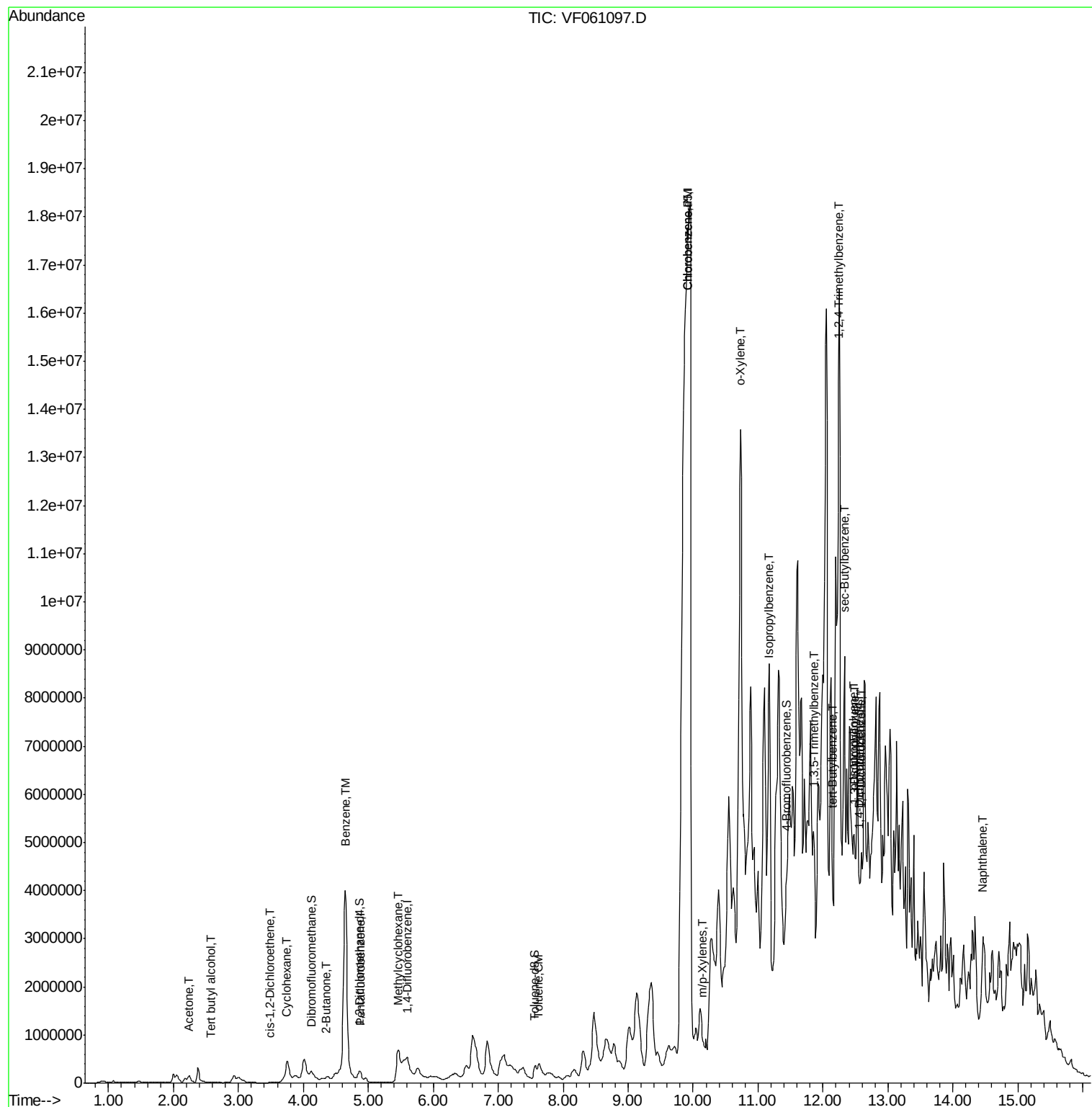
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061097.D
Acq On : 19 Dec 2018 21:00
Operator : VA/AP
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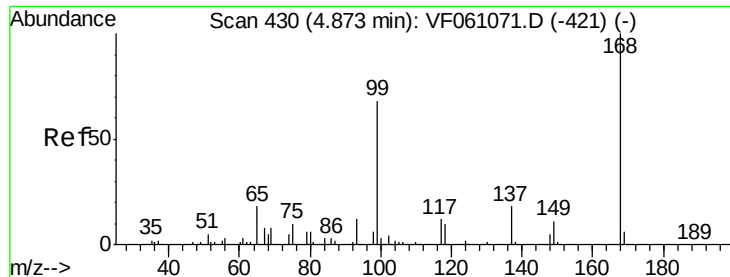
Instrument :
MSVOA_F
ClientSampleId :
MIHPT-20(17-20)

Manual Integrations
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Quant Time: Dec 20 07:13:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061097.D

Acq: 19 Dec 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

MIHPT-20(17-20)

Tgt Ion:168 Resp: 137867

Ion Ratio Lower Upper

168 100

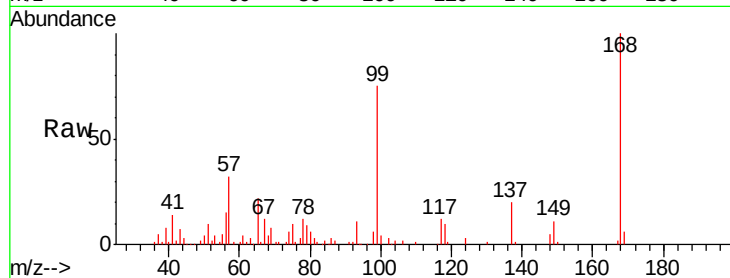
99 74.6 54.4 81.6

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

4.88

50000

40000

30000

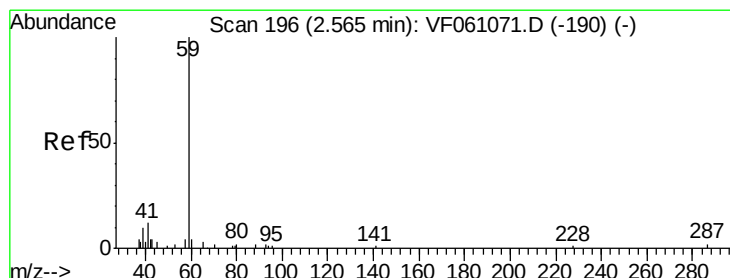
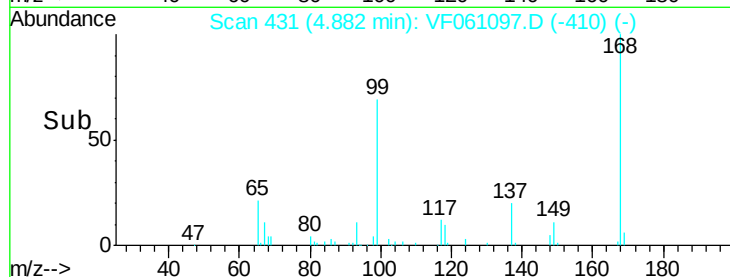
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 153.795 ug/l

RT: 2.58 min Scan# 198

Delta R.T. 0.02 min

Lab File: VF061097.D

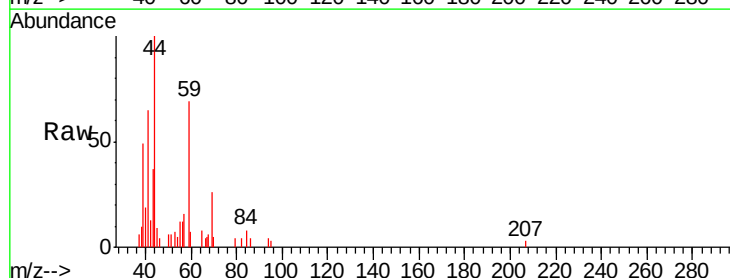
Acq: 19 Dec 2018 21:00

Tgt Ion: 59 Resp: 11005

Ion Ratio Lower Upper

59 100

57 22.4 11.5 17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

12000

10000

8000

6000

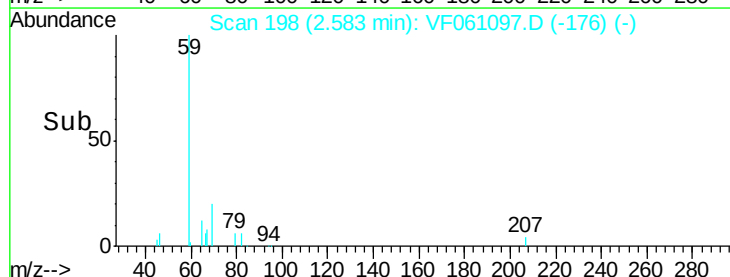
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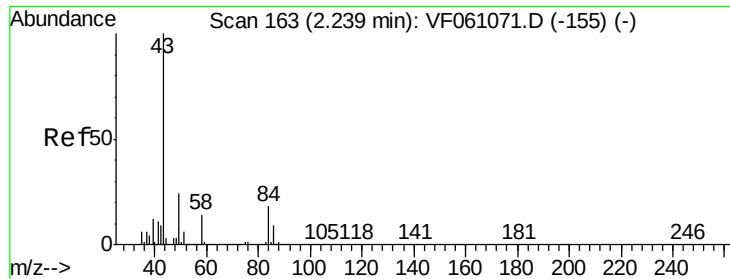
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0

Time-->

2.50 2.60 2.70





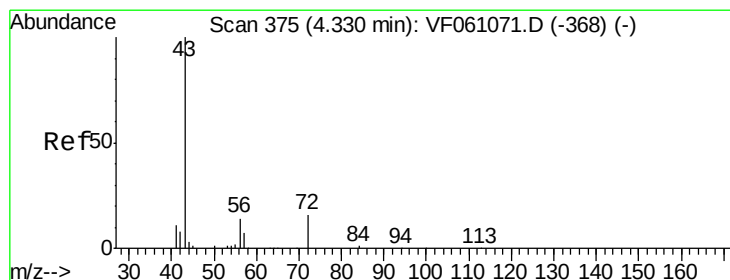
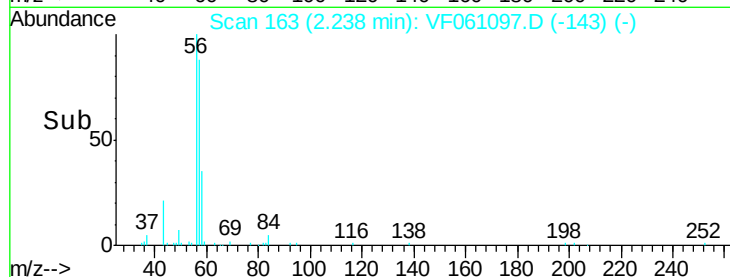
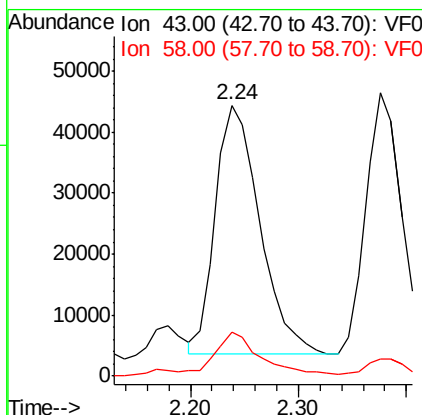
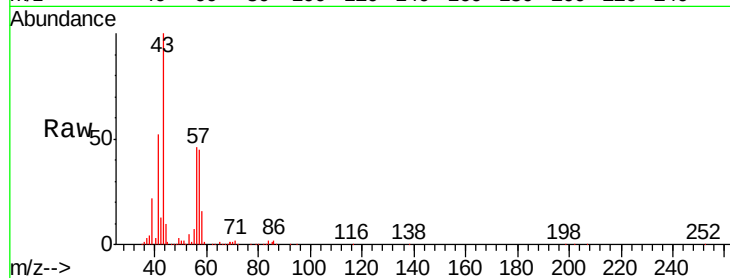
#16
Acetone
Concen: 330.549 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.00 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
MIHPT-20(17-20)

Tgt Ion: 43 Resp: 117174
Ion Ratio Lower Upper
43 100
58 16.2 11.1 16.7

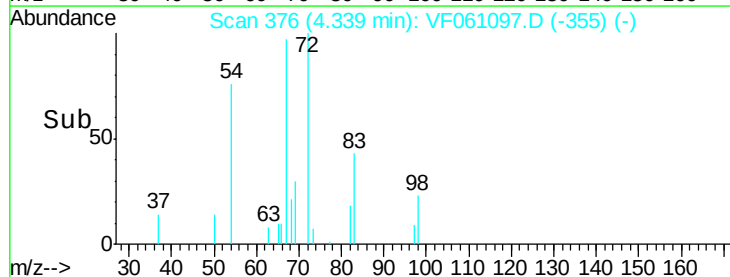
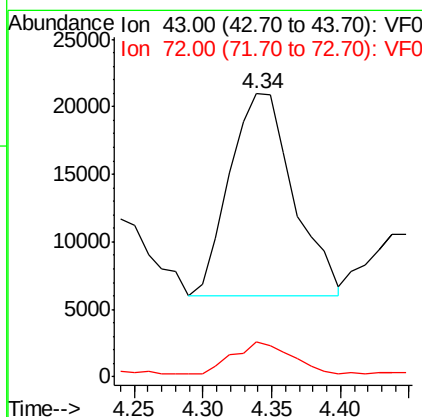
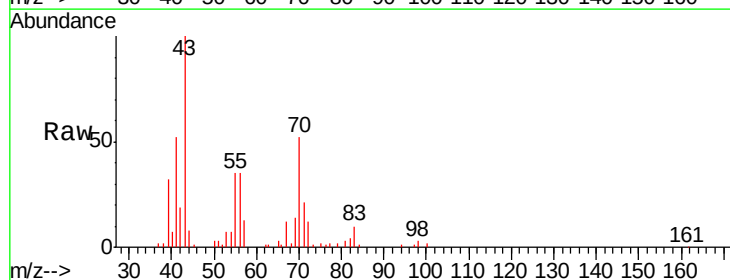
Manual Integrations
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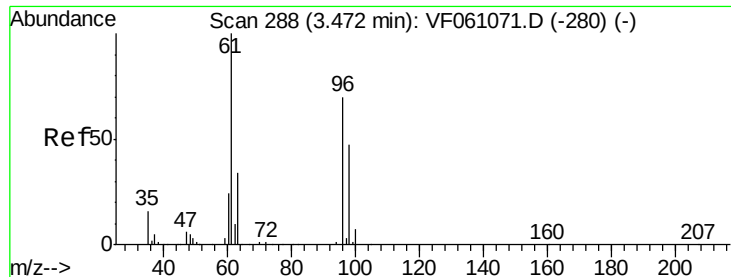
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#25
2-Butanone
Concen: 84.628 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Tgt Ion: 43 Resp: 48653
Ion Ratio Lower Upper
43 100
72 12.4 15.6 23.4#





#27

cis-1,2-Dichloroethene

Concen: 2.132 ug/l

RT: 3.48 min Scan# 289

Delta R.T. 0.01 min

Lab File: VF061097.D

Acq: 19 Dec 2018 21:00

Instrument :

MSVOA_F

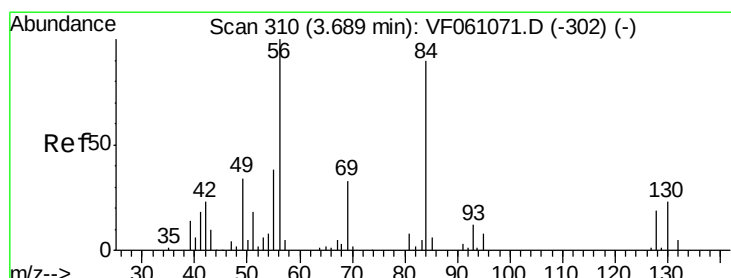
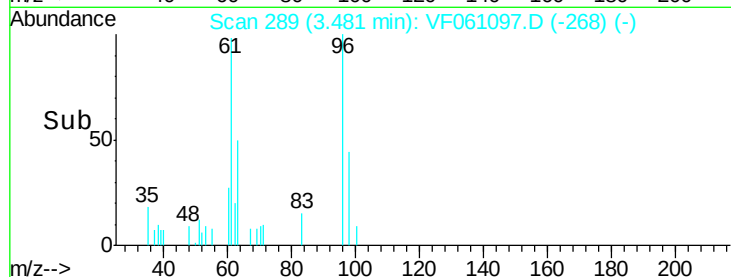
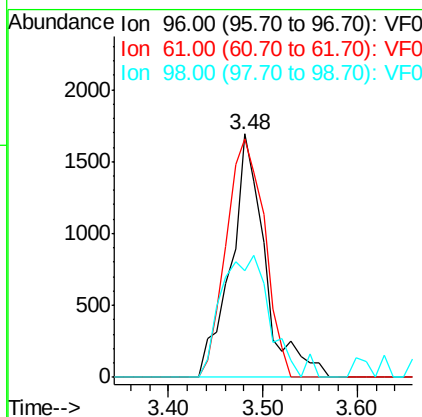
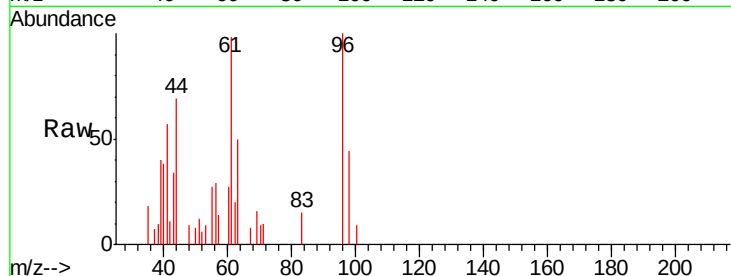
ClientSampleId :

MIHPT-20(17-20)

Tgt Ion:	96	Resp:	4243
Ion	Ratio	Lower	Upper
96	100		
61	98.2	0.0	287.8
98	43.5	0.0	134.2

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#31

Cyclohexane

Concen: 91.578 ug/l

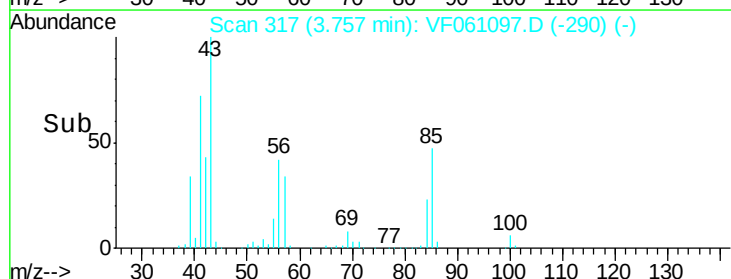
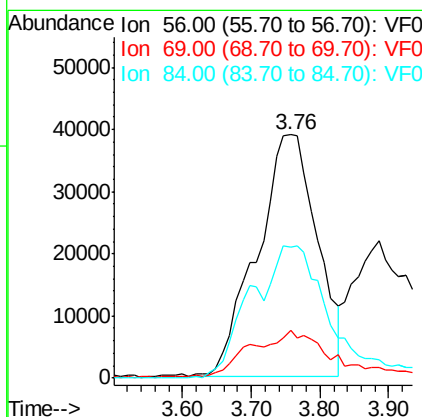
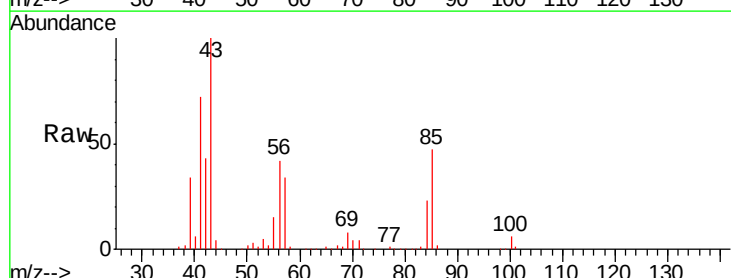
RT: 3.76 min Scan# 317

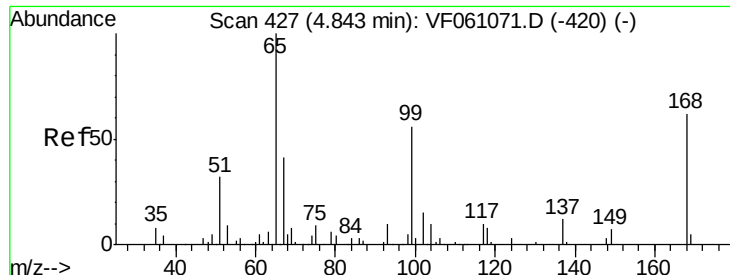
Delta R.T. 0.07 min

Lab File: VF061097.D

Acq: 19 Dec 2018 21:00

Tgt Ion:	56	Resp:	237194
Ion	Ratio	Lower	Upper
56	100		
69	19.5	26.0	39.0#
84	54.0	71.4	107.2#





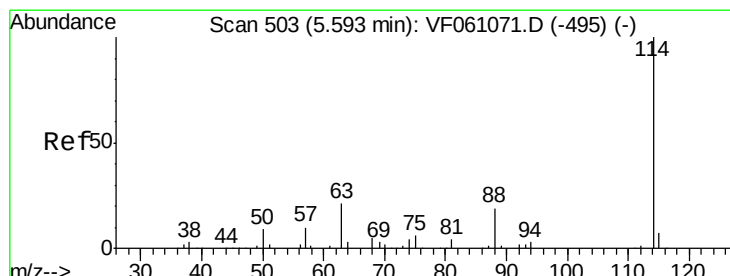
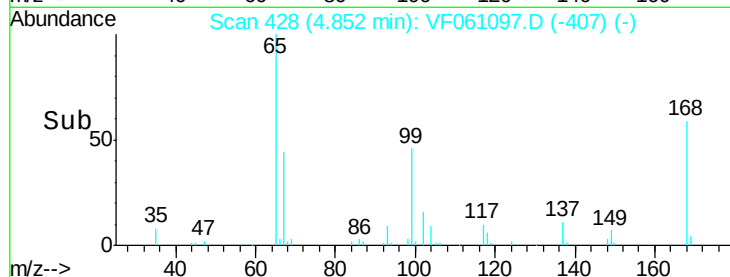
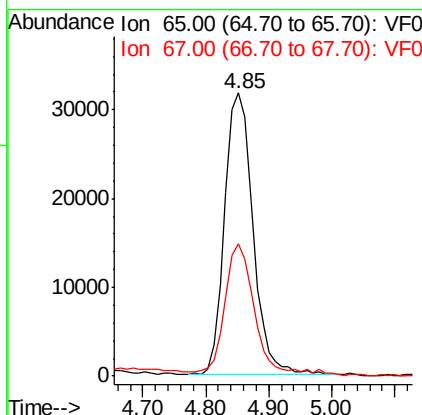
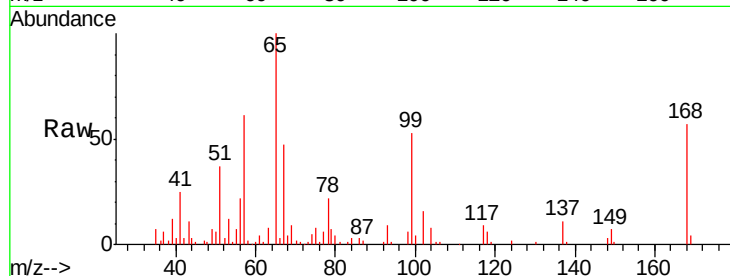
#33
 1,2-Dichloroethane-d4
 Concen: 56.068 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061097.D
 Acq: 19 Dec 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 MIHPT-20(17-20)

Tgt Ion: 65 Resp: 99421
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 94.6

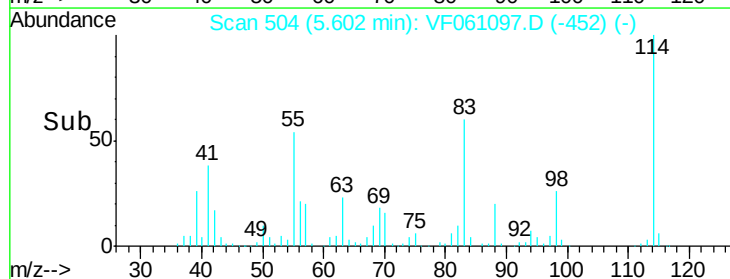
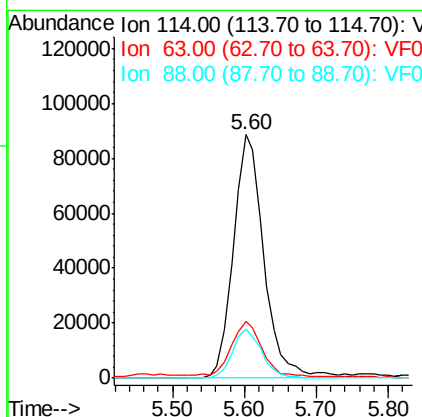
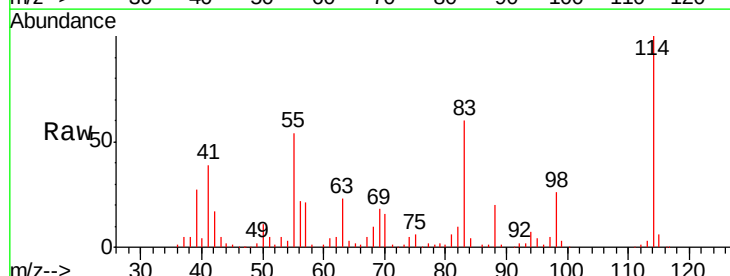
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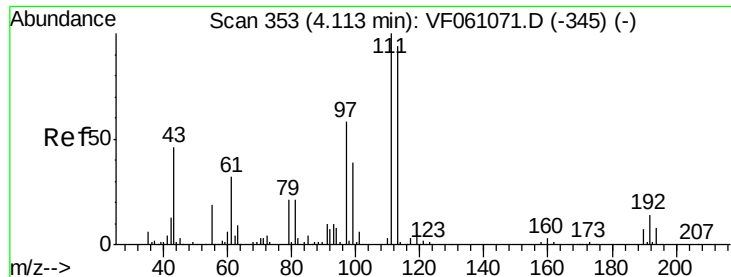
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061097.D
 Acq: 19 Dec 2018 21:00

Tgt Ion: 114 Resp: 262064
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 41.6
 88 20.2 0.0 38.0





#35

Dibromofluoromethane

Concen: 44.491 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061097.D

Acq: 19 Dec 2018 21:00

Instrument :

MSVOA_F

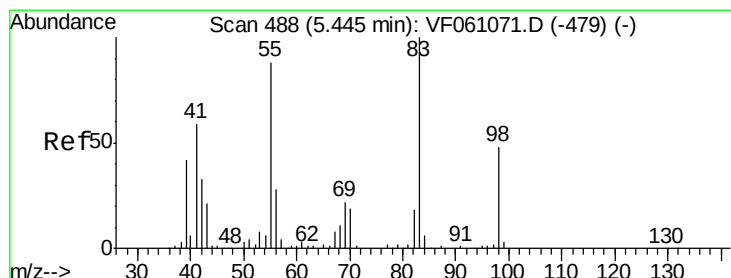
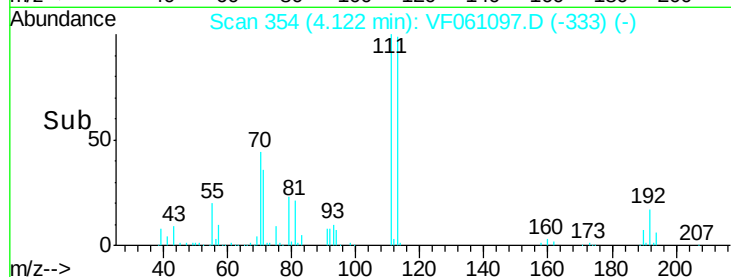
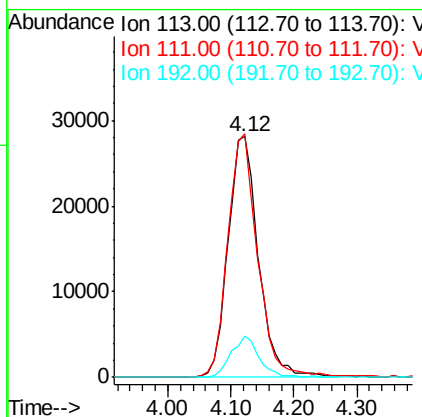
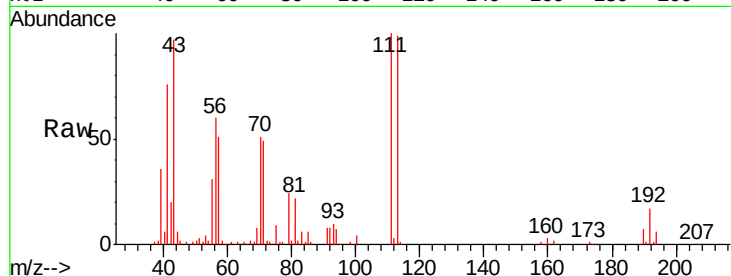
ClientSampleId :

MIHPT-20(17-20)

Tgt Ion:	113	Resp:	93400
Ion	Ratio	Lower	Upper
113	100		
111	101.3	85.2	127.8
192	17.1	12.8	19.2

Manual Integrations
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#39

Methylcyclohexane

Concen: 178.488 ug/l

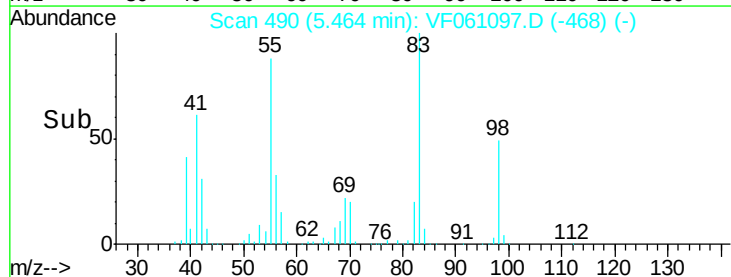
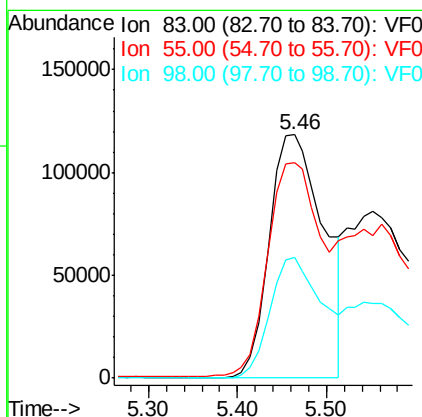
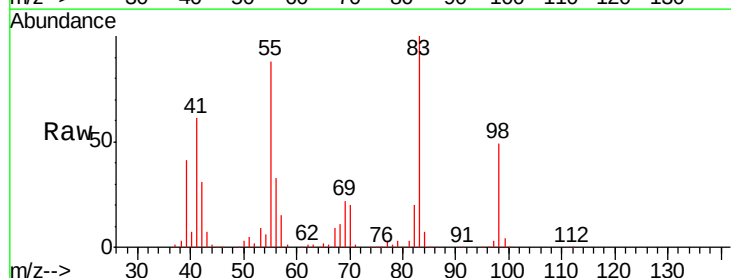
RT: 5.46 min Scan# 490

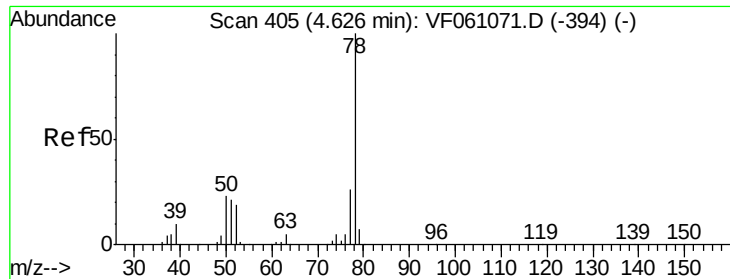
Delta R.T. 0.02 min

Lab File: VF061097.D

Acq: 19 Dec 2018 21:00

Tgt Ion:	83	Resp:	506529
Ion	Ratio	Lower	Upper
83	100		
55	88.3	70.6	105.8
98	49.5	38.5	57.7





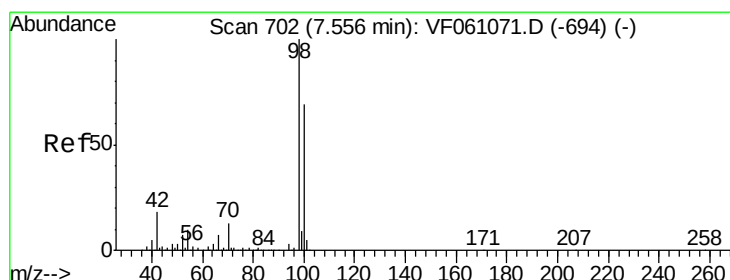
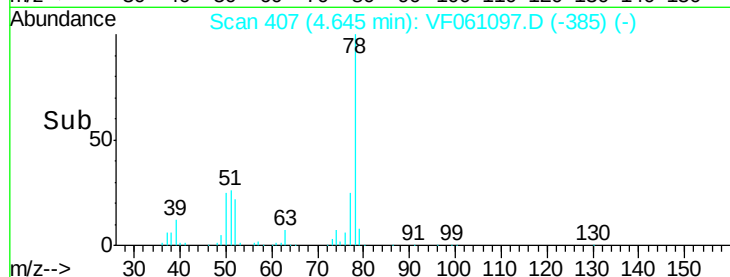
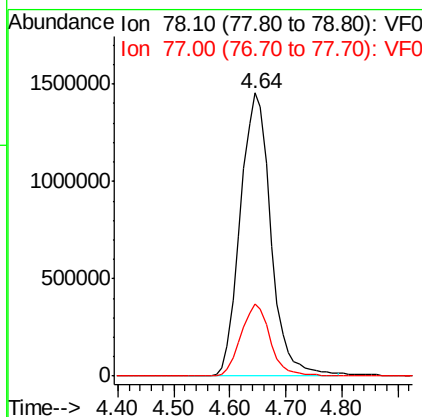
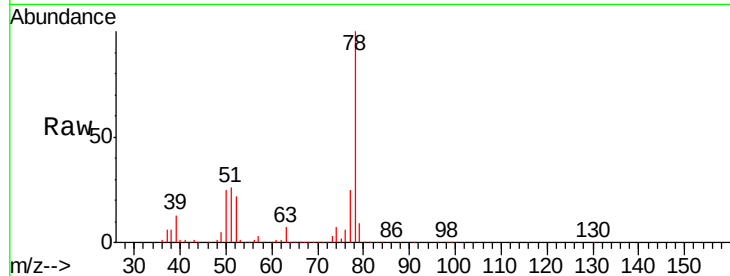
#40
Benzene
Concen: 809.420 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
MIHPT-20(17-20)

Tgt Ion: 78 Resp: 5506235
Ion Ratio Lower Upper
78 100
77 25.3 20.7 31.1

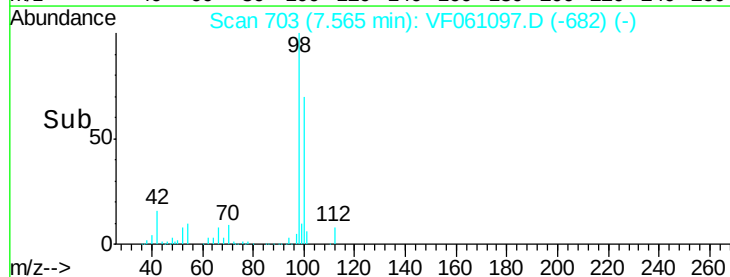
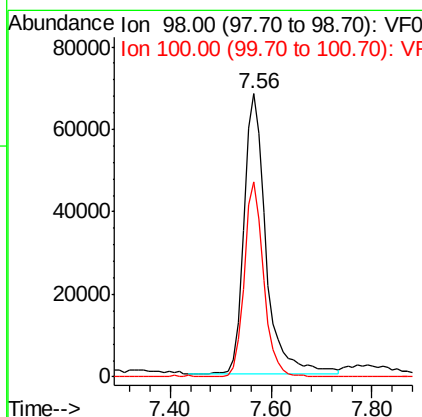
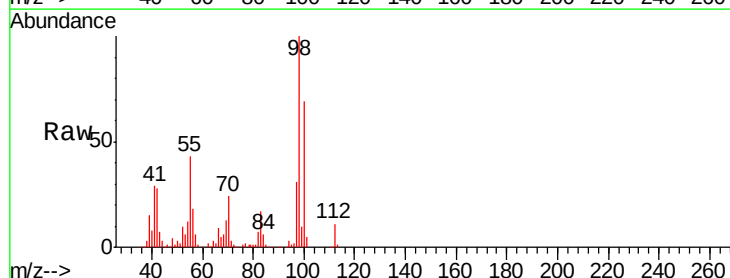
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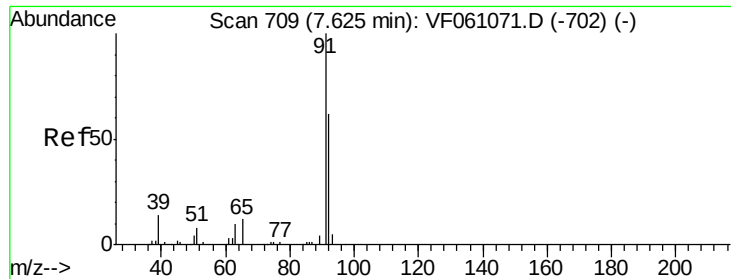
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#50
Toluene-d8
Concen: 34.417 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Tgt Ion: 98 Resp: 204750
Ion Ratio Lower Upper
98 100
100 68.7 55.3 82.9





#52

Toluene

Concen: 22.514 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061097.D

Acq: 19 Dec 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

MIHPT-20(17-20)

Tgt Ion: 92 Resp: 101380

Ion Ratio Lower Upper

92 100

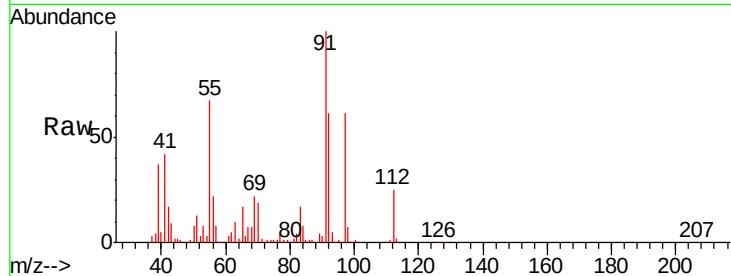
91 164.4 128.8 193.2

Manual Integrations

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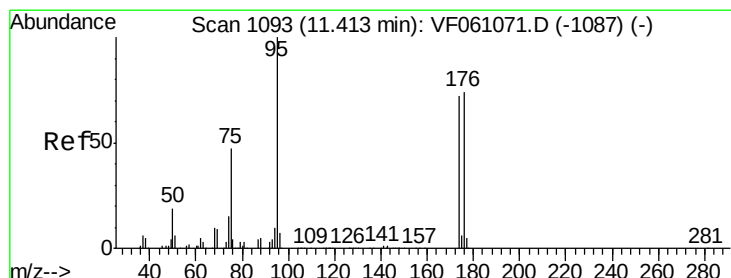
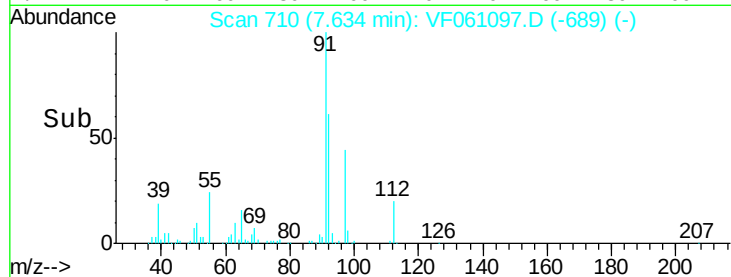
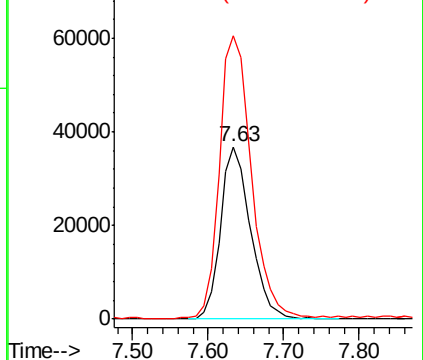
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 45.276 ug/l m

RT: 11.43 min Scan# 1095

Delta R.T. 0.02 min

Lab File: VF061097.D

Acq: 19 Dec 2018 21:00

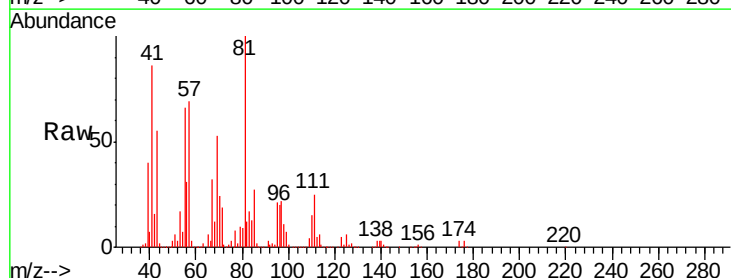
Tgt Ion: 95 Resp: 124176

Ion Ratio Lower Upper

95 100

174 13.6 0.0 143.8

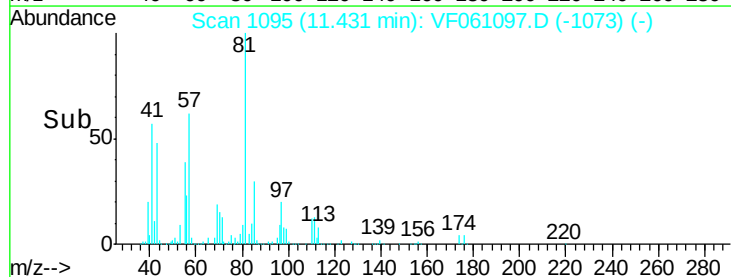
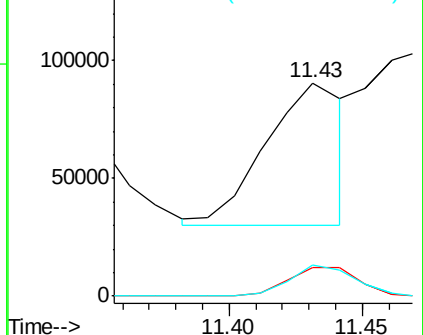
176 14.8 0.0 147.6

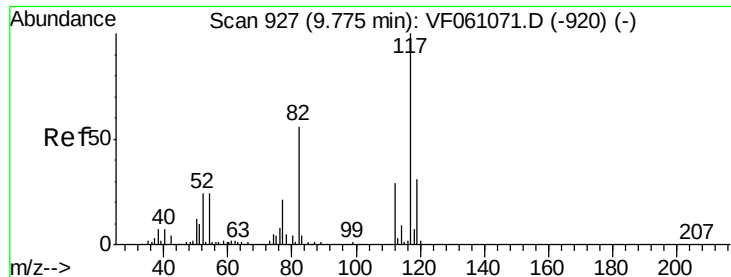


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





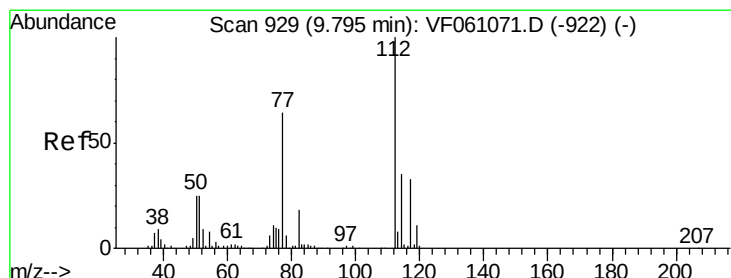
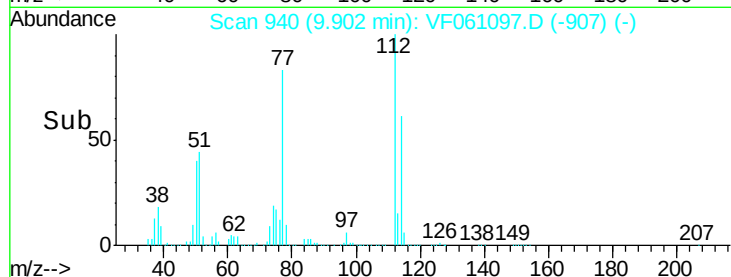
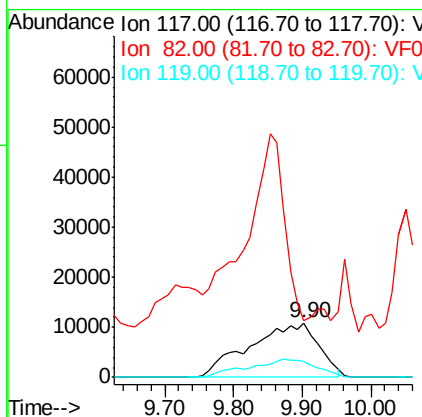
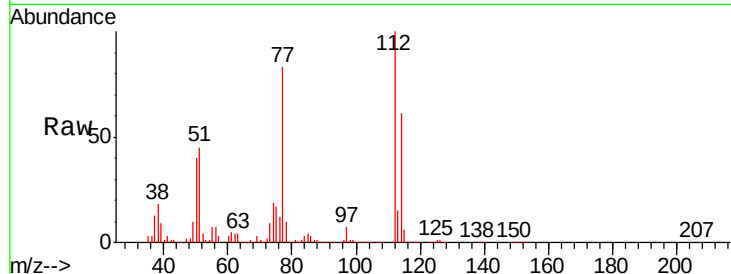
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.13 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
MIHPT-20(17-20)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	103.3	45.0	67.4#
119	29.0	24.8	37.2

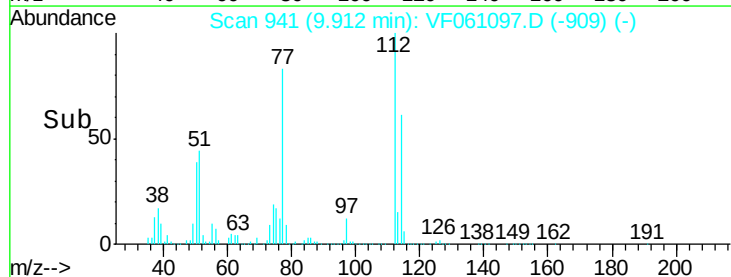
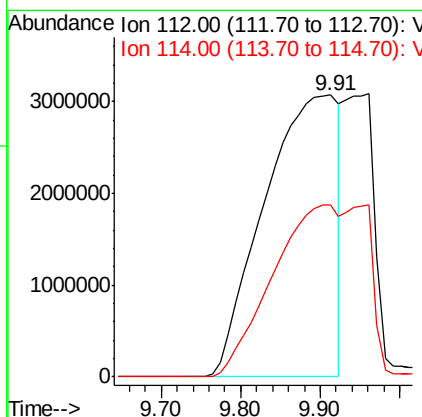
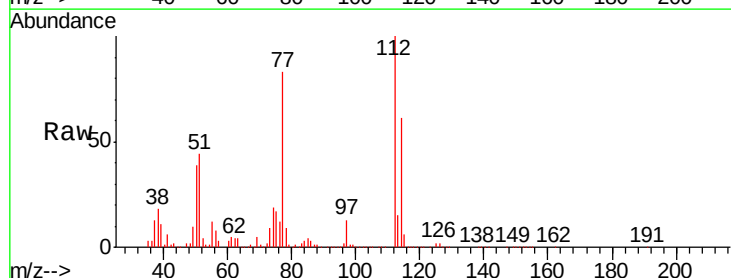
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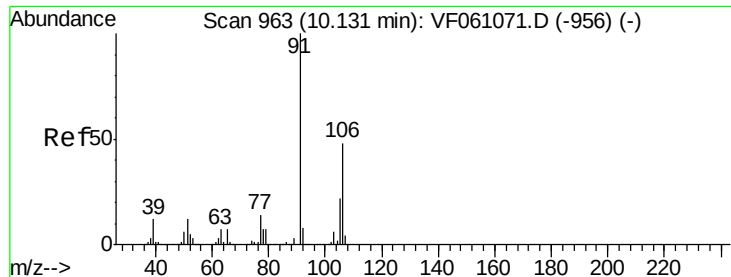
MMDadoda
12/20/2018 5:19:32 PM



#65
Chlorobenzene
Concen: 12633.146 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.12 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	61.1	27.8	41.6#





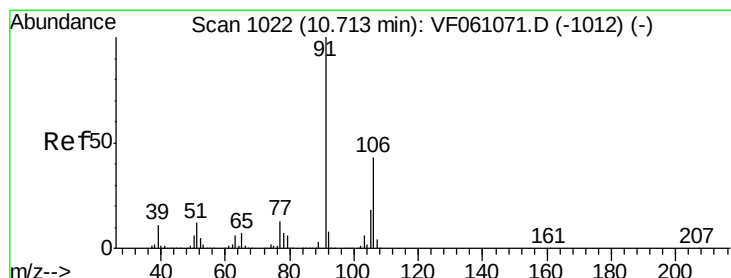
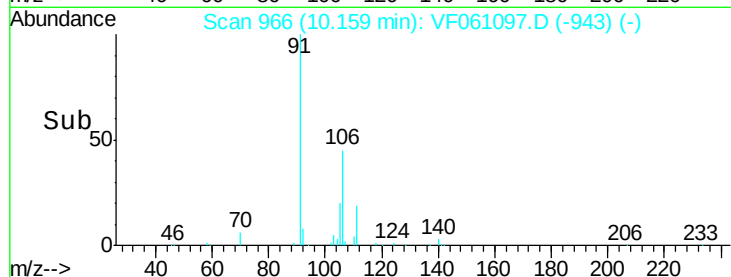
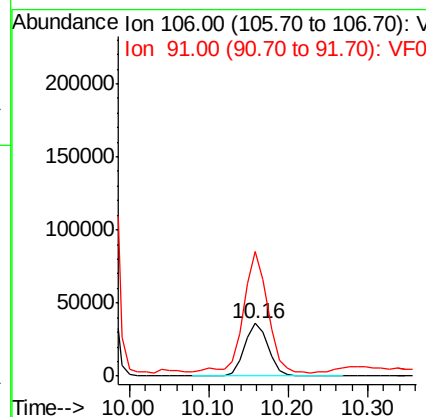
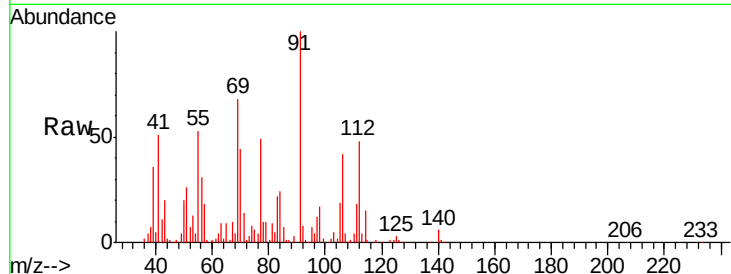
#68
m/p-Xylenes
Concen: 74.012 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.03 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
MIHPT-20(17-20)

Tgt Ion:106 Resp: 74027
Ion Ratio Lower Upper
106 100
91 237.7 168.2 252.2

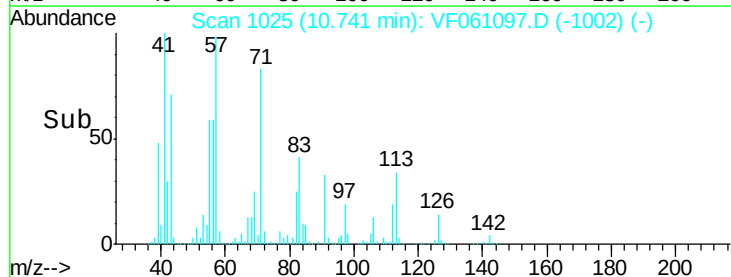
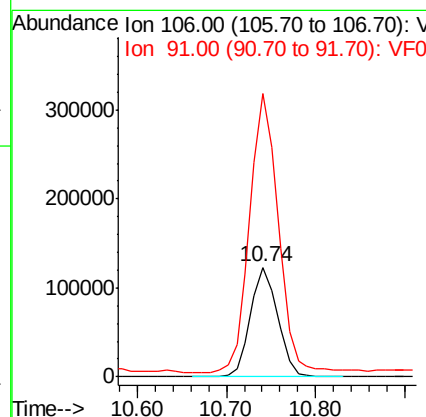
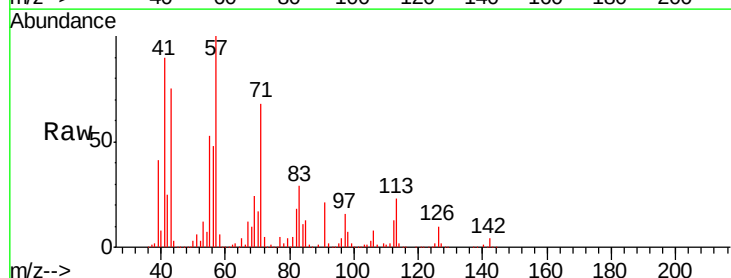
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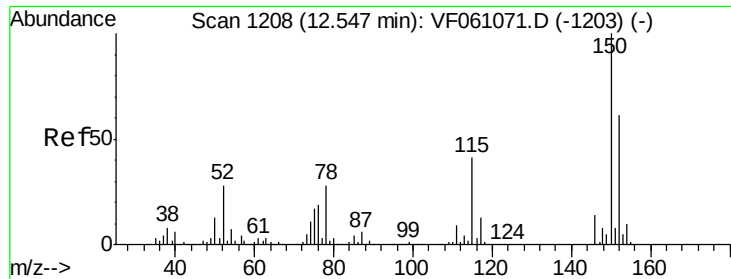
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#69
o-Xylene
Concen: 234.206 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Tgt Ion:106 Resp: 259803
Ion Ratio Lower Upper
106 100
91 257.8 115.9 347.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.02 min

Lab File: VF061097.D

Acq: 19 Dec 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

MIHPT-20(17-20)

Tgt Ion:152 Resp: 40978

Ion Ratio Lower Upper

152 100

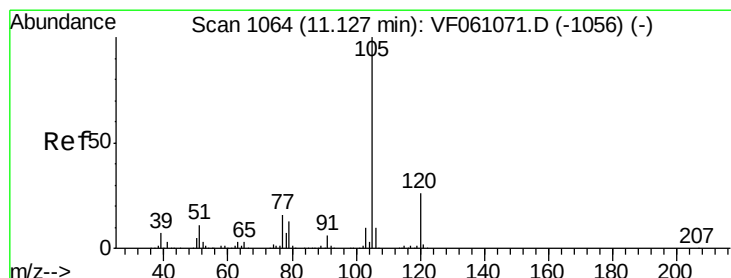
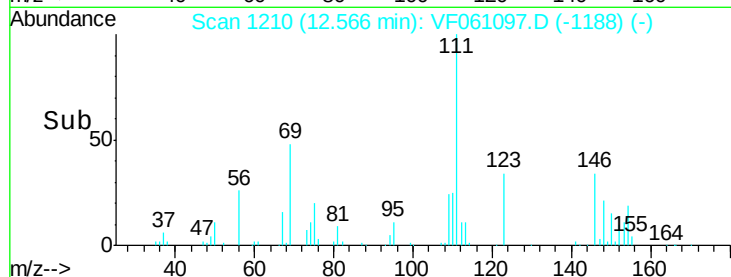
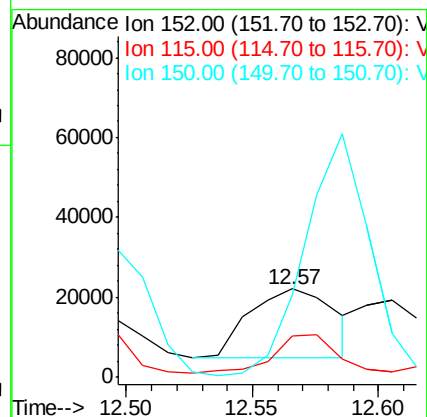
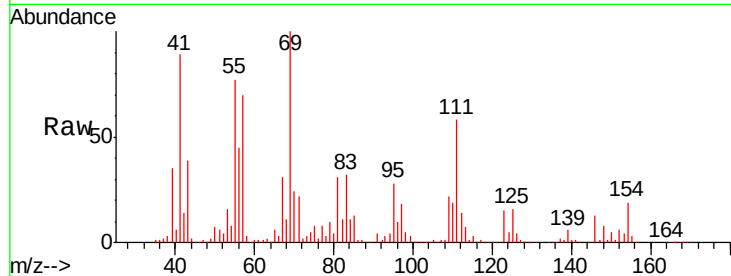
115 46.3 33.3 99.9

150 93.6 0.0 328.2

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#73

Isopropylbenzene

Concen: 100.019 ug/l

RT: 11.16 min Scan# 1067

Delta R.T. 0.03 min

Lab File: VF061097.D

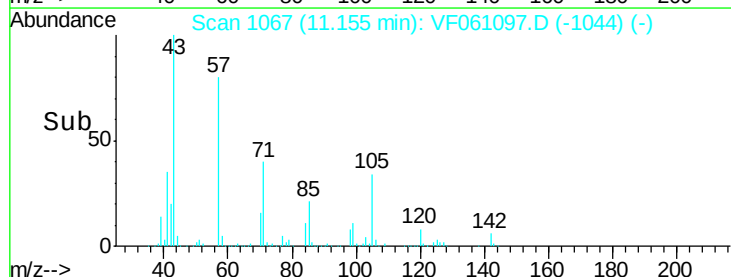
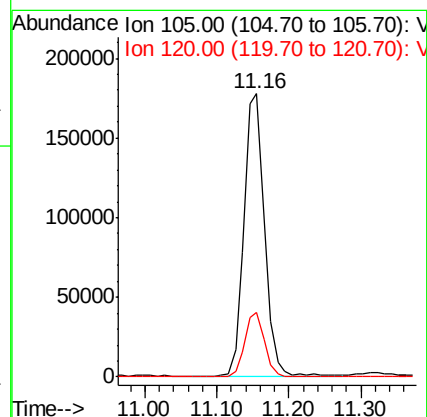
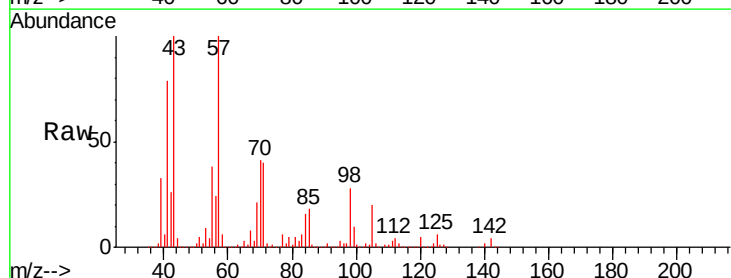
Acq: 19 Dec 2018 21:00

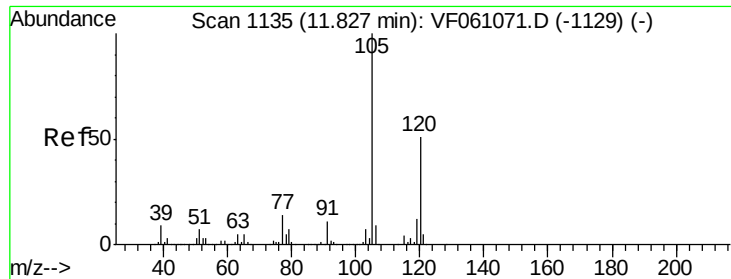
Tgt Ion:105 Resp: 353197

Ion Ratio Lower Upper

105 100

120 23.0 13.0 39.0





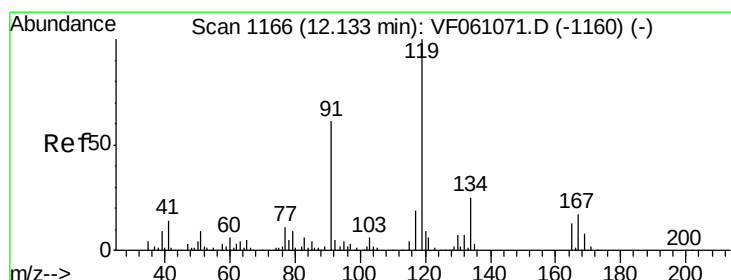
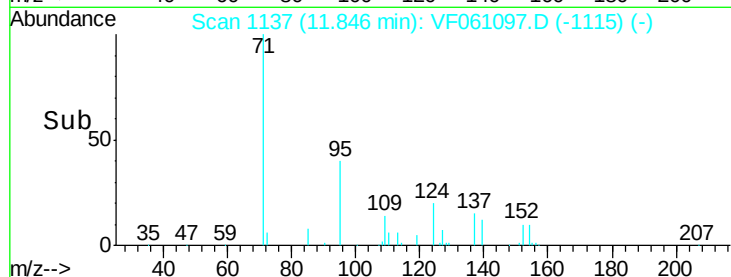
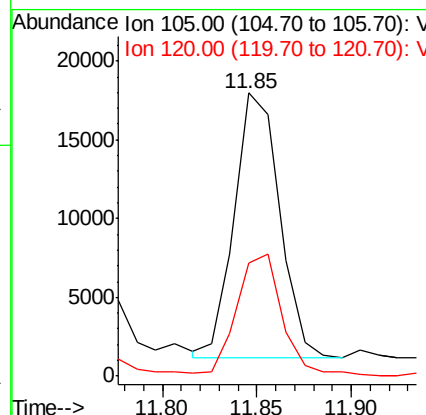
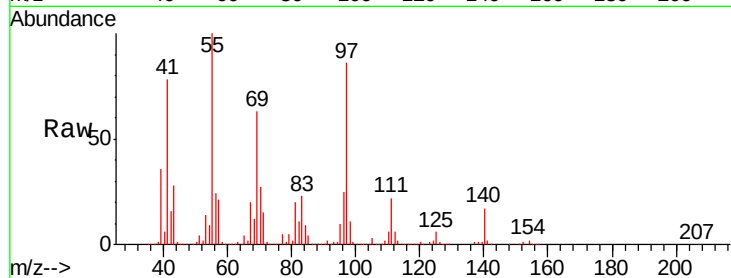
#80
 1,3,5-Trimethylbenzene
 Concen: 9.510 ug/l
 RT: 11.85 min Scan# 1137
 Delta R.T. 0.02 min
 Lab File: VF061097.D
 Acq: 19 Dec 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 MIHPT-20(17-20)

Tgt Ion:105 Resp: 27652
 Ion Ratio Lower Upper
 105 100
 120 40.1 25.4 76.4

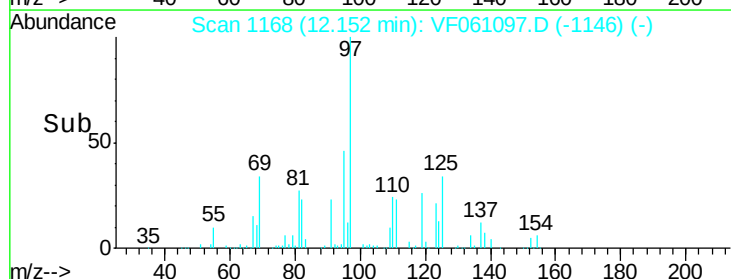
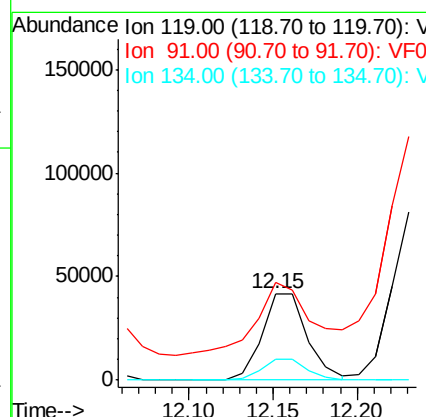
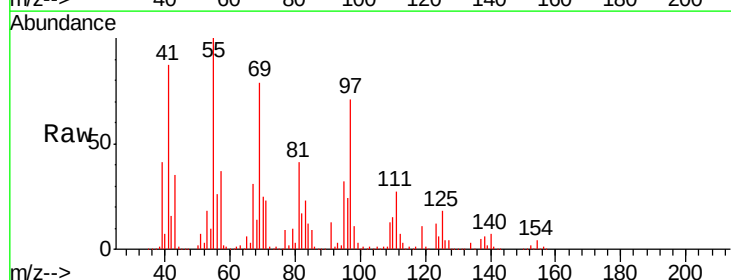
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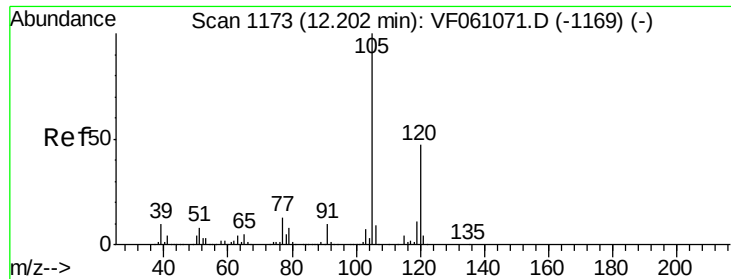
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#83
 tert-Butylbenzene
 Concen: 25.553 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. 0.02 min
 Lab File: VF061097.D
 Acq: 19 Dec 2018 21:00

Tgt Ion:119 Resp: 76459
 Ion Ratio Lower Upper
 119 100
 91 113.4 30.5 91.5#
 134 24.5 12.4 37.4





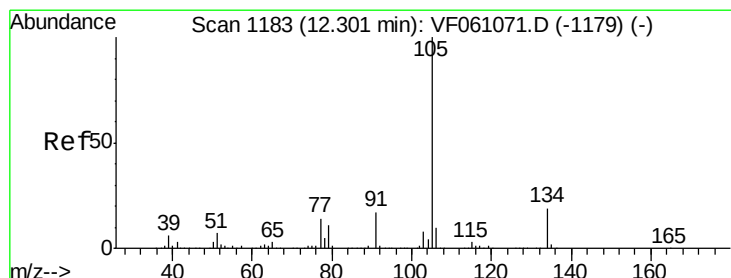
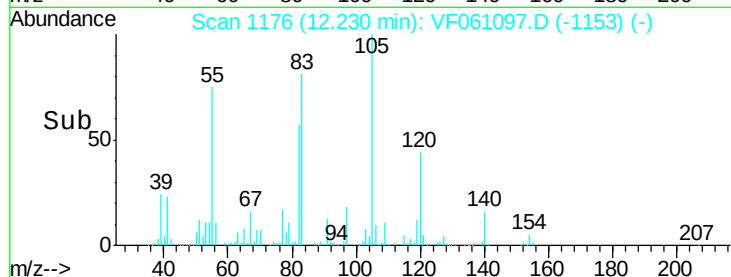
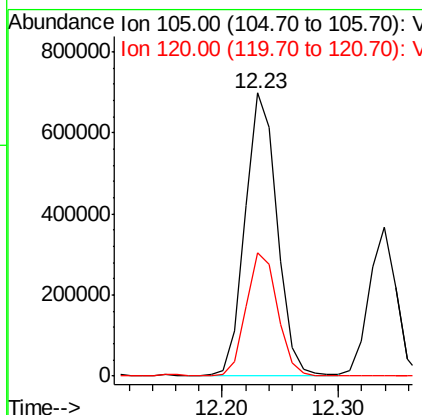
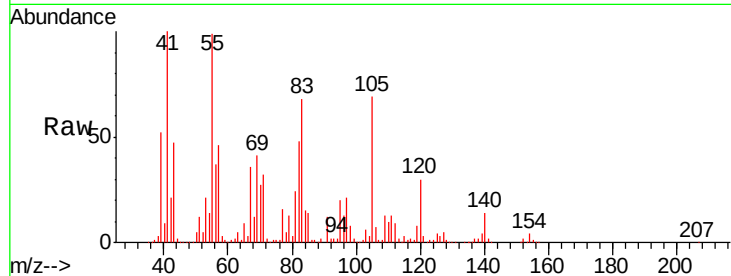
#84
1,2,4-Trimethylbenzene
Concen: 452.895 ug/l
RT: 12.23 min Scan# 1176
Delta R.T. 0.03 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
MIHPT-20(17-20)

Tgt Ion:105 Resp: 1313236
Ion Ratio Lower Upper
105 100
120 43.5 23.6 71.0

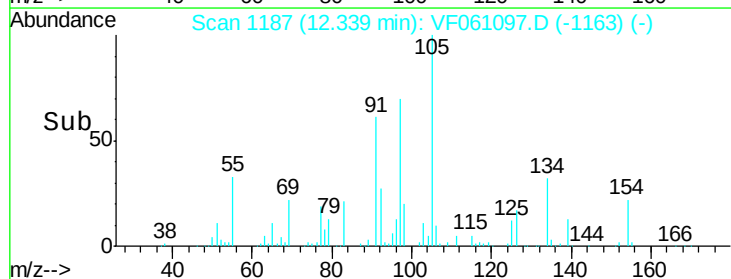
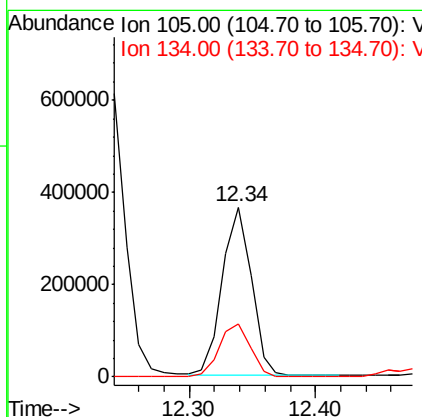
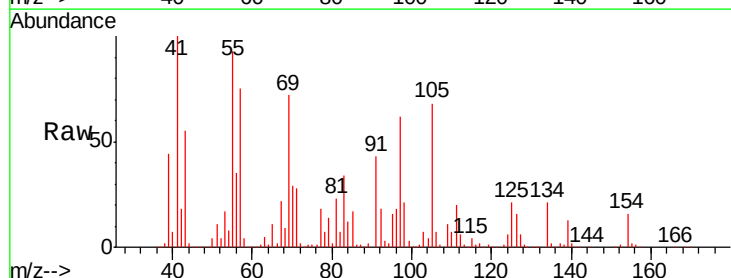
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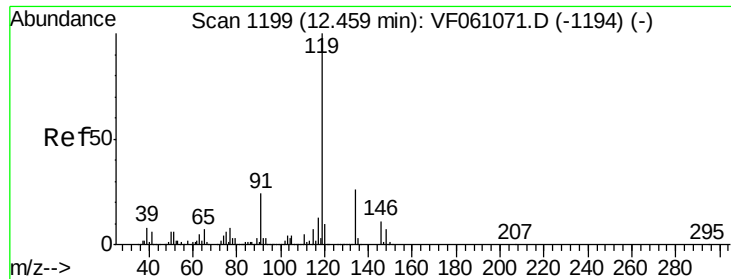
MMDadoda
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#85
sec-Butylbenzene
Concen: 150.729 ug/l
RT: 12.34 min Scan# 1187
Delta R.T. 0.04 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Tgt Ion:105 Resp: 588563
Ion Ratio Lower Upper
105 100
134 31.5 9.4 28.2#





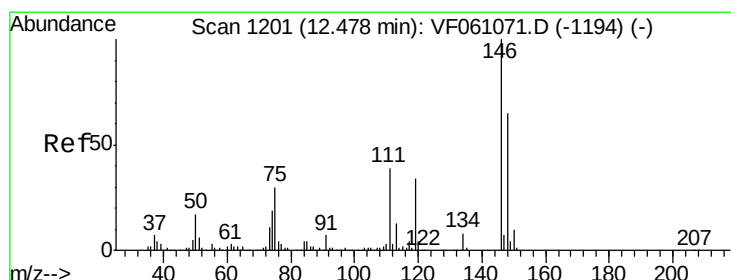
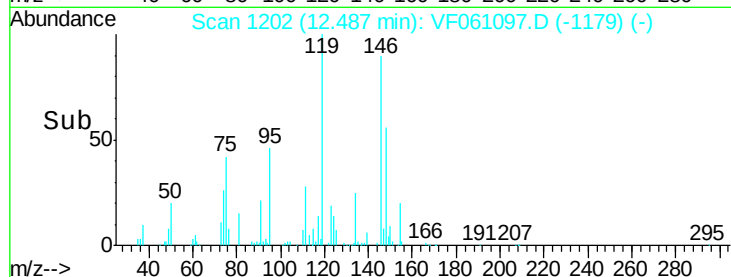
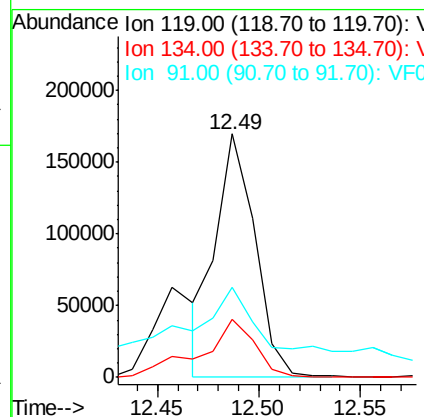
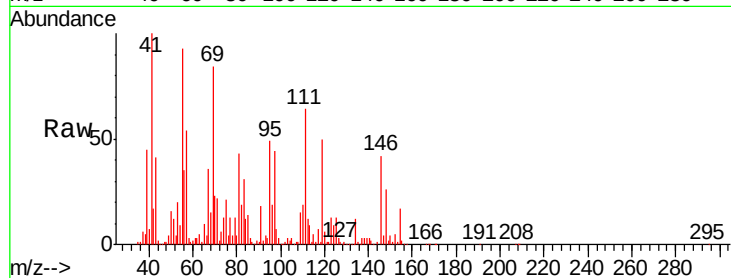
#86
p-Isopropyltoluene
Concen: 71.434 ug/l m
RT: 12.49 min Scan# 1202
Delta R.T. 0.03 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
MIHPT-20(17-20)

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	231529		
134	23.9	12.8	38.4	
91	36.8	12.2	36.6#	

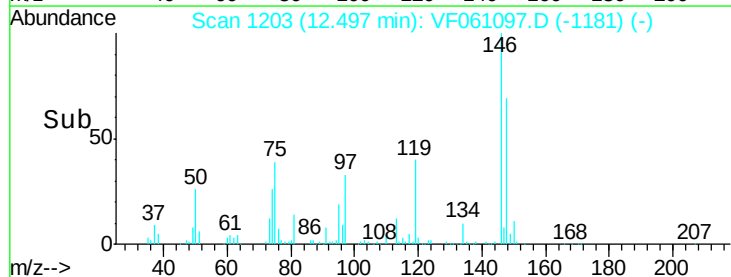
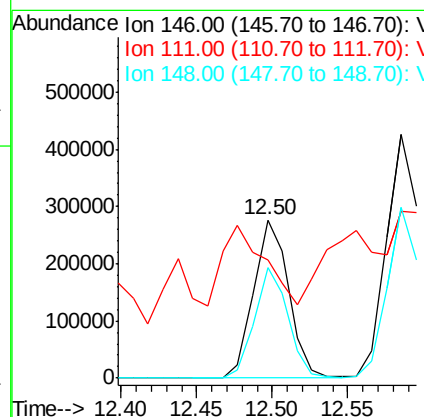
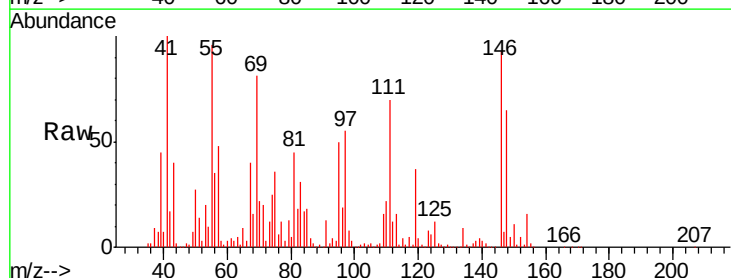
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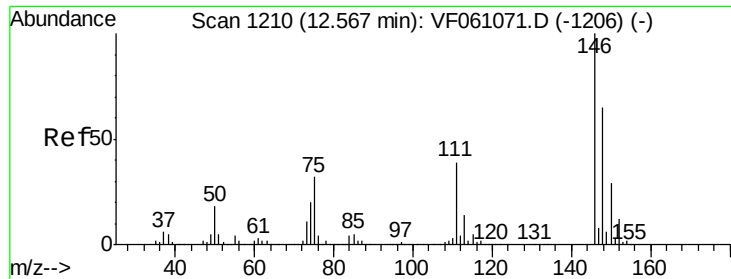
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 399.367 ug/l
RT: 12.50 min Scan# 1203
Delta R.T. 0.02 min
Lab File: VF061097.D
Acq: 19 Dec 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	448813		
111	74.7	19.3	57.9#	
148	69.5	32.4	97.2	





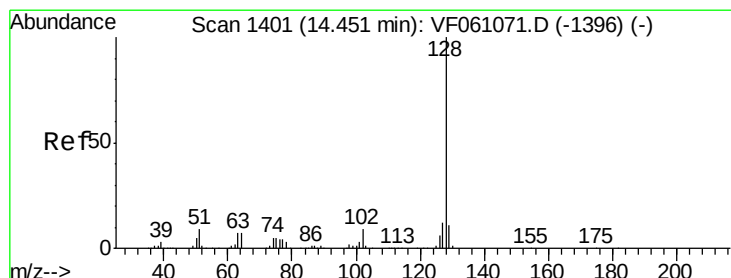
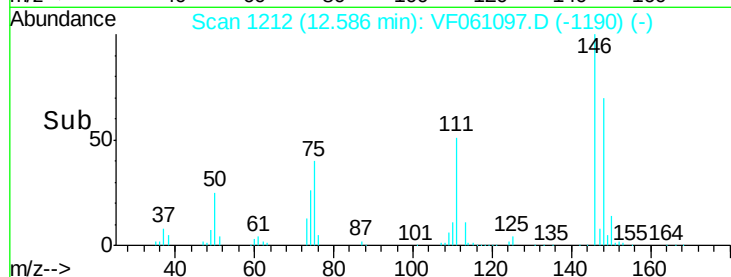
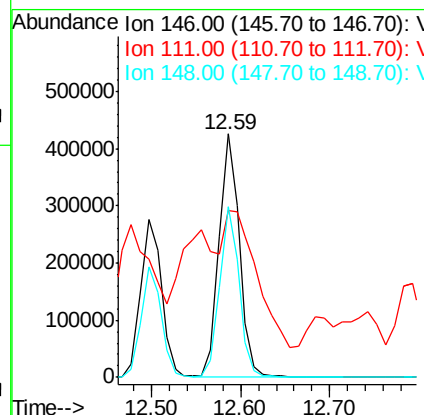
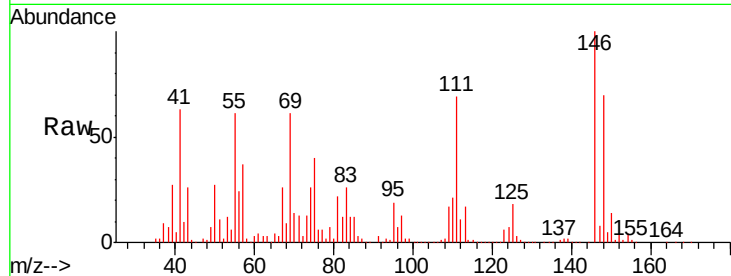
#88
 1,4-Dichlorobenzene
 Concen: 487.698 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. 0.02 min
 Lab File: VF061097.D
 Acq: 19 Dec 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 MIHPT-20(17-20)

Tgt Ion	Ratio	Lower	Upper
146	100		
111	68.7	19.4	58.4#
148	69.9	32.4	97.0

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#95
 Naphthalene
 Concen: 332.334 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: VF061097.D
 Acq: 19 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.1	9.4	14.2#
129	12.2	8.8	13.2

