

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF122018\
 Data File : VF061106.D
 Acq On : 20 Dec 2018 14:19
 Operator : VA/AP
 Sample : J6377-04
 Misc : 4.60g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD014-0612-01

Manual Integrations
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Quant Time: Jan 03 11:31:27 2019
 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	169739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	255934	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	162638	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	44360m	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	89747	41.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.22%	
35) Dibromofluoromethane	4.12	113	95416	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	7.56	98	216371	37.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.48%	
62) 4-Bromofluorobenzene	11.42	95	68792	25.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.36%	
Target Compounds						
						Qvalue
31) Cyclohexane	3.77	56	2431222m	762.415	ug/l	
39) Methylcyclohexane	5.47	83	3127145m	1128.318	ug/l	
40) Benzene	4.64	78	106377	16.012	ug/l	97
52) Toluene	7.63	92	560147	127.373	ug/l	97
65) Chlorobenzene	9.82	112	3331053	991.421	ug/l	91
67) Ethyl Benzene	9.93	91	6476092	1058.000	ug/l #	85
68) m/p-Xylenes	10.29	106	23006347m	10680.027	ug/l	
69) o-Xylene	10.76	106	3811132	1595.214	ug/l	62
73) Isopropylbenzene	11.13	105	596422	156.020	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	1407470	447.138	ug/l	96
83) tert-Butylbenzene	12.14	119	28800	8.891	ug/l #	57
84) 1,2,4-Trimethylbenzene	12.22	105	3566086	1136.071	ug/l	88
85) sec-Butylbenzene	12.32	105	129806	30.708	ug/l #	78
86) p-Isopropyltoluene	12.47	119	184047m	52.455	ug/l	
87) 1,3-Dichlorobenzene	12.48	146	362209	296.198	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	2685706	1777.370	ug/l	81
89) n-Butylbenzene	12.85	91	263974	94.905	ug/l #	76
91) 1,2-Dichlorobenzene	12.95	146	33760m	22.948	ug/l	
95) Naphthalene	14.46	128	353733	185.673	ug/l	97

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

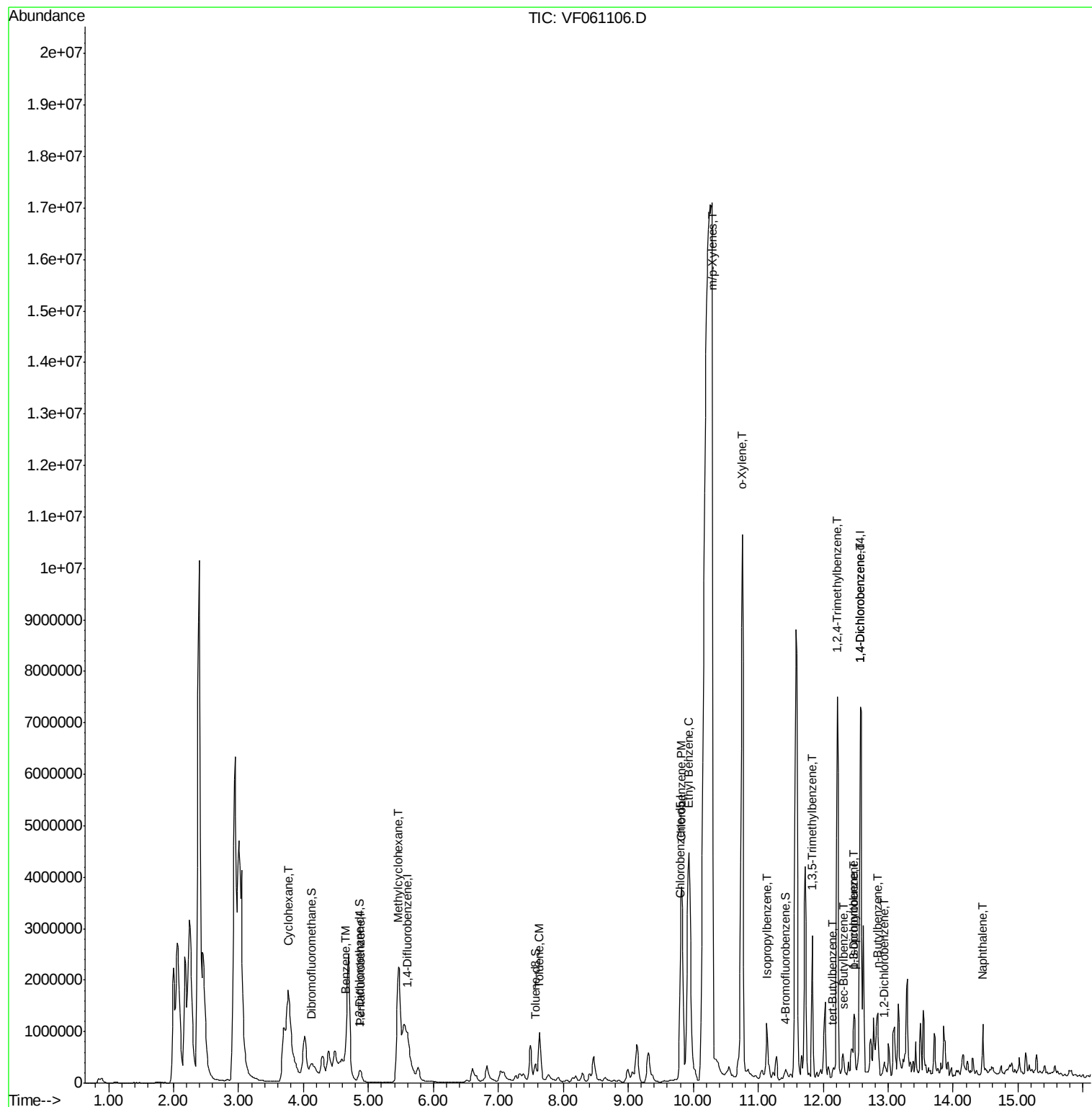
Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF122018\
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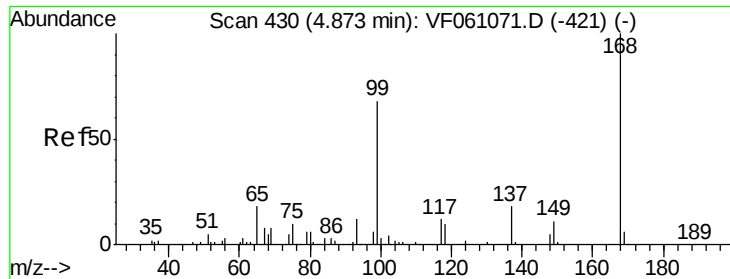
Instrument :
MSVOA_F
ClientSampleId :
P001-SD014-0612-01

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Quant Time: Jan 03 11:31:27 2019
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





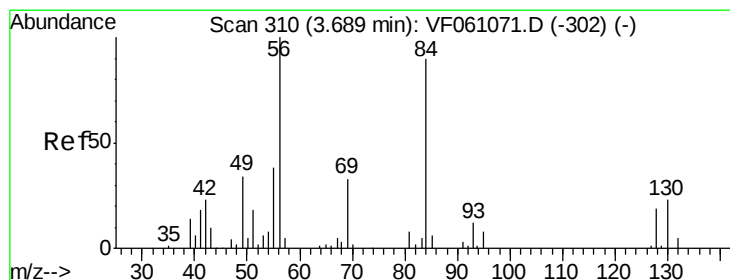
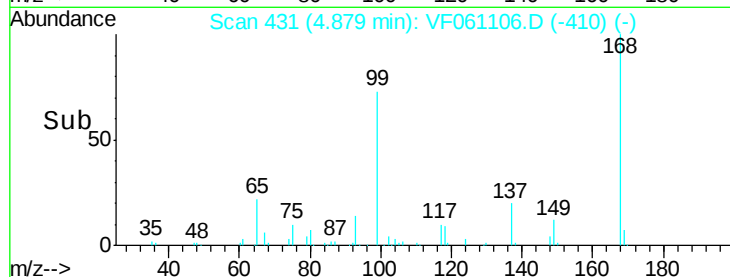
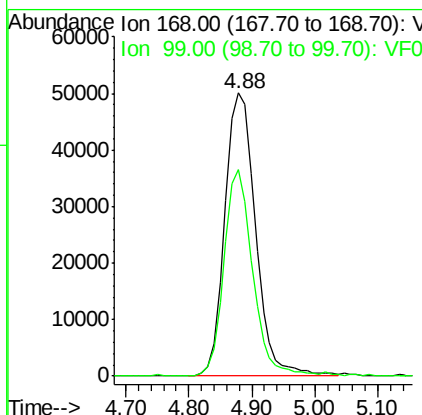
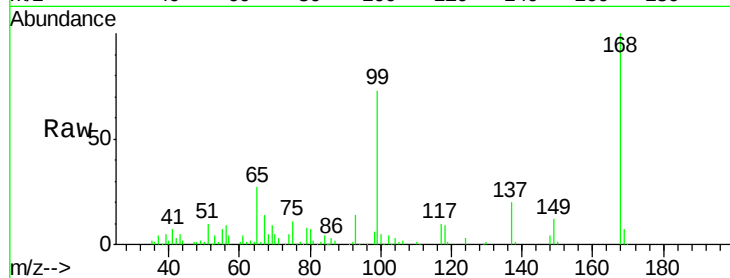
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF061106.D
Acq: 20 Dec 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
P001-SD014-0612-01

Tgt Ion: 168 Resp: 169739
Ion Ratio Lower Upper
168 100
99 73.0 54.4 81.6

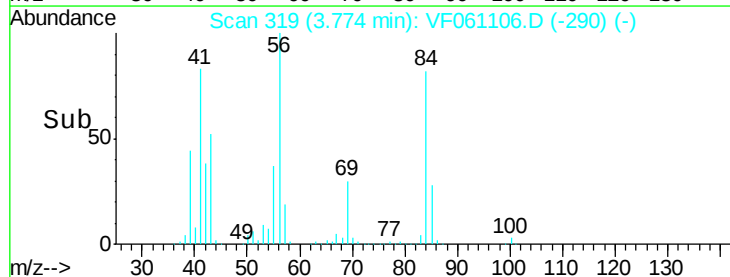
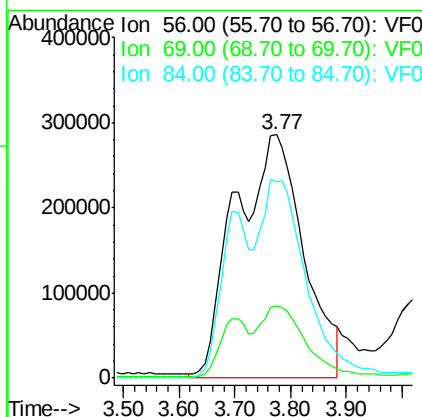
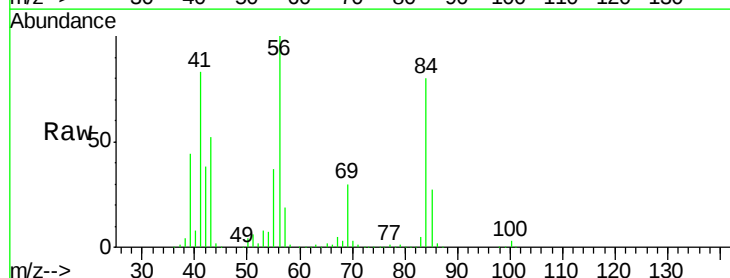
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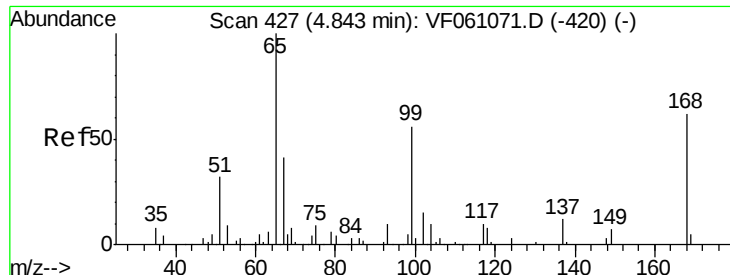
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#31
Cyclohexane
Concen: 762.415 ug/l m
RT: 3.77 min Scan# 319
Delta R.T. 0.08 min
Lab File: VF061106.D
Acq: 20 Dec 2018 14:19

Tgt Ion: 56 Resp: 2431222
Ion Ratio Lower Upper
56 100
69 29.7 26.0 39.0
84 80.4 71.4 107.2





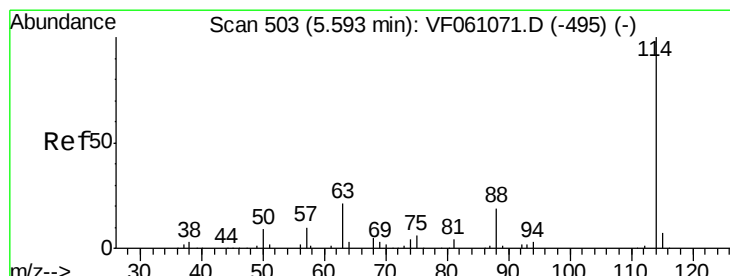
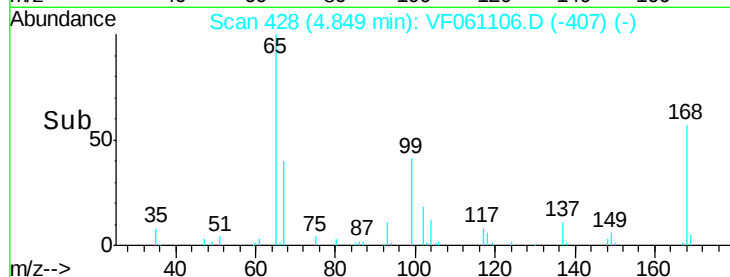
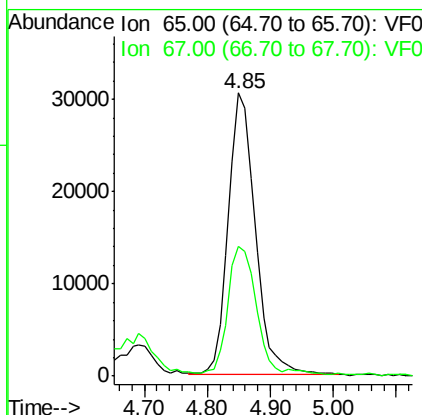
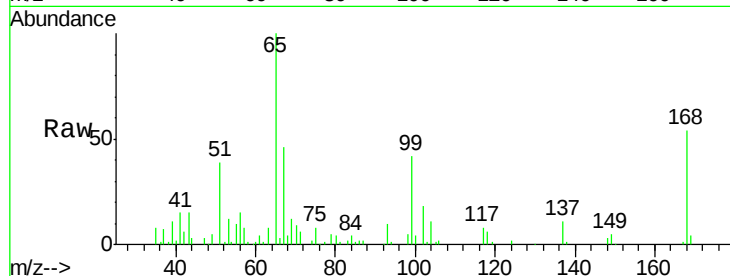
#33
 1,2-Dichloroethane-d4
 Concen: 41.109 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061106.D
 Acq: 20 Dec 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD014-0612-01

Tgt Ion: 65 Resp: 89747
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 94.6

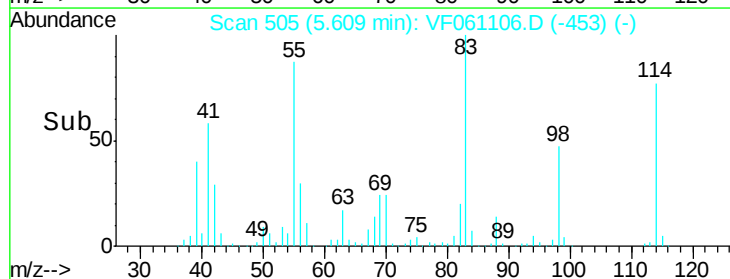
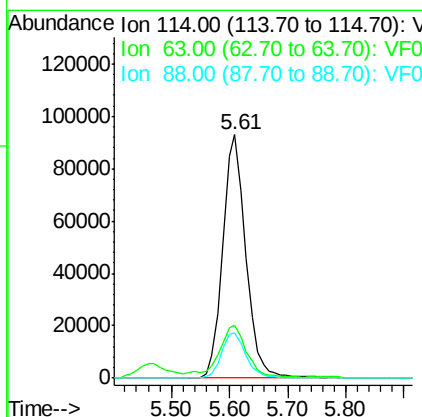
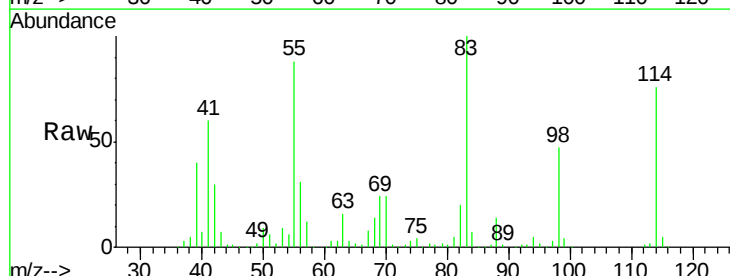
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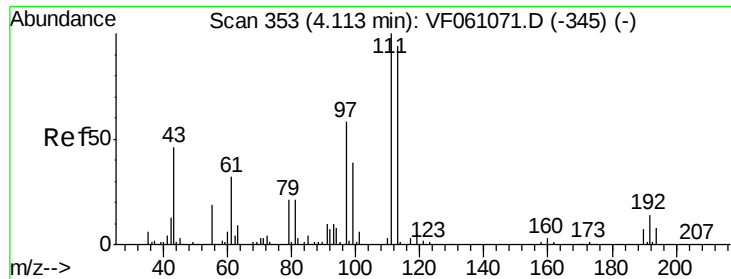
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF061106.D
 Acq: 20 Dec 2018 14:19

Tgt Ion: 114 Resp: 255934
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.6
 88 18.4 0.0 38.0





#35

Dibromofluoromethane

Concen: 46.540 ug/l

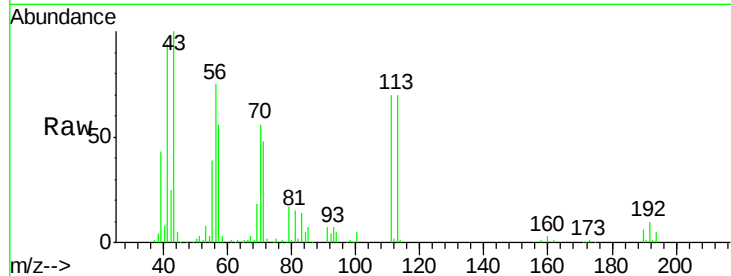
RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

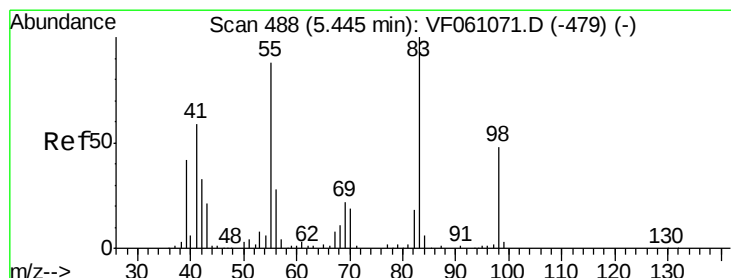
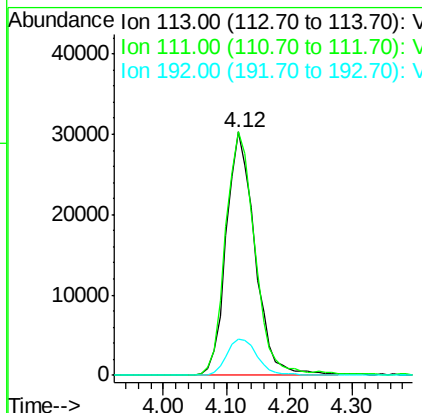
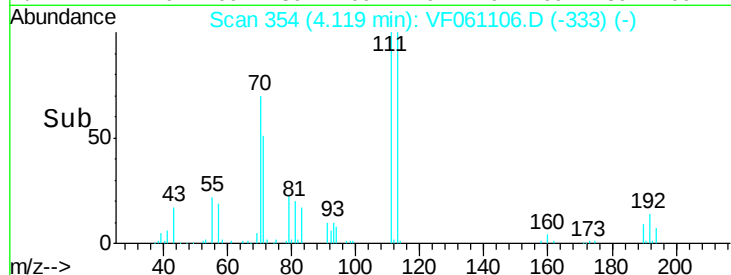
Instrument :
MSVOA_F
ClientSampleId :
P001-SD014-0612-01



Tgt Ion:	113	Resp:	95416
Ion	Ratio	Lower	Upper
113	100		
111	100.2	85.2	127.8
192	14.7	12.8	19.2

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#39

Methylcyclohexane

Concen: 1128.318 ug/l m

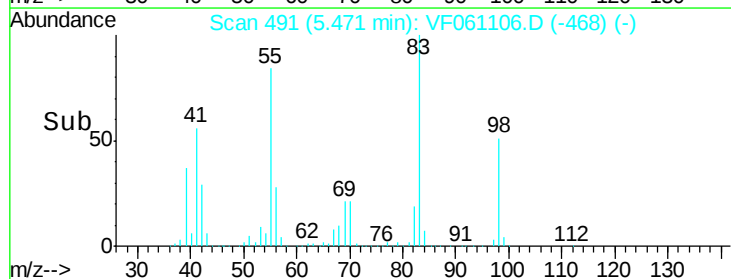
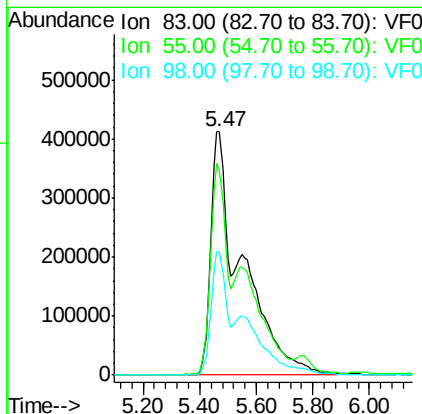
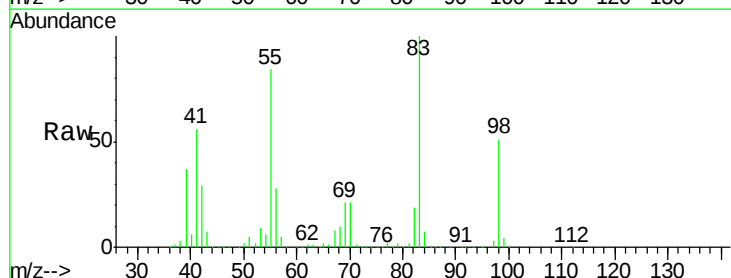
RT: 5.47 min Scan# 491

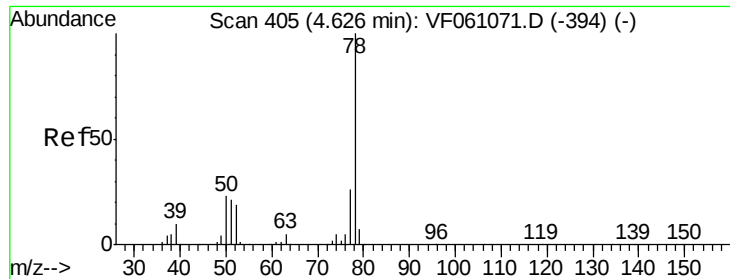
Delta R.T. 0.03 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

Tgt Ion:	83	Resp:	3127145
Ion	Ratio	Lower	Upper
83	100		
55	84.5	70.6	105.8
98	50.7	38.5	57.7





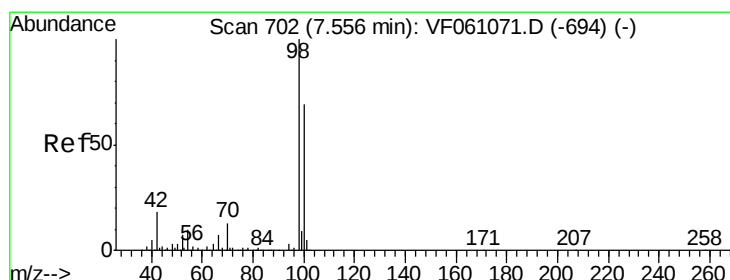
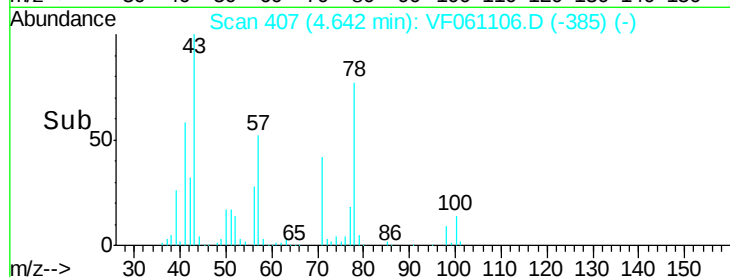
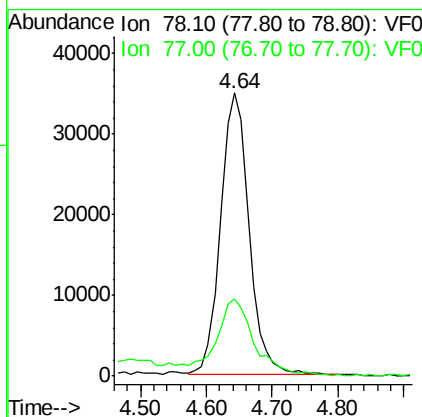
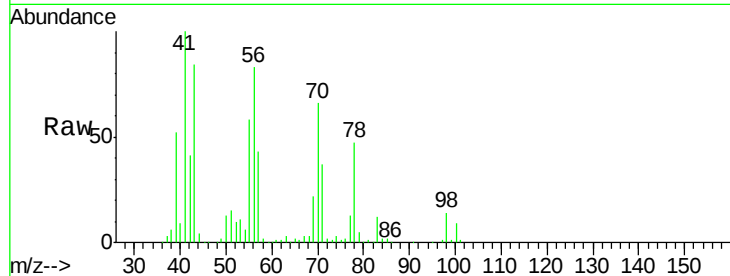
#40
Benzene
Concen: 16.012 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061106.D
Acq: 20 Dec 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
P001-SD014-0612-01

Tgt Ion: 78 Resp: 106377
Ion Ratio Lower Upper
78 100
77 27.5 20.7 31.1

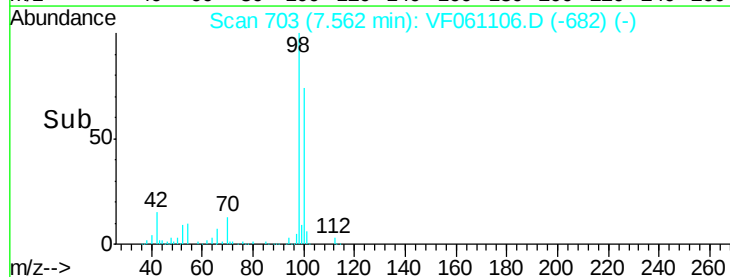
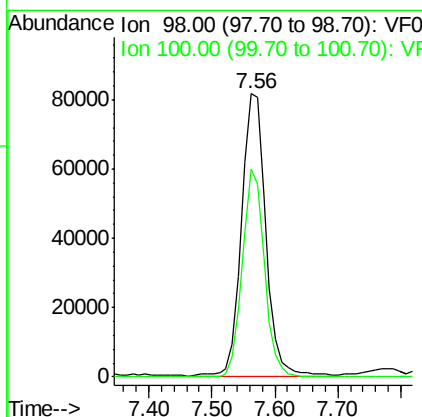
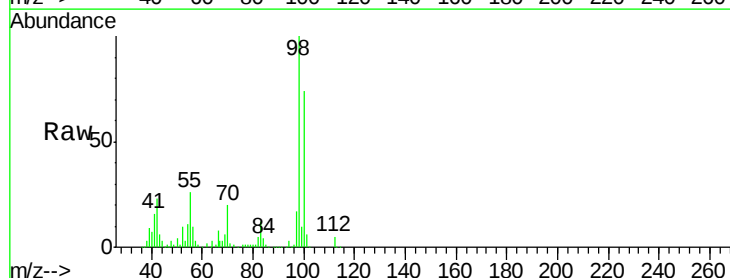
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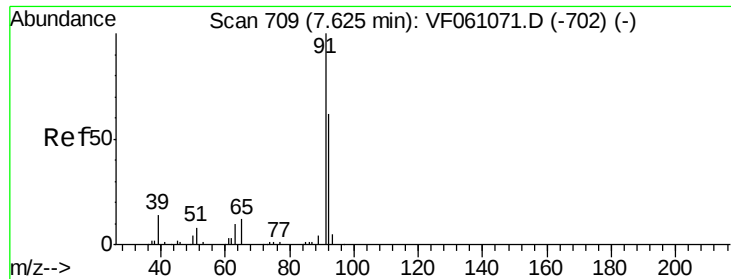
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#50
Toluene-d8
Concen: 37.241 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061106.D
Acq: 20 Dec 2018 14:19

Tgt Ion: 98 Resp: 216371
Ion Ratio Lower Upper
98 100
100 73.5 55.3 82.9





#52

Toluene

Concen: 127.373 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

P001-SD014-0612-01

Tgt Ion: 92 Resp: 560147

Ion Ratio Lower Upper

92 100

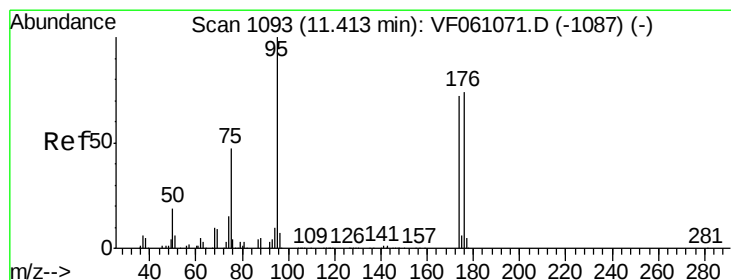
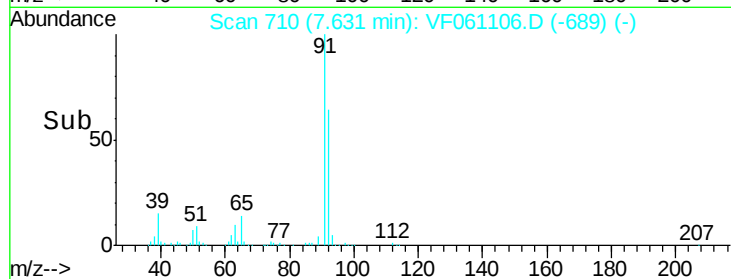
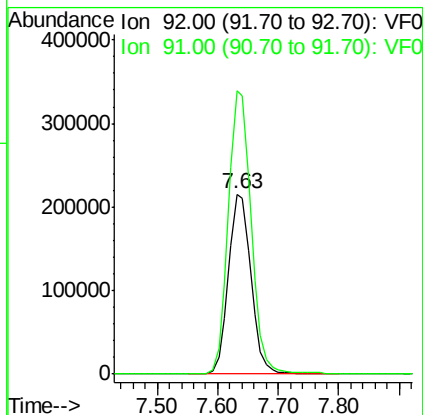
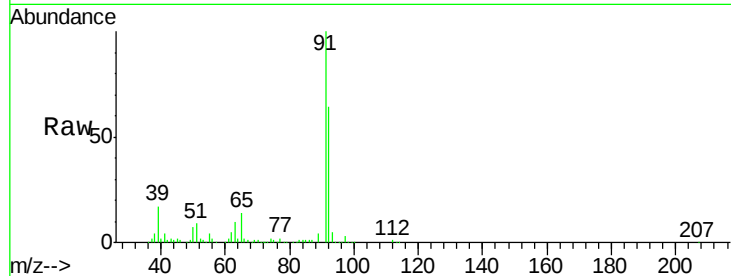
91 157.0 128.8 193.2

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#62

4-Bromofluorobenzene

Concen: 25.683 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

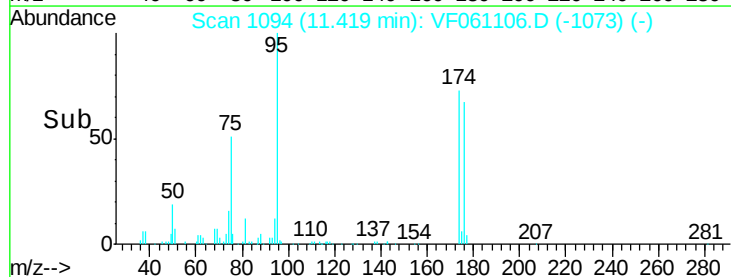
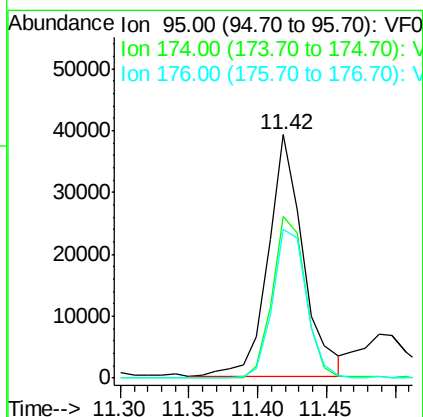
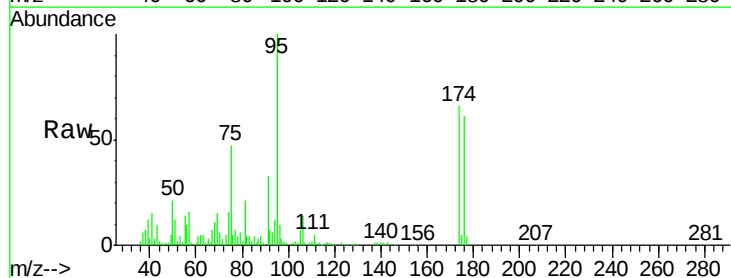
Tgt Ion: 95 Resp: 68792

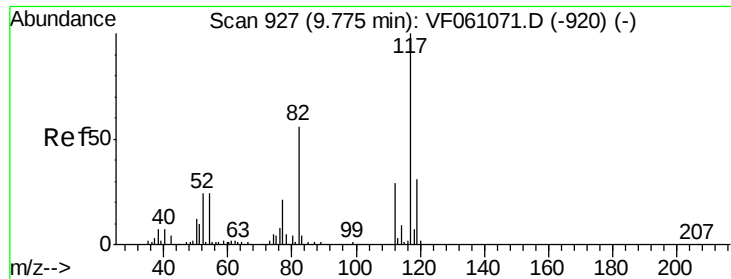
Ion Ratio Lower Upper

95 100

174 66.4 0.0 143.8

176 61.0 0.0 147.6





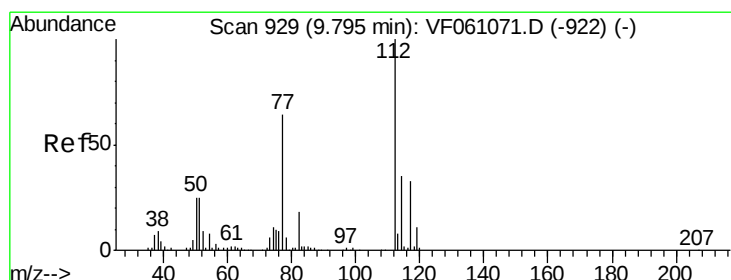
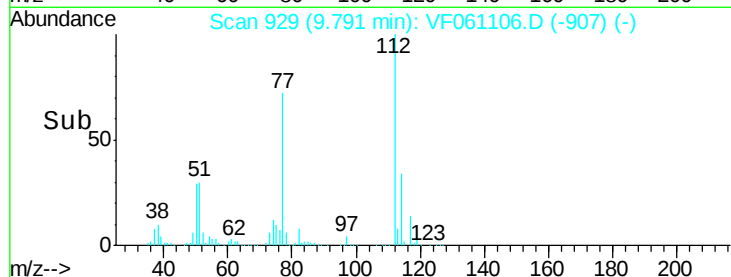
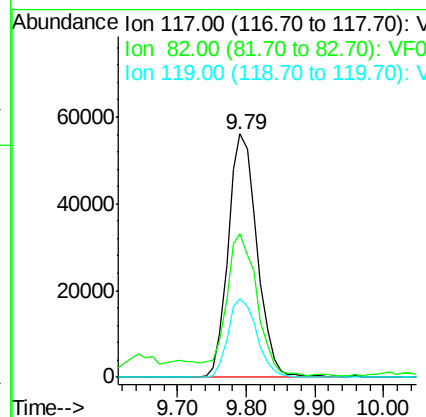
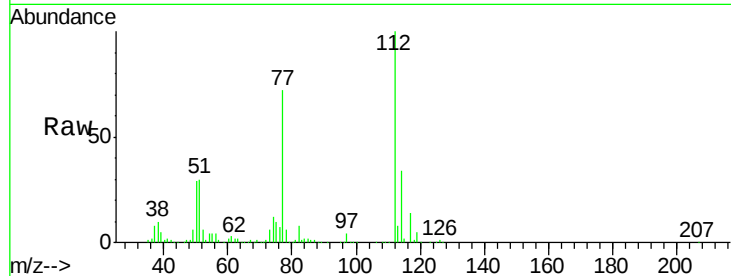
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Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061106.D
Acq: 20 Dec 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
P001-SD014-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	162638		
82	58.8	45.0	67.4	
119	32.3	24.8	37.2	

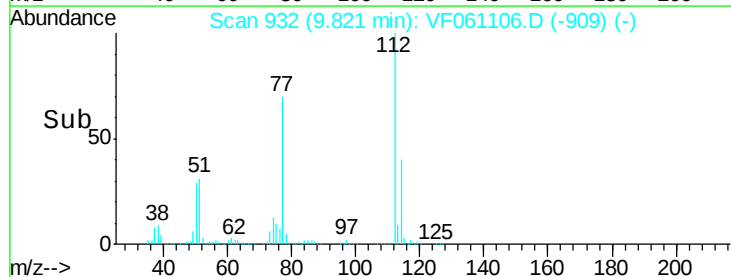
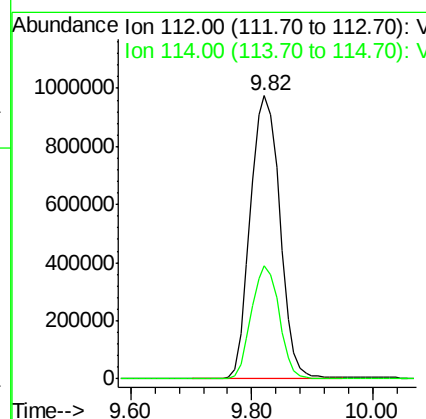
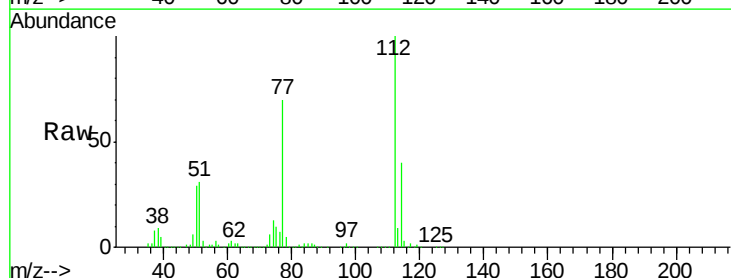
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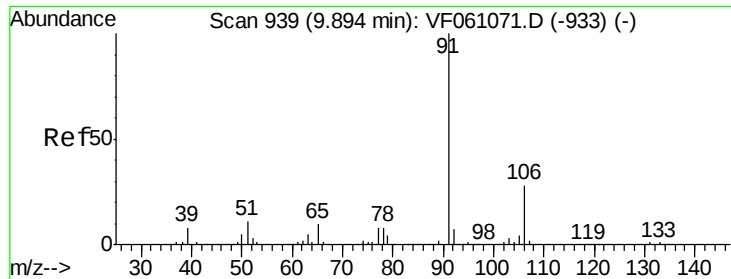
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#65
Chlorobenzene
Concen: 991.421 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.03 min
Lab File: VF061106.D
Acq: 20 Dec 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	3331053		
114	39.8	27.8	41.6	





#67

Ethyl Benzene

Concen: 1058.000 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.04 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

P001-SD014-0612-01

Tgt Ion: 91 Resp: 6476092

Ion Ratio Lower Upper

91 100

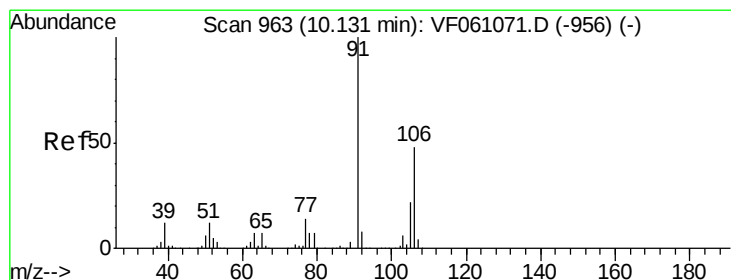
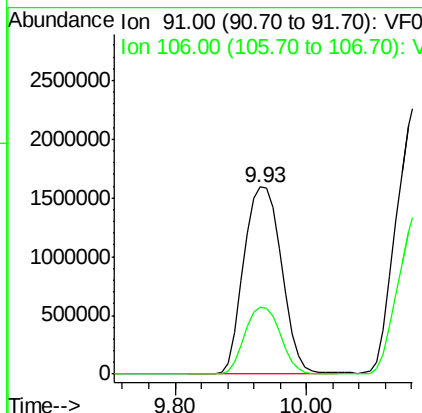
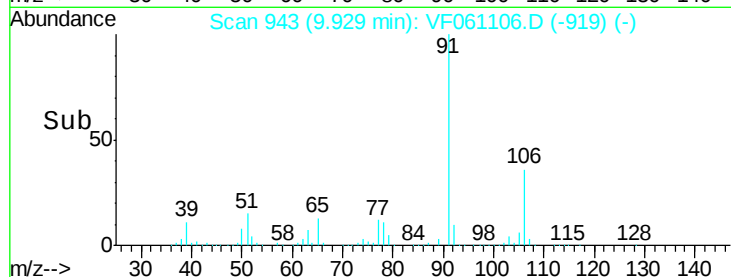
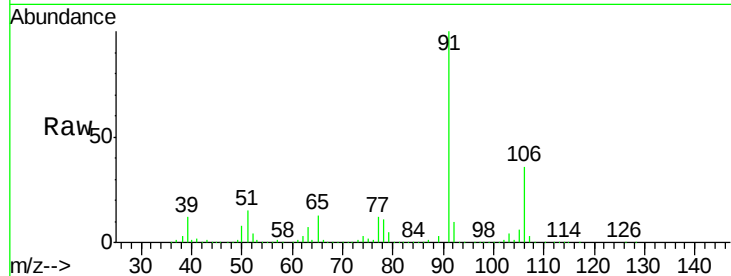
106 36.1 22.5 33.7#

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#68

m/p-Xylenes

Concen: 10680.027 ug/l m

RT: 10.29 min Scan# 980

Delta R.T. 0.16 min

Lab File: VF061106.D

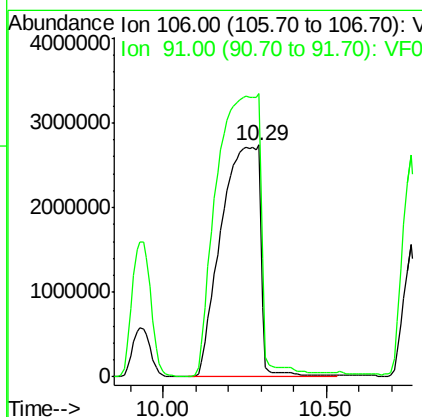
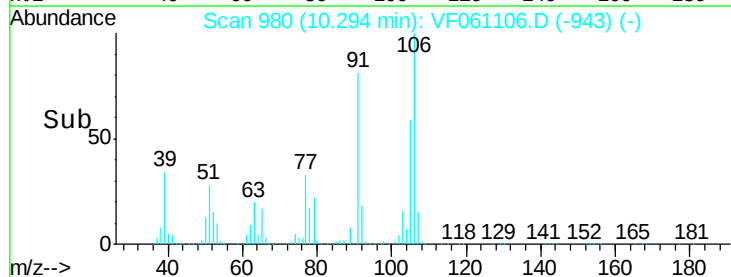
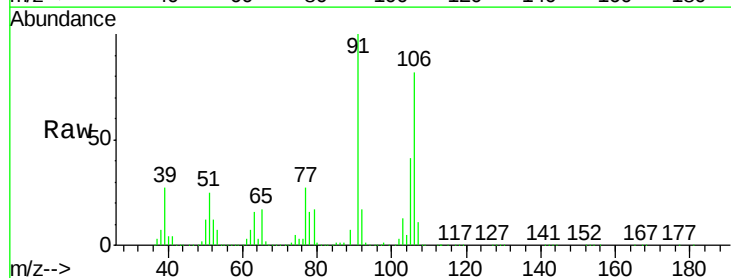
Acq: 20 Dec 2018 14:19

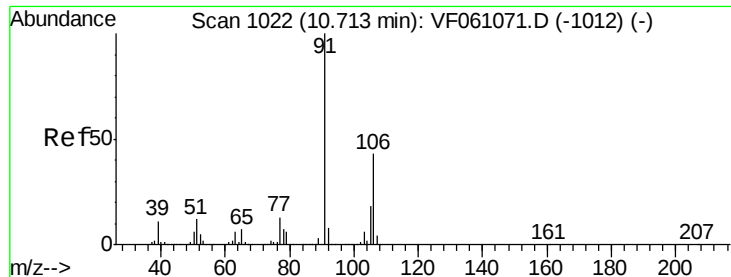
Tgt Ion: 106 Resp: 23006347

Ion Ratio Lower Upper

106 100

91 122.1 168.2 252.2#





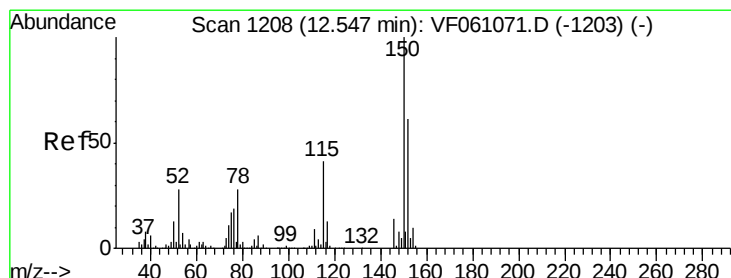
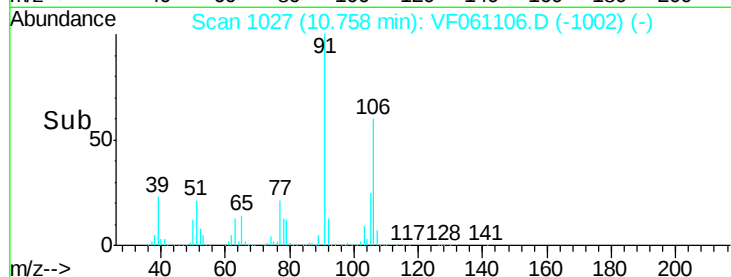
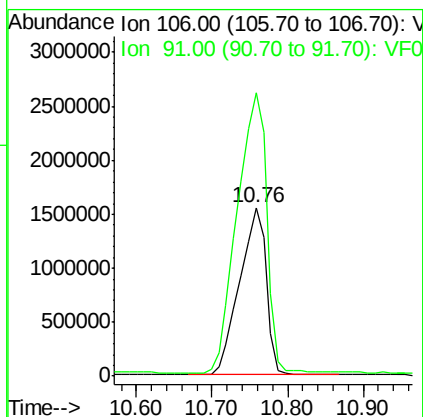
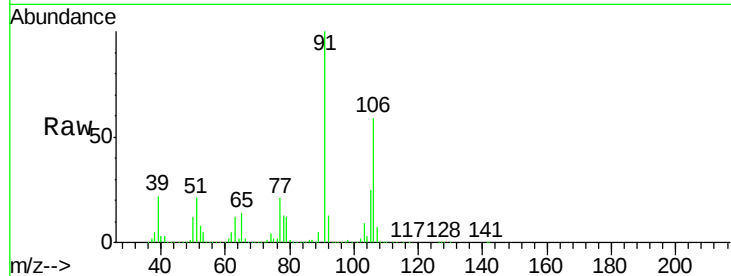
#69
o-Xylene
Concen: 1595.214 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. 0.05 min
Lab File: VF061106.D
Acq: 20 Dec 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
P001-SD014-0612-01

Tgt Ion:106 Resp: 3811132
Ion Ratio Lower Upper
106 100
91 168.1 115.9 347.7

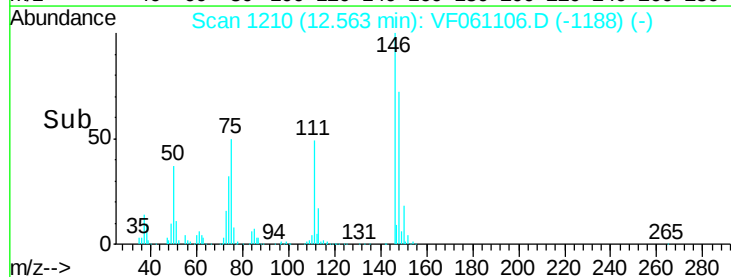
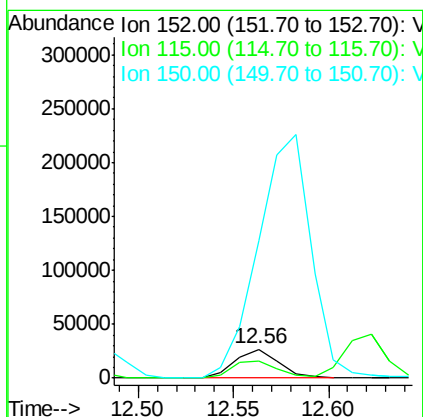
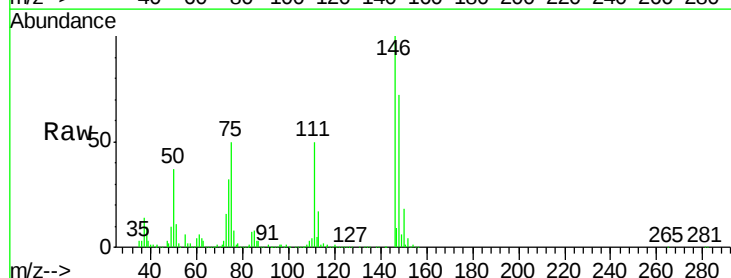
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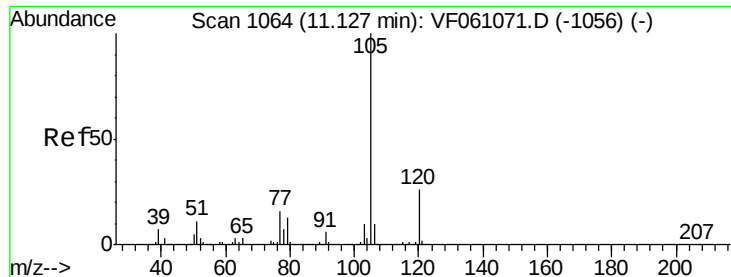
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 12.56 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061106.D
Acq: 20 Dec 2018 14:19

Tgt Ion:152 Resp: 44360
Ion Ratio Lower Upper
152 100
115 59.0 33.3 99.9
150 474.6 0.0 328.2#





#73

Isopropylbenzene

Concen: 156.020 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

P001-SD014-0612-01

Tgt Ion:105 Resp: 596422

Ion Ratio Lower Upper

105 100

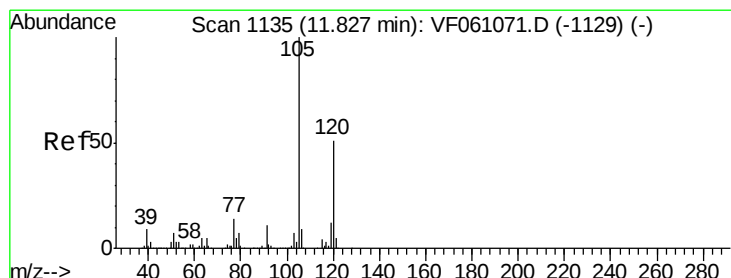
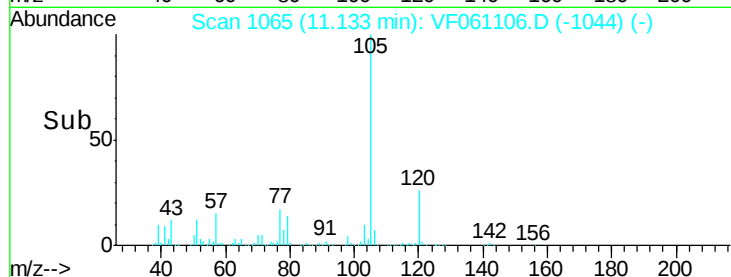
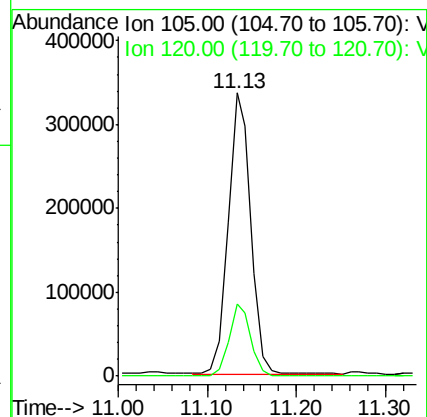
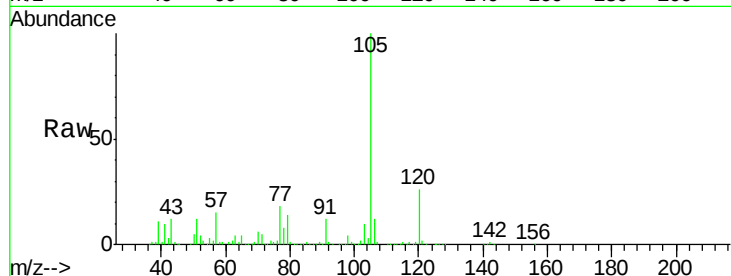
120 25.6 13.0 39.0

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#80

1,3,5-Trimethylbenzene

Concen: 447.138 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF061106.D

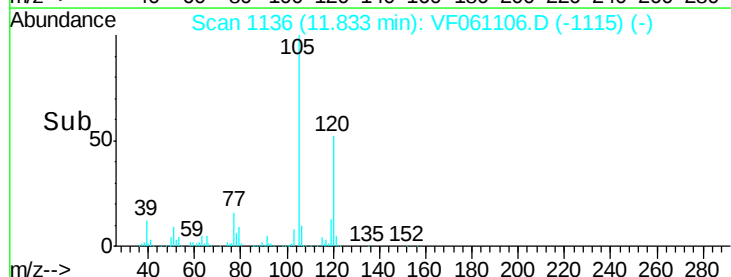
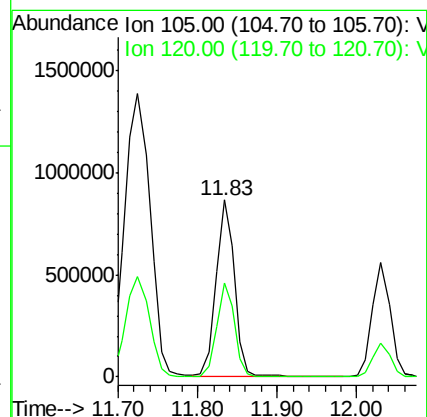
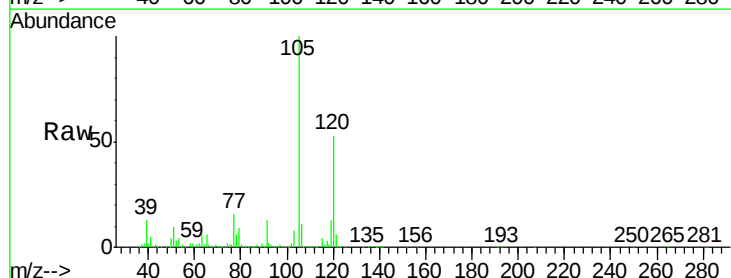
Acq: 20 Dec 2018 14:19

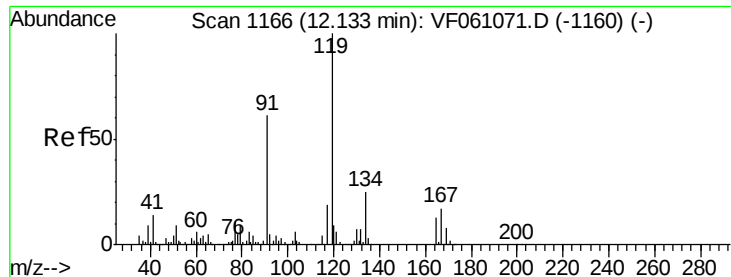
Tgt Ion:105 Resp: 1407470

Ion Ratio Lower Upper

105 100

120 53.4 25.4 76.4





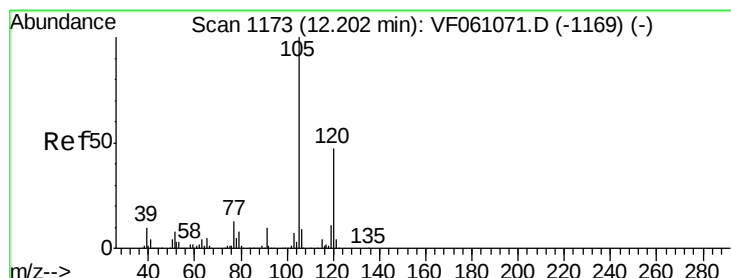
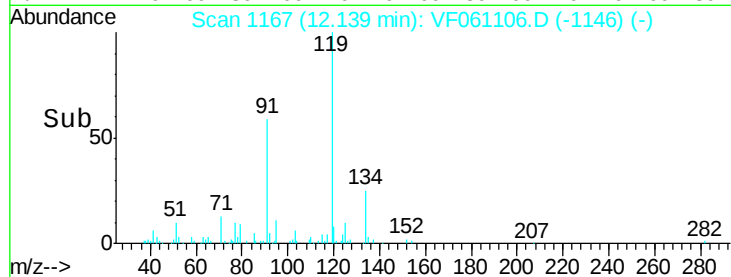
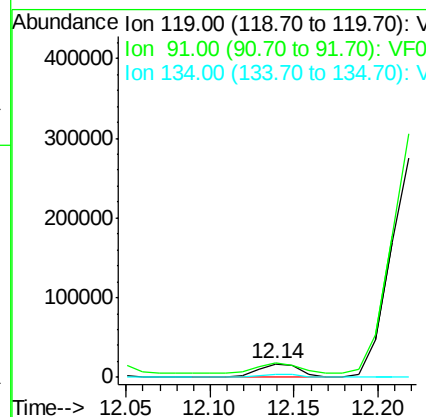
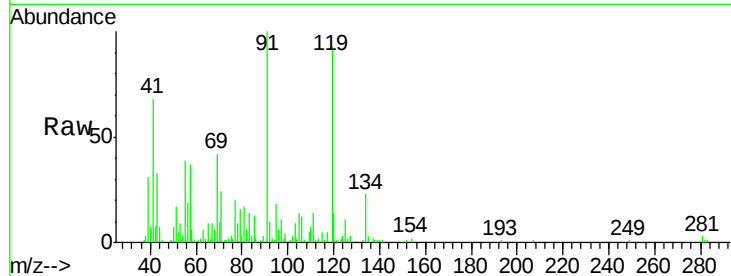
#83
 tert-Butylbenzene
 Concen: 8.891 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.01 min
 Lab File: VF061106.D
 Acq: 20 Dec 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD014-0612-01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	107.0	30.5	91.5#
134	24.7	12.4	37.4

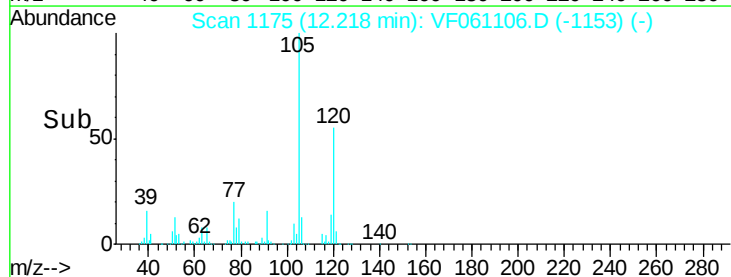
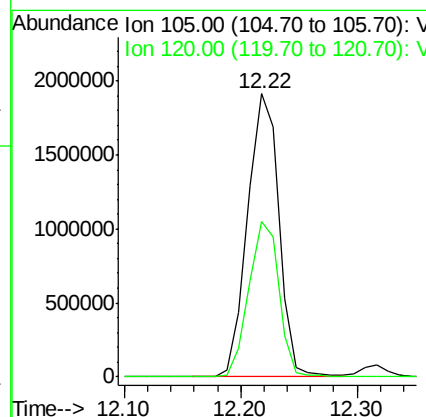
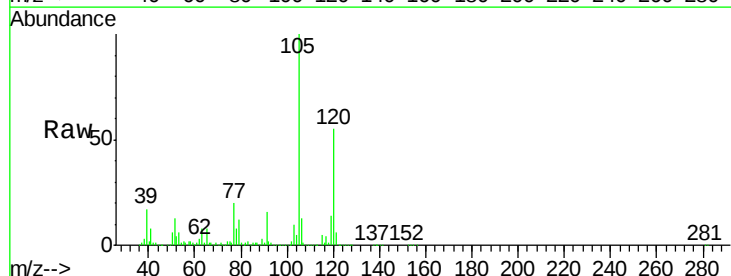
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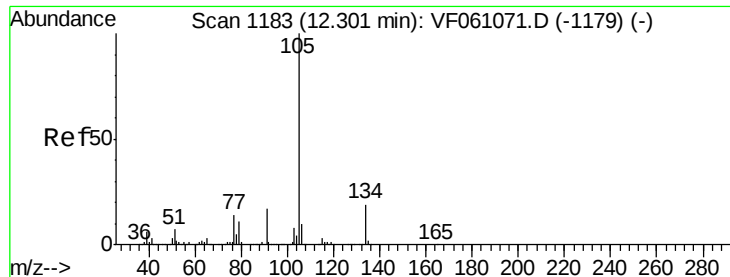
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#84
 1,2,4-Trimethylbenzene
 Concen: 1136.071 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.02 min
 Lab File: VF061106.D
 Acq: 20 Dec 2018 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	55.0	23.6	71.0





#85

sec-Butylbenzene

Concen: 30.708 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

P001-SD014-0612-01

Tgt Ion:105 Resp: 129806

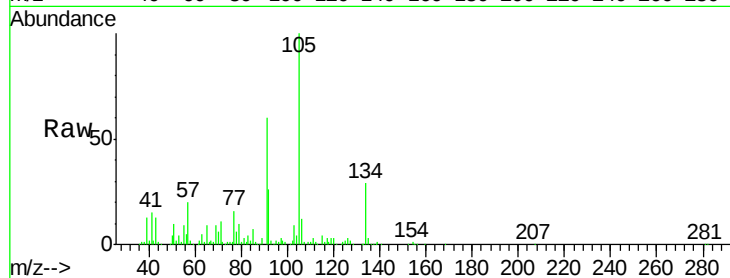
Ion Ratio Lower Upper

105 100

134 28.7 9.4 28.2#

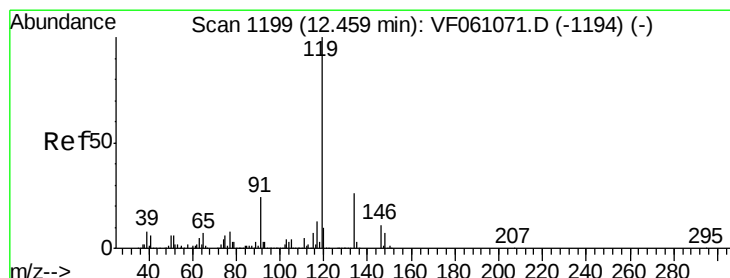
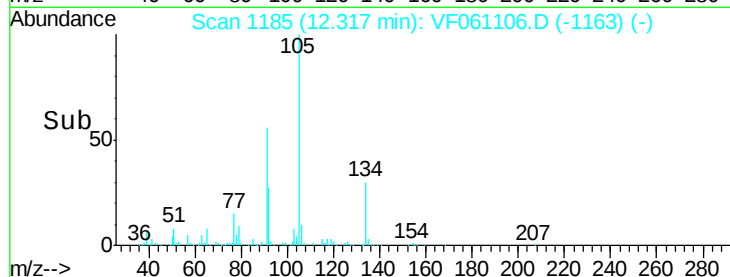
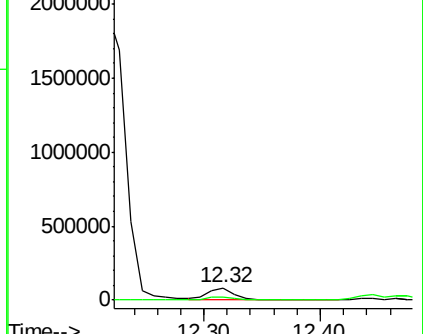
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.455 ug/l m

RT: 12.47 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

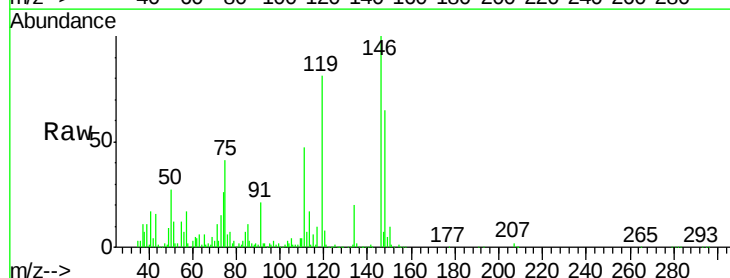
Tgt Ion:119 Resp: 184047

Ion Ratio Lower Upper

119 100

134 24.3 12.8 38.4

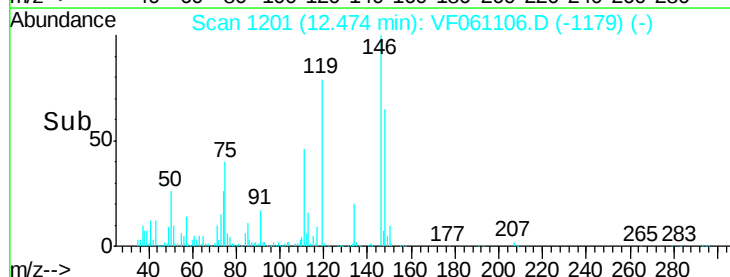
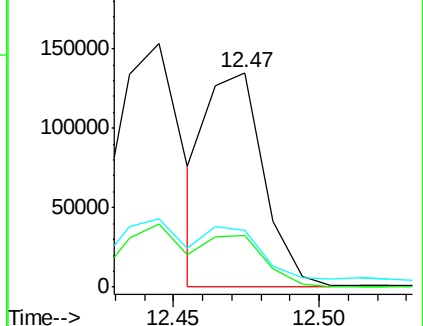
91 26.3 12.2 36.6

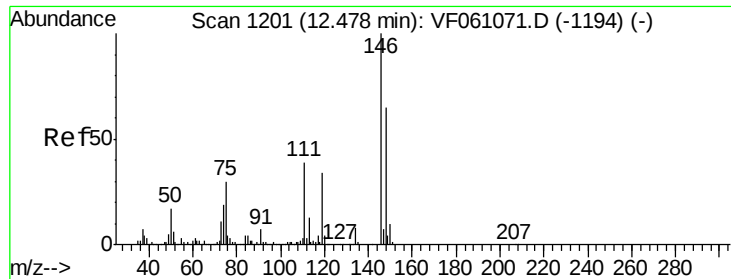


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





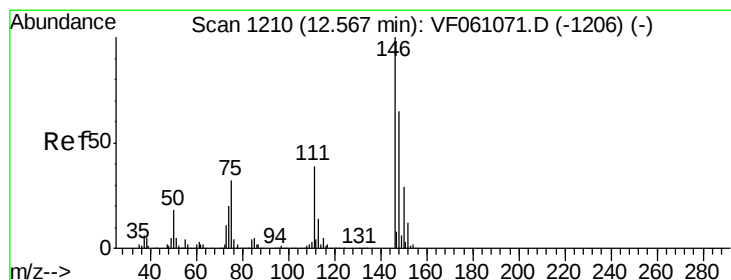
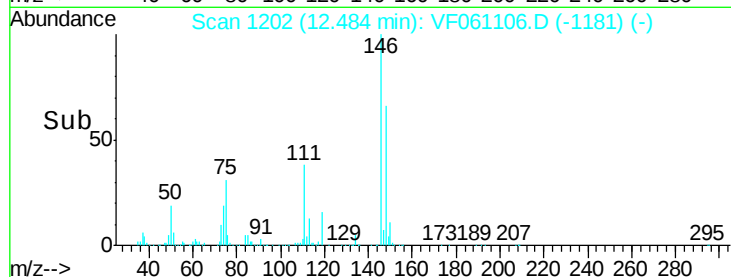
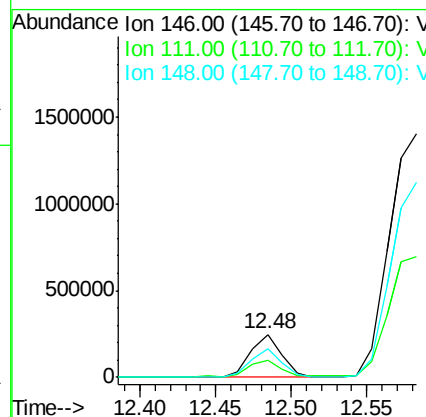
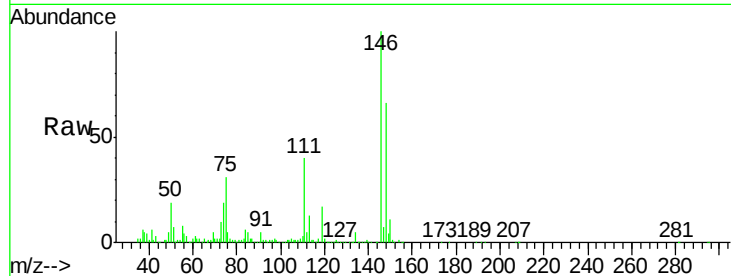
#87
 1,3-Dichlorobenzene
 Concen: 296.198 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061106.D
 Acq: 20 Dec 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD014-0612-01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.3	57.9
148	65.7	32.4	97.2

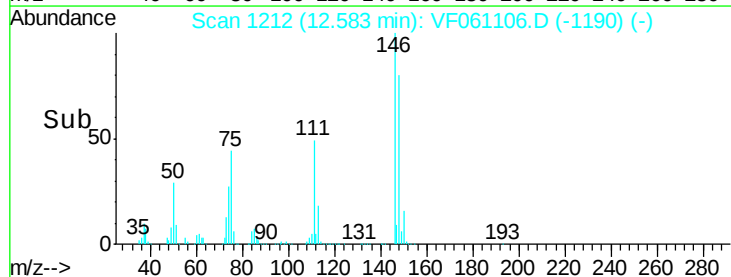
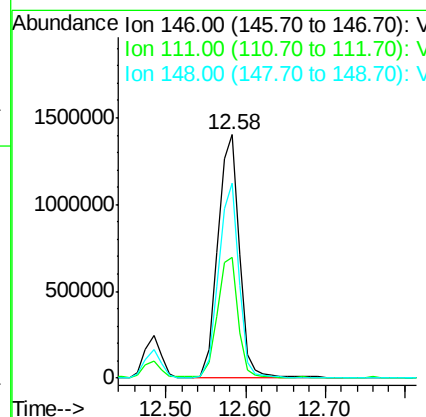
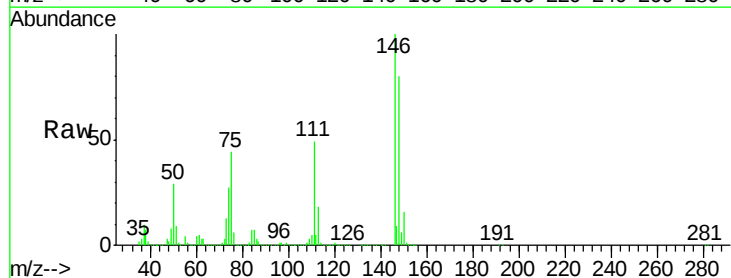
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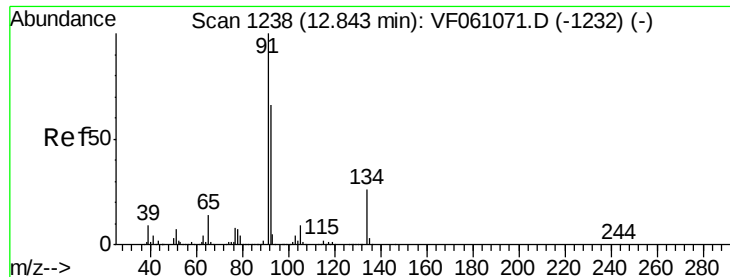
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#88
 1,4-Dichlorobenzene
 Concen: 1777.370 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. 0.02 min
 Lab File: VF061106.D
 Acq: 20 Dec 2018 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.4	19.4	58.4
148	79.9	32.4	97.0





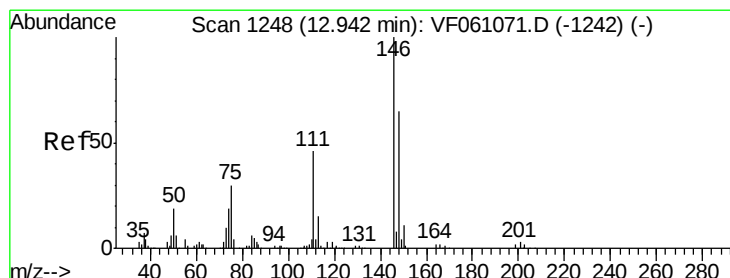
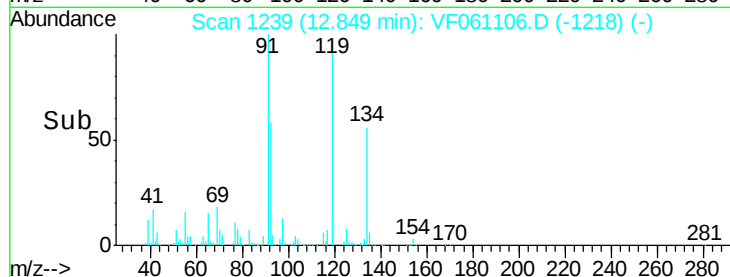
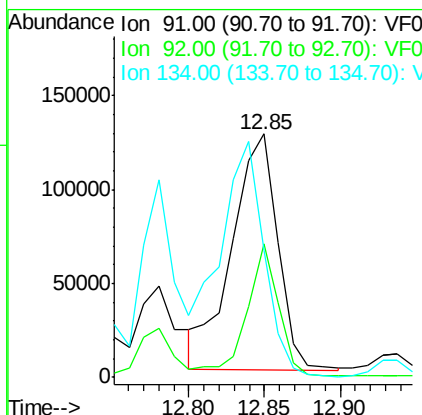
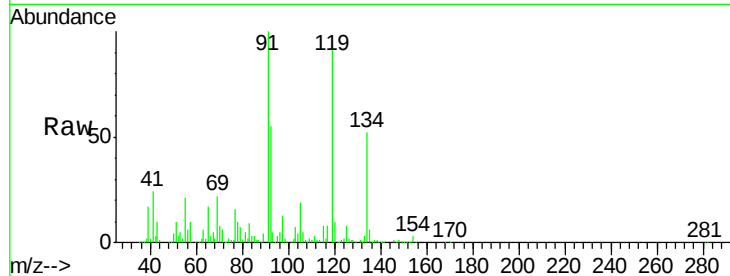
#89
 n-Butylbenzene
 Concen: 94.905 ug/l
 RT: 12.85 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VF061106.D
 Acq: 20 Dec 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD014-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	263974		
92	54.7	32.8	98.4	
134	52.4	13.2	39.5#	

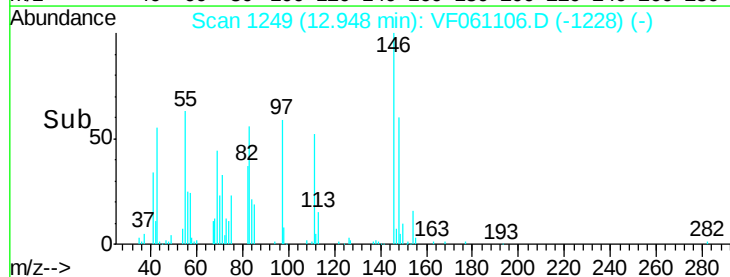
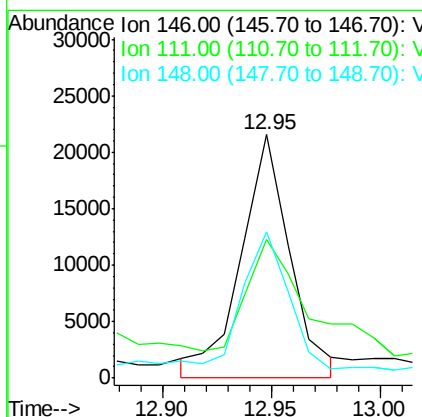
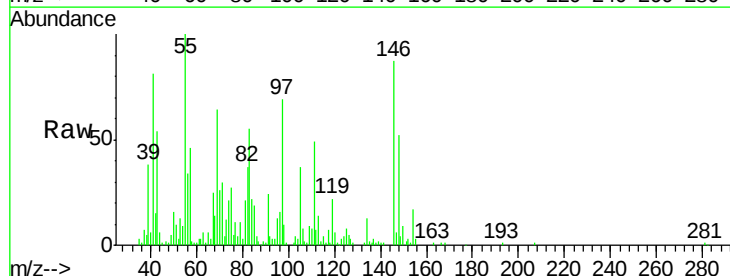
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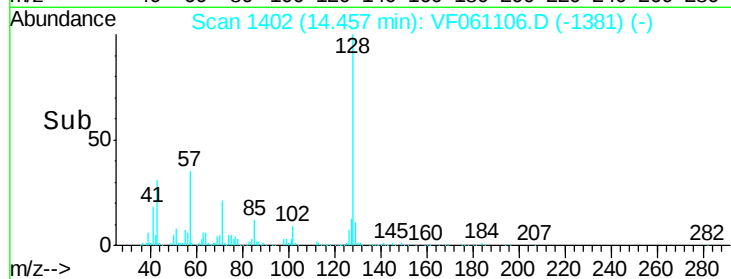
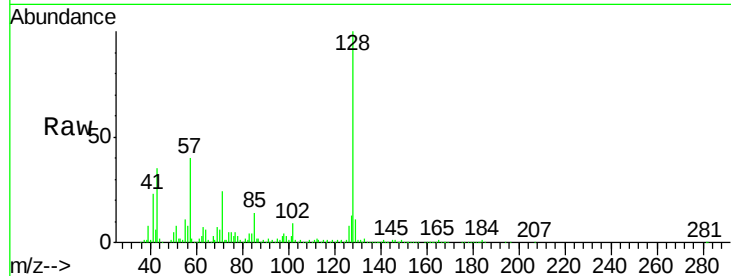
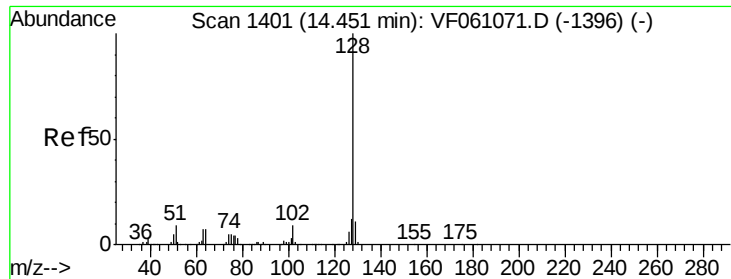
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#91
 1,2-Dichlorobenzene
 Concen: 22.948 ug/l m
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF061106.D
 Acq: 20 Dec 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	33760		
111	57.0	23.2	69.5	
148	60.1	32.4	97.0	





#95

Naphthalene

Concen: 185.673 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061106.D

Acq: 20 Dec 2018 14:19

Tgt Ion:	128	Resp:	353733
Ion Ratio		Lower	Upper
128	100		
127	13.4	9.4	14.2
129	11.4	8.8	13.2

Instrument :

MSVOA_F

ClientSampleId :

P001-SD014-0612-01

Manual Integrations
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