

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061109.D
 Acq On : 20 Dec 2018 15:45
 Operator : VA/AP
 Sample : J6377-10
 Misc : 5.33g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0612-01

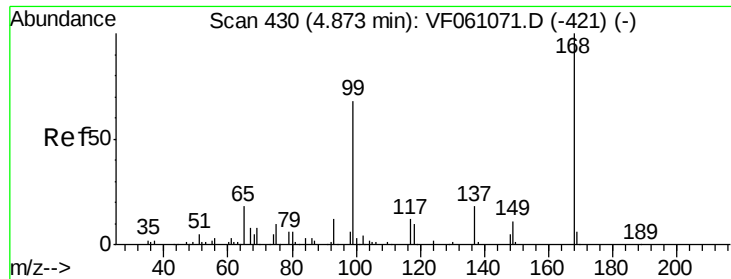
Manual Integrations
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Quant Time: Dec 21 07:52:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	7140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	8501	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	5011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	1093	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	1814	19.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.50%	
35) Dibromofluoromethane	4.13	113	2466	36.21	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.42%	
50) Toluene-d8	7.56	98	6349	32.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.80%	
62) 4-Bromofluorobenzene	11.42	95	1446	16.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	32.50%	
Target Compounds						
					Qvalue	
31) Cyclohexane	3.68	56	7909m	58.962	ug/l	
39) Methylcyclohexane	5.46	83	34598	375.831	ug/l	90
52) Toluene	7.63	92	849	5.812	ug/l #	56
65) Chlorobenzene	9.80	112	1609	15.543	ug/l #	79
67) Ethyl Benzene	9.91	91	2452	13.001	ug/l #	83
68) m/p-Xylenes	10.14	106	16443	247.744	ug/l	98
69) o-Xylene	10.72	106	1253	17.022	ug/l	93
73) Isopropylbenzene	11.13	105	1965	20.862	ug/l #	60
78) n-propylbenzene	11.60	91	4881	43.892	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	5373	69.277	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	13077	169.080	ug/l	89
85) sec-Butylbenzene	12.31	105	1016	9.755	ug/l #	34
86) p-Isopropyltoluene	12.46	119	999m	11.556	ug/l	
87) 1,3-Dichlorobenzene	12.48	146	2368	74.163	ug/l	81
88) 1,4-Dichlorobenzene	12.57	146	10969	294.617	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061109.D

Acq: 20 Dec 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

P001-SD003-0612-01

Tot Ion:168 Resp: 7140

Ion Ratio Lower Upper

168 100

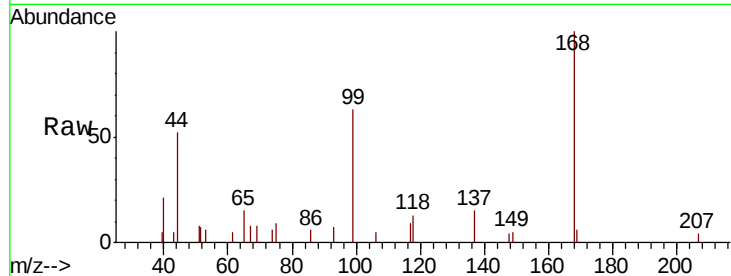
99 62.9 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

2500

2000

1500

1000

500

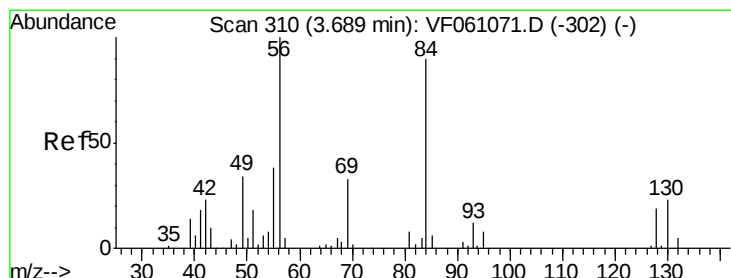
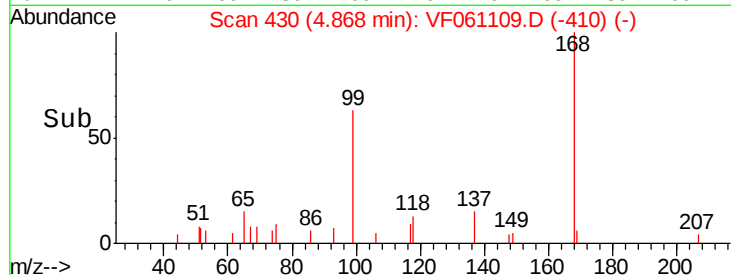
0

4.80

4.90

5.00

Time-->



#31

Cyclohexane

Concen: 58.962 ug/l m

RT: 3.68 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061109.D

Acq: 20 Dec 2018 15:45

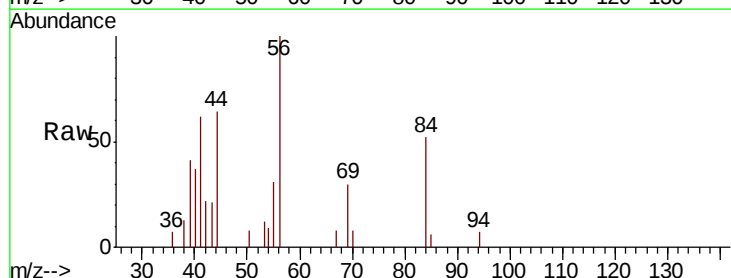
Tgt Ion: 56 Resp: 7909

Ion Ratio Lower Upper

56 100

69 29.7 26.0 39.0

84 51.5 71.4 107.2#



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

2000

1500

1000

500

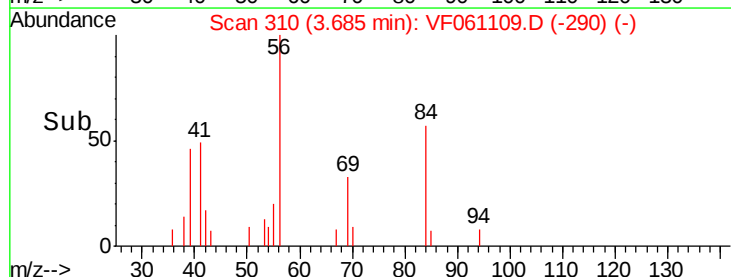
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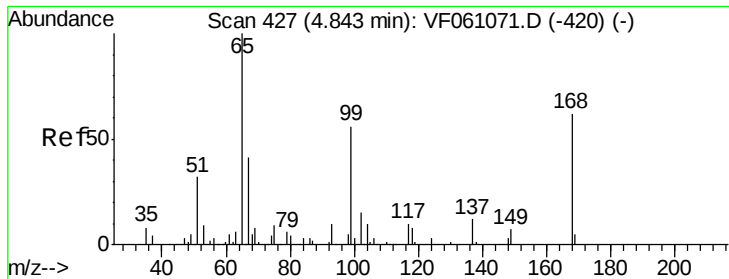
3.60

3.70

3.80

Time-->





#33

1,2-Dichloroethane-d4

Concen: 19.753 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061109.D

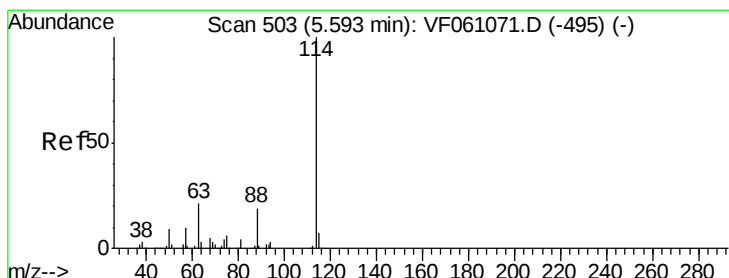
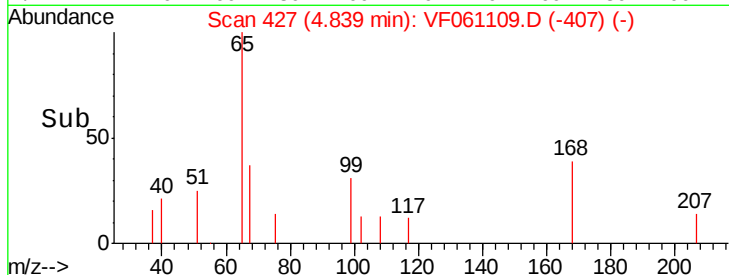
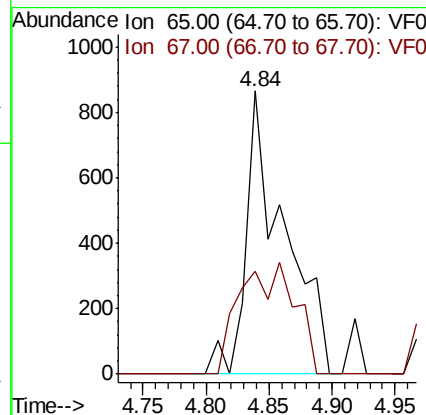
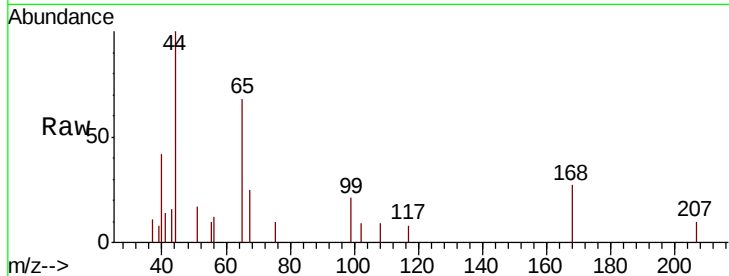
Acq: 20 Dec 2018 15:45

Tot Ion	Ratio	Resp	Lower	Upper
65	100	1814		
67	36.5	0.0	94.6	

Instrument :
MSVOA_F
ClientSampleId :
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

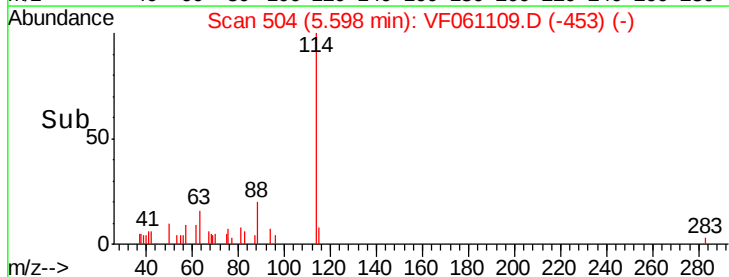
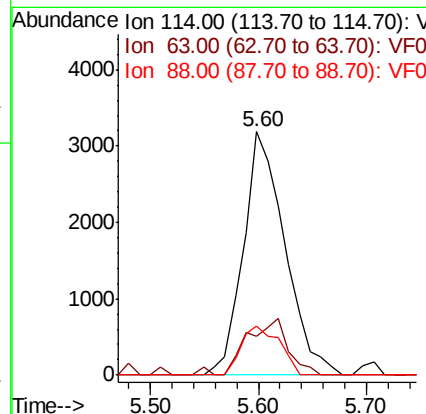
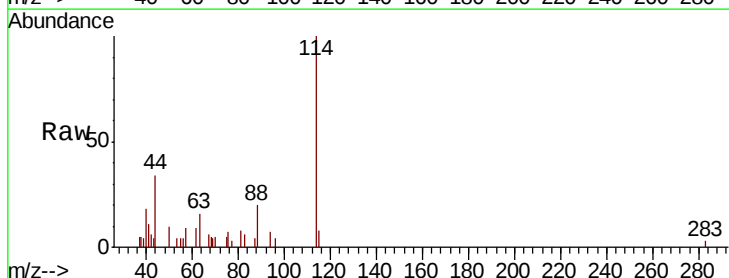
RT: 5.60 min Scan# 504

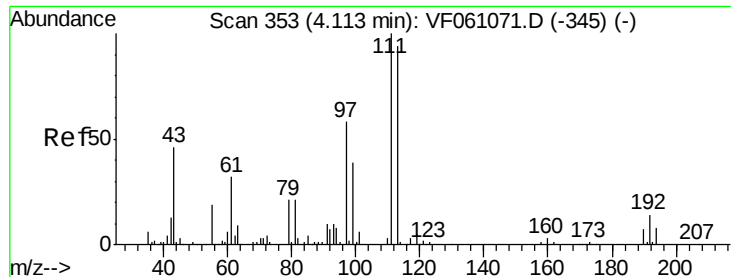
Delta R.T. 0.01 min

Lab File: VF061109.D

Acq: 20 Dec 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	8501		
63	15.7	0.0	41.6	
88	19.9	0.0	38.0	





#35

Dibromofluoromethane

Concen: 36.213 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061109.D

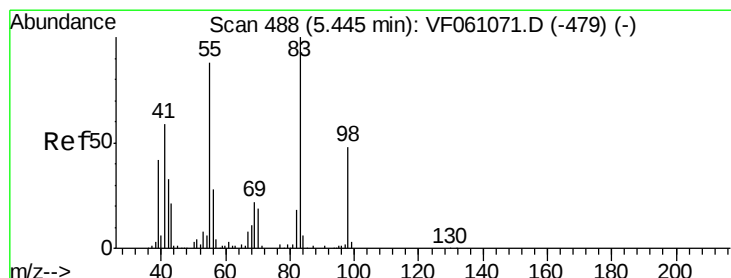
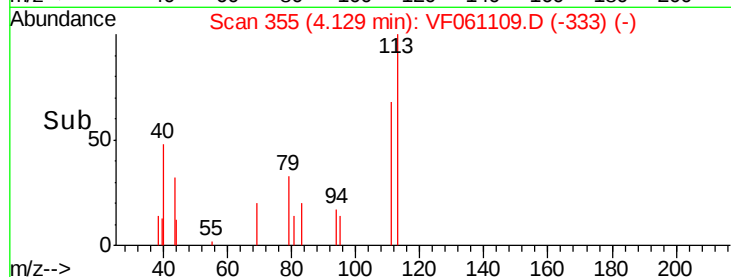
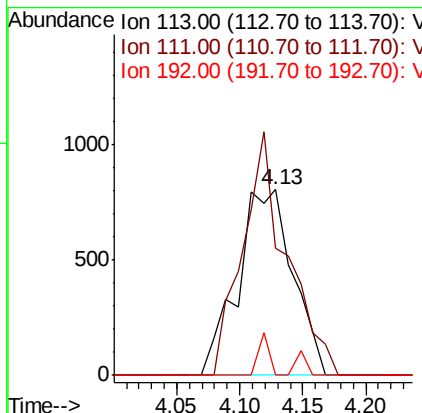
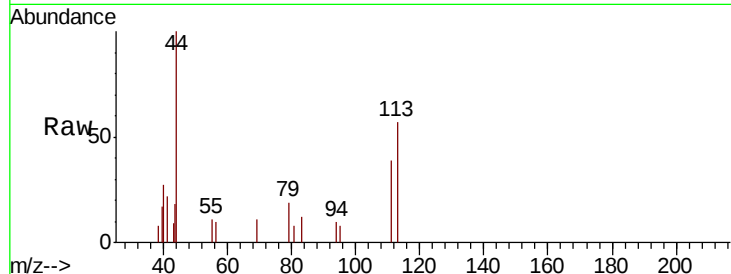
Acq: 20 Dec 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
P001-SD003-0612-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	68.3	85.2	127.8#
192	0.0	12.8	19.2#

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#39

Methylcyclohexane

Concen: 375.831 ug/l

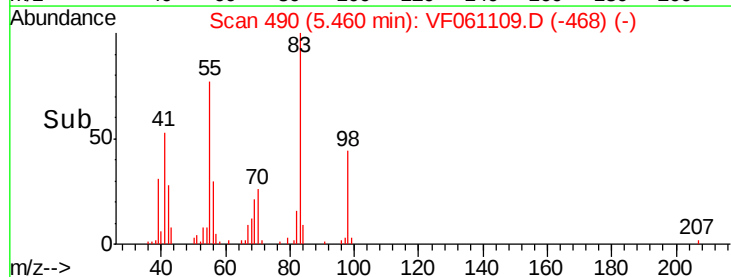
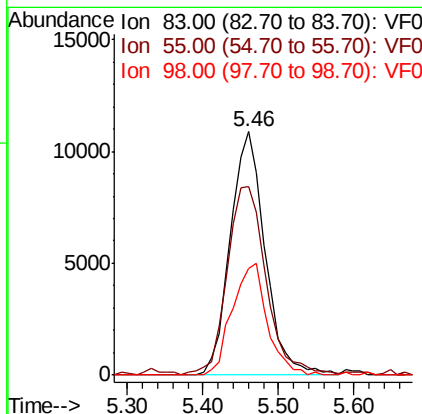
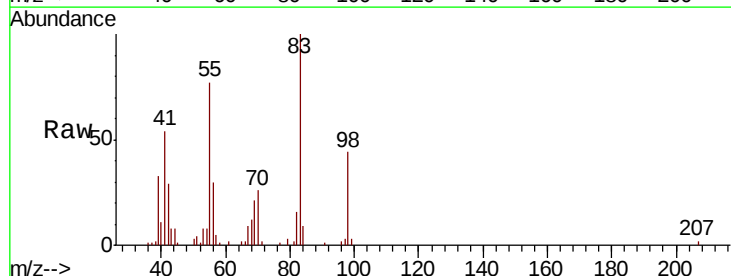
RT: 5.46 min Scan# 490

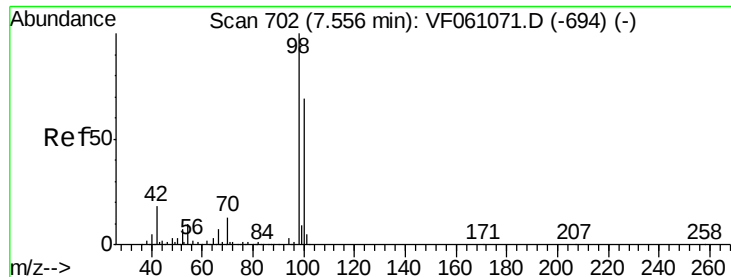
Delta R.T. 0.02 min

Lab File: VF061109.D

Acq: 20 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.4	70.6	105.8
98	43.9	38.5	57.7





#50

Toluene-d8

Concen: 32.900 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF061109.D

Acq: 20 Dec 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

P001-SD003-0612-01

Tot Ion: 98 Resp: 6349

Ion Ratio Lower Upper

98 100

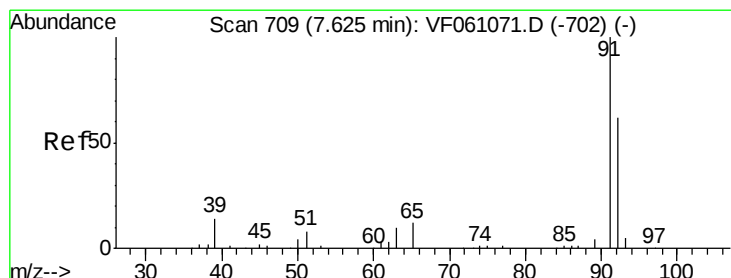
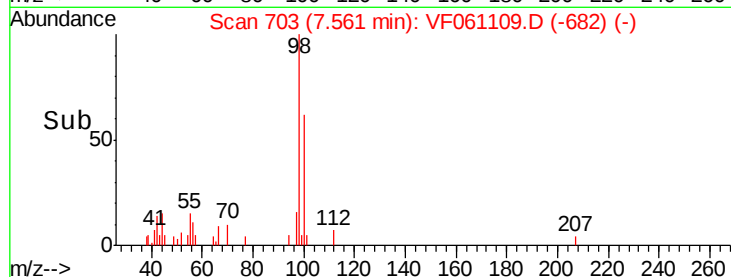
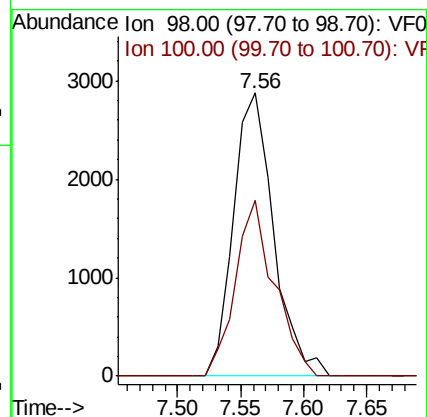
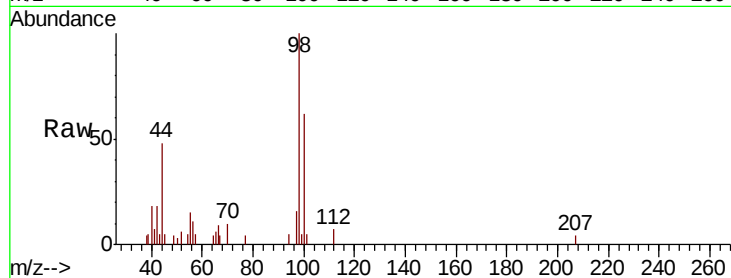
100 62.0 55.3 82.9

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#52

Toluene

Concen: 5.812 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061109.D

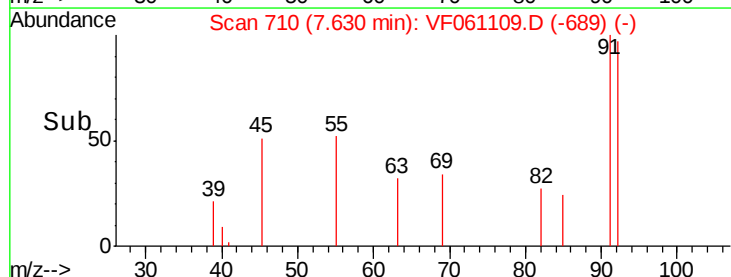
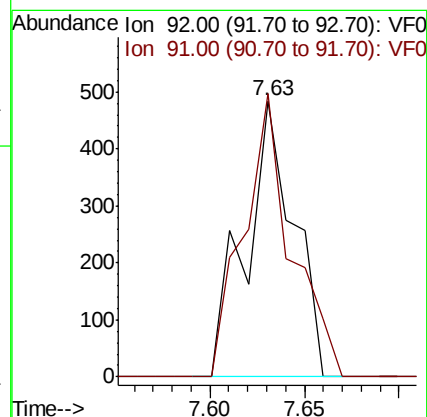
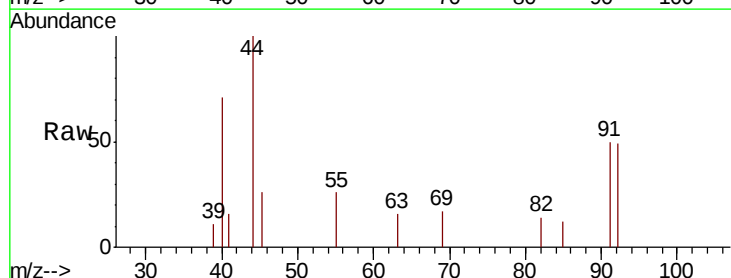
Acq: 20 Dec 2018 15:45

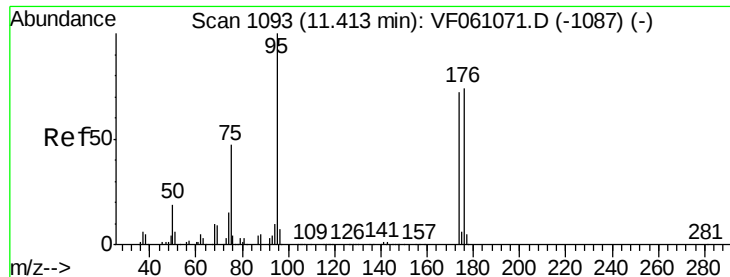
Tgt Ion: 92 Resp: 849

Ion Ratio Lower Upper

92 100

91 102.7 128.8 193.2#





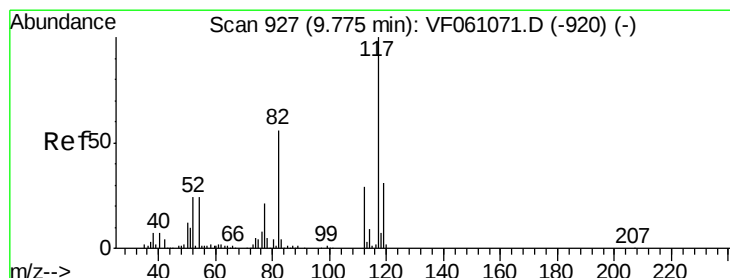
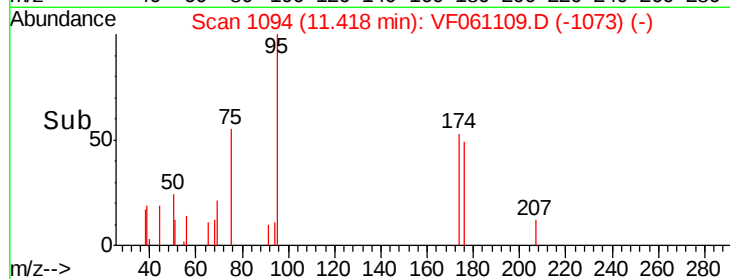
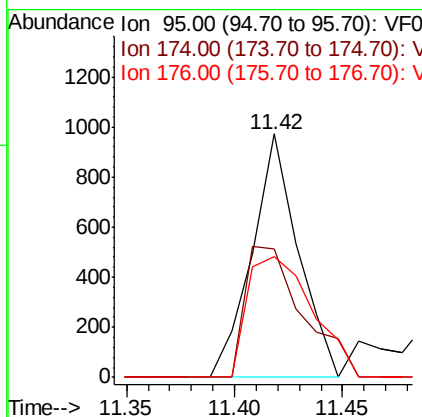
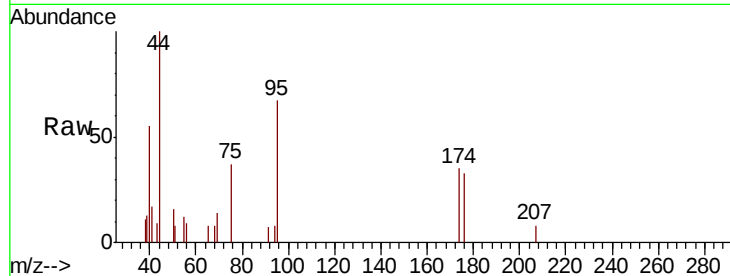
#62
4-Bromofluorobenzene
Concen: 16.253 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061109.D
Acq: 20 Dec 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
P001-SD003-0612-01

Tot Ion	Ratio	Lower	Upper
95	100		
174	52.6	0.0	143.8
176	49.4	0.0	147.6

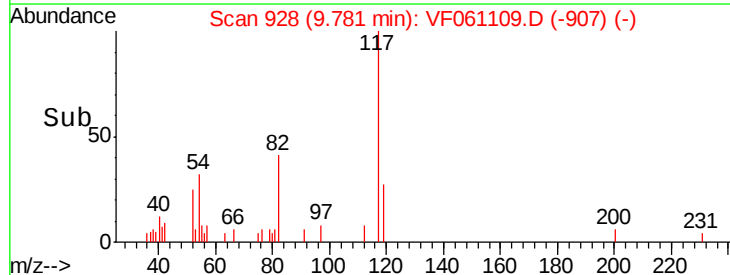
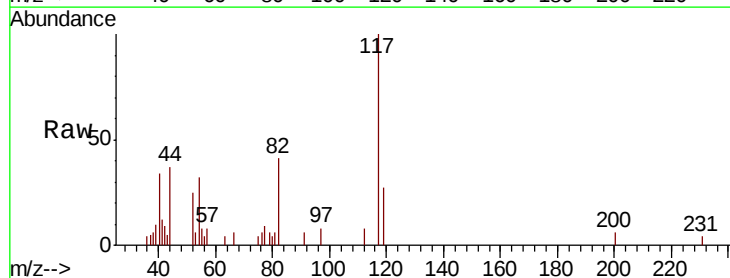
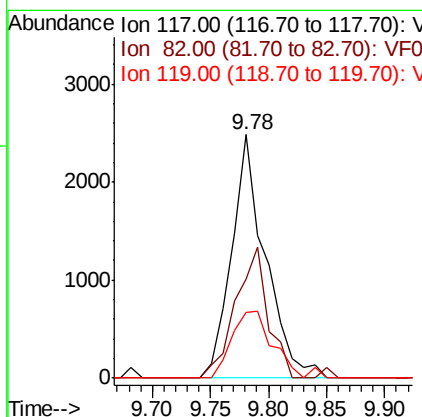
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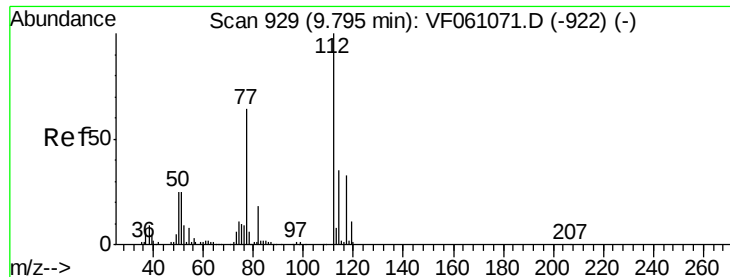
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061109.D
Acq: 20 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	40.7	45.0	67.4#
119	27.0	24.8	37.2





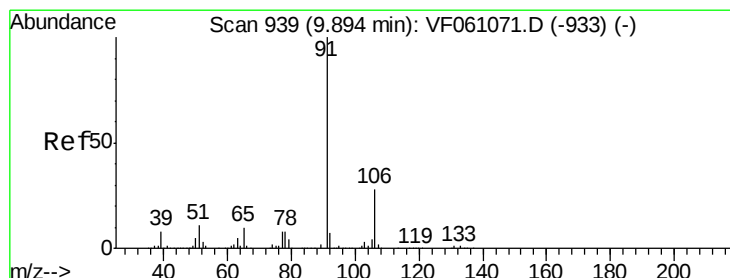
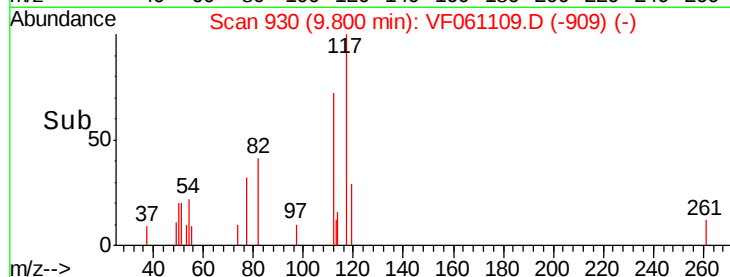
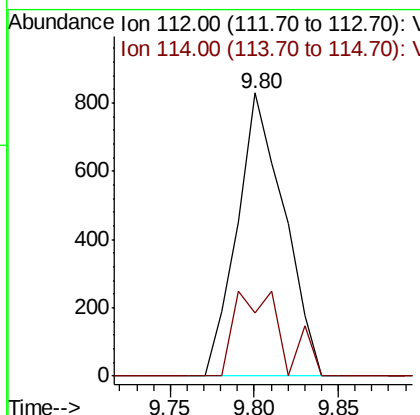
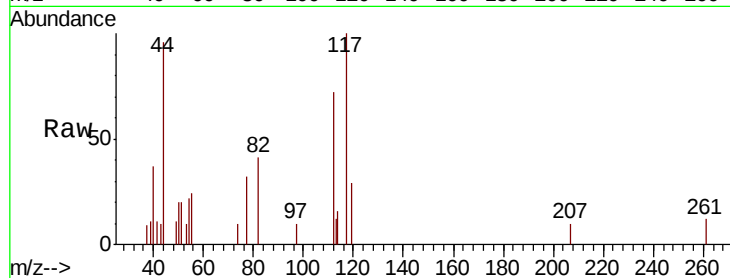
#65
Chlorobenzene
Concen: 15.543 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061109.D
Acq: 20 Dec 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
P001-SD003-0612-01

Tot Ion:112 Resp: 1609
Ion Ratio Lower Upper
112 100
114 22.4 27.8 41.6#

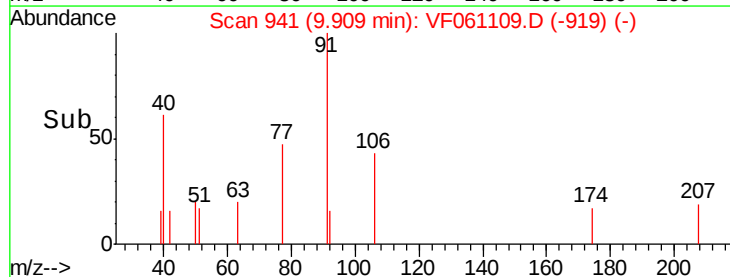
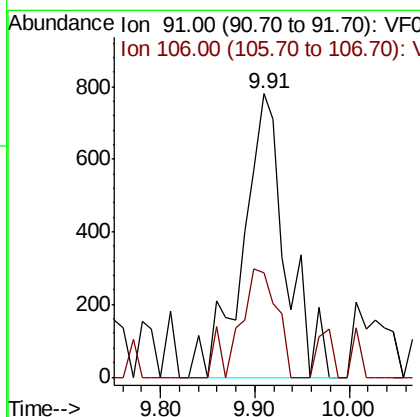
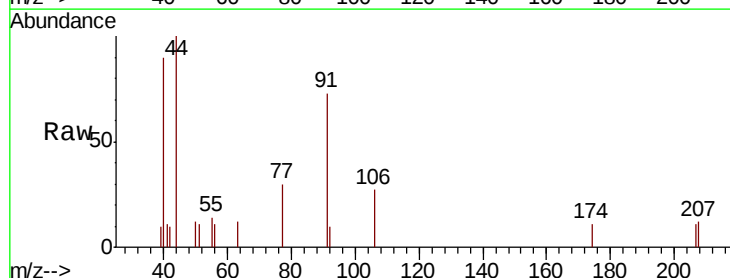
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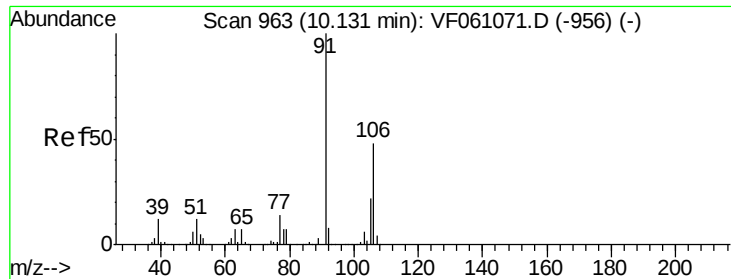
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#67
Ethyl Benzene
Concen: 13.001 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF061109.D
Acq: 20 Dec 2018 15:45

Tgt Ion: 91 Resp: 2452
Ion Ratio Lower Upper
91 100
106 36.8 22.5 33.7#





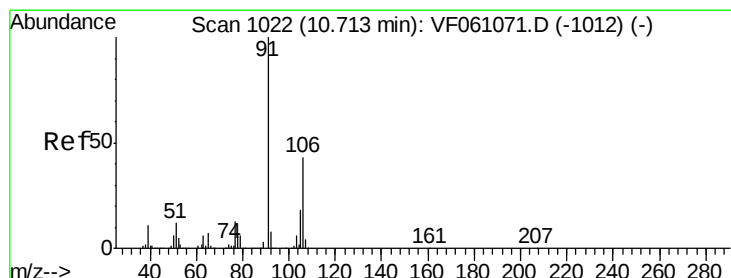
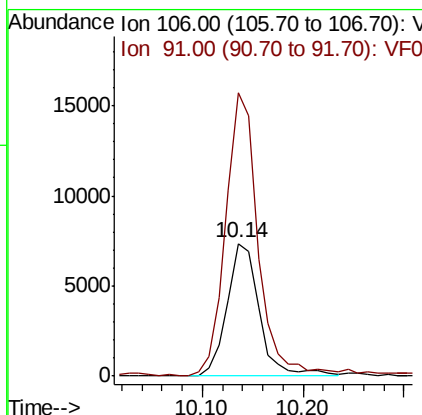
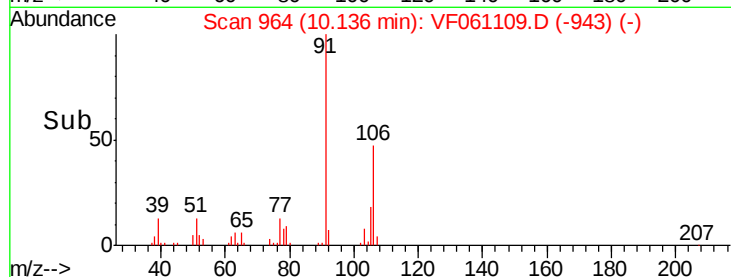
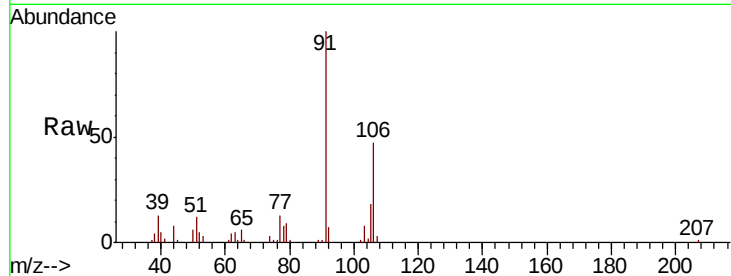
#68
m/p-Xvlenes
Concen: 247.744 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061109.D
Acq: 20 Dec 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
P001-SD003-0612-01

Tot Ion:106 Resp: 16443
Ion Ratio Lower Upper
106 100
91 213.2 168.2 252.2

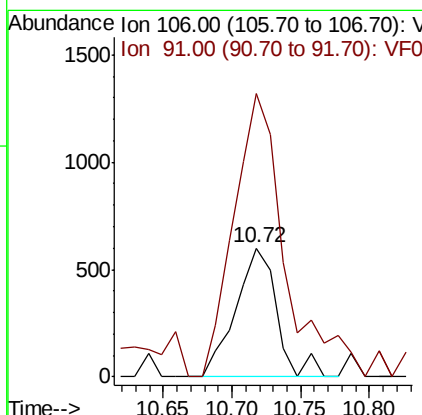
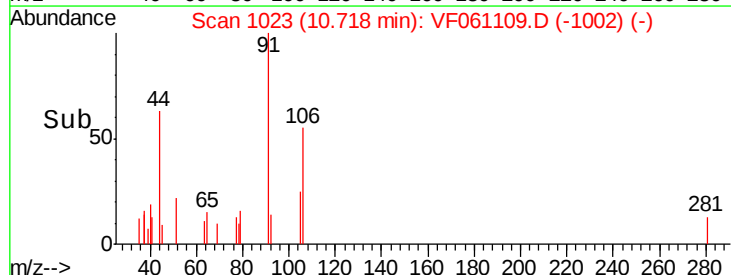
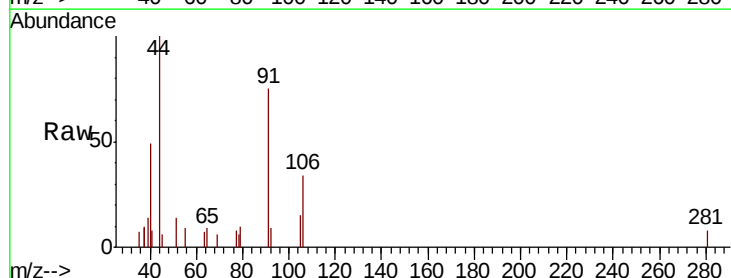
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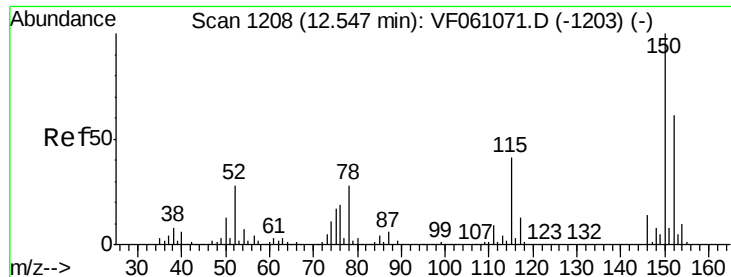
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#69
o-Xylene
Concen: 17.022 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061109.D
Acq: 20 Dec 2018 15:45

Tgt Ion:106 Resp: 1253
Ion Ratio Lower Upper
106 100
91 219.8 115.9 347.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061109.D

Acq: 20 Dec 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

P001-SD003-0612-01

Tot Ion:152 Resp: 1093

Ion Ratio Lower Upper

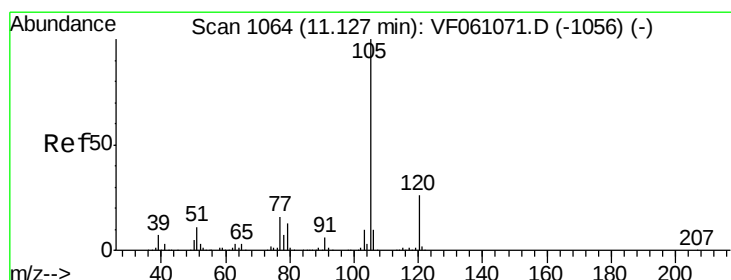
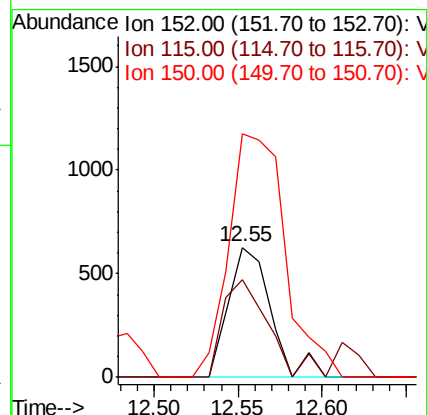
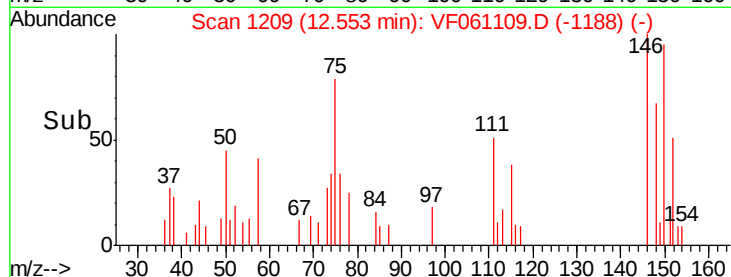
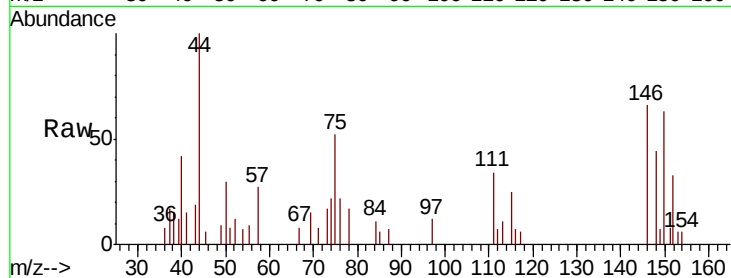
152 100

115 75.6 33.3 99.9

150 187.7 0.0 328.2

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#73

Isopropylbenzene

Concen: 20.862 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF061109.D

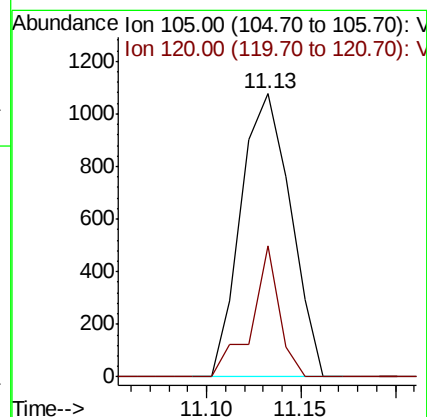
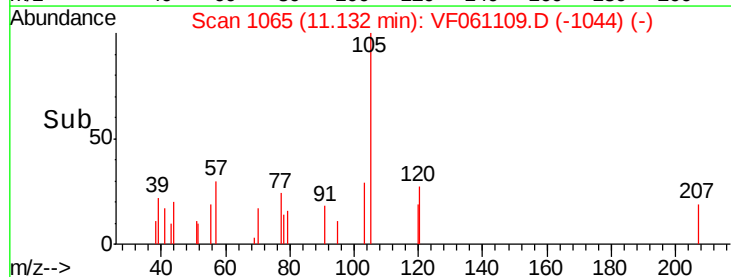
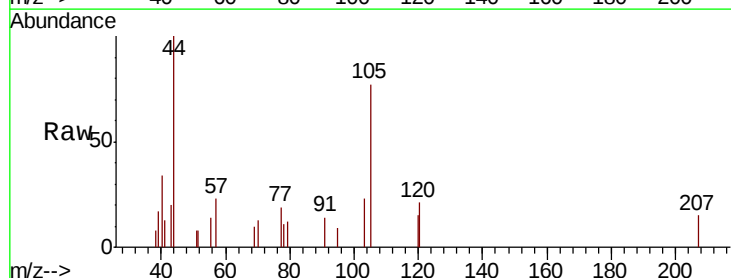
Acq: 20 Dec 2018 15:45

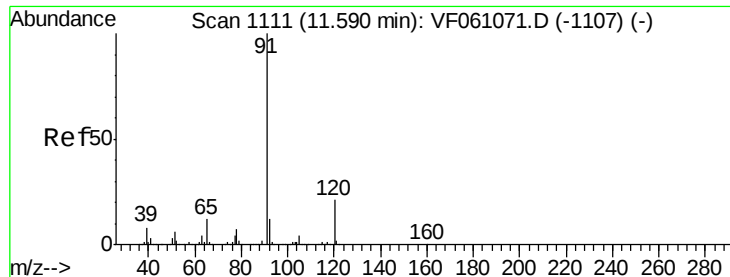
Tgt Ion:105 Resp: 1965

Ion Ratio Lower Upper

105 100

120 46.4 13.0 39.0#





#78

n-propylbenzene

Concen: 43.892 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061109.D

Acq: 20 Dec 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

P001-SD003-0612-01

Tot Ion: 91 Resp: 4881

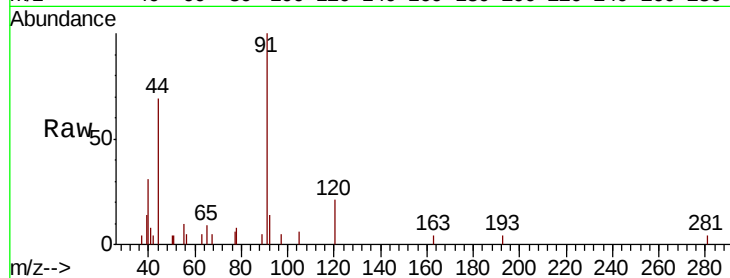
Ion Ratio Lower Upper

91 100

120 21.0 10.4 31.2

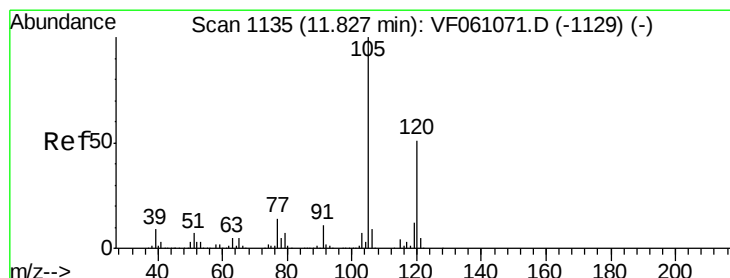
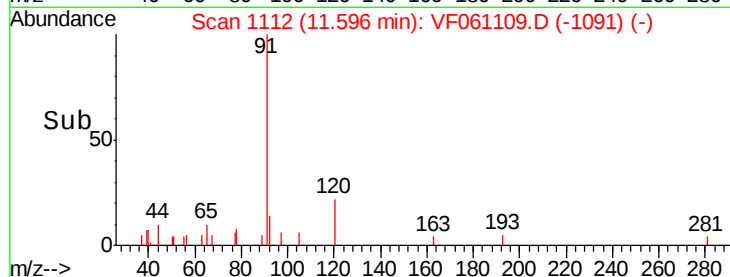
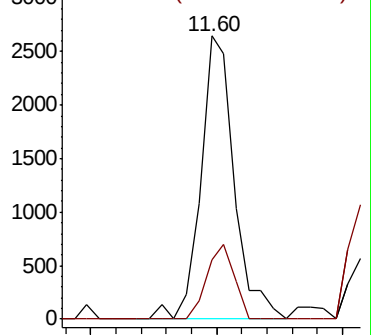
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 69.277 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF061109.D

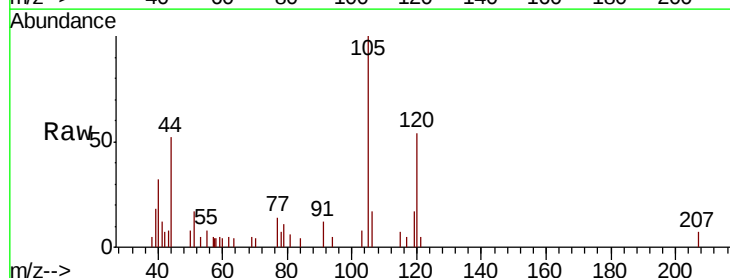
Acq: 20 Dec 2018 15:45

Tgt Ion: 105 Resp: 5373

Ion Ratio Lower Upper

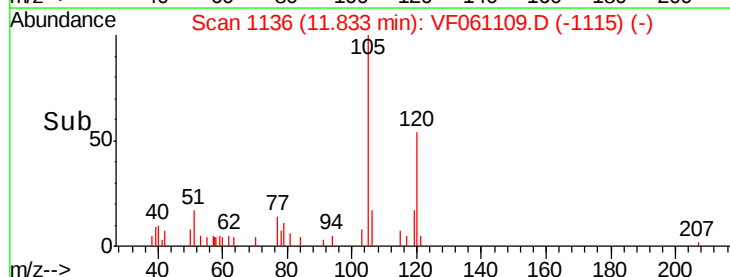
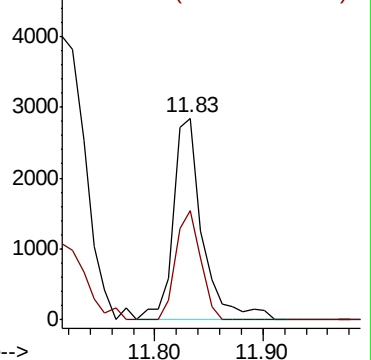
105 100

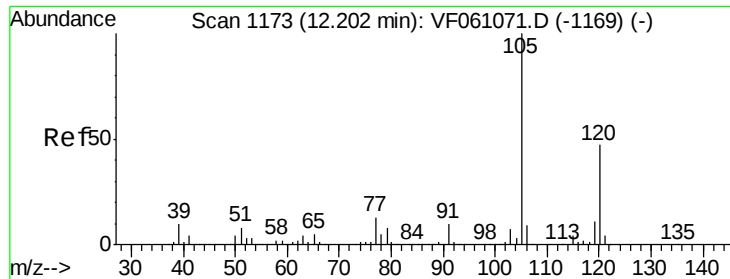
120 53.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





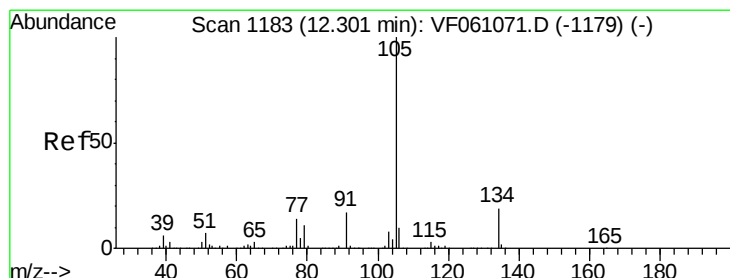
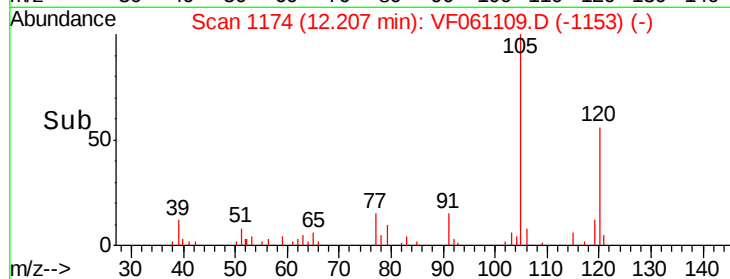
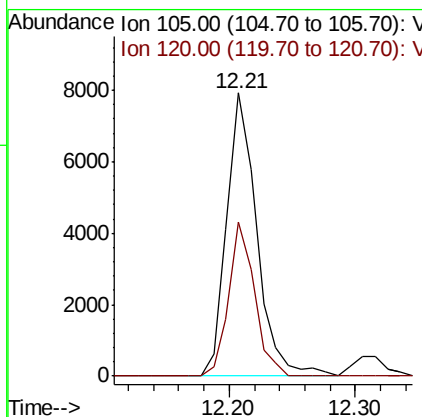
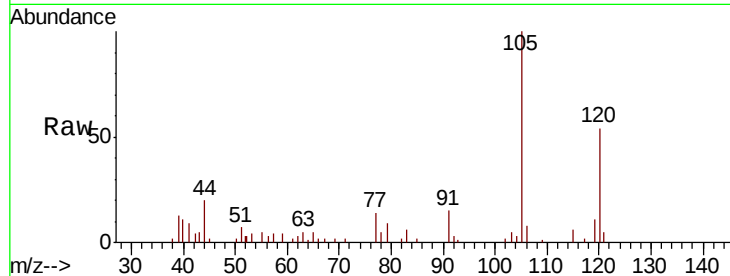
#84
 1,2,4-Trimethylbenzene
 Concen: 169.080 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061109.D
 Acq: 20 Dec 2018 15:45

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0612-01

Tot Ion:105 Resp: 13077
 Ion Ratio Lower Upper
 105 100
 120 54.5 23.6 71.0

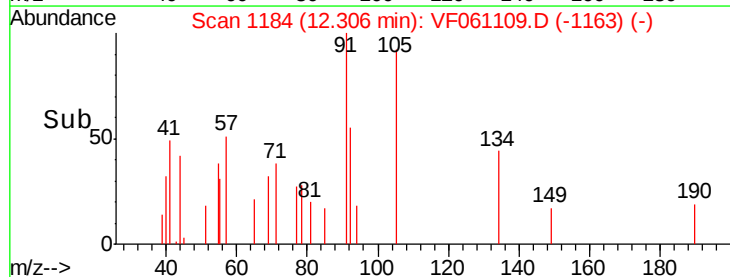
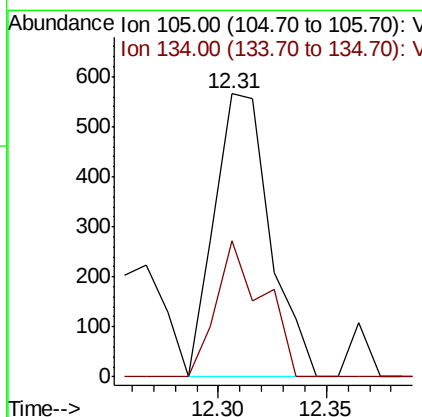
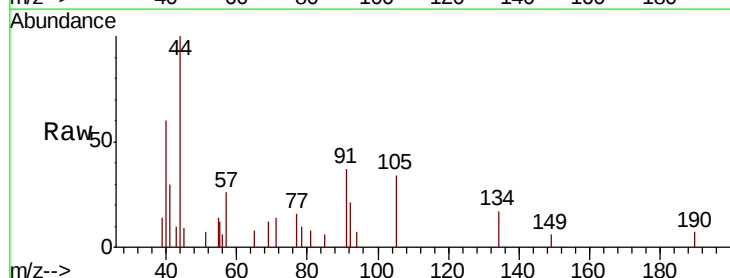
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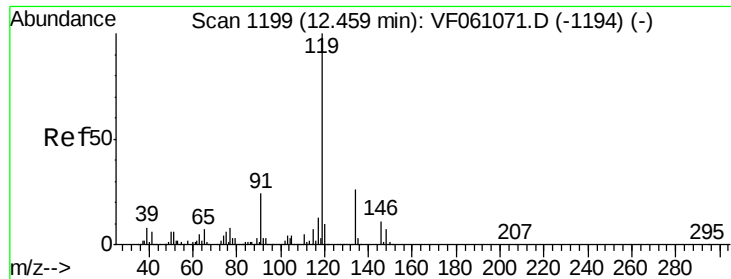
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#85
 sec-Butylbenzene
 Concen: 9.755 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061109.D
 Acq: 20 Dec 2018 15:45

Tgt Ion:105 Resp: 1016
 Ion Ratio Lower Upper
 105 100
 134 48.2 9.4 28.2#





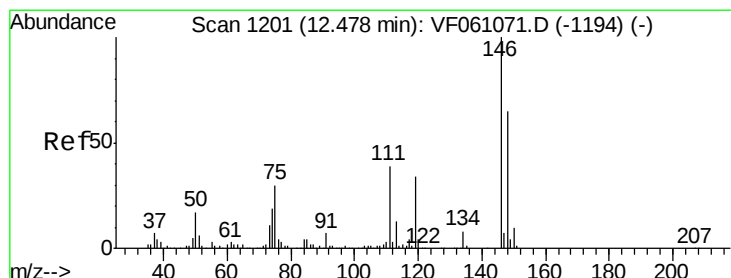
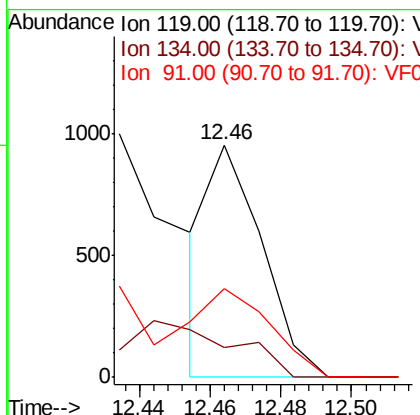
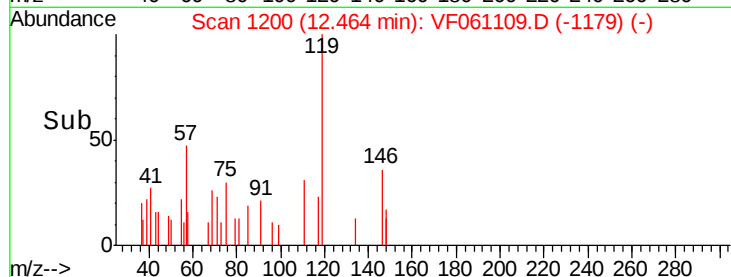
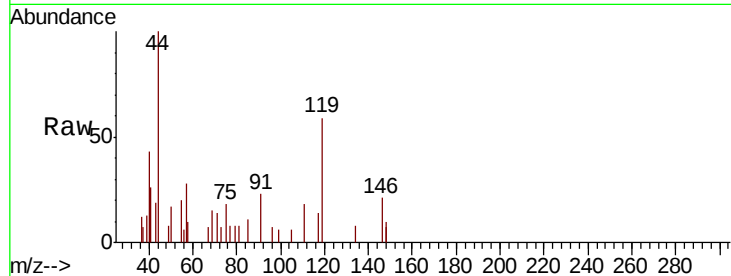
#86
 p-Isopropyltoluene
 Concen: 11.556 ug/l m
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF061109.D
 Acq: 20 Dec 2018 15:45

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	999		
134	13.1		12.8	38.4
91	38.4		12.2	36.6

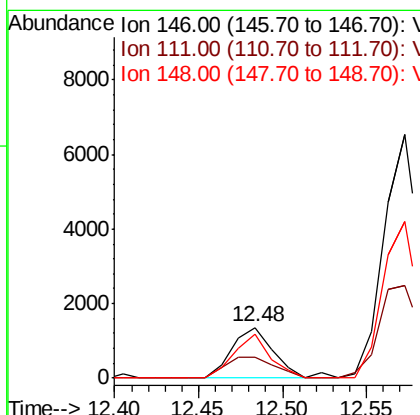
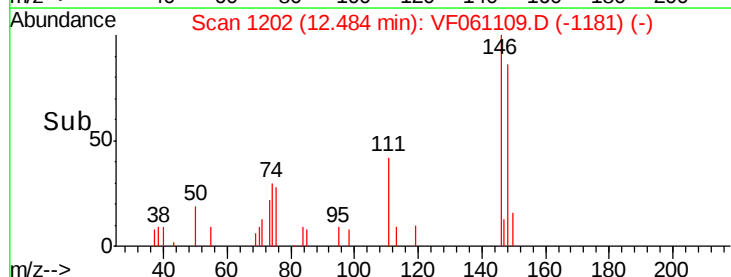
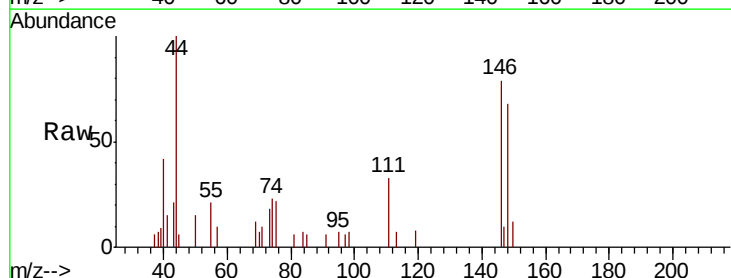
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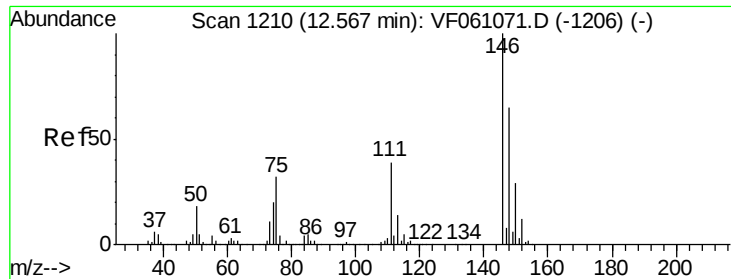
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#87
 1,3-Dichlorobenzene
 Concen: 74.163 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061109.D
 Acq: 20 Dec 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	2368		
111	41.9		19.3	57.9
148	86.4		32.4	97.2





#88
 1,4-Dichlorobenzene
 Concen: 294.617 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061109.D
 Acq: 20 Dec 2018 15:45

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0612-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.4
148	64.4	32.4	97.0

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